



From our Club President...

2009 -- A Great Year to Remember

by Dick Radford WA7NIW, President

It's been quite a year for the Mike and Key Club.

The Flea Market was a big success again. My 'thanks' to all the members who made this event continue to be great. Sign up sheets will be available at the General meeting.

Field Day was another successful operation. Having the Wagon Wheel for a week encouraged many to come out earlier than in past years. We had a great time of fun, food, and fellowship while turning in a great score despite the continuing minimal sunspot situation. Again this year we have the Wagon Wheel starting Monday afternoon, so come out for Field Day and enjoy your Fort Flagler State Park. We might even have a sunspot or two for your enjoyment.

The Bylaws Review Committee is working on a plan to finish the review in time to be voted on by the members in the near future, so as they say, stay tuned for further developments. Meanwhile, if there is something you think should be changed, please get it to a member of the committee.

The December meeting has a couple of agenda items that you won't want to miss. The club members will vote on the budget for 2010 (always an entertaining process), and the Year End Raffle Extravaganza will take place. --Dick, WA7NIW

M&K Club Holiday Party - 2009

by Michael Dinkelman N7WA



It all started early, at 2PM, Saturday the 12th. We arrived at the Salvation Army HQ to find a rather messy room for our Christmas Party. Fred and Dorothy Lowell had also arrived so we started by taking out the garbage (thanks Fred) and vacuuming up the place (thanks Dorothy). Meantime, Diane started on the kitchen and the food. *[Continued on Page 3]*

Salvation Army Bell Ringers

By Jim Etwiler – KD7BAT

Success!

On Saturday, December 5, the day of volunteering to help the Salvation Army raise funds by bell ringing, was a success! Both kettles were full by the end of the day and were quite heavy!

First I must thank Mike Dinkelman, N7WA, for stepping up and being a focal at the Fry's location. This meant that I did not have to spend significant time going between the Fry's and Wal-Mart locations.

Many thanks go to all the volunteers and their significant others that came along to ring the bells for the Salvation Army and stand out in the cold for an hour.

Participating at the Fry's location were Michael Dinkelman, N7WA, Jim Aigner, N7MU, Mike Foster, KM7F, Jim Darby, NY1R, Michael Hansen, KG7MX, and Tim Kane, K7ANE.

Participating at the Wal-Mart location were Gill Drynan, W7GIL, Al Hopwood, KB7THX, Greg Pietrucha, W7HRC, and Linda, Andy Lengenfelder, KE7ZGR, Ron Stein, W7GAX, Bob LeDoux, KE7JPI, and Jim Etwiler, KD7BAT. *[Continued on Page 3]*

IN THIS ISSUE:

| | |
|---|----------|
| From Our President-Dick WA7NIW | 1 |
| M&K Club Holiday Party - 2009 | 1 |
| Salvation Army Bell Ringers | 1 |
| M&K Club Contact Information | 2 |
| M&K December Club Mtg & Activities | 3 |
| K7LED Elmers in the Line-Up | 3 |
| Celebrate Our December Members | 4 |
| Special Focus: Elmers' Corner | 5 |
| Public Service Committee Minutes | 5 |
| M&K General Meeting Minutes | 6 |
| M&K Board Meeting Minutes | 7 |
| M&K Reference Lending Library | 7 |
| Ham Radio Nets&Events- Dec/Jan(2010) | 8 |



The *K7LED Relay*, published monthly, is the official newsletter of the Mike & Key Amateur Radio Club. Mike & Key ARC is an ARRL-affiliated club dedicated to the growth and betterment of Amateur Radio.

The club meets at 10 A.M. the third Saturday of every month at 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.



Postal Address:

P.O. Box 4234
Renton, WA 98057-4234

Web Site:

www.mikeandkey.org

Send dues to:

Mike&Key ARC
P.O. Box 4234
Renton, WA 98057-4234

K7LED Repeaters:

146.82 output / 146.22 input
(PL 103.5)
Tiger Mountain
224.120 output / 222.520 input
(PL 103.5)
Tiger Mountain

Email:

info@mikeandkey.org

Send newsletter submissions to:

Gary Bryan, *Relay* Editor
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Federal Way, WA 98023-7724
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Reflector:

<http://groups.yahoo.com/groups/mkarc>

Club Contacts

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| Treasurer | Carolyn Pasquier | WV7Q | carolynp@sprynet.com | 253-862-1157 |
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| No. 1 | Tim Kane | K7ANE | k7ane@arrl.net | 206-251-7467 |
| No. 2 | Steven Cook | KD7IQL | kd7iql@arrl.net | 206-781-2293 |
| No. 3 | Michael Dinkelman | N7WA | n7wa@arrl.net | 253-631-3756 |
| No. 4 (CoB) | Robert Grinnell | KD7WNV | r-grinnell@comcast.net | 425-398-1466 |
| No. 5 | Dave Smith | KB7PSN | kb7psn@yahoo.com | 425-235-5095 |
| Logo Committee | Dan Humphrey & Dawn Humphrey | N7QHC | n7qhc@arrl.net | 206-243-0163 |
| Webmaster | Jim Etwiler | KC7YYB | kd7bat@arrl.net | 206-633-1512 |
| VE Testing | Scott Robinson | AG7T | sgr@nwlinc.com | 425-788-0162 |

Mike & Key Online -- Several club resources are available online:

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, surf to: <http://groups.yahoo.com/groups/mkarc> .

E-Relay — Want the newsletter in color and a day or two before the print edition arrives by regular mail?

You will also save the club some money in printing and postage costs. To sign up, send a message to the editor: kg7ku@arrl.net.

December 2009

M&K December Meeting & Activities

by Jim Aigner N7MU, Activity Chair

Mike Dinkleman N7WA did a heck of a job again at the November meeting, demonstrating how to make crimped coax connections. His presentation was complete with slides, tools to pass around, and a chance to participate in crimping. It was a fun and informative program.

By the time you read this, some of us will have enjoyed the first club Holiday party in the last three years. And again, credit goes to Mike Dinkleman and the volunteers who helped set up and clean up. Great job.

This month's program will take a little different turn. We'll use the time to introduce our new **Elmer** coordinators and set the stage for ongoing coaching activity. You can recognize the coordinators by the red K7LED Elmer badge they will each be wearing. I encourage everyone to take part in this session and to volunteer as an **Elmer**.

You must have been very good boys and girls during 2009 because Santa was extremely generous with the December door prizes. If you only attend one meeting this year, this is it. This month we have another TenTec 1056 direct conversion receiver kit complete with an aluminum case, a 24-hour station wall clock, a 102' G5RV antenna, a dual band HT antenna, a W2AU 4:1 antenna balun, a wire antenna center insulator, and a \$50 gift certificate for Amateur Electronic Supply. Buy a ticket, maybe two.



Photo: These Door Prizes await you at the M&K Club's December General meeting

And since this is December, we will be drawing from the previous 11 months' tickets for the three end-of-year door prizes. They include a Yaesu FT250R 2 meter handheld with charging cradle, a Yaesu FT-1802M/E 2 meter mobile radio with mic, power cord, and mounting bracket, and finally there's a Samplex 10 amp switching power supply. For this drawing you need not be present to win.

See you Saturday, December 19.

K7LED Relay

Bell Ringing... [Continued from Page 1]

Special recognition goes to Al Hopwood, KB7THX. I learned, at the end of his hour shift, that Al is recovering from a broken hip and has only been up and about just recently, and yet he came out.

The bell ringing team raised over \$83 per hour per kettle for the Salvation Army. I am sure most of Mike and Key do not earn at this rate for donating just one hour anywhere else. In these times of record unemployment, these funds will help a lot of folks.

To the whole team: THANK YOU!!!

K7LED Elmers in the Line-Up

by Jim Aigner, N7MU

Your K7LED membership gives you access to helpful folks with extensive experience in amateur radio. Many are available to serve as traditional "Elmers", mentors who help you get jump-started in the hobby. And most would be happy to coach you on any aspect of radio they have experience with, and even some they don't.

During the December meeting, I will introduce the K7LED Elmer coordinators. You can recognize them by their red badges and contact them with the information posted in the list shown on Page 5 of this Relay. The current list can always be found on the club's website.

These mentors act as coordinators for your questions and coaching requests. They may not necessarily handle all the coaching requests themselves. So, if you are willing to help as a coach in any of the identified areas, be sure to let a badged Elmer know so you can be used as a resource.

On the other hand, if you have questions, need some coaching, or would like to work more closely on radio activities with other club members, here's your chance to get involved.

Join us Saturday and stay tuned for some fun.

M&K Holiday Party... [Continued from Page 1]



Additional help arrived by DJ (the Salvation Army coordinator) and Jim Etwiler. Once decorations went up it was starting to look pretty ship-shape. The bug-a-boo was the heat. Seems the thermostat for the main room was busted. DJ got us a heater but it wasn't going to do the job. [Continued on Page 4]

M&K Holiday Party... [Continued from Page 3]

Then we got the idea of warming up the chapel (on a different thermostat) and opening the doors between the two rooms. That, and a couple more space heaters, eventually got things pretty cozy. Setup was over way sooner than anticipated. I think we ended up with more "sitting" time than I would have anticipated but that was better than having the other way around. I need to recognize others that also came down to help - Hal and Annie and Jim and Susan.



The parlor game I had set up seemed to go over fairly well. Ivy WA7IVY managed to guess 7 of the "identities" and Al KB7THX came up with 4 or 5. Both received movie tickets. The Hopwood's also donated a couple pairs of tickets to a Christmas light show which were drawn as door prizes.

Food was plentiful, varied, and good. Plenty of hors d'oeuvre, main entree's, and deserts. We were kinda light on the beverages and the punch ran out early. My fault – should have listened to my wife. (where have I heard that before?)

The program consisted of two video's related to Ham Radio plus a Power point presentation with pictures from the past year from the Club and individuals. Tear down was a snap. We had help from too many people to mention but I thank you all. We definitely left the place in better shape than we found it and the Captain's wife asked that we leave the tables and decorations setup as they did look pretty nice and they were having an event the next day too.



I hope everyone had fun. After not having a party for the past couple years, I was worried that the attendance might be light. However, we had in excess of 40 people and the room was quite full. Feel free to express your interest in doing this again next year.

Further on 'Line A' Location

By Jim Etzwiler – KD7BAT, Webmaster

At the November meeting there was a brief discussion about "Line A" restrictions in the 70 cm band. If you are interested in finding out more about "Line A", visit the Mike and Key Club web page at <http://www.mikeandkey.org/links.htm#LinkOther>.

There are three related links on this web page.

The first is to an interactive map that shows 'Line A' as well as Lines B, C and D. This interactive map allows the user to zoom in on an area of interest and to scroll north/south or east/west. As the user zooms in, the map shows more detail.

The second link is to a static map. This map is centered on the Puget Sound Area and is intended for use by users with limited download speed.

The third link is to a web site that discusses the "Line A" restriction and provides some landmarks for determining where the "Line A" is located.

Let the Webmaster (yours truly) know if this is useful or if there is additional information you would like to see on the web site.

Celebrate our December Members

by Carolyn Pasquier WV7Q, Treasurer

As of December 2009, 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.

Each of you makes us who we are:

| | | |
|----------------|--------------|----------|
| John Becker | K7PFR | 37 Years |
| Ken Rau | K7YR | 37 Years |
| Raleigh Elkins | WB7WNF | 30 Years |
| Norman Ahrens | N7KWZ | 22 Years |
| Pete Kozlowski | N7UIF | 18 Years |
| David Smith | KB7PSN | 16 Years |
| Michael Ross | KB7YXB | 16 Years |
| Marilyn Olson | KB7WSH | 15 Years |
| Alan Hughes | KB7SVU | 13 Years |
| Tressie Hughes | KB7BAL | 13 Years |
| Ted Roubal | KC7ZEO | 12 Years |
| Edward Maher | NL7VP | 6 Years |
| Robert LeDoux | KE7JPI | 2 Years |
| Doug Sutphen | KE7OQW | 2 Years |
| Jessie Vaughn | -- No Call-- | 2 Years |

Special Focus: Elmers' Corner

contributed by Jim Aigner N7MU



Photo: Elmers 'n' do-ers alike get down to it at the November Club Meeting

| Area | Elmer Coordinator | Email | Phone | Also... |
|------------------------|----------------------|--|--------------|--|
| Homebrew, DX, Antennas | Jeff Wandling, W7BRS | dew7brs@gmail.com | 206-605-2278 | New hams, satellite work |
| Beams and Towers | Alan Hughes, KB7SVU | kb7svu@juno.com | 253-840-4947 | Beam antennas and towers, safety |
| Contesting | Mike Dinkleman, N7WA | mwdink@clearwire.net | 253-631-3756 | Contest operations |
| CW | Mike Dinkleman, N7WA | mwdink@clearwire.net | 253-631-3756 | Learn CW, operating proficiency |
| Digital Modes | **** Open **** | | | All digital modes, software, TNCs |
| D-STAR | Steve Hatch, WA7DAD | stephen@hatch.net | 206-851-8842 | |
| Emergency Comm | Tim Kane, K7ANE | k7ane@arrl.net | 206-251-7467 | CERT, ARES, organizations and equipment |
| HF Operation | Dale Tongue AC7NP | dale.tongue@gmail.com | 425-432-4254 | Equipment, Antennas, and best HF operating practices |
| New Members | Dick Radford, WA7NIW | wa7niw@arrl.net | 425-828-9791 | Getting started, equipment selection and operation |
| QRP | Frank Qualls, AB7HA | franklin_qualls@hotmail.com | 425-802-1837 | Low power operation, design and construction |
| VHF/UHF Operation | Dave Smith, KB7SPN | kb7spn@yahoo.com | 425-235-5095 | 6 meters and up; radios, antennas, modes |

Public Service Committee

Meeting held 11-21-09

Meeting called to order by Robert at 12:25

In attendance: Dave KB7PSN, Dawn KC7YYB, Dan N7QHC, Robert KD7WNV, Carolyn WV7Q, Gary KG7KU, Dick WA7NIW

- Robert is doing Cycling Events, Nets, and EmComm
- Dick is contacting Seafair regarding updates on event dates.
- Gary will do miscellaneous events that are not either Cycling or Seafair and also Hamfests.
- Carolyn is doing the repeater list.
- Dave is working the Club Contacts list.
- Dick will contact Seafair regarding their ad.

--Gary will contact Radio Club of Tacoma, and HRO regarding ads.

--Robert will contact Renton Emergency Prep. Academy, Comm. Academy, WWDX club, and Waddell and Reed regarding ads.

--We still need someone to verify the list of VE exam sessions.

--Additional Ad contacts are ARRL, King County Red Cross, Hot Press, and Cedar River Smokehouse.

--Ad rates are \$250 for a full page, \$150 for a half page, \$300 for inside the front or back cover, and \$350 for the outside of the back cover.

Attested -- Dick WA7NIW

December 2009

K7LED Relay

M&K General Meeting Minutes

held November 21, 2009

Meeting was called to order at 1004 hours by the President, Dick WA7NIW.

Pledge of Allegiance.

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.

Applications: none of the applicants were present.

Quorum present.

Is there a motion to approve the minutes of the previous meeting as amended?

Steve/KD7IQL made a motion to approve the minutes as amended; Greg/W7HRC seconded the motion.

Officer Reports:

President – Dick/WA7NIW: Nothing new to report.

Secretary – Ivy/WA7IVY: Changes were made to the last general meeting minutes as suggested by Michele/WB7AYU and Jim/KD7BAT. Mail was picked up and delivered to the treasurer. I would also like to remind the membership that I am a Notary Public, and I would be happy to notarize documents for the membership free of charge at the general meetings if they let me know before the meeting.

Treasurer – Carolyn/WV7Q: The club's books are in good order.

Activity Manager – Jim/N7MU: Get your door prize tickets! The drawing to be held after the meeting. The program today is a hands-on demonstration of crimping coax cable presented by Mike/N7WA.

Chairman of the Board – Robert/KD7WNV: Mentioned the ongoing dispute concerning club property. Robert made a motion that funds be authorized to the board to secure our property, Steve/KD7IQL seconded. Hal/N7NW and Michael/KG7MX explained to membership the nature of the disputed. Motion carried.

Radio Officer – Hal/N7NW: We still have an operating repeater at Cougar Mountain. We don't have access to this repeater at this time. We are trying, given weather conditions, to get a repeater installed on Tiger Mountain. The 220 repeater is operating on Tiger; please use it. The Echolink will be operating soon.

Relay Editor – Gary/KG7KU: Gary thanks everyone who has contributed to the Relay.

Webmaster – Jim/KD7BAT: There will be a new Silent Key that will go on the website this week. We have an interactive map on the site showing Line A on the website now. Discussion on the reason behind Line A. Mike/N7WA mentioned that you can avoid all of this by using CW on the HF band.

Vice President – Kathy/KB7QMO: Membership

Standing Committee Reports:

Strategic Planning – Robert/KD7WNV: Jim/N7MU mentioned that Mentoring was highlighted on the survey results, and next month's program will be on mentoring.

Facilities and Publicity –: Dave/KB7PSN: The club has some antenna analyzers available for checkout.

Education and Training –: Tim/K7ANE: Seattle Community College has been wanting us to put on a Technician course, but because of the new FCC ruling, it has been put on hold until possibly after the first of the year.

Public Service – Mike/N7MU: Robert/KD7WNV: the public service committee meeting will be here after the meeting while we do envelope stuffing. Work is starting on the booklet. If you are interested please contact Robert.

Technical and Special Interest – Steve/KD7IQL: nothing new to report

Holiday Party: Mike/N7MU: We will have a potluck here at the Salvation Army. There will be no gift exchange; Mike would like some photographs of fun pictures about ham radio (please email them to Mike by the beginning of December). Please sign up for what you would like to bring.

Other Committees (as appropriate):

VE Exams – Scott/AG7T: There were 10 people who attended the testing session in October: 5 Technician; 2 General and 2 Extra. One person came in with no license and left with his extra. The VE session will be held at 12:30

Field Day – Steve/KD7IQL & Brendan/KD7IKV: Still looking for a Field Day chair. There was some confusion in how we were listed in the published results. We came in first in Western Washington, third in 6A; 22nd in the nation.

Flea Market: Hal/N7NW & Mike/N7WA: Meeting December 1st at Mike's house. We have the flyers ready to be stuffed today after the meeting. Flea market signup sheets are available now.

By Laws: Dave/KB7PSN: Please submit your comments to Dave as soon as possible

Banquet: Looking for a chair for this committee.

Old Business:

Alligator Award – Dean/N7NKO still holds the award.

New Business –

Jim/KD7BAT: We have signed up as a club for two locations for bell-ringing for the Salvation Army this year; one location will be at Wal-Mart at Renton, the other will be determined later (we have requested Fry's). The club gets reduced rates to rent the space at the Salvation Army because we do bell-ringing for them. We are only asking for one hour signups on Saturday, December 5th.

Good of the Order –

Discussion of good places to get power supplies, and safety concerning them.

Alan/ KB7SVU showed a Gadsden Flag that will be installed on the top of Little John/WA7HQQ's antenna. Special People's Holiday Cruise on December 6th; contact Dick/WA7NIW if you are interested in helping.

[Continued on Page 7]

December 2009

M&K General Mtg Minutes... [Cont'd from Pg 6]

The next Mike & Key Board meeting will be on the first Wednesday of the December, 2nd at 7:00 pm, at the Salvation Army in Renton.

The next Mike & Key General Membership meeting is the third Saturday, December 19th, 2009.

12 guests; 58 members

Mike/N7MU a motion to close the meeting. The motion was passed. Meeting adjourned 11:00 am.

Attested: Ivy Nelson-Groves WA7IVY – Secretary

M&K Board Meeting Minutes

held December 2, 2009

Officers present:

X President – Dick Radford (WA7NIW)

X Vice President – Kathy Martin (KB7QMO)

X Secretary – Ivy Nelson-Groves (WA7IVY)

X Treasurer – Carolyn Pasquier (WV7Q)

X Activity Manager – Jim Aigner (N7MU)

X Radio Officer – Hal Goodell (N7NW)

Trustees present:

 No. 1 – Tim Kane (K7ANE)

X No. 2 – Steve Cook (KD7IQL)

X No. 3 – Mike Dinkleman (N7WA)

X No. 4 – Robert Grinnell (KD7WNV)

X No. 5 – Dave Smith (KB7PSN)

Chairman of the Board Robert KD7WNV called the meeting to order at 7:04 p.m.

Minutes: A motion to approve the minutes of the previous board meeting was made by Steve/KD7IQL and seconded by Dave/KB7PSN. Motion passed.

Officer Reports:

Chairman of the Board – Robert KD7WNV: Moneys were approved by the membership to get our equipment back.

President – Dick WA7NIW: Dick will be absent at the December General Membership meeting.

Vice President – Kathy KB7QMO: Application for approval: Allen Evenson KF7EST; Edward Alden KF7GBD; Vanndy Eam KC5BDW; Carl Reynolds KF7ESX. All were approved by the board.

Secretary – Ivy WA7IVY: Mail was picked up and will be delivered to the Treasurer.

Treasurer – Carolyn WV7Q: The club's books are in order. Carolyn sent out copies of the proposed budget to the board.

Activity Manager – Jim N7MU: December program will be a kickoff of our Elmer Program. Jim needs two more people for digital modes Elmer and HF operations Elmer. End of the year drawing will be in December.

Radio Officer – Hal N7NW: Discussion of our repeater issues. Ivy/WA7IVY moved that we make one more revised offer to secure our equipment, seconded by Steve/KD7IQL. Motion passed.

Relay Editor – Gary KG7KU: not present

Webmaster – Jim KD7BAT: not present

Standing Committee Assignments:

Strategic Planning: Robert KD7WNV: Nothing new to report.

Facilities: Dave KB7PSN: There is a problem with one of the MFJ analyzers.

Education: Tim K7ANE: not present.

Public Service: Mike N7WA: Robert KD7WNV reported that the booklet assignments have been made. Seafair lost their main sponsor.

K7LED Relay

Technical: Steve KD7IQL: Steve has the ICOM repeater on his bench. Steve will be recruiting for the Technical committee at the next general meeting.

Field Day: Steve KD7IQL: Still looking for a chair. We are listed twice in the Field Day listings. The barracks reservation fee and the wagon wheel reservation fees are paid. Our QSO manager, Fred/ W6TKV sent his renewal in; and mentioned that he will be up for 2010.

By-Laws: Dave KB7PSN: There are eight people on the committee; three have submitted comments, and will have a meeting early in the new year.

Old Business-

Insurance: Steve KD7IQL: Nothing new to report.

New Business-

Budget for 2010: Discussion concerning the budget that will be presented to the membership.

Picnic: The reservation cycle for the city of Renton Parks starts on 1 January. Do we want to have a picnic? If we do, Dave/KB7PSN will make the reservation; Dave/KB7PSN will NOT serve as picnic chair.

Good of the Order-

On Tuesday, December 8 and Wednesday, December 9, Kitsap, Pierce and King Co. Papa John's will donate 100% of their profits to the families of the four slain Lakewood, Washington police officers.

There being no further business, Robert KD7WNV adjourned the meeting at 9:57 pm.

Attested: Ivy Nelson-Groves WA7IVY, Secretary

Mike & Key ARC

Invites you to visit the NEW Club Reference & Lending Library

Volumes include the most recent Editions of:

| | |
|----------------------|-----------------------|
| ARRL Handbook | ARRL DXCC Handbook |
| ARRL Antenna Book | ON4UN Low-Band DXing |
| Tech Class Manual | Em-Comm Handbook |
| General Class Manual | VHF Digital Handbook |
| Extra Class Manual | ARRL Operating Manual |

Due to the gracious hosting of Tokuzo AD7JA, the library is located at his business, Skyway Radio & TV Service, 11818 Renton Avenue So., Seattle, WA 98178, in the Skyway neighborhood, across from Skyway Park Bowling. *(Has 5-element Yagi & tower)*

Club members can check-out books for a four week period, or duplicate individual articles as needed, any time between 12 noon and 4 pm, Mon thru Fri, Saturday, 12 noon to 3 pm, except on Club meeting Saturdays.

Donations: Select ham-related books, equipment operating and service manuals, etc., in good condition, and cash for library fund are gratefully accepted.

Driving Directions: From the North or West: I-5 exit 158 (MLK), go east across MLK up hill on S. Ryan Way to end, turn R on 51st Ave S, turn L on So. Bangor St. (0.2 mi) then R on Renton Ave So. to shop (0.7 mi), on left.

From the South or East: I-405 exit 2A (167), north on Rainier Ave S, L on Renton Ave Ext. (Airport Way on right), continue up hill to shop, on right.

Please park at South fence, between shop & storage company.

2009 -- Ham Nets & Events -- DECEMBER / JANUARY (2010)

| SUNDAY | MONDAY | TUESDAY | WEDNESDAY | THURSDAY | FRIDAY | SATURDAY |
|---|--|---|--|--|--|---|
| 13 2000 -- King Co. ARES 147.08 (Weekly) 2200 -- NW Astronomy Net 145.33 (Weekly) | 14 0545 & 1645 -- Weather Net 145.33 (M-F) 1730 -- Puget Sound Traffic Sys. 146.82 (Daily) 1900 -- Seattle ACS 146.90 (Weekly) | 15 2000 -- Seattle Red Cross Communications Team (includes 'Elmers Corner') 146.82 (Weekly) | 16 2000 -- General Tech Info 145.33 (Weekly) 2100 -- NWSOAR Net 146.82 (Weekly) | 17 1900 -- M&K Public Service Net 146.82 (Weekly) 2000 -- Computer & Packet Net 145.33 (Weekly) | 18 2000 -- Youth Net 145.33 (Weekly) | 19 1000 -- M&K Club Meeting, Renton 1300 -- Ham Radio Exams, Renton 2000 -- Amateur TV Net 147.08 (Weekly) |
| 20 1915 -- Kids Net Net 145.49 (Weekly) 2030 -- Snohomish Co. ARES 146.92 (Weekly) | 21 1800 -- WA Emerg. HF 3.985 (Weekly) 1830 -- WA ARES 3.985 (Weekly) 1930 -- PSRG 146.96 (Weekly) | 22 2000 -- Snohomish Co. RACES 146.92 (Weekly) | 23 2000 -- Educational Radio Net -- PSRG 146.96 (Weekly) | 24 | 25 | 26 0900 -- WA ARES HF Net 3.985 (Weekly) |
| 27 | 28 2000 -- YL Net 145.33 (Weekly) | 29 | 30 | 31 | 01 - JANUARY - 2010 Happy New Year ! | 02 |
| 03 | 04 | 05 | 06 M&K Board Mtg 7pm - Salvation Army, Renton | 07 | 08 Relay Articles Due 23:59:59 | 09 HamRadio License- Get Your License in One Weekend' Class. Jan 9 & 10, 2009 Radio Club of Tacoma -- http://www.w7dk.org/ |