



From our Club President...

M&K Prep: Budget & Planning

By Ivy Nelson-Groves WA7IVY, President

Happy Fall!

Another month has come and gone, and we are well into our typical Northwest fall weather. Less light in the evenings make for treacherous travel. Be careful out there, and I'm hopeful everyone is ready for the storms that inevitably will come our way.

Although the date has passed by the time of the General Meeting, I'd like to take a moment to thank all of you who have served in the Armed Forces, and the families that have supported their service. Your sacrifices for your country in the furtherance of freedom deserve celebration. **Happy Veterans Day** to you all.

We had a great **Work Party** a few weeks back and removed all the tower sections, decking, wiring and winch from the tower trailer in preparation of having the trailer sandblasted and coated. Once this work is complete, we will replace the decking, and our tower trailer should be good for years to come. Thank you to Tim K7ANE and Alan KB7SVU for all your help in this project!

Flea Market preparations have begun, and soon you should receive your invitation to sign up for your shift(s) at our major fundraising event of the year. We should be stuffing envelopes at our General Meeting. Remember, our Flea Market keeps our dues low and funds all of our club activities. We need everyone's help to put on the best flea market and electronic show in the Northwest!

Speaking of funds, the board has started reviewing the **Budget** for next year. It doesn't appear that we will have any major changes from this year's budget, but now is the time to contact the board if you have something that you want included. We vote at the General Meeting in December to approve the budget by an up or down vote. So if you have any suggestions, now is the time to be heard! My thanks to Dave KB7PSN for all his hard work during the budgeting process. He does an awful lot of work behind the scenes and I appreciate his efforts.

The **Seattle Marathon**, probably one of the biggest public service events of the year is coming up the weekend after Thanksgiving. In early December, the **Special People's Cruise** is held, and also needs volunteers. If your schedule permits, these are two very worthwhile volunteer events. I encourage ya'll to participate. :-)

I think that's about all to report for now. See you on the 15th... **Go Hawks!**

Public Service Opportunities:

—November—

22 1000 & 1400- **Marathon Briefing** at Fran Underwood's: 7065 121st Pl. SE, Newcastle, 98056

23 1000 & 1400- **Marathon Briefing** at Fran's

24 1900- **Marathon Briefing** at Fran's.

29 **Kid's Marathon & 5K Run.** Contact: Laura Kozma – seattle_marathon@kozmafamilly.net .

30 **Seattle Marathon.** Contact: Laura– seattle_marathon@kozmafamilly.net 509-860-6777.

—December—

07 **Special Peoples Cruise, Seattle** – Contact: Richard Radford wa7niw@arrl.net .

IN THIS ISSUE:

From our Club President – Ivy WA7IVY	1
Public Service Opportunities – from Calendar	1
M&K Club Contact Information – K7LED	2
M&K Club November Activities – Peter K4PNG	3
M&K November Meeting Door Prizes – Peter K4PNG	3
M&K FM-15 Prep: Flyers Galore! – Mike N7WA	3
M&K Radio Officer Report – Hal Goodell N7NW	3
M&K Membership Committee Report – Rita KD7CNU	4
Jack Burrell, N7ZS has passed on – Mike N7WA	4
Jack Burrell / N7ZS, Silent Key – Dave KB7PSN	4
M&K FM-15: VolunteerSpot – Mike N7WA	5
News & Notes – M&K Club Emails	5
Photo's From Club's October Meeting – Gary KG7KU	6
Celebrate Our November Members! – Dave KB7PSN	6
December Means SA Bell-Ringing – Jim KD7BAT	6
PublicService: Veteran's Day Parade – Gary KG7KU	7
2014 Seattle Marathon Comm – Laura Kozma	8
Can't Win If You Don't Enter! – Scott KC7UOC	8
M&K October General Meeting Minutes– James WQ7H	9
M&K November Board Meeting Minutes – James WQ7H	10
M&K Library Resources– Tim K7ANE & Toku AD7JA	11
PNW–Hamfairs & Events – Lynn Burlingame N7CFO	11
Ham Radio Nets&Events – November/December/January	12



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
kg7ku @ arrl.net
253-279-3949

Reflector:

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

Club Contacts

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	Dawn Humphrey	KC7YYB		
Club Library	'Toku' Okumura	AD7JA	ad7ja @ msn.com	206-772-2450
Webmaster	Jim Etwiler	KD7BAT	kd7bat @ arrl.net	425-788-7887

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

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

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

E-Relay – Help the Club save on printing and postage, send Email to the *Relay* Editor: kg7ku @ arrl.net .

M&K Club - November Activities

By Peter Glaskowsky K4PNG, Activities Manager

— Craig Fugate KK4INZ —

While we're stuffing envelopes with Flea Market flyers, we'll show the videotaped ARRL National Centennial Convention keynote speech from FEMA Administrator Craig Fugate, KK4INZ. In December, we'll have our annual Christmas party after the meeting, along with our year-end prize drawing.

Please send your ideas for future program topics to me at k4png@arrl.net or just post them on the MKARC Yahoo group.

M&K November Door Prizes

By Peter Glaskowsky K4PNG, Activities Manager

Our November door prizes include a digital multimeter, a soldering-iron cleaner, and a small tub of assorted hardware, grounding straps, rubber feet, and other odds and ends. There's also ten feet of 14-gauge zip cord, a set of alligator clips with ring terminals, a coax stripper, a USB AC power adapter, and a USB Type B cable, plus another two of those Motorola mobile antennas tuned for the old 800-MHz cellular band (note that the whips can be retuned or replaced).

Remember, this month's tickets are also eligible for the end-of-year drawing, which will be held during the club's Christmas party following December's meeting. Our big prize will be an Elecraft KX3 portable HF/VHF transceiver (the box is shown below, but is NOT part of this month's drawing!), with a very nice second prize of a Bird wattmeter that was recently donated to the club.



M&K FM-15 Prep: Flyers Galore!

By Michael Dinkelman N7WA

It's November. That means, at the Club meeting, we will be stuffing, sealing, and labeling 12,000 flyers. Fortunately, this year, we shouldn't have to do it outside in the back of my truck. Here's the plan for 2014, we are going to try and be a bit more organized in the effort.

The 2-3 rows of tables along the south side of the room will be doing stuffing. The stuffed envelopes will then move to the middle rows of tables for labeling. Finally, the last row of

Flyers Galore! (from previous column)...

tables will be doing sealing. Sealing is done with a small water bottle and requires a bit of finesse. Too much water and the envelope is soaked. Too little and the envelope doesn't seal. We only have a limited number of water bottles so there will be a limited number of people doing sealing.

The main goal is to stuff and label. Sealing can be finished off-site if we don't get it done at the Club meeting. I'll have a few helpers keeping the flow moving. Please pay attention to the following:

Please try to get only one flyer in each envelope. We also get envelopes with NO flyers.

Labeling is broken up by 5 digit ZIP codes. When a zip code is completed, the packet is banded with a rubber band and the packet is counted and the count is written on the back of the last envelope. The labels must be placed on the envelope within the indicated box. It's important the labels be placed STRAIGHT. If you are labeling, please align the labels with the edges of the box and do not cover the "Current Resident" text. You would be amazed, or maybe not, at the postal regulations specifying the placement and structure of mailing labels (if you want the discounted rate). Sometimes it's easy to get going a little too fast and get sloppy. Better to not get it all done then to get sloppy. We have until the end of December to get the envelopes finished up. The club meeting just gets us a good start on the job. (And I think people enjoy the couple hours of chatting and working.)

I'll be opening up the Salvation Army Building at 8AM. We can start working as soon as I get the stuff carried in. We will get kicked out by the VE's so we need to call it quits by noon. Last year, we pretty much did it all except for the sealing even with working outside the first hour or two.

M&K Radio Officer Report

By Hal Goodell N7NW, Radio Officer



The weather was great on Friday Nov 7th, so I took the opportunity to take a quick trip to our repeater site on East Tiger Mountain to check the status of the repeater. The road up to the site was very clear with very few pot holes (not the norm) and not very muddy after all rain we have had. This is good as it will make access to the site very easy, at least until the snow flies.

The 146.82 and the 224.12 K7LED repeaters both checked out very well. I did a visual check of the antenna installation from the ground and all looks good. I took a couple of pictures of the site for this report. The K7LED antennas are the two located on the left side of the picture.

As a reminder, as we enter the winter months and have the prospect of power outages, the two meter repeater does have battery backup. When power is lost our repeater will reduce its output power by 50%. A message will be appended to the repeater ID indicating we are on BATTERY POWER. Please be cognizant of this and limit your repeater usage so that the repeater may remain on the air as long as possible in case of an emergency need for the repeater. Our batteries should last about 72 hours with limited usage.



Currently the 220 repeater does not have battery backup, however it is being planned and perhaps we can get that accomplished soon. Live camera feed: <http://www.wa7hjr.org/>.

M&K Membership Committee Report

By Rita Danielson KD7CNU



Our committee is growing and this is a busy time of year. Following the general meeting and program, we met at the Hacienda Santa Fe in Renton. Newly remodeled, new owners/management and good food.

We discussed the December general meeting program which will be the Christmas luncheon. Our December meeting will be December 20. We will be having Subway giant sub sandwiches, vegetable trays, cookies, and beverages. Please plan on attending and bring your families. We will be having an Ugly Sweater contest again this year as well as some blind contests. That is to say, committee members will be handing out tickets to exchange for prizes to those that are the best in whatever category they are judging for. You won't know what you're winning, until the end. It will be fun. Think Christmas.

We are also planning the Awards banquet. More details as we get closer to the event. Please make plans to attend. You won't be disappointed.

As you know, K7LED will be celebrating our 40th anniversary with Field Day at Fort Flagler State Park. We would like your input, help in designing a T-shirt commemorating the event. There is a T-shirt template in this edition of the Relay for you to use if you wish.

[Ed.Note: the template has been posted to the M&K Website- http://mikeandkey.org/other_images/T-shirtTemplate.pdf. There is a web page describing the competition at http://mikeandkey.org/Tshirt_design.htm.

And there is a link on the home page at <http://www.mikeandkey.org/index.html>.

- Jim - KD7BAT, M&K Webmaster.]

We will be using the 3 color-3 font layout. No limits on how many designs you can submit. If you wish to do a front and back T-shirt, that would be fantastic. We will collect your ideas at the December and January meetings. The Committee will decide on 3 finalists and the club membership will choose from those at the February meeting. So get your fashion design wheels moving.

Our meeting was well attended with 9 committee members and 5 visitors: Gary Bryan—KG7KU, Monica Cook—KF7QLX, Ric Danielson—K7RIC, Rita Danielson—KD7CNU, Rachele Gill—KF7QCN, Kathy Martin—KB7QMO, Ivy Nelson-Groves-WA7IVY, David Smith—KB7PSN, James Wraalstrad—WQ7H, Visitors: Liz Budbill—N7ZXH, Robert Grinnell—KD7WNV, Ryan Martin—N7TNI, Chris Robinson—KF6NFW, And Joan Wraalstrad—no call.

Please feel free to join us at our next meeting following the November 15th general meeting. Hacienda Santa Fe, 811 S 3rd, Renton. 73/88's— Rita KD7CNU

Jack Burrell, N7ZS has passed on to become a Silent Key

By Michael Dinkelman N7WA

Jack has been in failing health for a number of years and after a couple recent falls, experienced a quick decline and passed early this week. Chuck N7BV had visited him on Sunday and mentioned that Jack didn't have long to go.

Jack was a 34 year member joining the Mike & Key in September 1980.

When I first met him, he was KB7ZS. He guided me when I foolishly volunteered to be Activity Manager and had NO idea on how to organize a Club Banquet. He was an active member until hip problems made travel difficult. For many years, he made most Club meetings, helped at the Flea Market, and attended Field Days in his RV.

He served on the Board as Treasurer and was awarded the Club's highest honor, the Pop Brown Award, in 1990. Jack retired from the Navy (as a pilot, I believe), worked for the Forest Ridge School as an accountant, and even drove a school bus in retirement. The Mike & Key benefited from the use of that school for a number of celebrations. Per his wishes, there will be no memorial.

Jack will be interred at sea by the Navy.

Rest in peace Jack ...-.-

Jack Burrell / N7ZS, Silent Key

By David Smith KB7PSN

Combining information from his club bio written for the April 1992 Relay, FCC database, discussion with wife and friends, and viewing club web site, John Thomas Burrell, aka Jack Burrell, was born in Seattle, and raised in Montana where he entered the Navy in 1946. After 22 years flying with the Navy, he retired in the Seattle area in 1968.

When Boeing shut down in '69, Jack returned to school and received a degree in accounting in 1972. Varied positions led to Forest Ridge School where he was the business manager until he retired in 1986. He was foot loose, more or less, since then.

Jack first became interested in amateur radio and was licensed in 1978 as KB7ZS, an Advanced class license. He upgraded to Extra class and has held vanity call sign W7JTB for a while, until finally obtaining N7ZS vanity call for some time.

At his home in Bellevue, Jack worked primarily the HF bands doing primarily traffic handling, some DXing, and minor contesting. Field day was a high point in his radio activities. While mobile, Jack occasioned to monitor 6M, 2M, and 220.

Jack joined the Mike & Key in 1980, has served many officer positions – Trustee, Treasurer, and President. He was the recipient of the MVP Field Day Award in 1991 and was awarded the Pop Brown Award in 1990.

My personal experience with Jack was in handing over some of the reins as new Treasurer. He and Carolyn / WV7Q were on my Finance Committee until recently when he was replaced by Daniel / KL7WM.

Jack became a silent key on October 12, 2014. He was 85. He and his wife, Dodie, were married for 62 years. They have 2 Daughters and 2 Grand Daughters.



M&K FM-15 Sign-Ups: VolunteerSpot

By Michael Dinkelman N7WA

In an attempt to make the signup process a bit easier and transparent, we will be continuing to use the online signup tool - VolunteerSpot.com.

You CANNOT go to VolunteerSpot.com and find the Mike & Key Fleamarket signup sheet (though you may want to go there and look over the site). There are some demo signup tutorials as well. You have to be invited by the organizer (me N7WA) through email. The email will have an exclusive link for you and it cannot be used by another person. To signup, you will have to provide a name and either an email address (preferred) or a phone number. The email is preferred by me because I can send you a reminder of your schedule come March. It doesn't even have to be the same email that you received your invitation with. Make sure you uncheck that one box about offers unless you want spam. Otherwise, I have never received any in two years of using this tool.

When you go to use the tool, you will find a calendar with the two days of the event – March 6th and 7th. For each day, there is a list of shifts and jobs. The list is ordered by time. Each shift has a limited number of positions that can be signed up for. You can (and I hope will) sign up for multiple shifts and or jobs. Some jobs (VE/Registration) should only be signed up for if you have coordinated with the Chairperson. These Chairs do their own scheduling and those signups are really only there for tracking and to help produce badges.

If there are questions, please feel free to contact me direct at n7wa@arri.net. By the way, the interface has changed a bit this year so expecting a different layout. Hopefully, it will be EASIER to use.

News and Notes

'Hal Goodell' n7nw.hal@comcast.net [mkarcboard]... on Email...

Al was a pretty active member quite a while ago. I had seen him recently at our annual flea market. -Hal, N7NW

From: Ken Rau, K7YR **Sent:** Wednesday, October 22, 2014 10:25 AM **Subject:** AL WA7TIB

In a visit with Jim W7GPW he mentioned the passing of our past president Al Wa7tib several months ago. -Ken

Michelle Baskett... on Facebook... Tacoma, WA · Out of the blue. today I received an award from the ARRL for 9th place over all in the 2013 November sweepstakes contest. ssb,qrp.

FMLowell... on Email...

A friend of mine, Walt Zabawa WB7NVN, has some ham radio gear he wants to sell, so I thought I would help him out a little and ask you to list it in the Relay. The equipment he has to sell is as follows:

1. Kenwood TS700 all mode transceiver -- \$180.00
2. Yaesu 980 all band transceiver -- \$700.00
3. Henry Radio Tempo 1 all band transceiver with aux. VFO VF1 -- \$350.00

"I am not locked in on these prices but I am not going to give them away. I also have an Icom 230 that I will throw in to someone for free." – per Walt.

The above is as he sent it to me. Here is Walt's contact info: HM 360-652-3988, Cell: 425-879-7272, E-mail: waltkathyz@yahoo.com. Walt lives in Marysville. Anyone interested or has any questions about the listing should contact Walt directly. I don't know anymore than what is listed above. Thanks Gary and 73, Fred Lowell N7PZ

KL7WM @ aol.com... On Email... 11/08/2014 (Photo courtesy of Bill Balzarini KL7BB)

The Extra Class finished on November 8, 2014 and produced 27 New Extra's and on with a CSCE for Element 4. 3 walk-ins got their Technician license. 12 Extras missed 4 or less and 22 missed 7 or less. I have never seen a class like this for Extra..

It was a fun class to teach with Dustin KF7FK, and to test.

Daniel Stevens KL7WM, Training Coordinator, ARRL Liaison VE



Greg Pietrucha – on Email... Wow! M&K Field Day 1971... Ran into Pete K7PP on AM a while back, followed him on YouTube, came across this. Look fast only 24 sec.

<https://www.youtube.com/watch?v=5EqR741mpM&index=50&list=UUwRV-SUZJmlpQrZiVAXM9jA>

73 – Greg W7HRC

Note received from Dan Humphrey N7QHC: "The Chief Seattle Chapter of 10-10 International Nets announces a change in the Local Nets... to Monday 9:30am Local and Thursday 8pm Local on 28.430. All Amateurs are welcome."

M&K Photos From Our October General Meeting

By Gary Bryan KG7KU



President Ivy WA7IVY began the meeting with a moment of Silence in remembrance of Jack Burrell N7ZS – SK.



Michael Dinkelman N7WA presented a program to review the challenges faced during his experience with the Curacao 2013 DX competition.

Celebrate our November Members!

By David Smith, KB7PSN, Treasurer

As of November, 2014, these folks have been Mike & Key members for the number of years stated. Congratulations to all of you, and thanks for your participation and service.

Happy Anniversary this month!
Each of you makes us who we are.

Richard Bridges	N7YOB	22 Years
Gil Drynan	W7GIL	21 Years
Joe Langjahr	KJ7DG	20 Years
Fred Roberts	W6TKV	19 Years
Ronnie LaFerla	KC7UFS	17 Years
Dick Radford	WA7NIW	14 Years
Dave Mackin	KB4ERF	13 Years
Hideki Saito	WU7J	12 Years
Adam Koczarski	K3ARK	9 Years
Tim Kane	K7ANE	8 Years
Robin Carter	WA7BRI	4 Years
David E Tebrink	K7NZU	4 Years
Charles Graff	K7CHV	3 Years
Don Heaverlo	KF7ZED	2 Years
John Robson, Jr	AC7LK	2 Years
Jack Jensen	K7JMJ	1 Year
Thomas Taylor	KG7CFC	1 Year

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

Reminder – December Brings Salvation Army Bell-Ringing

By Jim Etwiler KD7BAT



Each year, the M&K Club participates in the Bell-Ringing campaign in support of the Salvation Army. Typical locations are: Renton Fry's and Renton Wal-Mart.

Renton Fry's has been assigned to other groups. Renton Wal-Mart, Renton Sam's Club, and Renton Fred Meyer are available.

So... stay tuned for specific date & time information on the Club Reflector!

Or contact Jim at KD7BAT@ARRL.NET.

Public Service: Veteran's Day Parade – Auburn, WA – November 8, 2014

By Gary Bryan KG7KU

The City of Auburn hosted over 200 Units, including 30 High School Bands on this day in observance of Veteran's Day, which officially is observed on Tuesday, November 11.

Amateur Radio support was abundant, through the Seafair Parade Marshals organization as well as Auburn's Emergency Management Team.

"Thank-You" for all those who have served and those who continue to serve our Country.



Email received from Laura Kozma...

**Important Volunteer Sign-Up Info for the 2014 Seattle Marathon Communications
Seattle Marathon is November 30th.**

Fran Underwood has chosen to pass on the recruitment and assignments for SM to Matt and Laura Kozma. Fran is still working directly with the SM Director and the committee. We're a team!

We could really use your help. We've appreciated all that you've done in the past and hope to have you out with us again this year! **Please go to this link: <http://fmp.triple8.net/?FMlogin=nh27w1208sJpNmbjBMCWCUC>, and fill out your contact information for us.**

We would greatly appreciate it if you would go to the link above to fill out a profile form and RSVP. If you can, or even if you cannot assist us this year, it would help us compile information and assignments much more efficiently. There is a check box to tell us if you can assist us this year-for the races on the 29th or Marathon on the 30th, or if you'd like to be kept on our list for future years.

All information you put in is private. Only Fran, Laura, Matt and our Database developers would have access. We value your privacy as much as we value ours. No information is shared. In the future we intend to use this database also for RAMROD and other event we support. This way we update your contact info in only one place.

It is required that you come to one of our many briefings. They are scheduled for:

November 22 (Saturday), 10a.m. or 2p.m.

November 23 (Sunday), 10a.m. or 2p.m.

November 24 (Monday), 7p.m.

The meetings are held at Fran Underwood's home: 7065 121st Pl. SE, Newcastle, WA 98056

At the briefing you will be given your packet, with information on your assignment, start times, etc. If you don't pick up your packet at one of the meetings, we will follow up with you!

We also have need of a Comm Van for the net controls. Fran's RV will not be used, and as we live in East Wenatchee, there is a possibility of road conditions that could limit our RV's arrival. Please alert us to any options you know of!

If you have any questions, please send them to: seattle_marathon@kozmafamilly.net (it will go to both Matt and Laura). **By working this event, you support numerous charities. Thank you; we hope to see you again this year!**

-- Laura Kozma - Cell: 509-860-6777

You Can't Win If You Don't Enter!

By Scott Castonguay KC7UOC

After last month's meeting I was asked by several people ask me to write up a short article for the newsletter about how I came about to win the AmateurLogic.tv 9th anniversary contest this year (sheer luck!).

I've been a fan of what's called Podcast for several years; these are audio recordings of radio shows that you download and then listen to them later. As the internet and technology grew over the years, more and more niche radio shows started to show up and quickly TV style shows arrived as video cost came down, just check out YouTube.

I found the show 'Ham Nation' online (<http://twit.tv/show/ham-nation>) since they cover miscellaneous subjects about ham radio with several hosts including Gordon West WB6NOA and George Thomas W5JDX. George Thomas also hosts a video show called 'AmateurLoic.tv' (<http://www.amateurlogic.tv>) which covers more of the building side of Ham Radio among others stuff (like his recent trip to ICOM America).

During one show they mentioned the contest they have to celebrate the AmateurLogic.tv anniversary and give away a Ham Radio station. What I liked about it was that it's just one entry person, no one per day entry, or other things to do, just fill out the information and send it in...so I did. You can't win if you don't enter. So over the years, I've entered, never expecting to win.

Well, I get this email from George and he wants to set up a time to speak to me and I'm thinking what this is about.....oh yea!

If you want to see the show, its number 71, they talk about small balloon tracking from Australia, setting up internet remote control of your home station and using Arduino Uno clone. At about the 51 minute mark they start to talk about drawing for this year's prizes – IC7100 HF/VHF/UHF with DStar, Little Tarheel HD antenna (40-6m), Ameritron SDC-104 Auto Tuner a Comet Broadband VHF/UHF antenna and the antenna mobile mounts. The used a program called Random.org and I was number 1360, so there was a bunch of luck in my winnings!

So keep an eye out for around the beginning of August 2015 for the announcement of the next drawing.

73's - Scott Castonguay **KC7UOC**, **CN86sx**, **Pierce County, Roy, WA 98580**



M&K General Meeting Minutes

By James Wraalstad WQ7H, Secretary
Meeting held October 18, 2014

The meeting was called to order at 10:00 by the President, Ivy WA7IVY.

Pledge of Allegiance.

Member and Guest Introductions.

Announcements:

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

Jack Burrell N7ZS, a longtime member, former treasurer and a Pop Brown award winner is a silent key.

Officer Reports:

President - Ivy WA7IVY: Posted a thank you letter form Jim Pace K7CEX for the donation to the ARRL. The club received 3 CW training tapes from Richard Hevron which will be placed in the lending library. Sam Sullivan sent an ARES email letter regarding the public service efforts of Tim Kane K7ANE and Robert Grinnell KD7WNV.

Secretary - Jim WQ7H: No Report

Treasurer - Dave KB7PSN: The books are in order. The budget for 2015 is in development and will be voted on at the December Board Meeting. If you have any items to address, please join us at the November Board Meeting or contact a board member.

Activity Manager - Peter K4PNG: Raffle tickets are for sale. An Elcraft KX3 will be the grand prize at the end of the year.

Chairman of the Board - Monica KF7QLX: No report

Radio Officer - Hal N7NW: Everything is working fine.

Vice-Président – Rachele KF7QCN: *A quorum was present.* Three certificates were presented. Ted Van Tuyt N7HKL for 5 years, John Saunders KD7UI for 10 years, and Mike Foster KM7F for 20 years.

Monica KF7QLX made a motion to approve the minutes as published on the web site. Gil W7GIL seconded and the motion carried.

Editor Reports:

Relay Editor - Gary KG7KU: Thanks to everyone for their contributions.

Webmaster - Jim KD7BAT: No report.

Committee Reports:

Membership - Rita KD7CNU : Membership Committee meets today. Work is continuing on the Christmas party and awards banquet. A Tee shirt celebrating 40 years of the Fort Flagler Field Day event is being designed.

Facilities Daniel KL7WM: New keys are being distributed by the Salvation Army.

Education and Training - Jim K7JGM: Opportunities are posted on the web site. Daniel KL7WM: Technician class will be held in Ballard.

Public Service - Robert KD7WNV: Veterans Day parade is coming up. Seattle Marathon is coming at the end of November. There is an article in the relay. 130 hams are needed. There is an online sign up. The Special Peoples Cruise is the following Sunday in December. Work is beginning on the Public Service booklet for 2015.

Technical and Special Interest - Gary KF7TBC: No report.

VE Exams - Scott AG7T: 12 test 7 tech 3 gen 1 extra. Daniel KL7WM had 27 technician exams passed.

Flea Market – Hal N7NW: The next meeting for the flea market will be the second Tuesday, December 9th. Mike N7WA : The volunteer online email invitations will be going out in the next few weeks. About 120 people are needed for the flea market. We will be stuffing envelopes with the flyers at the November general meeting.

Field Day - Ivy WA7IVY: We are planning a work party November 1st at 10 am to disassemble the trailer at Alan KB7SVU's House. This is to prep the trailer for sandblasting and coating. We need 4 to 6 people.

Logo Committee - Jim N7MU: If you would like clothing with the club logo, see Jim. Club name badge requests should go to Dan N7QHC.

Old Business: None

New Business:

Alligator Award: Dean N7XS continues to hold the plush pet.

For the good of the order:

Scot KC7UOC won an Icom 7100 from Amateur Logic podcast.

Tim Kane K7ANE is looking for a helicopter drone for a project.

Alan Hughes KB7SVU has 5 antennas and Rohn 25 foot towers sections for sale.

The next Mike & Key Board meeting will be on the first Tuesday of the month, November 4th, at 7:15pm at the Salvation Army in Renton.

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

Dick W7INK made a motion to close the meeting and was seconded by Monica KF7QLX. The motion passed. The meeting was adjourned at 10:38 hours.

Guests	4
Members	60
ARRL Members	49

Attested: James Wraalstad WQ7H, Secretary



M&K Board Meeting Minutes

By *Jim Wraalstad WQ7H, Secretary*
Held 4-November-2014

Officers present:

<i>X President</i>	<i>Ivy Nelson-Groves</i>	<i>WA7IVY</i>
<i>X Vice President</i>	<i>Rachelle Gill</i>	<i>KF7QCN</i>
<i>X Secretary</i>	<i>Jim Wraalstad</i>	<i>WQ7H</i>
<i>X Treasurer</i>	<i>Dave Smith</i>	<i>KB7PSN</i>
<i>X Activities Manager</i>	<i>Peter Glaskowsky</i>	<i>K4PNG</i>
<i>X Radio Officer</i>	<i>Hal Goodell</i>	<i>N7NW</i>

Trustees present:

<i>X No. 1</i>	<i>Jim Monson</i>	<i>K7JGM</i>
<i>X No. 2</i>	<i>Monica Cook</i>	<i>KF7QLX</i>
<i>X No. 3</i>	<i>Gary Anderson</i>	<i>KF7TBC</i>
<i>X No. 4</i>	<i>Tim Kane</i>	<i>K7ANE</i>
<i>X No. 5</i>	<i>Daniel Stevens</i>	<i>KL7WM</i>

Other officers (non-voting)

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

Visitors:

<i>Major Potter</i>	<i>Salvation Army</i>
<i>Michael Hanson</i>	<i>KG7MX</i>
<i>Michelle Cross</i>	<i>WB7AYU</i>

The COB Monica KF7QLX called the meeting to order at 7:12 p.m. Peter made a motion to approve the August board minutes as amended. Tim seconded. The motion passed.

Reports:

President Ivy WA7IVY: No Report

Vice President Rachelle KF7QCN: There was one application, Michael Metro AE7QZ. The application has been recommended to the general membership for a vote.

Secretary James WQ7H: A thank you letter to Richard Hevron for the CW practice tapes was sent.

Treasurer Dave KB7PSN: The books are in order. The signature cards have been updated for checking account. Relay expenses and the post office rental have been paid. The rental for the website is due in December.

Activities manager Peter K4PNG: KX3 has been received for the end of the year door prize. Tim K7ANE made a motion to use a Bird Watt Meter for an end of year prize. Jim Monson seconded. The motion passed.

Radio Officer Hal N7NW: Everything is working fine. Frequency Coordination for the clubs repeaters has been submitted for renewal.

Relay editor Gary KG7KU: Thanks to everyone for their articles. Please submit information to keep the training classes current.

Webmaster Jim KD7BAT: No Report

Trustee Assignments:

Chairman of the Board Monica KF7QLX: No Report

Membership Monica - KF7QLX: The Membership committee is looking at designs for a Fort Flagler 40th Anniversary T-shirt. The next membership committee meeting will be November 15th following the General meeting. The Christmas party will follow the December General Meeting.

Facilities - Daniel KL7WM: Major Potter is the new major for the Renton Salvation Army. A request for storage of the clubs equipment was submitted.

Education & Training - Jim K7JGM: Workshops on Dstar and Mesh networking will be posted on the web. From Tim K7ANE: W1AW/7 is operating. Contact Curt Black WR5J. From Daniel KL7WM: The Extra Class has 33 people attending. There were 45 people signed up for the Technician class.

Public Service – Tim K7ANE: Listings of events are on the web site.

Field Day - Ivy WA7IVY: A successful work party was held. The trailer has been disassembled for sandblasting and coating. Thanks to Allan Hughes KB7SUV, Tim Kane K7ANE and President Ivy WA7IVY. Once the trailer is done, it will require new lighting/wiring.

Picnic Hal - N7NW: No report.

Technical – Gary KF7TBC: No report.

Flea Market: Hal N7NW – The next Flea Market meeting will be the Tuesday December 9th. We will be stuffing envelopes at the November General Meeting.

Old Business: From Monica KF7QLX: George has updated the "policy/procedures" document. The board will update further changes with George.

New Business: Chris Potter, the new major for the Renton Salvation Army was present. He expressed an interest in working with the club for providing emergency communications. The other Salvation Army location in Renton has emergency power, which would potentially be used for a HF/VHF base station for emergency communications. Daniel Stevens KL7WM agreed to be the point person for the emergency communications development with the Renton Salvation Army.

Tim Kane - There are 24 years of QST issues are available to the club. They will be incorporated into the library.

Dave KB7PSN: A new 2015 budget worksheet was made available. A vote for the budget will be held at the next board meeting, which will be presented to the membership at the December general meeting.

Next Board meeting will be on Tuesday December 2nd, 2014 at 7:15 pm at the Salvation Army Building in Renton.

There being no further business, the COB Monica KF7QLX adjourned the meeting at 8:34 pm.

Attested: James Wraalstad WQ7H, Secretary

M&K Library Offers Many Resources

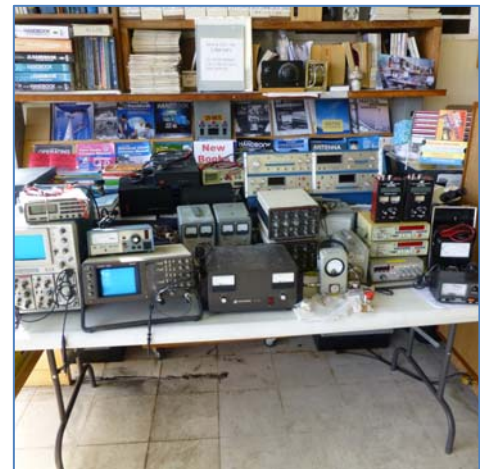
By Tim Kane K7ANE & Toku Okumura AD7JA

Some of our new members may not be aware of a great membership benefit - borrowing an MFJ Antenna Analyzer from the club library. Toku, our librarian, has assembled some 20 pieces of test equipment to add to that loaner library. This equipment is available for members use for your special projects, for training or education purposes (the ARRL has some good electronics courses), or simply to get hands-on experience. The stuff ranges from vintage analog meters to power supplies, watt meters, oscilloscopes, even a microscope.

If what you want to borrow is a small item, simply contact Toku to bring it for you to the next meeting. Or stop in to his shop to look over his inventory.

Here's the complete current list:

- 1) MFJ-249 and MFJ-259 Antenna Analyzers
- 2) MFJ-874 1.8 to 525 MHz SWR/Wattmeter
- 3) Tektronix #7503 Oscilloscope (71380-7A26YZ)
- 4) Philips #7503 (71380-7A26X2) Oscilloscope
- 5) Astron #SL-11A 12V Power Supply
- 6) Astron #RS-20A 12V Power Supply (2 sets)
- 7) Astron #VS-50M 12V Power Supply
- 8) EICO #1064S 0-20V Power Supply (2 sets)
- 9) Bird Model #43 10W (25-60MHz)
25W (25-60MHz) (100-250MHz)
100W (100-250MHz) (400-1000MHz)
250W (25-60MHz)
500W (2-30MHz)
1000W (2-30MHz)
- 10) Bird #8135 150W Dummy
- 11) EICO #235 Analog Meter (VTVM)
- 12) Simpson #250 Analog Meter (VTVM)
- 13) Fluke #8010A Digital Multimeter
- 14) Micronta #22-175A True RMS Multimeter
- 15) Brunel Instrument #3030 Function Generator
- 16) Tenma #72-5005 2.4 GHz Multifunction Counter (2 sets)
- 17) Fluke / Philips #PM5712 Pulse Generator (1Hz-50MHz)
- 18) EMT Series Stereo Microscopes
- 19) VIZ #WP-29A Monitor AC Voltage and Isolation Transformer
- 20) Training Systems #20500B #40600 #50200 #60100



The library is maintained and serviced by M&K Librarian Toku Okumura, AD7JA, at his television service company, Skyway TV, at 11818 Renton Ave. S, Seattle 98178. Tel: 206-772-2450. For more information, opening times and a map, go to his website:

<http://www.skywaytv.net/>. Please come by and browse!

Pacific Northwest Hamfairs & Events

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

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

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

November 16. CVRS Antique Radio Swapmeet. Burnaby B.C.

http://rac.eton.ca/events/detail.php?event_ID=1702 <http://canadianvintageradio.com/>

----- 2015 -----

February 14, 2015. Salem Hamfair & Computer/Electronics Swapmeet. This is an ARRL sanctioned event.

Rickreall, Oregon at the Polk County Fairgrounds. <http://www.w7sra.com>.

March 7, 2015. Mike & Key Swap Meet. Puyallup fairgrounds exhibition hall, Puyallup, WA. This is an ARRL sanctioned event. <http://www.mikeandkey.org/flea.htm> [Flyer in PDF](#) (62K)

March 28, 2015. MicroHAMS Digital Conference. Redmond, WA. <http://www.microhams.com>.

November 2014

K7LED Relay

Ham Nets & Events – 2014 – November / December / January (2015)

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
09 1900 – NWWA-LDS Net 147.34 (Weekly) 2000 – King Co. ARES Net 147.08 (Weekly) 2200 – NW Astronomy Net 145.33 (Weekly)	10 0545 & 1645 – Weather Net 145.33 (M-F) 1830 – WA Emerg. HF Net-ARES 3.985 (Weekly) 1900 – Seattle ACS Net 146.90 (Weekly) 1930 – PSRG Net 146.96(Wkly)	11 2000– American Red Cross /SeattleTeam Net 441.550 (+103.5) (Weekly) 2000 – Snohomish Co. ACS/RACES Net 146.92 (Weekly)	12	13 1900 – M&K Public Service Net 146.82 (Weekly)	14	15 1000–M&K Club Meeting [Salvation Army- Renton] 1100— Program 12:30-M&K Ham Radio Exams, Contact: Scott— ag7t@arrl.net 0900 – WA State Emerg. Net (WSEN) ARES HF Net 3.985 (Weekly)
16	17	18	19	20	21	22 Public Service Prep: 1000 & 1400-Seattle Marathon Briefing at Fran Underwood's home: 7065 121st Pl. SE, Newcastle, WA 98056
23 Public Service Prep: 1000 & 1400-Seattle Marathon Briefing at Fran Underwood's: 7065 121st Pl. SE, Newcastle, WA	24 Public Service Prep: 1900-Seattle Marathon Briefing at Fran's.	25	26	27 Thanksgiving Day	28	29 Public Service: Kid's Marathon & 5K Run. Contact: Laura – seattle_marathon@kozmafamilly.net
30 Public Service: Seattle Marathon. Contact: Laura Kozma – seattle_marathon@kozmafamilly.net 509-860-6777.	01 – DECEMBER –	02 M&K Board Mtg Salvation Army Bldg Renton, 7:15 pm	03	04	05	06 Public Service: Santa Parade, Auburn. Contact: Gene - N7QLT hamsignup@seafairparademarshals.org .
07 Public Service: Special Peoples Cruise, Seattle – Contact: Richard wa7niw@arrl.net .	08	09 M&K Fleamarket Mtg, Mike N7WA's 7pm	10	11	12 Relay Articles Due	13
14	15	16	17 Happy Hanukkah	18	19	20 1000–M&K Club Mtg [Salvation Army- Renton] 1100— Program 12:30- M&K Ham Radio Exams Contact: Scott— ag7t@arrl.net
21	22	23	24	25 Merry Christmas!	26	27
28	29	30	31	01 —2015— – JANUARY – Happy New Year!	02	03