



Volume 40, Issue 9.

Mike & Key Amateur Radio Club -- Seattle

September 2012

From our Club President...

Late Summer Happenings By Robert Grinnell KD7WNV, President

August saw the coming of our annual picnic, and we had another thoroughly enjoyable outing at Gene Coulon Park. The weather was just right, giving us a beautiful day without the heat. I hope you were able to come out and partake in the great food and friendship. Our thanks go out to organizer and grillmaster Hal N7NW for another successful event. Also, Toku AD7JA provided another of his distinctive Asian treats that are always a big hit.

There is always such an abundance and variety of dishes at these events that it is hard to even sample all those that you would like to. However, on the variety side, I noticed something this year. We have a great tradition of chili and other bean dishes, especially at Field Day, but I brought a dish of baked beans, and unless I missed something, it was the only bean dish at the picnic. Given that it was emptied pretty quickly (though, admittedly, it was modest in size), perhaps this is a category where there was more demand than supply. So if you brought a dish that was duplicated by others, and/or maybe came away with more of it than you care to, or are just not sure what to bring to a future event, there's an idea.

I'm very pleased at the response to my call for a new committee to focus on Membership. The concept and goals have been received enthusiastically, and several people have stepped forward to join. They are already coming up with additional excellent ideas, beyond the three functions that I initially laid out for the group. Again, this is about the easiest committee you would ever find to serve on. If you would like to join, please contact VP Kathy Martin, KB7QMO.

September brings a major event for hams in Washington, the state QSO party, called the Salmon Run. Antennas around the country will be pointed towards us. We did a program on this at the April meeting, with several of us showing pictures and recounting adventures from recent years. Hopefully, that whet your appetite to participate, if you have not previously done so.

The contest is sponsored by the Western Washington DX Club (www.wwdxc.org). Unfortunately, it does always conflict with our September general membership meeting, and several members (and some of us Board members) will

be absent from the meeting, some in order to travel to "rarer" counties. But you can still come to the meeting and get in lots of operating time, as the contest runs until midnight Saturday and 9am-5pm Sunday. See the WWDXC website for rules and other information.

M&K - 2013 Budget Process

By Michael Dinkelman N7WA

Over the next few months, culminating in a December vote, the Club will be planning its 2013 budget. Last year, there was a fair amount of late discussion which actually led to a delayed vote. One of the discussions was how to structure the budget. (Hopefully, that one is resolved.) Then, came a discussion about just what the Club should be spending its money on.

If you think the Club should be spending its money in different areas than it currently does, now is the time to let your Club Officers be aware of your preferences. While that doesn't mean it'll happen; your idea, at least, can be brought up for consideration during a Board meeting and discussed.

The budget gets reviewed by the Board at the November Board meeting. Suggestions should be presented to the Board by the October Board meeting.

IN THIS ISSUE:

From our Club President – Robert KD7WNV	1
M&K 2013 Budget Process - Mike N7WA	1
M&K Club Contact Information – K7LED	2
M&K September Activities – George AE7G	3
M&K September Door Prizes – <i>Jim N7MU</i>	3
M&K Flea Market Planning Begins - Mike N7WA	3
M&K Annual Picnic Recap – Hal N7NW	3
Contest: 2012 Salmon Run – Mike N7WA	4
M&K Radio Officer Report – Hal N7NW	4
Antenna Work Party – Mike N7WA	4
Celebrate September Members – Dave KB7PSN	4
M&K-ARC Elmer Contacts – Jim N7MU	5
Email – Volunteer as Comm-Op – Terry WX7S	5
PNW – Hamfairs & Events – N7CFO on Web	6
Ham Workshops/Classes – Bill KL7BB	6
M&K August General Mtg Minutes- Ivy WA7IVY	7
M&K September Board Mtg Minutes – Ivy WA7IVY	8
M&K Reference Lending Library – <i>Tim K7ANE</i>	9
Ham Radio Nets & Events - September/October 1	10

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

RAD

K7LED Repeaters:

Tiger Mountain

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

www.mikeandkey.org

Email: info @ mikeandkey.org

Reflector:

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

Send dues to:

Mike & Key ARC P.O. Box 4234

Renton, WA 98057-4234

Send newsletter submissions to:

Gary Bryan, *Relay* Editor 34033 33rd Ave SW

Federal Way, WA 98023-7724

kg7ku @ arrl.net

Club Contacts

President Vice President Secretary Treasurer Activity Mgr Radio Officer	Robert Grinnell Kathy Martin Ivy Nelson-Groves Dave Smith George Thornton Hal Goodell	KD7WNV KB7QMO WA7IVY KB7PSN AE7G N7NW	r-grinnell @ comcast.net klsmartin1 @ gmail.com ivy @ wa7ivy.com kb7psn @ yahoo.com GTLAW @ seanet.com n7nw.hal @ comcast.net	425-398-1466 253-631-5370 425-269-3259 425-235-5095 206-920-7072 253-549-4178
Trustees No. 1 No. 2 No. 3 (CoB) No. 4 No. 5	Michael Dinkelman Kathleen Weiss Tim Kane Gil Drynan Daniel Stevens	N7WA KF7MUD K7ANE W7GIL KL7WM	n7wa @ arrl.net kf7mud @ live.com k7ane @ arrl.net gild @ seanet.com KL7WM @ arrl.net	253-631-3756 425-283-6545 206-251-7467 425-392-1668 206-228-9274
VE Testing Logo Committee	Scott Robinson Jim Aigner	AG7T N7MU	ag7t @ arrl.net jimaigner @ comcast.net	425-788-0452 253-630-2752
2090 00	Dan Humphrey & Dawn Humphrey	N7QHC KC7YYB	n7qhc @ arrl.net	206-243-0163
Club Library	'Toku' Okumura	AD7JA	tokuzo_okumura @ msn.com	206-772-2450
Webmaster	Jim Etzwiler	KD7BAT	kd7bat @ arrl.net	425-788-7887

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

On the Web – The Club's site at <u>www.mikeandkey.org</u> 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, Email the Relay Editor: kg7ku @ arrl.net.

M&K Club - September Activities

By George Thornton AE7G, Activity Manager

Many of our members will be absent in September because of the Salmon Run contest.

At this time we have not confirmed a speaker for the September meeting. We are trying to arrange for a presentation on the Volunteer Examiner licensing process. If you have ever thought of becoming a Volunteer Examiner, this will be a good starting point.

We do wish to announce that we now have sufficient funds to obtain the Elecraft KX3 as the year end prize.

Remember, all tickets purchased during the year will be included in the drawing for the year end prize. This INCLUDES winners of monthly prizes.

M&K September Door Prizes

Prize List & Photo By Jim Aigner N7MU

Here's the line-up for September door prizes:

- Radio Shack Cordless Battery Powered Soldering Iron
- SPI-RO #PB-4 4:1 PRO-BALUN (used)
- High Sierra PowerPole Ratcheting Crimp Tool 15-30-45 Amp
- Sandisk 16GB USB 2.0 Flash Drive
- Personal Emergency Communications, Andrew Baze
- Hands Free LED Headlamp, batteries included
- 800Ma Deluxe Universal AC Adapter
- 6" Hook and Loop Cable Straps
- Black Canvas Equipment/Go Bag
- Aluminum Water Bottle



M&K Flea Market Planning Begins

By Michael Dinkelman N7WA

Seems like the years are running faster and faster. Just a short while ago, we were celebrating our 2012 Fleamarket success. Now, it's time to begin planning for the 2013 event.

The Fleamarket planning begins again in October with the *first meeting* to be *October 9th*. After that, we'll hold meetings, as needed, on the second Tuesday of each month. The meetings start at 7PM at the Dinkelman residence.

If you were a chairperson last year, please let me know if you will be returning. If you are interested in moving up into an administrative role (Chairperson), let me know that as well. The Fleamarket planning meetings are not restricted to Chairs, *all interested Club members are welcome*. If you need an address, please check the roster or N7WA on QRZ or drop me a line at <n7wa at arrl dot net>.

For those of you who need to plan for the time off now, let your boss know now that you need Friday and Saturday off – March 8th and 9th, 2013.

M&K Annual Picnic Recap

By Hal Goodell N7NW

It was a <u>super turnout</u> for the 2012 annual Mike and Key ARC picnic!! The Mike and Key ARC picnic was held on August 18th at the Gene Coulon Memorial Park. This park is really exceptional.

Thanks all for attending. We had an estimated 55 members and family members attend. The weather leading up to picnic day was fantastic, what happened! It was a little cool, but at least no rain. The weather did warm up some in the afternoon.

We arrived at 8:30 to set up and found Toku AD7JA and a few others had all ready arrived. I wish to extend my thanks to all the early attendees for their help in unloading my vehicle and setting up for the picnic. It sure is great to have so many folks lending a hand. Sure made Annie's and my job easier.

Members started arriving at about 9 for the usual pre meeting 'ragchew.' Thanks to Mike N7WA, for providing the Donuts and coffee. Robert, KD7WNV, conducted the meeting starting at 10 and got the necessary business out of the way. We welcome the two new members who were voted in. Then we got down to the important part of a picnic, and that's the eating!!

Thanks to Gregg, W7HRC, and his wife, Linda, for doing the majority of the BBQing again. Great burgers and dogs, I don't think anyone left hungry. There were bunches of side dishes and thanks to all for bringing them.

[Continued on Page 4]

M&K Annual Picnic... [Continued from Page 3]

Special thanks again to Toku, AD7JA, for once again providing a great treat for our group. I think he was counting on a little warmer weather for his cold noodle soup, but it was great and enjoyed by all. Toku always provides a delicacy for all of our events.

The park was really crowded with other groups waiting to use the shelter after we finished. So after cleanup up we all departed. Thanks again all for helping cleanup and carrying the supplies back to my truck. You all made our task easy!!

Contest: 2012 Salmon Run

By Michael Dinkelman N7WA (Photo: Mike N7WA 2011 Salmon Run)



The Salmon Run (a.k.a. Washington QSO Party) is the 3rd weekend of this month. This is a fun contest, sponsored by the Western Washington DX Club, where everybody is looking for

Washington State QSO's. One of the reasons this test is so popular is winners get smoked salmon.

Alas, it is the same weekend as the Club meeting so some of us will not be in attendance. From what I hear, the W7A group (W7XTZ, KE7NBN, and others) will be running from Orcas Island again. President Robert (KD7WNV) and COB Tim (K7ANE) plan on making Whatcom County active. Myself (N7WA), I hope to be running around eastern Washington with Jim K7ND. However, you too, can participate from home. Check out the rules at http://www.wwdxc.org/salmon-

<u>run/announcements/washington-state-salmon-run.html</u>

The exchange is pretty simple. From inside the state, you send RST and your County (3 letter abbreviation list available up on the site). Those outside the state will send RST and their State/Province/DX. Yes, there is DX to be worked. You can do it on Phone, CW, or Digital

Get on and have some fun.

M&K Radio Officers Report By Hal Goodell N7NW

After several months of investigation and troubleshooting, we seemed to have found at least one of the culprits that has been causing some of the noise on the repeater. A fix has been implemented and we have gone a couple of weeks with a very quiet repeater.

-- YAY!!

Thanks to everyone for your patience. These types of problems are always very troublesome to resolve.

We have a few more things to take care of on Tiger before the fall weather turns to winter (brrrr). But it looks like we will have a very well functioning repeater for the winter season.

- Hal Goodell, N7NW

Antenna Work Party

By Michael Dinkelman N7WA

Club member Toku, AD7JA needs some help. He has a 20M Yagi on 70' of Rohn 45 and wants to swap it for a TH-7 multiband Yagi sometime before the rains begin. I'm thinking late September, early October.

It should be a fairly straight forward task – especially if we can get a couple people on the tower and a couple on the ground. I can be one of the people on the tower. I also have all the other accoutrements we'll need like rope, pulley's, beaners, slings, gin pole, etc. Toku's place is in Renton (Skyway area).

This should be a matter of just dropping the one beam and raising the other. Many hands make for light work. I'd like to do this on a Saturday. We have two in September after the Club meeting or we can move it to one of the two before the October meeting. Of course, weather will be a determining factor.

If you think you would like to help (depending on actual schedule of course), please let me know which Saturdays would work for you.

Celebrate Our September Members! By Dave Smith KB7PSN, Treasurer

As of September 2012, these 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:*

Jack Burrell	N7ZS	32 Years
John McGee	KI7OT	20 Years
Betty Westby	N7UII	20 Years
Mike Foster	KM7F	18 Years
Robert Schweitzer	WB7QNB	17 Years
Scott Robinson	AG7T	12 Years
Charles Sundberg	K7PHZ	12 Years
Rachelle Gill	KF7QCN	11 Years
Teresa Vaughn	AD7CT	9 Years
John Saunders	KD7UI	8 Years
John Marthens	NU6A	7 Years
John Keene	KE7OND	5 Years
Mindi Mattson	K7MAM	3 Years
Shelley Stark	KF7TBA	1 Year
Correction for August:		
Theresa Edwards	KO7E	2 Years

Mike & Key ARC – Elmer Contacts – By Jim Aigner N7MU

Area	Elmer Coordinator	Email	Phone	Also
Beams and Towers	Alan Hughes, KB7SVU	kb7svu@juno.com	253-840-4947	Beam antennas and towers, safety
Contesting	Mike Dinkelman, N7WA	mwdink@clearwire.net	253-631-3756	Contest operations
CW	Mike Dinkelman, N7WA	mwdink@clearwire.net	253-631-3756	Learn CW, operating proficiency
Digital Modes	Earl Palmer, N7EP	earl_palmer@msn.com	206-818-9246	Digital modes, software, TNC's
Emergency Comm	Tim Kane, K7ANE	k7ane@arrl.net	206-251-7467	CERT, ARES, organizations & Eq't
HF Operation	Dale Tongue AC7NP	dale.tongue@gmail.com	253-948-6089	Eq't, Antennas, best HF operating practices
New Members	Dick Radford, WA7NIW	wa7niw@arrl.net	425-828-9791	Getting started, Eq't selection and operation
QRP	Frank Qualls, AB7HA	franklin_qualls@hotmail.com	425-802-1837	Low power operation, design & construction

Email Received... Opportunity to Volunteer as Comm-Operator... By Terry Dettmann – WX7S

Hams are nothing if not helpers. We volunteer to support bike rides, to help in disasters, and in many other ways. The problem for many of us such as myself is that we become disabled through one thing or another and we can't get out to volunteer any more. For those active enough to get out there, there just aren't enough opportunities to volunteer. Most are annual events and just don't give us much chance to practice our skills. There IS a way to help though, by helping local Search & Rescue.

King County has a very active Search & Rescue (SAR) organization under the auspices of the King County Sheriff's office (KCSO). Whenever someone is hurt or missing anywhere in King County, KCSO gets the call from 911 and SAR gets activated. We have units that use 4X4 vehicles, units that use horses, units that employ dogs, trackers who can follow people's winding trails, and my unit, Explorer Search & Rescue (ESAR), with the people who go out on foot in town or the back country. We also get called to help in other counties and to help during crime scene investigations. SAR is active year around, any time of the day and in any weather. There's plenty of opportunity in supporting SAR missions. That's why I NEED YOU!

ESAR has a communication unit in town that supports missions in the field and I need more people to help. The Comm Unit works in rotation as support for the Operation Leader (OL) who is in charge of ESAR's response. OLs and COMM OPs are in rotation starting each week on Thursday at 6pm until the next Thursday late 6pm. They're on call to support missions when ESAR is called out by KCSO during that week.

During the duty week, a mission might happen at any time, but most missions are on weekends. Occasionally, there are missions during the week and during the day. Comm Ops and OLs usually setup arrangements with employers to allow them to respond to the rare workday missions. Some Comm Ops setup agreements with other Comm Ops to share their duty week. Several Comm Ops are disabled and so are available to cover a duty week themselves and to cover for others on a regular basis.

So what does a Comm Op DO?

- Comm Ops are alerted by the OL when a mission is accepted and then takes over getting the mission started while everyone is enroute. This includes:
 - * Creating and sending pages to alert the membership
 - * Sending pages guiding members to the base for the mission
 - * Mapping out a route to the base to page to responders
 - * Managing the 511 SAR repeater
 - * Providing information on the group's voicemail system
 - * Recording member checkins for the mission from voicemail
 - * Providing support for members enroute such as requests for or offers of ride-sharing
 - * Providing a roster of people checking in to the OL so he or she will know who will be available.

Once people start arriving at the search base, the Comm Op provides the OL in the field with someone linked into the communication network and helps with anything needed to support the mission. I've relayed messages to KCSO, checked on things in town, answered queries about mission status so members can decide whether or not to go when they become available, and much more. The Comm Op is an essential member of every mission and I need more of them.

All you need to be a Comm Op is

- * A technician class license
- * Access to a phone
- * Access to the Internet

And most important of all, a desire to help. Sometimes our searches find people who are lost and we bring them home. Sometimes we rescue people from their folly in the field. Sometimes, we're the people who carry out those who've been injured or killed. Whatever the mission though, every one of us knows we're doing something important, helping people who need help, by applying our skills to get the job done.

If you think you might like to help, contact me, Terry Dettmann, WX7S, ESAR Director of Communications at tdettmann@gmail.com.

Pacific Northwest Hamfairs & Events

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

<u>September 22, 2012. Spokane Hamfest</u>/ARRL Washington State convention. University High School, 12420 E 32nd Ave, Spokane Valley WA 99216. *This is an ARRL sanctioned event.* For information contact Bob, AC7GP ac7gp@hotmail.com. Flyer in PDF. (104K) September 30, 2012. COMFEST. Delta Amateur Radio Society, Delta, BC. http://rac.eton.ca/events/detail.php?event_ID=1514

October 2012. Pacific Northwest VHF Society Conference. Canceled. http://www.pnwvhfs.org/

October 20, 2012. North Kitsap Amateur Radio Hamfest. Bremerton, WA. This is an ARRL sanctioned event. http://www.nkarc.org/Flyer in PDF. (243K)

October 27, 2012. Swap-Tober-Fest. Mid-Valley ARES. Polk County Fairgrounds, Rickreall, OR. Contact: Don Brusch, k7un@swaptoberfest.net . http://www.swaptoberfest.net

K/un@swaptoberiest.net . nttp://www.swaptoberiest.net

November 4, 2012. Maple Ridge Swapmeet, Maple Ridge, BC. http://rac.eton.ca/events/detail.php?event_ID=1562

<u>February 16, 2013. Salem Hamfair & Computer/Electronics Swapmeet.</u> Rickreall, Oregon at the Polk County Fairgrounds. http://www.w7sra.com.

<u>March 2013. Mike & Key Swap Meet.</u> Puyallup fairgrounds exhibition hall, Puyallup, WA. For information, contact <u>dmdink@yahoo.com</u> or <u>n7wa@arrl.net</u>. <u>http://www.mikeandkey.org/flea.htm</u>

These Workshops-Classes open to All Washington-State, FCC Licensed Hams and CERT Members Contributed by Bill Balzarini KL7BB

Location: Auburn Annex Building @ One East Main Street (3rd Floor) in Downtown Auburn WA. 98002 (206-400-1723)
Also see: http://HamShare.com

September 29, 2012 9:00AM to 5:00PM Saturday, (Lunch 12 to 1 PM) Class## 12505-FLD

FLDigi Software for multi-mode digital DATA communications WR5J Guest Presenter. Bring all of your Computers, Radios and power supplies and have lots of Fun on HF, VHF & UHF

October 06, 2012 9:00AM to 5:00PM Saturday, (Lunch 12 to 1 PM) Class # 12595-HSMM

HSMM-Mesh This works on the 2.4GHz Ham Band for a Portable High Speed EOC + Emergency ! LAN (High Speed Multi Media – Mesh) (Linksys WRT54G)

October 13, 2012 9:00AM to 5:00PM Saturday, (Lunch 12 to 1 PM) Class #12071-RPGM

Programming VHF-UHF Ham Radio HTs and Mobiles - ICS-205 State of WAshington., EMCOMM plans for the Pacific NW.

October 20, 2012 9:00AM to 5:00PM Saturday, (Lunch 12 to 1 PM) Class #12073-CW

CW Morse Code; How to Listen Ahead, Write Delayed and Build a Buffer.

Making Order out of the Noise in your Receiver Speaker. CW works when all else fails.

October 27, 2012 1:00PM to 5:00PM Saturday, Class # 12076-MATH

Math – The Art Form for you, to explore Radio and Software applications.

November 03, 2012 1:00PM to 5:00PM Saturday, Class # 12545-HPSDR

HPSDR (High Performance Software Defined Radio)

This is the direction that most Radio Equipment is headed

November 10, 2012 9:00AM to 5:00PM Saturday, (Lunch 12 to 1 PM) Class 12098R-NVIS

NVIS Antenna Workshop Great for EOC & Field Use. (for HF Bands) Come and Build one.

November 17, 2012 1:00PM to 5:00PM Saturday, Class # 12070-MSG

Message Handling, Both Paper and Digital Messages. Also DRATS Digital and the

ICS-213, ARRL Radiogram, Sneaker Net, Snail Mail, and High Speed Multi-Media RF Networking

November 24, 2012 9:00AM to 5:00PM Saturday, (Lunch 12 to 1 PM) Class # 12255-IMD

Interference to My Radio, Why, Why, Why.

IMD Spec, Towers, Antennas, Power Amps, Locations.

December 01. 2012 9:00AM to 5:00PM Saturday. (Lunch 12 to 1 PM) Class # 12072-GND

Ground and Grounding "The other half of your antenna". Vertical, Dipole, Beam, Dish, NVIS

How to use everything as an antenna in the time of Emergency. ps Bring your Antenna Matchbox.

December 08, 2012 9:00AM to 5:00PM Saturday, (Lunch 12 to 1 PM) Class # 12560-DRATS

Ham Radio and DRATS Digital for EOC Use. (Ham Radio HSMM-MESH networks for DRATS)
December 15, 2011 9:00AM to 5:00PM Saturday, (Lunch 12 to 1 PM) Class #12500-RPT

High Performance Repeater Systems designed for EOC and EMCOMM Environments,

December 22, 2012 9:00AM to 5:00PM Saturday, (Lunch 12 to 1 PM) Class # 12575-DXC

DXing, Contesting and QSLing What to do with Your New Equip.

Getting Ready for the Big One. Not all contests are Disasters.

December 29, 2012 9:00AM to 5:00PM Saturday, (Lunch 12 to 1 PM) Class #12071-RPGM

Programming Your VHF-UHF Ham Radio HTs & Mobiles, Also NW-Repeaters in WAshington.

- 73 de Bill KL7BB 206-400-1723

September 2012

M&K General Meeting Minutes

Dick Radford WA7NIW, Acting Secretary

General Meeting Agenda - 18 August 2012

Meeting was called to order at 1017 hours by the President, Robert KD7WNV.

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.

Introductions

Officer Reports:

President – Robert KD7WNV: Robert has started a membership committee to act as a contact for new members and photographing new members for inclusion in the *Relay*. Please wear either your badges or hats with your name and call at meetings.

Secretary - Ivy WA7IVY: No report.

Treasurer – Dave KB7PSN: The club's books are in good order.

Activities Manager – George AE7G: We will probably be able to get the KX3 as an end of the year raffle. At the September meeting, many folks are going to be gone so he's not certain what the program will be next month yet. In October, Fran N7FWZ will be giving a program about how to put on a Public Service event.

Chairman of the Board - Tim K7ANE: No report.

Radio Officer – Hal N7NW: The repeater has been a little quieter than before; they are making progress on resolving issues; need to schedule time with the site owner to perform some maintenance.

Quorum present. Is there a motion to approve the minutes of the previous meeting as printed in the *K7LED Relay?* Tim K7ANE made a motion to approve the minutes as amended. Dave KB7PSN seconded the motion. Motion passed.

Vice President – Kathy KB7QMO: Membership applications: Tony Jaeger KF7WBX, Michael Evans KF7WXI, Martin Grote KI7JD and Eddie DeYoung VK4AN/KF7VAB. All approved by the membership.

Relay Editor - Gary KG7KU: not present

Webmaster – Jim KD7BAT: Some changes were made on the website this month: upcoming ham classes are posted.

Standing Committee Reports:

Strategic Planning – Mike N7WA: no report.

Facilities - Daniel KL7WM: no report.

Education – Tim K7ANE: Upcoming classes: tech class at Radio club of Tacoma; ESCA/RACES is doing a tech and a general class; 2 ACES classes for EmCOMM 101 are coming up; HSMM class; Programing Handi-Talkies and Mobiles; DHS is having and ICS 300 and 400 which are not open to the public, but are open to emergency preparedness workers; APRS class; and of course, the Salmon Run will be occurring at the next month. These will be posted on the website. Our attorney advisor has recommended a book for our library on antennas and municipal codes; we have this on order.

K7LED Relay

Public Service – Robert KD7WNV: Public service events are starting to slow down. Robert reported on the incident on the RAMROD ride this year. Fran N7FWZ reported the response by the ham radio operators on scene was excellent; George AE7G mentioned that the ride and park officials also praised the work of the ham radio operators on site.

Technical – Gil W7GIL: not present.

Other Committees (as appropriate):

VE Exams – Scott AG7T: Had 20 people attend testing last month. Awarded 9 Technician, 10 General, and 1 Extra. Exams will be held today at 12:30 at the Salvation Army Building.

Flea Market - Hal N7NW/Mike N7WA: no report.

Field Day – Ivy WA7IVY: Barracks are reserved for next year; Wagon Wheel will be reserved next month.

By Laws Review - Dave KB7PSN: no report.

Logo – Jim N7MU: see Jim if you want to order logo apparel.

Picnic - Hal N7NW: We're having a picnic!

Old Business:

New Business:

Renton Antenna Regulations. There is a meeting of the Renton Planning commission on September 5th, and the issue of the cost for permits for amateur radio antenna installation will be brought up. Ivy WA7IVY is coordinating with the Renton Emergency Communication Service so that we have a united front with the city. It seems to be an area in which we have the opportunity for education with the City planners. George AE7G has written a wonderful letter to the city of Renton on behalf of the club and amateur radio operators; it will be sent after some further discussion with the RECS leadership. Ivy WA7IVY will post the meeting times on the reflector for those who are interested in attending the meeting on the 5th.

Kathy KB7QMO will be out of town next month – we need someone to stand in for her at the September meeting. If anyone is interested, please come to the next board meeting.

Good of the Order:

International Lighthouse Lightship Weekend Aug 18-19.

Salmon Run next month, the same weekend as our monthly meeting

Alligator Award -Dean N7XS still holds the alligator award.

The next Mike & Key Board meeting will be on the first Tuesday of the month, September 4th at 7:30 pm, at the Salvation Army in Renton. (Note time change)

The next Mike & Key General Membership meeting is the third Saturday of the month, September 15th at 10:00 am at the Salvation Army in Renton.

Vanndy N7EAM made a motion to close the meeting. Tim K7ANE seconded the motion. The motion was passed. Meeting adjourned at 1106 hours.

9 guests; 41 members, 27 ARRL members

Attested: Ivy Nelson-Groves WA7IVY, Secretary

M&K Board Meeting Minutes

By Ivy Nelson-Groves WA7IVY, Secretary

Meeting Held 5 September 2012

Of	ficers present		
Х	President	Robert Grinnell	KD7WNV
X	Vice President	Kathy Martin	КВ7QМО
X	Secretary	Ivy Nelson-Groves	WA7IVY
X	Treasurer	Dave Smith	KB7PSN
	Activities Manager	George Thornton	AE7G
X	Radio Officer	Hal Goodell	N7NW
Τrι	istees present		
Χ	No. 1	Mike Dinkelman	N7WA
	No. 2	Kathleen Weiss	KF7MUD
	No. 3 CoB	Tim Kane	K7ANE
X	No. 4	Gil Drynan	W7GIL
X	No. 5	Daniel Stevens	KL7WM
Ot	her officers (non-votir	ng)	
	Relay Editor	Gary Bryan	KG7KU
X	Webmaster	Jim Etzwiler	KD7BAT
Vis	itors	·	

Michael Hansen

Chairman of the Board Tim Kane K7ANE is out of town, and Robert KD7WNV called the meeting to order at 7:30 p.m.

Minutes: A motion was made to approve the minutes by Daniel KL7WM and seconded by Gil W7GIL. Motion passed.

Officer Reports:

Chairman of the Board – Tim K7ANE: not present (due to deployment for hurricane relief).

President – Robert KD7WNV: Robert brought in some equipment donated by Ilona Kellison-Bullard.

Vice President – Kathy KB7QMO: Membership application for consideration: Robert Simson (no callsign). He was approved.

Secretary – Ivy WA7IVY: Ivy will be attending the City of Renton Planning meeting tomorrow evening.

Treasurer – Dave KB7PSN: The Club's books are in order. Next month we will start discussing budgeting for 2013. We have one more donation for our meeting place this year.

Activity Manager – George AE7G: not present.

Radio Officer – HAL N7NW: There has been less noise on the repeater for the past couple of weeks. Hal believes well on our way to resolving the noise problem. There are some other issues that Hal is working to resolve. Hal is going to put a battery on the 2 meter repeater and have that set up before snows set in.

Relay Editor – Gary KG7KU: Not present. Articles are due this Friday.

Webmaster – Jim KD7BAT: The website has been updated to reflect new educational opportunities, and cleaned up the links page.

Standing Committees:

Strategic Planning – Mike N7WA: No report.

Facilities – Daniel KL7WM: Daniel has contacted the Salvation Army to help us get in contact with the parking lot owners. Jim KD7BAT mentioned that the building renovation is still awaiting permit approval by the city of Renton

Education & Training – Tim K7ANE: not present. There is a General and Technician class in Federal Way coming up (contact Daniel). Beginning 24 Sep is a Technician and General class in Brier conducted by ESCA RACES (see the education page on our website).

Public Service – Kathleen KF7MUD: not present. We are through with the bulk of the season with the exception of the MS150 and the Seattle Marathon. Committee will be meeting in October to work on the booklet for next year.

Technical – Gil W7GIL: Discussion about the estate subcommittee. He is working on one estate now and trying to get valuations for the equipment. Gil needs more participation on the committee.

Membership – Kathy KB7QMO: Duties of the committee being discussed will be to: take pictures of new members; greeting people at the door (prior to General membership meetings); liaison/sponsor for new members; contacting people who haven't been here for a while (but this necessitates a resolution to the parking situation); other items still being developed.

By Laws - Dave KB7PSN: no report.

Picnic – Hal N7NW: Good turnout for the picnic. Hal and Annie will chair the picnic committee next year. Dave KB7PSN has volunteered to make the reservations for next year.

Field Day – Ivy WA7IVY: After the September general meeting, Ivy will be reserving the Wagon Wheel. Tim K7ANE was working on finding a place to work on the tower trailer; we'll find out more when Tim returns.

Flea Market – Mike N7WA & Hal N7NW: The first planning meeting will be on the second Tuesday in October.

Old Business:

Dave KB7PSN mentioned that he has started his shift rotation at Amazon, and this may impact his ability to make it to meetings.

New business:

Jim KD7BAT or Dave KB7PSN will open up the building prior to the September General meeting since Mike N7WA won't be here.

Good of the Order:

Gil W7GIL and Hal N7NW won't be at the September meeting, in addition to those mentioned in last month's minutes.

FCC did not take any action on the issue of CC&Rs.

There being no further business, the acting Chairman of the Board adjourned the meeting at 9:05 pm.

Attested: Ivy Nelson-Groves WA7IVY, Secretary (\$\mathbf{T}\$)



M&K-K7LED Club Library

By Tim Kane - K7ANE

Library open 8:30 AM to 11:15 AM (General Meeting)
M&K Library Shop open Tue. to Sat. (www.skywaytv.net)
The Library is located 11818 Renton Ave So., Seattle WA,
Tel. 206-772-2350

Four new books have arrived for the Club Library. Based on suggestions from the members, we've acquired the ARRL's excellent set of three books on the basics of electronics, radio and antennas, along with the newest ARRL book on Software-Defined Radio (SDR). These four new books will be available to checkout at the general meeting in May:

- Understanding Basic Electronics, 2nd Edition, 2010, by Walter Banzhaf, WB1ANE
- Basic Radio, Understanding the Key Building Blocks, 2006-12, by Joel R. Hallas, W17R
- Basic Antennas, Understanding Practical Antennas And Design, 2008-09, by Joel R. Hallas, W1ZR
- The ABCs of Software Defined Radio, 2012, By Martin Ewing, AA6E

The Basic Electronics book discusses the basics of electricity, electronics, and simple circuits. Chapters cover components, DC and AC electrical circuit concepts, basic analog and digital circuits, series and parallel circuits, problem solving and applied math (by hand and calculator),

frequency, active devices, semiconductors and integrated circuits. The book also takes a look back at vacuum tubes and their applications. A good glossary of electric and electronic terms is also included.

Basic Radio looks at the development of radio from the simplest crystal sets, early simple receivers through modern superheterodyne receivers. It then looks at the parallel development of transmitters, from earliest CW sets through the evolution of voice transmission from AM to SSB. Chapters also cover power amplification, wave propagation, transmitting and receiving antennas, radiolocation and radionavigation systems, and another glossary of relevant terms. The author also looks into his crystal ball to see what the future might hold. The appendix includes several build-it-yourself projects.

The third book in the series, Basic Antennas, looks at a wide range of communications antennas, starting with the venerable diplole, and continues through both verticals and horizontals, arrays, surface reflector antennas, yagis and log periodics, and loops. Also discussed are microwave and vehicle-mounted antennas. The author discusses antenna measurements and modeling, using EZNEC software. Instructions for some easy-to-build antennas are also included

The Software Defined Radio publication is really more of a pamphlet than a book, and thus somewhat disappointing. It discusses the application of digital electronics and the road that has led to this new metamorphosis of radio and computers. However, it covers the basic concepts and suggests where the future of this new technology may take amateur radio.

We've still got some of our annual budget left for the library, and are always anxiously seeking good suggestions for editions to add to our shelves. Get in touch with me if you have a good idea. We'll order some more new books later in the year.





Ham Nets & Events - 2012 - September / October

riam Nets & Events 2012				ocpicilisci / octobei		
SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
09 1700 – NWWA-LDS Net 147.34 (Weekly) 2000 – King Co. ARES Net 147.08 (Weekly) 2015 – Kids Net 145.49 (Weekly) 2200 – NW Astronomy Net 145.33 (Weekly)	10 0545 & 1645 – Weather Net 145.33 (M-F) 1700 – Evergreen State Traffic System Net 145.19 (Daily) 1830 – WA Emerg. HF Net-ARES 3.985 (Weekly)	2000 – Seattle Red Cross Comm Team Net 147.080 (Weekly) 2000 – Snohomish Co. ACS/RACES Net 146.92 (Weekly)	12 2000 -Evergreen Intertie Gen/Tech Info Net - 145.33 (Weekly) 2000 - Educational Radio Net - PSRG 146.96 (Weekly) 2100 - NWSOAR Net 146.82 (Weekly)	13 1900 – M&K Public Service Net 146.82 (Wkly) 2000 – Computer & Packet Net 145.33 (Wkly)	14	15 1000–M&K Club Meeting, Renton 1230– M&K Ham Radio Exams, Renton. Scott- ag7t@arrl.net
16	17 1900 – Seattle ACS Net 146.90 (Weekly)1930 – PSRG Net 146.96 (Weekly) 2000 –YL Net 145.33 (Wkly)	18	19	20	Public Service: Sept 21-23 – Olympus Road Rally Contact: Lee - <u>Ki7SS</u> 360-866-0236	22 0900 – WA State Emerg. Net (WSEN) ARES HF Net 3.985 (Weekly)
23	24	25	26	27	28	29 Public Service : Autumn Leaf Festival Parade, Leavenworth WA. Contact: Liz N7ZXH hamradiosignup@seafairparademarshals.org
30	01 - OCTOBER -	M&K Board Mtg Salvation Army Bldg Renton, 7:30 pm	03	04	05	06 Public Service: Salmon Days Parade, Issaquah. Contact: Liz N7ZXH hamradiosignup@seafairparademarshals.org
07	08	09 Flea Market Mtg Dinkleman's 7 PM	10	11	Relay Articles Due 23:59:59	13
14	15	16	17	18	19	20 1000-M&K Club Meeting, Renton 1230- M&K Ham Radio Exams, Renton. Scott- ag7t@arrl.net