



From your Club President...

President's Report

By Gary Bryan KG7KU, President

Aside from the most awesome summer season (albeit hot and dry)... is the increasing prospect of storms and rain. Usually this drives us indoors. But before settling into holiday gatherings, and various public service events and contests, it is the perfect time to review your gear: Backup power options, food & water. Perhaps do a cleanup of your shack and any extra cables laying around. Get to know what you have, again. You may need it... you may need to share it in an Emergency.

The Mike & Key ARC carries forward a tradition of service at a high level. We collectively plan and direct the effort for the M&K Fleamarket, set for Saturday, March 5, 2016 at the Washington State Fair fairgrounds in Puyallup.

Now is the time to consider heading up one of the subcommittees which need your support. Be sure to contact Michael Dinkelman N7WA or Hal Goodell N7NW to find out how you can be of help.

Hundreds of Hams are counting on this event to improve their readiness for emergencies... to pick out some generally supportive gear for upcoming Public Service roles, and expand their communications options for contesting.

Your involvement during the Fleamarket planning and execution stages provides a rich reward of accomplishment for a broad spectrum of Ham Radio Operators.

See you at the upcoming October 17 General Membership Meeting!



September Meeting Guest

Celebrate our October Members

By David Smith, KB7PSN, Treasurer

As of October, 2015, these folks have been Mike & Key members for the number of years stated. Congratulations to all of you, and thanks for your participation and service. Happy Anniversary this month! Each of you makes us who we are.

Pete Hedberg	K7WTG	45 Years*
Charles Stroehler	WA7EBH	45 Years*
Jim Christiansen	K7ND	43 Years*
Prahlad Ayengar	KB7AFS	28 Years*
Diane Dinkelman	KB7DNE	23 Years
Brenda Doss	* No Call *	19 Years
Rita Danielson	KD7CNU	17 Years
David Mitchell	WA7DTM	15 Years
Greg Pietrucha	W7HRC	15 Years
William Harris	W7KXB	10 Years
Toku Okumura	AD7JA	9 Years
Ted VanTuyl	N7HKL	6 Years
Curtiss Hedges	KF7LZG	5 Years
Marshall McKinney	KF7EHA	5 Years
Aaron Täht	N7FSM	4 Years

* Life Member, having been with the club 25 years or more.

**New Member
Kerry McMurtrey
W7KLM**

Welcome!





The *K7LED Relay*, published monthly, is the official newsletter of the Mike & Key Amateur Radio Club. The Mike & Key ARC is an ARRL-affiliated club dedicated to the growth and betterment of Amateur Radio. The Club meets at 10AM on the third Saturday of each month at the Salvation Army Headquarters, 720 S. Tobin Street, |in Renton (near the southeast corner of Renton Airport). Anyone interested in Amateur Radio is invited to participate in the Mike & Key ARC and its activities. Annual dues are \$12 for individuals and \$18 for families.



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www.mikeandkey.org

Send dues to:
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Renton, WA 98057-4234

K7LED Repeaters:
146.82 output / 146.22 input
(PL 103.5)Tiger Mountain

Email:
info @ mikeandkey.org

Send newsletter submissions to:
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Reflector:
<http://groups.yahoo.com/groups/mkarc>

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Logo Committee	Jim Aigner	N7MU	jimaigner @ comcast.net	253-630-2752
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Webmaster	Jim Etwiler	KD7BAT	kd7bat @ arrl.net	425-788-7887

Mike & Key Online –The following Club resources are available:

On the Web – The Club's site at www.mikeandkey.org includes extensive information about Club activities and events, such as: VE testing, membership, past editions of the Relay and more.

Reflector – The Club's public message board offers an easy and free way to converse with Club members. To sign up, visit: <http://groups.yahoo.com/groups/mkarc> .

E-Relay – Help the Club save on printing and postage, send Email to the *Relay* Editor: n7wa @ arrl.net.

M&K Club – September Activities

By Robin Carter WA7BRI, Activities Manager

Last month’s “NVIS Antenna” presentation dealing with HF communication, focused on its importance for emergency communications by filling in the “Skip-Zone” when using primarily the 80 & 40 meter bands. But this mode of propagation is only available to hams holding a General license or above.

In order to give a broader picture of the “Amateur Radio Landscape”, I’ve arranged to bring in for October’s presentation, Dave Elliston, W7UUU who will help explain reasons to reach beyond the Technician Ticket. His talk is entitled “Why Upgrade to General? What Are All Those Other Bands About? Is It Worth The Effort?”.

Dave has given many presentations to amateur radio groups including this talk at *Sea-Pac*. Originally licensed in 1974 as WN7AWK, Dave upgraded to General in 1975 and became WB7AWK. He earned his Extra in June 1997. During the last ten years, he’s been active working modes from CW to Digital on all bands from 160 to 70cm. Currently, Dave is the Program Manager for the Radio Club of Tacoma, W7DK. So, for new hams, as well as “Seasoned Operators” who are still “techies”, this should be an encouraging, useful and entertaining event to attend (*not to mention for our Generals and Extras as well...*).

Finally, “Congratulations” to all those who “hooked” into this year’s Salmon Run. Some “scaled” high mountains while others “battled up-stream” to operate on county lines to “double-their catch” of contacts. Once you’ve “tested the waters” of this fun activity, you’ll be caught “hook, line & sinker”. Besides, there’s “nothing fishy” about this annual contesting sport, especially since we are all “hams”!

West Seattle Classes Scheduled

By Curt Black WR5J

The West Seattle Amateur Radio Club is offering a ham radio license class in South-West Seattle November 6, 7 and 8th. This class is for the Technician License, the introductory level of licensing in amateur radio.

We are using a conference room of Beckwith and Kuffel Inc., at 1313 S 96th St, Seattle, WA 98108. Class will be 5pm to 9pm Friday and 9am to 5pm Saturday and Sunday and will conclude with a testing session.

Contact the club President, Ken, AB7X at 206 933-0459 or ab7x@westseattlearc.org for more information or to signup.

M&K October Door Prizes

By Robin Carter WA7BRI, Activities Manager

This month’s 9 Raffle Items include the following:

- Emtech Model ZM-2 “Z” Match Antenna Tuning Unit
- Universal Stripping Tool for Coaxial Cable and Stranded Wire
- Three Socket-Active Plug Multiplexer 180x120x35m/m
- The Original PowerSquid 5-Arm Outlet Multiplier
- New Black “YAESU-The Radio” Ball Cap
- Mike & Key 3-Ring Binder 3.5”x 4” (*donated by Ivy*)
- Cen-Tech 7 Function Digital Multimeter
- 100 Panduit Super-Grip Cable Ties (length=12.38”)
- MFJ Model 813 QRP/SWR Wattmeter



Raffle items

ACES Training Opportunities

By Monte Simpson, AF7PQ

The ACES program was developed a few years ago to develop training programs for Amateur Radio emergency communications resources that meet the training needs of municipal, county, state, federal and private served agencies.

The ACES development team with input from emergency managers, identified a minimum set of skills that are required of all operators regardless of served agency and created a training package. The goal is to create operators who can participate in an incident and function

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as volunteer professionals, rather than be seen as amateurs.

The focus is on Amateur Radio used in an auxiliary capacity (as required by FCC rules) but includes discussion of other communications systems used by served agencies. The course has been delivered to nearly 500 participants in Washington, Oregon and California over the past few years. More information can be found at <http://www.oregonaces.org/content/faq>.

The ACES Basic course is unique in three ways:

1. It covers a broad range of emergency communications topics, beyond just ham radio
2. There is a hands-on component that includes programming radios and sending/receiving formal message traffic
3. The classroom delivery offers the opportunity to network with others and identify solutions and best practices between teams

One of the other goals has been to make this information as accessible as possible by locating venues around the area and keeping costs low. The course is available for about \$25 which includes the cost of the book and course materials. Here is the list of classes currently scheduled.

- Burlington - October 17-18
- Whidbey Island - November 14-15
- Everett - January 30-31

Registration and more information is available on the ACES web site at <http://www.oregonaces.org/>. If you would like to host a class in your area, contact Scott Honaker, N7SS at n7ss@arrl.net.

I've taken this course and found it very much worthwhile of one's time.

Membership Committee Report

(September 19 2015 Meeting)
By Rita Danielson KD7CNU

We met for lunch and a meeting at Chipolte in Renton. After a tasty lunch we opened the meeting.

We discussed the Christmas Party, Awards Banquet and October celebration of 540 continuous months of club meetings. That's 45 years.

Although our club was founded 55 years ago, regular meetings weren't held at first. We will be having a small celebration commemorating the occasion.

K7LED Relay

With Christmas falling on a Friday this year, it will be very difficult to take an extra evening for a Christmas dinner party so we will be having our third annual club party following the club meeting on December 19th. Please make plans to join us. We will have some fun games, good food and the company will be second to none.

Our Awards banquet will be held April 8th or 9th at a venue yet to be determined. We seem to have outgrown the Old Spaghetti Factory and are currently looking for a larger venue that will be reasonably priced. We want as many of you to attend as possible. At our last banquet we had 59 people. It was wonderful. I think more would attend if we held it on a Saturday night and in a larger venue. So stay tuned.

We had six in our September meeting. Gary Bryan KG7KU, Rachele Gill KG7QCN, James Wraalstad WQ7H, Dave Smith KB7PSN, Ric Danielson K7RIC, Rita Danielson KD7CNU

Our October meeting will be at the Panera Bread at The Landing following the general meeting and program. See you October 17th.

Respectfully
Rita KD7CNU
Membership Committee

Some Club Stats

By Dave Smith KB7PSN

1. The October, 2015, roster shows 203 current members. Of this 203, 50 are Family members & 153 aren't (non-family members). Also, of the 203 members, 45 get postal Relay delivered and 158 get an electronic copy.

2. There are 153 people who are subscribed to the mkarc@yahoogroups.com email distribution list/reflector.

3. There are 293 individual Facebook accounts that are members of the "Mike & Key Amateur Radio Club" Facebook group, <http://www.facebook.com/mkarc>

4. There are 50 twitter followers on @k7led
<http://www.twitter.com/k7led>

It is important to note that not everybody is in all 4 lists.

Field Day Updates

By Dave Smith KB7PSN

Field Day 2016 week was exactly 9 months away from September 20, 2015. That day, the public was able to make reservations for the Wagon Wheel Campground at Ft Flagler State Park on Marrowstone, WA. So, wearing my Club Treasurer bling, I did!

The Wagon Wheel has been reserved (and the reservation has been confirmed) for the week of June 20 to June 27, 2016. We already have the Camp Wilson facility reserved for June 23 thru June 26, 2016.

More information will be made as the months advance toward next year's Field Day.

November Program

By Mike, N7WA

Don't forget that the program for the November will be flyer stuffing and labeling. We will have 12,000 Fleamarket flyers to process and it takes many hands to do it.

Up Coming Classes

By Daniel Stevens KL7WM

There are two Technician Class scheduled: a weekend class on October 31 and November 1, 2015 in Federal Way and a two Saturday class on November 14 and 21, 2015 in Ballard. These classes will explain all the questions and have lots of show and handle items. 4 or 5 instructors will answer question through the class. The test is part of the class and will be at 3 PM on the last day.

There is also a General Class on November 14 and 21, 2015 in Ballard. This is a separate classroom from the Technician. It will cover all the General questions and has many show and feel items. too.

All these classes are FREE, but the license test cost \$15. There is a 90% plus pass rate. So far this year there are 182 new hams, 29 Generals and 29 Extras. 4 passed all three tests at one test session. Sign up to upgrade or get you friend into amateur radio. Register for a class by sending an email with the class you want to attend to Daniel Stevens at KL7WM@aol.com

Linux capable computer/chip for \$9

<http://makezine.com/2015/09/24/the-9-computer-is-shipping-today/>

The \$9 CHIP computer is shipping. According to Dave Rauchwerk, CEO of Next Thing Co., single units will go out to early backers in 5 to 9 days; additional orders will arrive in December. But if you backed the project at the Kernel Hacker Backer level on Kickstarter will receive two CHIP computers — the second by mid-October.

The CHIP is an innovative open hardware project, with open source software. The board's spec is a 1GHz R8 ARM processor with 512MB of RAM, 4GB of NAND storage, and Wi-Fi and Bluetooth built-in. With these specs, its \$9 price makes it one of the best computing platform deals we've ever seen.



*Using pipe nipples as fuses is NOT a good idea
From the ARRL Contest Update - K3HX picture*

There is a lot of empty space in this Relay. Please consider writing for your newsletter

**Mike & Key Amateur Radio Club
General Meeting 19 September 2015**

The meeting was called to order at 10:00 by the Gary.
Pledge of Allegiance.
Member and Guest Introductions

Announcements:

The Mike & Key ARC is affiliated with the ARRL, which members are encouraged to join. Everyone, including visitors, should sign the rosters. Visitors are reminded not to vote on membership matters.

Officer Reports:

President - Gary KG7KU: No report.
Secretary - Jim WQ7H: Thanks to Ivy WA7IVY for covering me at the last board meeting.
Treasurer - David KB7PSN: The books are in order.

Activity Manager - Robin Carter WA7BRI: Thanks to all who attended the picnic. The Carolyn WV7Q has donated some coax that needs to be checked. Thanks to Ivy WA7IVY for the handmade Seahawks wallets. Toku AD7JA has donated home grown tomatoes. Today's program is on NVIS.

Chairman of the Board - Monica KF7QLX: No Report.
Radio Officer - Hal N7NW: No Report.

Vice President – Rachelle Gill KF7QCN: A quorum was present.

Sam Sullivan N7RHE motioned to accept the minutes as published in the Relay. The motion was seconded by Chris Rose AE7XQ. The motion passed.

New Members:

W7KLM Kerry McMurtrey

Scott Robinson AG7T was recognized for 15 years membership
Charles Sundberg K7PHZ was recognized for 15 years membership

Editor Reports:

Relay Editor – Mike N7WA: No report.
Webmaster - Jim KD7BAT: The new Relay has been added to the web and additions to the education page.

Committee Reports:

Membership – Rita KD7CNU: Membership committee Meeting today after the club meeting.

Facilities and Publicity Peter Glaskowsky K4PNG: No Report

Public Service -Tim Kane: No Report

Technical and Special Interest - David Yarborough WA7DY: The new Technical Net will be this Wednesday at 7:30pm on the 2 meter K7LED repeater.

Exams - Scott AG7T: 7 people were tested last month. 5 Technician and 2 General class tests were passed.

Flea Market - David KB7PSN: The first Flea Market meeting will be October 13th at the Dinkelman's house.

Field Day - Ivy WA7IVY: Christopher Rose AE7XQ is the new VHF chair for next year's Field Day. Equipment trailer storage facilities have been offered by Toku AD7JA. Thank you. Ivy is looking for someone to fill a new position that would assume part of the operations of Field Day setup including tower raising, checking rotors, control cabling, and coax.

Logo Committee - Jim N7MU: See Jim for clothing with club logo. We are looking for a new source of club badges.

Education and Training - Jim Monson K7JGM: Daniel Stevens KL7WM has 30 people in the current class in Ballard. There will be an Extra class Oct 3rd, 17th, and 24th in Kent. There will be a Tech and a General class the 14th and the 21st in Ballard. Contact Daniel or see the web site for more information.

Audit Committee – Sam Sullivan N7RHE: The committee will be meeting in January 2016.

Old Business: None:

New Business: Jim KE7JIM has requested the live streaming be considered to allow members that are unable to attend to participate.

Alligator Award: Dean N7XS holds the plush pet.

Good of the order: Krispy Kream is offering a free donut if you talk like a pirate this Saturday. From Liz Budbill N7ZXH, the Leavenworth Autumn Leaf parade is this next weekend (September 26th) and the Salmon Day Issaquah is coming up October 3rd. From Chris Rose, next year is the 100th anniversary of W7DK. Chris will be manning the Radio Club of Tacoma's booth at the Puyallup Fair this Saturday and invites everyone to stop by.

The next Mike & Key Board meeting will be on the first Tuesday of the month, October 6th at 7:15 pm, at the Salvation Army in Renton.

The next Mike & Key General Membership meeting is on the third Saturday of the month, October 17th at 10:00am at The Salvation Army in Renton.

Peter Glaskowski K4PNG made a motion to close the meeting and was seconded by Liz Budbill N7ZXH. The motion passed. The meeting was adjourned at 10:41 hours.

Guests 9
Members 49
ARRL Members 37

Total: 58

Attested: James Wraalstad WQ7H, Secretary

Mike & Key Amateur Radio Club
Board Meeting 6 October 2015

Officers present:

President	Gary Bryan	KG7KU	Present
Vice President	Rachelle Gill	KF7QCN	Present
Secretary	Jim Wraalstad	WQ7H	Present
Treasurer	Dave Smith	KB7PSN	Present
Activities Manager	Robin Carter	WA7BRI	Present
Radio Officer	Hal Goodell	N7NW	Present

Trustees present:

No. 1	Jim Monson	K7JGM	Present
No. 2	Monica Cook	KF7QLX	Present
No. 3	David Yarbrough	WA7DY	Present
No. 4	Tim Kane	K7ANE	Present
No. 5	Peter Glaskowsky	K4PNG	Present

Other officers (non-voting)

Relay Ed	Mike Dinkelman	N7WA	Present
Webmaster	Jim Etwiler	KD7BAT	Present

Visitors:

Ivy Nelson-Groves	WA7IVY
Michael Hanson	KG7MX

The COB called the meeting to order at 7:15 p.m. Peter K4PNG motioned that the minutes be approved as published. Rachelle KF7QCN seconded. The motion passed.

Chairman of the Board – Monica KF7QLX: No Report.

President Gary Bryan KG7KU: No Report

Vice President Rachelle Gill KF7QCN: There were four applications for membership.

Ryan Heinig	KE4TNN
Kathryn Antonetti	KG7RTR
Vincent Lascaux	AF7TJ
Jill Sawson	KG7VRs

There was a motion to approve the applicants from Peter K4PNG and was seconded by Jim K7JGM. The motion passed.

Secretary James WQ7H: No report.

David KB7PSN Treasurer: The books are in order. We now have a reservation at Wagon Wheel at Fort Flagler for Field Day.

Activity Manager Robin WA7BRI: Robin has requested to be on the board email reflector. Carolyn Pasquier WV7Q submitted a very nice equipment donation to the club. There was a discussion regarding the year end prize, a KX3, and what options might be ordered with the radio.

Radio Officer Hal N7NW: A replacement antenna for the repeater is being researched. The K7LED license is up for renewal.

Relay Editor Mike Dinkelman N7WA: Articles due by the end of the week.

Webmaster Jim Etwiler KD7BAT: No report.

Education & Training Jim Monson K7JGM: Opportunities are posted on the web site.

Membership – Rachelle Gill KF7QCN: The committee is putting together a brochure for the flea market. A request to increase the budget for the awards banquet for a new venue.

Technical – David Yarbrough WA7DY: Two weeks ago was the first tech net. It is being conducted on Wednesdays at 7:30pm. There was a discussion of the Laurel VEC regarding rapid turnaround on licensing.

Public Service –Tim K7ANE: Robert needs help with the Big Foot Event.

Facilities – Peter K4PNG: Daniel Stevens has agreed to be the chairman of the Facilities Committee.

Field Day Ivy WA7IVY: Mike Dinkelman N7WA has agreed to be the CW chair. Hopefully the final scores will be published next month for Field Day 2015.

Flea Market Mike N7WA: The first meeting is one week from tonight, October 13th.

Old Business: Tim Kane reports that the trailers are awaiting to be moved to a permanent location.

David WA7DY has recommended the adoption of the revised Policies and Procedures document. The revised document was accepted by unanimous consent.

Gary Bryan reported that the Lake Chelan ARC is in the planning stages of rebuilding their repeater site which was destroyed in the wild fire this past summer. They would welcome contributions for that effort.

New Business: David KB7PSN would like to request the Logo Committee obtain samples from new sources of badges.

Good of the order: Robin WA7BRI reported that the Salmon Run was fun.

Next Board meeting will be on November 3rd, 2015 at 7:15 pm at the Salvation Army Building in Renton.

There being no further business, the COB adjourned the meeting at 8:22 pm.

Attested: Jim Wraalstad WQ7H, Secretary

Pacific Northwest Hamfairs & Events

Source: PNW Hamfair webpage at <http://www.n7cfo.com/hamradio/hf/hf.htm>. (Used with Permission)

Link: [The Pacific Northwest Hamfair and Events Calendar](#)

Also: [Western Washington Amateur Radio Licensing Classes, Training Classes and Examination Sessions](#)

October 24 **Swap-Tober-Fest** Mid-Valley ARES. Polk County Fairgrounds, Rickreall, OR. www.swaptoberfest.net

November 1 **Maple Ridge Swapmeet**. Pitt Meadows, BC. <http://www.mrarc.net/>

November 15 **CVARS Antique Radio Swapmeet** Burnaby, BC http://rac.eton.ca/events/detail.php?event_ID=1771

February 20, 2016 **Salem Hamfair & Computer/Electronics Swapmeet**. Rickreall, OR at the Polk County Fairgrounds. <http://www.w7sra.com>

March 5, 2016 **Mike & Key Swap Meet** Puyallup fairgrounds exhibition hall, Puyallup, WA. <http://www.mikeandkey.org/flea.htm>

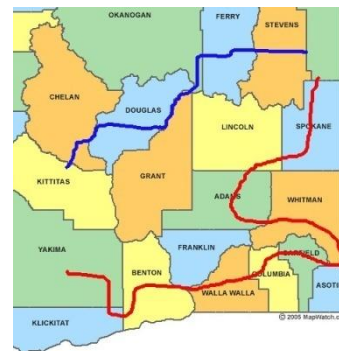
Salmon Run 2015

by Mike, N7WA

Another exciting Salmon Run under the belt. Well, maybe not so exciting this year... but I am getting ahead of myself.

This year, my driver of the past three years (Jim, K7ND) took a break. I can't blame him. He's driven most of 3,000 miles over the past three years and I really appreciated it. This presented me with an opportunity/dilemma. I had another person willing to be a driver but I also wanted to take my K3 on the trip. (Trust me, the K3 is a much better radio than the Icom IC-706 I have used in the past.) The K3, while small, is NOT a mobile radio and I couldn't really figure out a way to have two people and the K3 without severe discomfort being involved. In the end, the K3 won and it rode in the front passenger seat (which folds down into a table-like affair) on my *Rita* board.

*Eastern Washington
Twenty Counties
Over Two Days*



Many stops were on county lines but some counties just don't have a conveniently DRY border. At each stop, I had a windup kitchen timer I would set and when it rang, it was time to go. I think I hit each county within 5 minutes of the plan except for Franklin on the first day. I sorta forgot about the need to occasionally eat, drink, and get gas. Fortunately, I had put enough spare time in the schedule to make it up as the day went on.



*Testing locations...
The big Rita board goes
on the seat under the
K3 and there's a whole
bunch of other stuff
as well*

The Salmon Run starts at 9AM on a Saturday. I left home at 5:30AM so I could be in Yakima County, just shy of the very northeast corner Klickitat County, for the contest start. Talk about being in the middle of nowhere. Looking on Google Earth, I had been a bit worried, but it wasn't quite that bad and the roads were very good. At 9:30 I moved on to the Klickitat/Benton County line which was just a few minutes away. I parked right on the corner of a vineyard.

I had a second desire to put all the counties of eastern Washington on the air. This was mostly due to the competition (K7TQ) which had already announced they were doing so. I could have rationalized that the K7TQ team was two people (K7TQ and WA0WWW) and I was going solo but who ever said sanity was part of radio contesting. Towards this goal, I created a pretty tight schedule giving me 30 minutes at each stop.

Wine Anyone?



When DX started coming in, I thought, this was going to be a fine contest. My next stop was the afore-mentioned Franklin. I gave myself an hour to get from the Klickitat/Benton line to Franklin and I kinda pushed the speed limit to make even that (I was getting hungry and thirsty.) You can go pretty fast on the back roads of nowhere.

Franklin, Walla Walla, the Columbia/Garfield line, and Asotin all came in order. By 4:30PM I was finished in Clarkston, my most easterly point, and it was time to head north to the Whitman/Adams county line. Finishing at the Whitman/Adams line, it was evident that the day was coming to a close.

Setting sun on the Whitman/Adams County Line



The sun was near the horizon and everyone was on 40M. I had been on the road 12 hours by now and I still had to get all the way to Pend Oreille county north of Spokane.

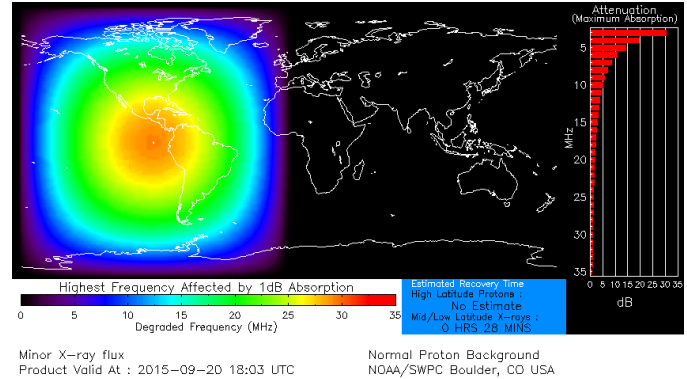
The next stop was the I-5 rest stop near Sprague to put on Lincoln county. It was now fully dark and I headed towards my motel in northern Spokane. However, that was just to check in. Following that, I moved on to the Pend Oreille/Spokane county line for my last stop of the day. If I had only known what was going on in the ionosphere above while I headed back to the motel for a few hours sleep.

I woke up early to head for the Pend Oreille/Stevens county line. I arrived an hour early and just enjoyed the peace and quiet.



Can you guess where the Pend Oreille/Stevens county line is?

The bands were pretty quiet too. Come 9AM, the bands stayed quiet. At first, I figured it was just early in the day but as I headed west, it was pretty apparent that conditions had crapped out and it really didn't get any better throughout the day.



The effects of the September 20 Solar event

I worked myself westward through Okanagon/Ferry, Douglas/Grant, and finally to Blewett Pass (Chelan/Kittitas) for the last half hour of the contest.



My favorite county line where I can't actually work anybody. Stevens/Ferry line in the middle of the Columbia river

At Blewett, I met up with two other radio teams when the contest finished. My friend Randy K7TQ and his partner Jay WA0WWW were down by the main road and we chatted for a few minutes comparing rigs and strategy.

Then, I headed up a dirt road to see the K7ANE team which had mounted an expedition to the Chelan/Kittitas line. There I met Mike & Key members Tim/K7ANE, Robert/KD7WNV, Robin/WA7BRI, and Dave/WA7DY tearing down to go home.



A fine K7ANE team with not one... but TWO RV's (someone needs to show these boys how to do CW)

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After shooting the breeze even more, it was time to go home as I was getting pretty loopy. I figure I had been on the road 30 of the past 36 hours while only getting to operate about 8.

It was worth taking the K3, it did a better job than the IC-706, but going alone is pretty tough. I think the end solution would be a maybe a KX3 which would fit nicely as a mobile and probably have similar or better performance. In the end, I made about 500 contacts though many of those were the same people working me from each new county. One Ham, N6MU, I worked over

K7LED Relay

30 times using different combinations of counties, bands, and modes.

I was able to use SSB more successfully with the K3 than with the IC-706 but I only used SSB while driving - more as a method to reduce boredom. However, I was only able to make one SSB contact on Sunday after conditions went south.

Each Salmon Run has been a unique experience. That's good, I wouldn't want to get in a rut. I have some ideas on how to improve performance which I hope to try out in the 7th District QSO Party in May.



Lewis and Clark were the original Salmon Run Team



If I could just plug in



The K7TQ mobile



ANNOUNCING THE 35th ANNUAL MIKE AND KEY ARC ELECTRONICS SHOW & FLEAMARKET

MARCH 5, 2016 @ 9AM
PAVILION EXHIBITION HALL

WASHINGTON STATE FAIRGROUNDS
 110 9th Avenue SW, Puyallup, WA 98371
ADMISSION - \$8 (UNDER 16, FREE w/ADULT)
TWO FLOORS WITH 44,000 Sq FEET OF EXHIBITION AREA (>300 tables)
TALKIN 146.82/22 (PL 103.5)
RADIO GEAR * COMPUTERS * CLUB & INFO TABLES * PARTS
SNACK BAR * FREE PARKING * CONSIGNMENT AREA
OVERNIGHT SC/RV Camping Available * LICENSE EXAMS

Table Reservation Information: (253) 631-3756, ddmdink@gmail.com or n7wa@arrl.net
 VE Exam Information: (425) 788 0452, ag7t@arrl.net

✂ ————— cut ————— Return-Bottom-Portion ————— cut ————— cut

CONTACT NAME: _____ CALL: _____ BUSINESS NAME (IF ANY): _____
 ADDRESS: _____
 CITY: _____ STATE: _____ ZIP: _____
 TELEPHONE: () _____ E-MAIL: _____

REGISTRATION TIPS

REGISTER EARLY AS TABLES ARE ASSIGNED ON A FIRST COME, FIRST SERVE BASIS AS DETERMINED BY POSTMARK. SPECIFIC LOCATION REQUESTS ARE HONORED ONLY IF THE SPACE IS AVAILABLE. BE FLEXIBLE AND GET GROUP REQUESTS IN EARLY.

EXAMPLE ORDERS: 1 TABLE & 1 SELLER = \$32
 1 TABLE & 1 SELLER & 1 HELPER = \$41
 1 TABLE & 1 SELLER & 2 HELPERS = \$60
 2 TABLES & 2 SELLER = \$84
 1 BOOTH & 2 SELLERS \$128

Please note any location/group requests, special requirements, or additional information below:

QTY	DESCRIPTION	\$
	COMMERCIAL BOOTHS @ \$112 EACH SELLER/HELPER ADMISSIONS (NOT INCLUDED) (200 SQ FEET, 4 8"X30" TABLES, INCLUDED)	
	SELLER TABLES 8"X30" @ \$25 EACH SELLER/HELPER ADMISSIONS (NOT INCLUDED) (INCLUDES ACCESS TO ELECTRICITY)	
	SELLER ADMISSIONS @ \$7 EACH (LIMIT OF ONE (1) PER TABLE PURCHASED)	
	TABLE HELPER ADMISSIONS @ \$9 EACH (LIMIT OF TWO (2) PER TABLE PURCHASED) (LIMIT ONE (1) PER INFO TABLE)	
	BUYER DAY OF EVENT ADMISSIONS @ \$8 (HONORED @ 8AM, March 5th- SENT BY RETURN MAIL- NO ORDERS AFTER 02/20/18)	
	TOTAL ENCLOSED =	

(WALK-IN ONLY) Prefer to pickup Registration packet at
 Gold Gate NE corner of the Fairgrounds? Check Here ()
SELLER SETUP TIMES
 MARCH 4 (FRIDAY) - 2PM TO 7:30PM
 MARCH 5 (SATURDAY) - 5:30AM TO 8:30AM

MAKE CHECKS PAYABLE TO: MIKE & KEY ARC MAIL FORM AND PAYMENT TO DIANE DINKELMAN 22222 148TH AVE SE, KENT, WA 98042
 ALL RESERVATIONS CONFIRMED BY RETURN MAIL (NO RESERVATIONS TAKEN OR CONFIRMED BY E-MAIL)
 INFORMATION TABLE REGISTRATION PACKETS: WILL BE AT THE WALK-IN GOLD GATE UNLESS OTHERWISE REQUESTED. CHECK DRIVE-IN: ()

Calendar OCTOBER / NOVEMBER 2015						
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
11(October)	12	13	14	15	16	17 10:00-M&K Club Mtg 12:30- M&K Ham Radio Exams Contact: Scott— ag7t@arri.net [Salvation Army- Renton]
18	19	20	21	22	23 CQWW SSB Test	24 Autumn Leaf Festival Parade Leavenworth Contact: Gene - N7QLT CQWW SSB Test
25 CQWW SSB Test	26	27	28	29	30	31 Happy Halloween
1(November)	2	3 19:00-M&K BoardMtg [Salvation Army- Renton]	4	5	6	7 Veterans Day Parade Auburn Contact: Gene - N7QLT ARRL CW Sweeps
8 ARRL CW Sweeps	9	10	11	12	13 Relay Articles due	14
15	16	17	18	19	20	21 10:00-M&K Club Mtg 12:30- M&K Ham Radio Exams Contact: Scott— ag7t@arri.net [Salvation Army- Renton] ARRL SSB Sweeps

Contact: Gene N7QLT, hamsignup@seafairparademarshals.org
 Contact: Fran N7FWZ 425-226-4115
 Contact: Dan KC7UVK 425-776-3722