



*From our Club President...*

## New Committee for Membership

By Robert Grinnell KD7WNV, President

I went back through the general membership meeting minutes and counted over thirty new members joining in the past year. That seems to be a very healthy number, so I think that we are doing a good job of publicity and attracting people to the Club. But with that many new members, our ranks should be overflowing at meetings, testing the capacity of the Salvation Army hall. That is not the case.

So we are getting a good flow of new members initially joining the Club. They show up for at least one meeting, when they get voted in. Maybe we see some of them sporadically through the next year. Only a few each year will turn into active, long-term members. I want us to improve on this, and to that end, am instituting a new committee to focus on Membership.

The overall charge of the new committee will be to improve the involvement and retention of members, particularly new members. The committee may ultimately choose to perform various functions, but there are three that I would like to see it begin with:

1. Greeting: This is simple, just have a couple committee members serve as greeters at the door for 15-30 minutes prior to each general membership meeting.

2. New-member Liaison/Sponsor: Some new members come to us with some link to the Club, perhaps already knowing someone in the Club, but many do not. It can be tough joining any group from a "cold start", and, as we know, many hams are not exactly extroverts, making the process of establishing connections even longer.

In this function, the committee would work with the Vice President, identifying new members whose applications do not show that they already know someone in the Club. For each such new member, a committee member would serve as a liaison or sponsor. The idea is to give the new member a point of contact and a kind of elmer for club matters.

3. Photograph New Members and Publish in Relay: I think that this does a lot to make new members feel officially included in the Club, and by improving their recognition to existing members, will also help in establishing personal contacts. The best time to do this is when they are out in the foyer while being voted in. I tried to fulfill this function on my own a few years ago, but it is often too much for one person. Sometimes you forget the camera, and one cannot be at all meetings. With the committee, a group of persons will provide rotation and backup. I would also like to see this ultimately lead to the production of photographic membership directory (in electronic form).

As one reviews those functions, it become apparent that helping out the new committee will be relatively easy. There won't be a lot of meetings or homework. Most of what you do is at the general membership meetings, so just showing up is most of it!

Since there is no trustee liaison for this new committee, it will be necessary to name a committee chair early on, to provide leadership and organization. Please give earnest consideration to filling that role, or at least joining the committee. I am asking the Vice President to serve as point of contact for its formation, so if you are willing to serve, please contact Kathy Martin, KB7QMO.

### IN THIS ISSUE:

<i>From our Club President – Robert KD7WNV</i>	1
<i>M&amp;K Club Contact Information – K7LED</i>	2
<i>M&amp;K August Activities – George AE7G</i>	3
<i>Celebrate Our August Members – Dave KB7PSN</i>	3
<i>M&amp;K Annual Picnic – Hal N7NW</i>	3
<i>M&amp;K-ARC Elmer Contacts – Jim N7MU</i>	3
<i>Wandering – Fred W6TKV</i>	4
<i>PNW – Hamfairs &amp; Events – N7CFO on Web</i>	4
<i>Ham Workshops/Classes – Bill KL7BB</i>	4
<i>M&amp;K July General Mtg Minutes– Dick WA7NIW</i>	5
<i>M&amp;K August Board Mtg Minutes – Ivy WA7IVY</i>	6
<i>M&amp;K Reference Lending Library – Tim K7ANE</i>	7
<i>Some Free Stuff – Dale AC7NP</i>	7
<i>Ham Radio Nets &amp; Events – August / September</i>	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](http://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  
34033 33rd Ave SW  
Federal Way, WA 98023-7724  
kg7ku @ arrl.net

**Reflector:**

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

---

## Club Contacts

<b>President</b>	Robert Grinnell	KD7WNV	r-grinnell @ comcast.net	425-398-1466
<b>Vice President</b>	Kathy Martin	KB7QMO	klsmartin1 @ gmail.com	253-631-5370
<b>Secretary</b>	Ivy Nelson-Groves	WA7IVY	ivy @ wa7ivy.com	425-269-3259
<b>Treasurer</b>	Dave Smith	KB7PSN	kb7psn @ yahoo.com	425-235-5095
<b>Activity Mgr</b>	George Thornton	AE7G	GTLAW @ seanet.com	206-920-7072
<b>Radio Officer</b>	Hal Goodell	N7NW	n7nw.hal @ comcast.net	253-549-4178
<b>Trustees --</b>				
<b>No. 1</b>	Michael Dinkelman	N7WA	n7wa @ arrl.net	253-631-3756
<b>No. 2</b>	Kathleen Weiss	KF7MUD	kf7mud @ live.com	425-283-6545
<b>No. 3 (CoB)</b>	Tim Kane	K7ANE	k7ane @ arrl.net	206-251-7467
<b>No. 4</b>	Gil Drynan	W7GIL	gild @ seanet.com	425-392-1668
<b>No. 5</b>	Daniel Stevens	KL7WM	KL7WM @ arrl.net	206-228-9274
<b>VE Testing</b>	Scott Robinson	AG7T	ag7t @ arrl.net	425-788-0452
<b>Logo Committee</b>	Jim Aigner Dan Humphrey & Dawn Humphrey	N7MU N7QHC KC7YYB	jimaigner @ comcast.net n7qhc @ arrl.net	253-630-2752 206-243-0163
<b>Club Library</b>	'Toku' Okumura	AD7JA	tokuzo_okumura @ msn.com	206-772-0953
<b>Webmaster</b>	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](http://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, Email the *Relay* Editor: kg7ku @ arrl.net.

## M&K Club - August Activities

By George Thornton AE7G, Activity Manager

### August meeting: Annual Picnic

Since August is the Club picnic we won't be having door prizes or a featured speaker. Just come and have a good time. Weather promises to be marvelous so please plan to stay for the day and enjoy the sun and fun.

The September meeting conflicts with the Salmon derby and many Club members will be participating. I am therefore holding off on a major speaker for that meeting.

We are still working on the South of Sixty South people and hope to have them at the October or November meeting. Stay tuned, you will be updated.

We are very close to being able to purchase the KX3 as the yearend prize. The September meeting should put us over the top.

Hope you are having a good summer, see you at the meeting!

## Let's Celebrate Our August Members!

By Dave Smith KB7PSN, Treasurer

As of August 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:**

<b>Don Rembaugh</b>	<b>WA7KBK</b>	<b>38 Years</b>
<b>Michelle Cross</b>	<b>WB7AYU</b>	<b>37 Years</b>
<b>Rick Antes</b>	<b>KF7VG</b>	<b>23 Years</b>
<b>Al Hopwood</b>	<b>KB7THX</b>	<b>19 Years</b>
<b>Chris Antes</b>	<b>KC7YES</b>	<b>15 Years</b>
<b>John Walenceus</b>	<b>KC7WOX</b>	<b>15 Years</b>
<b>Ilona Kellison-Bullard</b>	<b>KD7MVA</b>	<b>14 Years</b>
<b>Barry Wolborsky</b>	<b>KC7YB</b>	<b>13 Years</b>
<b>Kimberly Wolborsky</b>	<b>KD7FYD</b>	<b>13 Years</b>
<b>Steven Cook</b>	<b>KD7IQL</b>	<b>12 Years</b>
<b>Jennifer Pasquier</b>	<b>* No Call *</b>	<b>11 Years</b>
<b>Richard Pasquier</b>	<b>N7MER</b>	<b>11 Years</b>
<b>Jim Aigner</b>	<b>N7MU</b>	<b>7 Years</b>
<b>Kenneth Roger</b>	<b>AD7II</b>	<b>7 Years</b>
<b>Choice Dalton, Jr</b>	<b>KD7JQB</b>	<b>4 Years</b>
<b>Theresa Edwards</b>	<b>KO7E</b>	<b>1 Year</b>

***"Let's beat the heat and have a picnic at the beach!!" ... "3rd Annual"***

**When: Saturday August 18th, 2012**

**Where: Gene Coulon Memorial Beach Park, South Shelter #2**

**Can you believe it, it's almost time for the Mike & Key Annual Summer Picnic.** And guess what, I think summer has arrived, FINALLY!! My fantastic wife, Annie, and I are again Chairing this affair.

We have the shelter from 8:30 am till 1:30 pm. However, we can continue at the park after 1:30 pm, just not in the shelter. So the plan is to arrive at 8:30 to setup. Since this is a club meeting date, the meeting will occur in the shelter at the normal time of 10 am. Arrive early for doughnuts, coffee and the normal ragchew, plus get good parking.

We will fire up the BBQ's and begin cooking at around 11:00. Hamburgers and Hot Dogs with all the trimming will be provided along with water and soft drinks. Please bring a side dish.

At 1:00 pm we will start to clear out the Shelter. Bring lawn chairs for setting up outside of the shelter area.

We will continue to have snacks and drinks till 3:00 pm or whenever we decide to break up.

There is a Bathhouse and swimming beach and areas for walks and exploring the park. Remember "NO PETS" per park rules. There is plenty of room also for lawn games. If you have a game please bring it.

I'll have a signup sheet at the July meeting. If you can't make the July meeting and are planning on attending please contact me at [n7nw.hal@comcast.net](mailto:n7nw.hal@comcast.net) or 253-549-4178. If you can bring a side dish, that would be great but not mandatory. I want to be sure we have enough burgers and dogs for all.

***Hope y'all come!!***

***Hal Goodell and Annie Rosello, Picnic Chairs***

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

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

## WANDERING – My Old Travel Companion

By Fred Roberts W6TKV

Before retiring a bunch of years ago, my morning and evening trips to and from work were always filled with an abundance of 2M conversation. Living in Riverside and working in Los Angeles always resulted in a one-hour drive to work and then back home. Fortunately, we always had a steady run of 2M conversations via the Mount Baldy repeater which is just one of the San Gabriel Mountains.

Mount Baldy was a great QTH for a repeater providing door to door communication for all of the hams traveling in a very broad area. Since it was Mount Baldy, we got to calling our group the **Best of Mount Baldy** aka The **BOMB SQUAD**. This did raise an occasional eye-brow or two, but fortunately we were never the subject of Police attention.

We had a great many hams on the repeater at the same time, and so there were many lengthy conversations covering a broad range of subjects. A year or two later, we had an influx of the new Technician class hams join our repeater group ... and so our morning conversations had many more and our gang expanded. Those were days when our repeater was really a very busy machine, and each of us got to really know a very large number of hams really well.

Moving from the past to the present, I was sitting next to a lady at a recent meeting of CNARC (Corona Norco ARC ... one of my two local clubs), and she commented on not hearing anyone on our local 2M Repeater. So, here was a brand new ham, with a brand new expensive hand-held, and no one to talk too.

On the way home after our meeting, I got to thinking about why no one uses a club repeater. It finely dawned upon me that nowadays, we all now communicate with two newer tools – 1) e-mails to and from our computer, and 2) our car cell phone. The use of these two items appear to 1) have killed or certainly seriously damaged daily use of 2M repeaters, and also 2) seriously damaged the concept of having a 2M rig in your car.

I don't see many hams with big antennas on their cars these days – lots of license plates, yes, but no antennas. It seems we might be better served if we emphasized the 10M band to newcomers rather than emphasizing the 2M band --- and maybe clubs might really benefit from lending or renting 10M gear to a newcomer for a month or so. Guess our real job is now one of getting Technicians to upgrade to General class ... and really being to see the Wonderful World of Ham Radio. It's up to us all to make this happen.

### Pacific Northwest Hamfairs & Events

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

**August 18, 2012. Northwest Citizen Corps Expo.** North Bend, WA. <http://www.nwcitizencorpsexpo.com/>

**August 19, 2012. Antique Radio Swap Meet.** Puget Sound Antique Radio Association. 9 AM to 1 PM. Shoreline Community College, Shoreline, WA 98155. Free admission. <http://www.eskimo.com/~hhagen/psara/swap.html> (Always the 3rd Sunday in August)

**August 25, 2012. Annual Clark County Amateur Radio Club (CCARC) Ham Fair, Vancouver, WA.** This is an ARRL sanctioned event. Held at the Clark County Square Dance Center, 10713 NE 117th Ave, Vancouver, WA. For more info: [clarkcountyhamfair@w7aia.org](mailto:clarkcountyhamfair@w7aia.org) or [www.w7aia.org](http://www.w7aia.org).

**August 25, 2012. Highline ARC Hamfest. Des Moines, WA.** This is an ARRL sanctioned event. <http://www.highlinearc.org/swapfest.html>

**August 25, 2012. Bozeman Hamfest. Bozeman, MT.** This is an ARRL sanctioned event. <http://www.w7ed.com/>

**September 7-9, 2012. Northwest Automatic Position Reporting System (NWAPRS) Summer Gathering.** Always the first weekend after Labor Day. Valley camp, North Bend, WA. Contact Thom [k7fzo@arll.net](mailto:k7fzo@arll.net) <http://www.nwaprs.info/>

**September 22, 2012. Spokane Hamfest/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](mailto:ac7gp@hotmail.com). [Flyer in PDF](#). (104K)

**September 29 & 30, 2012. Gallatin County Hamfest. Bozeman, Montana.** Info, [mail@gallatinhamradio.com](mailto:mail@gallatinhamradio.com). <http://www.gallatinhamradio.com/>

**September 30, 2012. COMFEST.** Delta Amateur Radio Society, Delta, BC. [http://rac.eton.ca/events/detail.php?event\\_ID=1514](http://rac.eton.ca/events/detail.php?event_ID=1514)

**October 2012. Pacific Northwest VHF Society Conference.** <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 Bruschi, [k7un@swaptoberfest.net](mailto:k7un@swaptoberfest.net). <http://www.swaptoberfest.net>

**November 4, 2012. Maple Ridge Swapmeet, Maple Ridge, BC.** [http://rac.eton.ca/events/detail.php?event\\_ID=1562](http://rac.eton.ca/events/detail.php?event_ID=1562)

*"Please email any comments, corrections, questions, etc. to n7cfo (at) n7cfo.com." I do my best to keep up with scheduling changes on these events, but there is always the chance that one will be canceled or re-scheduled and I will not find out about it. Please verify all dates and locations with the sponsor.]*

### 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 (3<sup>rd</sup> 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

- 73 de Bill KL7BB 206-400-1723

August 2012

## M&K General Meeting Minutes

Dick Radford WA7NIW, Acting Secretary

General Meeting Agenda – 21 July 2012

Meeting was called to order at 1003 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: If you are interested in having a special event station to commemorate the 50<sup>th</sup> anniversary of the Century 21 Exposition (Seattle World's Fair). Three possible times for this to take place are Labor Day weekend, during the Salmon Run, or on the last weekend of the "Next 50 Years" celebration.

**Secretary** – Ivy WA7IVY: Not here, nothing to report.

**Treasurer** – Dave KB7PSN: Thanks to Carolyn WV7Q for filling in last month.

**Activities Manager** – George AE7G: Nothing to report

**Chairman of the Board** – Tim K7ANE: Nothing to report

**Radio Officer** – Hal N7NW: Noise problems on the hill have been identified, next phase is to deal with them. A work party might be organized next month.

Quorum present. Scott AG7T made a motion to approve the minutes as amended. Gill W7GIL seconded the motion. Motion passed.

**Vice President** – Kathy KB7QMO: Membership applications: William Biehl is applying for membership, approved.

**Relay Editor** – Gary KG7KU: Not present, no report.

**Webmaster** – Jim KD7BAT: Web site has been edited to update some pages. Membership page has also been updated.

### Standing Committee Reports:

**Strategic Planning** – Mike N7WA: Nothing new.

**Facilities** – Daniel KL7WM: The City of Renton has been towing people off the lot across the street from Salvation Army. Fine and towing fees run about \$300.

**Education** – Tim K7ANE: Bonney Lake LDS is running a Technician Class, information to be on the web site. Pacific Northwest DX convention is coming up. Info at wvdx.org. Bill KL7BB announced a series of workshops/classes open to all licensed Hams and CERT members.

**Public Service** – Robert KD7WNV: Parade season is upon us. People are needed for Torchlight, July 28, come one, come all. RAMROD is coming up this Thursday.

**Technical** – Gil W7GIL: Talked about the "Silent Key Team", which will catalog equipment that families

## K7LED Relay

have left over after their Ham family member has passed away. The team will also provide the family with a list of the equipment with low, nominal, and high-end prices. After the evaluations are published, with family approval, the equipment will be available for purchase.

**Other Committees** (as appropriate):

**VE Exams** – Scott AG7T: Had 15 people attend testing last month. Awarded 8 Technician, 2 General, and 1 Extra. Exams will be held today at 12:30. Element 4 question pool is new as of this month, so if you have been using the old questions you might have to get the new information.

**Flea Market** – Hal N7NW/Mike N7WA: On Hiatus.

**Field Day** – Ivy WA7IVY: Robert reporting. Weather was an issue, but 20 and 15 were up from last year, 40 was in the 800's, GOTA had a good year, CW was down a bit from their record year. We need to make the reservation for next year in September. Receipts for Field Day expenses need to be turned into the Treasurer ASAP. There is a time limit so don't delay. Seam seals on the tents are coming loose and there has been water coming in when it rains. Work parties will be set up to repair the trailer, waterproof the tents, and other general maintenance of the club equipment. You don't have to be a club officer to participate. It would be great to have a covered area to work on the trailer. The Board is considering purchase of a shelter.

**By Laws Review** – Dave KB7PSN: Updates have been sent to the committee, waiting for input.

**Logo** – Jim N7MU: Logo apparel is available from a number of sources.

**Picnic** – Hal N7NW: Picnic will be at Gene Coulon Memorial Park, Shelter #2 in Renton at the August 18 meeting. Sign up sheets are available. Club will provide burgers and hot dogs, bring a side dish.

**Old Business:** None.

**New Business:** None.

**Alligator Award** – Dean N7XS retains the award.

### Good of the Order:

Some remarkable DX was heard on 6 meters by Hal N7NW. After Field Day he heard BC and Alberta, got up the next morning and made 57 contacts with 20 countries in Europe over a period of about 6 hours.

Chehalis tailgate party is next Saturday.

The next Mike & Key Board meeting will be on the first Tuesday of the month, August 7th at 7:00 pm, at the Salvation Army in Renton.

The next Mike & Key General Membership meeting is the third Saturday of the month, August 18th at 10:00 am at Gene Coulon park, bring a folding chair and a side dish.

Eric KE7UYC made a motion to close the meeting. Dick K7NEX seconded the motion. The motion was passed. Meeting adjourned at 11:03 hours.

Attendance: 50 members, 39 ARRL members; 9 guests.

**Attested: Dick Radford WA7NIW, Acting Secretary**

August 2012

K7LED Relay

## M&K Board Meeting Minutes

By Ivy Nelson-Groves WA7IVY, Secretary

Meeting Held 7 August 2012

### Officers present

X	<i>President</i>	<i>Robert Grinnell</i>	<i>KD7WNV</i>
X	<i>Vice President</i>	<i>Kathy Martin</i>	<i>KB7QMO</i>
X	<i>Secretary</i>	<i>Ivy Nelson-Groves</i>	<i>WA7IVY</i>
X	<i>Treasurer</i>	<i>Dave Smith</i>	<i>KB7PSN</i>
X	<i>Activities Manager</i>	<i>George Thornton</i>	<i>AE7G</i>
X	<i>Radio Officer</i>	<i>Hal Goodell</i>	<i>N7NW</i>

### Trustees present

X	<i>No. 1</i>	<i>Mike Dinkelman</i>	<i>N7WA</i>
	<i>No. 2</i>	<i>Kathleen Weiss</i>	<i>KF7MUD</i>
X	<i>No. 3 CoB</i>	<i>Tim Kane</i>	<i>K7ANE</i>
X	<i>No. 4</i>	<i>Gil Drynan</i>	<i>W7GIL</i>
X	<i>No. 5</i>	<i>Daniel Stevens</i>	<i>KL7WM</i>

### Other officers (non-voting)

	<i>Relay Editor</i>	<i>Gary Bryan</i>	<i>KG7KU</i>
	<i>Webmaster</i>	<i>Jim Etwiler</i>	<i>KD7BAT</i>

### Visitors

*Michael Hansen*

Chairman of the Board Tim Kane K7ANE called the meeting to order at 7:05 p.m.

**Minutes:** A motion was made to approve the minutes by Dave KB7PSN and seconded by George AE7G. Motion passed.

### Officer Reports:

**President – Robert KD7WNV:** Robert made a motion to move the Board meeting to 7:30 pm; George AE7G seconded. Motion passed. Robert also brought some items in that were donated by a Silent Key's spouse. Robert is working on a special event station for the anniversary of the Seattle World's Fair; he has some volunteers but can always use more.

**Vice President – Kathy KB7QMO:** Membership applications for consideration: Tony Jaeger KF7WBX; James Gregory, No Call; Michael Evans, KF7WXI. All were approved.

**Secretary – Ivy WA7IVY:** No report.

**Treasurer – Dave KB7PSN:** The Club's books are in order. All receipts for Field Day should have been submitted.

**Activity Manager – George AE7G:** No program for the August meeting (Picnic); George is concerned because many people will be gone for the September meeting; a few ideas were discussed. George also discussed the door prizes.

**Radio Officer – HAL N7NW:** Still waiting to find a good time to meet with the site owner and go up to the repeater. He has traced down the interference problem and is working to mitigate it.

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

**Webmaster – Jim KD7BAT:** Not present.

### Standing Committees:

**Strategic Planning – Mike N7WA:** No report.

**Facilities – Daniel KL7WM:** No news about the parking situation.

**Education & Training – Tim K7ANE:** Mike N7WA went to the DX Conference in Portland. Two EMCMM classes will be coming up later this fall. ESCA will be having tech and general classes this fall.

**Public Service – Kathleen KF7MUD:** There was a serious incident at RAMROD, and all reports were positive as to the Ham Radio volunteer's response. There are some parades coming up. The committee will be meeting in October to begin next year's booklet

**Technical – Gil W7GIL:** Three members of the committee went to a silent key's home and did an inventory and put it in a spreadsheet. It took a little longer than Gil had anticipated, but the process worked well. They are still working on setting fair market values for the equipment.

**By Laws – Dave KB7PSN:** Dave sent a report to the board by email. The board is still reviewing

**Picnic – Hal N7NW:** Everything is all set up, and we will be there!

**Field Day – Ivy WA7IVY:** Our points were submitted for 2012 and we did pretty well; we will see where we fall when the results are sent out in Nov/Dec. Ivy will be sending out the revised charts within the next month. We will be reserving the Wagon Wheel again in September after the general meeting. The Red Cross suggested another space that may be available for us to work on the tower trailer; Tim is also looking into other areas we may be able to use.

**Old Business:** No old business.

### New business:

Kathy KB7QMO needs someone to fill in for her in September.

An email was sent to the board concerning changes to the City of Renton's regulation of antennas. The Renton Planning Commission will consider changes to the City's existing amateur radio antennas at a public hearing tentatively scheduled for September 5<sup>th</sup>. The meeting starts at 6:00 pm on the 7<sup>th</sup> floor and the antenna hearing will be a part of that meeting at some point. If you live in Renton, you may consider attending. There was some discussion on this matter.

### Good of the Order:

The following board members will not be attending the September general meeting: Kathy KB7QMO; Mike N7WA; Robert KD7WNV; Tim K7ANE.

There being no further business, the Chairman of the Board adjourned the meeting at 8:35 pm.

**Attested: Ivy Nelson-Groves WA7IVY, Secretary** ☺



## M&K-K7LED Club Library

By Tim Kane – K7ANE

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, 2<sup>nd</sup> Edition, 2010, by Walter Banzhaf, WB1ANE**
- **Basic Radio, Understanding the Key Building Blocks, 2006-12, by Joel R. Hallas, W1ZR**
- **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 dipole, 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.



### Some Free Stuff -- Dale Tongue AC7NP

*I just took down a 60' rohn tower that had some good aluminum on it, good to be used for building 2m, 6m, and/or 440 antennas if you want to advertise it for club members only. It used to be an MATV system, and I got the antennas. If someone wants them, I want them to take it all. They will need to take the good aluminum along with the bad. AC7NP -- 253-948-6089.*

# Ham Nets & Events – 2012 – August / September

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
<b>12</b> 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)	<b>13</b> 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)	<b>14</b> 2000 – Seattle Red Cross Comm Team Net 147.080 (Weekly) 2000 – Snohomish Co. ACS/RACES Net 146.92 (Weekly)	<b>15</b> 2000 – Evergreen Intertie Gen/Tech Info Net – 145.33 (Weekly) 2000 – Educational Radio Net – PSRG 146.96 (Weekly) 2100 – NWSOAR Net 146.82 (Weekly)	<b>16</b> 1900 – M&K Public Service Net 146.82 (Wkly) 2000 – Computer & Packet Net 145.33 (Wkly)	<b>17</b>	<b>18</b> 1000–M&K Club Meeting, Renton 1230– M&K Ham Radio Exams, Renton. Scott- <a href="mailto:ag7t@arri.net">ag7t@arri.net</a> Public Service: Celebrate Shoreline Parade. Contact: Liz N7ZXH <a href="mailto:hamradiosignup@seafairparademarshals.org">hamradiosignup@seafairparademarshals.org</a> Public Service: Seattle Children's Hospital Covey Run. Contact: Khris - <a href="tel:206-987-6704">KB7FHQ 206-987-6704</a> .
<b>19</b> Public Service: Danskin Triathlon, Seattle. Contact: Liz N7ZXH <a href="mailto:hamradiosignup@seafairparademarshals.org">hamradiosignup@seafairparademarshals.org</a>	<b>20</b> 1900 – Seattle ACS Net 146.90 (Weekly) 1930 – PSRG Net 146.96 (Weekly) 2000 –YL Net 145.33 (Wkly)	<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b> 0900 – WA State Emerg. Net (WSEN) ARES HF Net 3.985 (Weekly) Public Service: Summer Challenge Bike Ride. Contact: Craig - AAC7BV 206-780-5585.
<b>26</b> Public Service: Summer Challenge Bike Ride. Contact: Craig - AAC7BV 206-780-5585	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>	<b>31</b>	<b>01</b> – SEPTEMBER –
<b>02</b>	<b>03 Labor Day Holiday</b>	<b>04</b> M&K Board Mtg Salvation Army Bldg Renton, 7:30 pm	<b>05</b>	<b>06</b>	<b>07</b> Relay Articles Due 23:59:59	<b>08</b> Public Service: Lighthouse Festival Parade, Mukilteo. Contact: Liz N7ZXH <a href="mailto:hamradiosignup@seafairparademarshals.org">hamradiosignup@seafairparademarshals.org</a> Public Service: Bike MS: Washington Ride. Contact: Dan - KC7UVK 425-776-3722
<b>09</b> Public Service: Bike MS: Washington Ride. Contact: Dan - KC7UVK 425-776-3722	<b>10</b>	<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b> 1000–M&K Club Meeting, Renton 1230– M&K Ham Radio Exams, Renton. Scott- <a href="mailto:ag7t@arri.net">ag7t@arri.net</a>