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#2 Terry Dettmann WX7S

#3 / **Chairman of Board**

Steven Cook KD7IQL

#4 Dick Radford WA7NIW

#5 Dave Smith KB7PSN

**Web Page**

[www.mikeandkey.com](http://www.mikeandkey.com)

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**Reflector**

[http:// groups.yahoo.com/mkarc](http://groups.yahoo.com/mkarc)

**Send dues to:**

Jack Grimmett N7IHS  
10624 - 148th Ave SE  
Renton, WA 98059-4203

**Send Relay input to:**

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22222 148th Ave SE  
Kent, WA 98042-3147  
[mwdink@eskimo.com](mailto:mwdink@eskimo.com)

**QSL Manager**

Jo Hallstrom KB7UFM

**Logo Committee**

Dan N7QHC and Dawn KC7YYB  
Humphrey

## From the Hot Seat

**Club President Brendan Burget, KD7IKV**



Field day is many different things to many different hams. Depending on who you ask, you will get many different descriptions of what Field Day is. Some of us look on Field Day as one of the largest contests of the year. While others see it as a way of exposing the public at large to our great hobby. Another widely thought of reason for Field Day is to hone our emergency operating skills. All of us have our own opinions on the subject. There is one more thing Field Day is about. I think we will all agree that Mr. Murphy is a permanent participant at every Field Day site everywhere.

We traditionally put on, in my opinion, an extremely good showing at our Field

Day. This year was no exception. Steve Cook KD7IQL was our high climbing leader this year. We had so many people in the Wagon Wheel this year that we might need to start taking reservations. Setup had its ups and downs, but mostly ups. Murphy was boldly beaten back and Field Day rolled on.

When dinner time rolled around we nearly floated back to the Wagon Wheel. The smell of Wayne KC7ORB's cooking drew us back to the Wagon Wheel in a hurry. I'm sure nearby campers were jealous. Thanks Wayne, it just wouldn't be field day without you.

After a good meal and putting the finishing touches on the operating site, we turned in to rest before the big event. The next

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## Programs & Activities



The Mike and Key Annual Picnic will be held following the regular Club meeting on August 16th. The picnic will be hosted by Mike Eakins K7OV at the Falcon Ridge Club House on Renton East Hill, about two miles from the meeting.

From the Salvation Army meeting place, proceed South past McLendons Hardware through the first light, and left when the roads comes to a "T", this is S. 3rd St. Go to Main Ave S. and turn Right (south) and go through the first light until you come to the new City Hall, which will be on your left, and turn right at the street before it. It will be Benson Ave and will go up the hill southbound. At the top of the hill

you will come to a light where a Union 76 Station will be, turn left here on S. Puget Dr. and continue on up the hill until you come to another "T". Turn left at the "T" (this is SE 116th Ave.) and go one block to the next stop sign and turn left again. You are now in our private drive to the subdivision. Continue on and through the gate and you will run right into the club house if you don't stop. You are free to park anywhere in the club house parking lot as it will be reserved for us. Talk in will be on 444.85 Plus 5MHZ with PL tone 103.5 and 146.52 Simplex. K7OV will be the talk-in host for that day.

The July Club program will be presented by Terry WX7S and Scott AG7T. This month's subject will be antenna modeling which is a pretty fascinating way to use the ham shack computer. Don't miss it.

(Continued from page 1) **Hot Seat**

morning, thanks to the collaboration between Dick WA7NIW, Terry WX7S, and a few others, the VHF station was up and running on two bands. Nice job guys. Hideki and Tom manned our VHF station for many hours. It's great to see two newer hams jumping in and having a blast.

Once 11:00 rolled around the sound of SSB could be heard from every station on the bluff. A short time later, some innocent park patrons came running up from the beach looking rather bewildered. They reported a tentacled beast emitting shrill beeping noises down on the beach. After we calmed them down and explained that they had witnessed the entity known as CW Beach they

left relieved that aliens weren't invading us. I understand the Beach made us quite a few points this year (as usual). Nice work!

All good things must come to an end, as did Field Day. Take down went very well. All the towers came down with out a hitch. The last three of us were tying the towers and antenna down to the trailer when a small storm blew in and lightning hit. I don't think I've ever seen three full-grown men move so fast. That trailer was hitched up, hauled to a temporary location, and dropped in Olympic time. A special thanks goes out to Jack and all of you who hauled the club trailers.

Hear is to planning for next year. 73

## Greetings from Bodensee

From a letter to Dan and Dawn Humphrey  
Dan & Dear Dawn (N7QHC & KC7YYB)

Thank you for the nice eMail and the short report on Field Day. So I got a connection with my "Mike and Key Club". I enjoy it. I will send you a report of the "Ham Radio" fair. The weather here is great. Every day is shining the sun. It is warm sometimes too hot. There are many vacationers around the lake (Lake Constance at the border of Switzerland - Austria - Germany) and they are coming from North Europe. The outdoor swimming pools are all open and full of people. The pleasure steamers - there are more than 20 ones on the lake and a couple of them can take 800 - 1000 persons - are full of passengers. But only the farmers groan. Their fruit orchards need rain.

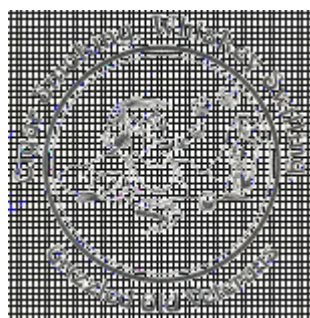
Now the report: I want to give a short report to the "Ham Radio" which took place at Friedrichshafen on the shore of Lake Constance in southwest Germany. The first time the fair took place in the new exhibition site. It has 7 large exhibition halls, a conference house and a big foyer. It was too large for the "Europe Ham Radio" therefore it used only a part of them. I was three days in the fair. The flea market was in the biggest hall therefore there was no pushing. There were not so much junk tables and jumble sales. I felt that a large number of retailers for HF- and electronic small devices or equipments were among them.

I think they could not pay the stands in the professional hall. Here I met the well-known big manufacturers like Kenwood, Yeasu, Icom. Their fair places were smaller, more modest.

They showed not so much devices and equipments like other years an the services and consultations were modest too. I missed a large number of antenna companies special the USA ones. A large number of marketing companies were present and they did a good deal. What I didn't see there was software and electronic equipments. although the fair was named "Ham Radio & Software".

In the conference part of the fair there were many international associations like Switzerland, Italy, France, Poland, Turkey, Slovenia etc. I saw the America flag but nobody was there and the place was empty - sorry. Other years they were present. Many ham-friends from other countries visited the fair. My impression of the "Ham Radio" in this year was it was modes it didn't put much matter into our hobby - I missed the spirit. Anyway I met a couple of friends I didn't see for a long time but I chat to them in the air and this was great. Excuse me - my English is dreadful sorry.

Kind regards and Best wishes - have a nice summertime your Gerhard KC7MAK & DL8GBP.



CW Beach

2003

Wow, what a Field Day! Down on CW Beach, we had a great time. How about you?

Our weekend started out with a quick jump out of

the starting block Friday morning. We had lots of help to put up tents, raise towers and build antennas. There were a few boo-boo's made – the biggest being we actually had to raise the tower twice because I forgot to install the pulley for the antenna tram line the first time around. (It was good practice for tear-down on Sunday though.).

Out on 20/80M station, we put up a TH6 tri-bander for the higher bands and a full-sized ¼ wave vertical for 80. If you remember the May program, that's a BIG vertical and it worked well. The 15/40M tent used the Club's C3S for

(Continued from page 2)

the upper bands but it got little use as 15M CW was pretty much dead most of Field Day on CW. Fortunately, the 40M phased verticals worked well and 40M performed very well.

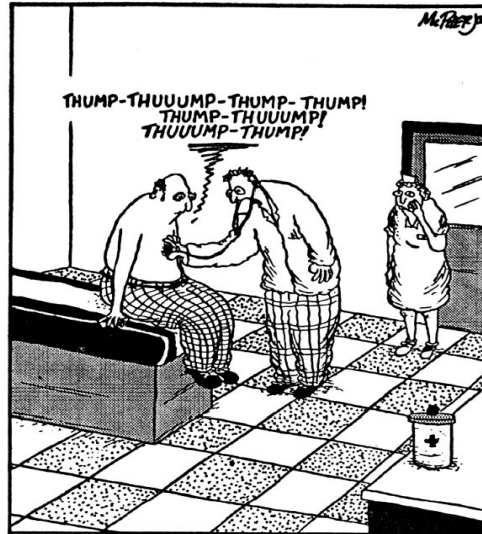
Things started out pretty slow on Saturday morning and I was really afraid that this would be one of those Field Days where you get lots of practice sending CQ. However, by 4PM, Jim W7FKI was running 1 a minute on 20M with even higher peaks for short periods and it stayed busy until 20M finally died around 11PM. Then, we put newbie Guy N7ZG on 80M so he could enjoy the static. Even then, he did a pretty good job of pulling them in.

Out the 15/40M tent, John KI7OT, Chuck N7BV and Dave KD7GIM did long duty grinding through the hours but getting final 40M count on par with last year. Invaluable service was provided by Brain Wingert as an operator and repairman before the event started out. In addition to those already mentioned, others who provided excellent Beach support were Jack N7ZS (the best non-CW operator we have on the Beach), Karen Jones, Al Hopwood, and Chuck Stroehner. I am sure I am forgetting somebody but, gee whiz, it's been two weeks. My apologies if I left you out.

There are two people that deserve special mention even if they can't tell a *dit* from a *dah*. Our two Field

Day Chairs, Steve Cook and Brendan Burget did excellent work as the organizers of this event. I couldn't put up with all they go through to do this. You dudes Rock!

See you all next year....., from the beach!



Another cartoon from Fred N7PZ

## From dB to dBm

Submitted by Jim Hamlin, W7FKI

In the June Relay, I discussed the decibel (dB) and how it is used to compare power levels. Now what is happening when you see a signal level expressed in dBm? The only difference for this case is that one of the power levels is always a fixed value. That value is one milliwatt (1 mW), or 1/1000th of a watt, RMS, in a 50-ohm system. When we look at the math equation used previously,

$$dB = 10\log_{10}(P2/P1)$$

where, **dB** is the gain (or loss) for the two power levels  
**P2** is one power level (higher one for gain) in watts  
 and **P1** is the other power level

**log<sub>10</sub>( )** is the logarithm of the power ratio

and substitute 0.001 watt for the value of P1, the result is now expressed in units of dBm. The small letter m indicates that the reference is 1 mW. Now if you use the 1 mW reference for the value of P2 in the equation, the result will be zero, because 10log<sub>10</sub>(1) equals zero. From this fact, then other signal levels can easily be expressed

as positive values in dBm (higher than 1 mW), or negative values (less than 1 mW).

Let's look at some examples that may help to clarify the issue. If you were told that a particular transmitter had an output of 30 dBm, what would this be in watts? Since 0 dBm is 1 mW, and this signal is +30 dB higher, and for each 10 dB the power is increased by a factor of ten, the signal is 1 watt.

$$0.001 \text{ W} \times 10 \times 10 \times 10 = 0.001 \times 1000 = 1 \text{ W}$$

Likewise if the transmitter had an output power of +53 dBm, what is the power in watts? This can be simply calculated like the previous example, or less simply using the math equations. Let's try it without the equations. From the previous step we know that 30 dBm is 1 watt. The new number is 23 dB greater (53 dBm – 30 dBm = 23 dB). Note that when you add or subtract values in dBm, the result is in dB. Remember this point because it is very important when you are discussing signal levels and their ratios. Because values in dB can be added, subtracted, or even factored into separate parts, our value of 23 dB is also 10 dB + 10 dB + 3 dB. We know that for each 10 dB of signal increase the power goes up by a factor of 10, so that 1 watt signal (+30 dBm), has increased 100 times to 100 watts. But, what about that extra 3 dB? If you recall from last time, every doubling of power is an increase of 3

dB. So for the last 3 dB increase, we double the 100 watts to 200 watts. Thus, a signal that is written as +53 dBm is equal to 200 watts.

Once you become accustomed to the standard values of dBm and how increases, or decreases, expressed in dB are evaluated, many calculations can be performed without a calculator.

If you want to perform the calculations using a scientific calculator, here are the equations:

$$P \text{ (in watts)} = [ 10 \exp (\text{dBm}/10) ] \times 0.001$$

or

$$P \text{ (in watts)} = 10(\text{dBm}/10) \times 0.001$$

In the example, +53 dBm results in:  $10(5.3) \times 0.001 = 200,000 \times 0.001 = 200$

Note: The value, 10(5.3) is actually 199,526.2,

but with rounding, we use 200,000.

As a reference, here is a table of various signal levels in dBm and watts:

dBm	Power
-10	0.1 mW
-3	0.5 mW
0	1.0 mW
+3	2.0 mW
+5	3.16 mW
+7	5.0 mW
+10	10.0 mW

dBm	Power
+20	100 mW
+30	1 W
+40	10 W
+50	100 W
+53	200 W
+60	1,000 W
+61.76	1,500 W

As you work with the numbers, you will become more proficient in using them, and will be able to convert most values mentally.

## TorchLight Parade

Submitted by Pam Bryan, N7PRS

SEAFair Parade Marshals are asking you to come be a team member, part of the SEAFair family, and help with the Torchlight 2003 parade in downtown Seattle. Whether you have many years of Amateur Radio experience, or you're a brand new Ham, you can do this! It's a way to perform public service and have fun at the same time. Parade Marshals and Hams are there to assist parade units in assembly, on the route, and in dispersal.

Assembly is the pre-parade staging area located at 5th & Mercer. We begin in assembly at 7AM and keep going until the last unit has left the lot to enter the parade. The parade route basically runs south on 4th Avenue, beginning at Denny. Marshals and Hams are positioned at various intersections along the route, especially those with Metro crossings, fire lanes, and tow trucks. We are there to help insure that the parade units go down the route safely and in a timely manner. Also, along with the police and fire departments, help the ensure that the public enjoys a wonderful parade.

Dispersal is the end of the parade at the Seahawk stadium parking lot. Here we help to insure safety while the parade units dismantle and load into trucks and cars. The Torchlight parade is Saturday, July 26th, 2003 in downtown Seattle. From start to finish it takes all day; about 7AM to 11PM. The actual parade time down the route is 7:30 to 10PM.

We need whatever time you can spare in your busy schedules. 2, 4, 6 hours or yes, even all day. Just come and experience a very big part of the Torchlight parade.

Parking considerations have been addressed, and information on that can be given to you at any time. So please, sign up today. Fill out the lines below and mail to Tom Ramus, WB7OUT. He is the Marshal in charge of communications for the parades. His address is: 8722 17th Avenue NW, Seattle, WA 98117. Also, you can e-mail him at bc994@scn.org. Thanks for your consideration. We hope to see you there.

Pam Bryan, Vice Marshal, SEAFair Parade Marshals

Name: \_\_\_\_\_

Call Sign: \_\_\_\_\_

Phone: \_\_\_\_\_

E-mail Address: \_\_\_\_\_

Work preference area & time you could work:

## One last time

Submitted by Jan, K7YH

You know I think Bill Gates is really a sadist in disguise. I started out with Windows 3.1, and have used nearly every kind produced since. Windows 95, 97, 2000. And every one of them has been wear dated. Yes, wear dated. Use it for so long and it goes bananas. I can't recall how many times I have been forced to reformat the drives and load everything from scratch. In the process I have lost many documents, because I was hard headed, and kept them on the drive and not on a backup. DDuh ! I may be big, but some times not too bright.

Because some of the things I do on my computer are somewhat sensitive, I also have a firewall. I was amazed how many times someone tried to access my computer after I put it in. Well a couple of weeks ago, Bill's 2000 endeavor to drive me insane started arguing with the firewall. It wouldn't allow me access to certain restricted sites. I tried and tried, to no avail, and nothing seemed to work. Time to format again; and I did!

I am now fully equipped with XP pro and XP Pro office. I LOVE IT!! As I understand it, there is no DOS system in XP, and that stops arguments before they start. My firewall works fine, so does my anti virus. (Norton) which has also done away with Clean Sweep. That's a utility that cleans temporary internet files from the program. XP has an automatic delete system, and clean sweep argued with XP, so they did away with it. I can safely report that it is super nice to work with the confuser now.

I am sorry more of you didn't take some of Joe's hat collection off of my hands; of course it didn't help for

me to bring mostly military ones, and even more so that some folks thought they were dirty. I apologize for that.

Last Saturday I received a call from one of the members who wanted to remind me that my Dues were due. He also wanted to talk about some other things I didn't really want to discuss, so I let it go at that. In 11 years of membership I have done just about everything there is to do in the club. I have done annual banquets twice, Christmas parties twice, Field Day, Trustee, Vice President, Secretary, and I worked the VE team when it was at Boeing. I even garnered an Honorable Mention for the club in the ARRL's ill fated Club of the year contest.

Now you may ask why am I bringing all of this up, well it goes back to the Dues conversation. I have worked a lot of our activities for a long time. I have a new activity I am really involved in, well not a new activity, but a new position, and it is a very work intensive and time consuming job. I had also talked to our President about paying the dues some weeks ago, and I didn't make up my mind until last Saturday. Rather than write a resignation, I am simply going to let them lapse, and fade quietly into the night. So this is the last article for me in the Relay. And the last meeting is long over. I will be supporting the VE team, as a non member of the club.

And if any of you ever join Navy MARS, you will be introduced to the state training officer, his call is NNN0QWS/NNN0GCC, who will guide you through the two month training course, of course you may remember his HAM call, its K7YH....OUT!

*(Good luck on your new endeavors Jan and don't forget to "poit!" drop in once in a while—ed)*

## Technical Committee Project

Submitted by Michael, N7WA

So far, my attempts to get a working Technical Committee going have been for naught. While the Technical Committee has been busy, this has primarily consisted of a couple people writing articles or giving programs. So, I am stealing an idea from another Club and creating a project for the Committee that one, I hope will generate some interest and two, provide a benefit to the general Club membership.

Here is the basic idea. Most, if not all of us, use computers as an adjunct to our hobby of Amateur Radio. It may be as simple as reading email from other Hams or as complicated as using antenna modeling programs or doing a propagation forecast. There are a plethora of free programs available to us out on the Net but finding them ranges from very easy to full blown detective work. Some may be strictly Amateur Radio related (such as a Smith Chart Calculator) while others may be useful in a general

sense (like a free email program or browser). I know that I have collected a number of these over the years and there are many more out on the Web, available for the asking. I think it would really be neat if I had many of these programs already available to me on a CD-ROM. It would save me the time of searching and downloading them (after all, some of these programs are pretty big). Another plus, if I knew the program had been recommended by someone in the Club, it might save me the hassle of trying 3 different programs before finding a decent one. Even then, since a typical CD-ROM holds about 800Mbytes of data, all three programs could be available if it desired. If we actually got to the point where the project ran out of space, there isn't any reason why it couldn't expand to multiple CD's.

I would like the Technical Committee to form up a working group to find, catalog, and gather up a wide variety of Ham Radio and general purpose utilities so we

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could produce a CD-ROM available for the asking. Since CD-ROMs run about 50 cents each, in bulk, these days, the cost to the Club would be minimal to provide what I feel would be a very useful item to have around the shack. If it went well, yearly updates would be easy. An extension of this idea may be a list of Web links to interesting Ham Radio related web pages.

So what's needed? Well, since there are only 3 people on the Technical Committee at this point, people need to express some interest and join the Committee. Even if you don't want to join the Committee, club mem-

bers at large could still participate by making recommendations and providing leads to the committee members. Remember, this will need to be software that is "free". Shareware can be considered but must include the total package, including licensing documentation and restrictions.

I have one person who has expressed his interest already. We need more. This will not be a two man project. If insufficient people express interest, we'll drop the idea. Please express your interest by contacting me at mwdink@eskimo.com.

## General Meeting Minutes June 21, 2003

### Officers present:

President – Brendan Burget (KD7IKV)  
Vice President – Sam Sullivan (N7RHE)  
Secretary – Paul McElroy (K7STQ)  
Treasurer – Jack Grimmett (N7IHS)  
Activity Manager – John Long (KW7A)  
Radio Officer – Ken Rau (K7YR)

### Trustees present:

No. 1 – Nils Hallstrom (W7RUJ)  
No. 2 – Terry Dettmann (WX7S)  
No. 3 – Steve Cook / CoB (KD7IQL)  
No. 4 – Dick Radford (WA7NIW)  
No. 5 – Dave Smith (KB7PSN)

**Visitors:** John Traylor (KD7VLE).

President Burget called the meeting to order at 10:02 a.m. at the Salvation Army Building in Renton, Wash. All members and guests repeated the Pledge of Allegiance. The president made several 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; smoking is allowed in the parking lot but not in front of the chapel. Members and guests introduced themselves.

Quorum present.

**Minutes:** Motion by Jim Monaghan (N7HKO) and seconded by Nils Hallstrom (W7RUJ) to approve the minutes of the previous meeting as printed in the *K7LED Relay*. Motion passed.

### Officer Reports

**President** – Brendan Burget (KD7IKV): Harry and Mary Lewis are stepping down as section manager and assistant section manager, respectively, of the ARRL Western Washington Section, effective July 1. The couple has spent decades helping the cause of ham radio.

**Vice President** – Sam Sullivan (N7RHE): New members for consideration: Ed Lane (KD7VGW), a tech; Guy Molinari (N7ZG), an extra; Phil Sheridan (KD7UXT), a tech. All approved.

**Secretary** – Paul McElroy (K7STQ): The June

edition of *The Logger's Bark* is available.

**Treasurer** – Jack Grimmett (N7IHS): As of May 31, four memberships expired for non-payment of dues and four new members were approved for a club total of 193. Profit and loss statement issued.

**Activity Manager** – John Long (KW7A): Mike Eakins (K7OV) has volunteered as picnic chairman. The club needs more members to volunteer early on so events aren't planned at the last minute. A \$5 raffle will be held at general meetings, on a trial basis, in addition to the \$1 raffle. The new raffle will be continued if it becomes self-sufficient. Tickets for the \$5 raffle are not eligible for the end-of-the-year giveaway. Today's prize is a 10-meter mobile transceiver.

**Radio Officer** – Ken Rau (K7YR): Gear for Field Day assembled: 600-feet of rope; licenses for two trailers; gate key and keys for locks on trailers. He has been working with Tanner Electric on the Rattlesnake site for the new repeater, but is having trouble contacting their communications rep. The club is looking for an Extra class ham to assist Ken and take over as radio officer at the end of the year.

**Chairman of the Board** – Steve Cook (KD7IQL): Nothing to report.

### Standing Committee Reports

Those committees not reporting in the *Relay* are asked to report before the general membership.

**Technical** – Mike Dinkelman (N7WA): Plans are under way to produce a CD-ROM library of favorite programs for ham radio — logging, antenna modeling, etc. — and related software such as firewalls. Anyone interested in suggesting or providing programs should contact Mike.

**Education** – Dave Smith (KB7PSN): Looking for volunteers to get the committee going.

**Facilities** – Steve Cook (KD7IQL): Nothing to report.

**Public Service** – Barry Wolborsky (KC7YB): Committee meets after the general membership meeting at Holiday Inn restaurant on Grady Way in Renton. The Boy Scouts will hold JOTA (Jamboree on the Air) in October. Volunteers are needed to help Scouts operate a ham sta-

tion to earn their radio merit badge. The stations can be in the ham's home or at Fire Mountain Camp in Mount Vernon. Club representatives have been invited to tour the facilities anytime after July 1.

**Strategic Planning** – Carolyn Pasquier (WV7Q): Nothing to report.

**Public Service Communications** – Gary Bryan (KG7KU): Volunteers needed for upcoming parades, particularly Seafair Torchlight on July 26. Contact Tom (WB7OUT) at 206-784-9243.

**Field Day** – Steve Cook (KD7IQL): Information given during program session after meeting.

**Picnic** – Mike Eakins (K7OV): The picnic will be held after the August 16 general meeting at the clubhouse in the Falcon Ridge subdivision in east Renton. A playground area is available for children. Antennas can be set up. Parking in front. Participants can bring something to barbecue or to cook in the clubhouse kitchen. A map and directions will be included in the July *Relay*.

**Alligator Award:** Current holder Dean Holtan not present.

### Old Business

None.

### New Business

Jim Monaghan (N7HKO) needs a signal-finding meter to locate someone transmitting with excessive power in Puyallup. The Puyallup Chamber of Commerce will let the club host a table to inform people about ham radio. He'll chair the activity, but needs volunteers. Contact Jim at 253-845-0219.

John Long (KW7A): Doing research on Amateur TV and welcomes comments from other members.

### Good of the Order

Pam Bryan (N7PRS): Free parking and snacks will be provided for Seafair Torchlight Parade

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volunteers. Age and experience does not matter. Volunteers are needed and welcome.

Jo Hallstom (KB7UFM): Thanks members who have sent good wishes to Nils, who suffered a heart attack nine weeks ago.

There being no further business, Jim Monaghan (N7HKO) moved and Richard Pasquier (N7MER) seconded a motion to adjourn. Approved and President Burget closed the meeting at 10:45 a.m.

Attested: Paul McElroy – Secretary, K7STQ

## Board Meeting Minutes June 25, 2003

### Officers present:

Vice President – Sam Sullivan (N7RHE)  
Secretary – Paul McElroy (K7STQ)  
Treasurer – Jack Grimmett (N7IHS)

### Trustees present:

No. 3 – Steve Cook / CoB (KD7IQL)  
No. 4 – Dick Radford (WA7NIW)  
No. 5 – Dave Smith (KB7PSN)

**Visitors:** Dawn (KC7YYB) and Dan (N7QHC) Humphrey.

Chairman Cook called the meeting to order at 7:15 p.m. at the Salvation Army Building in Renton, Wash.

**Minutes:** Motion by Sam Sullivan (N7RHE) and seconded by Jack Grimmett (N7IHS) to approve the minutes of the previous meeting as printed in the *K7LED Relay*. Motion passed.

### Officer Reports

**Chairman of the Board** – Steve Cook (KD7IQL): See Facilities and Field Day.

**President** – Brendan Burget (KD7IKV): No report.

**Vice President** – Sam Sullivan (N7RHE): New member applications recommended to the general membership for a vote: Robert Grinnell, KD7WNV, a tech. From now on, applicants must attend a general meeting within three months of the board's recommendation for approval. If they haven't shown up by the end of the fourth general meeting after board approval, the vice president will issue a letter informing them that their application has expired and refund initial dues.

**Secretary** – Paul McElroy (K7STQ): Nothing to report.

**Treasurer** – Jack Grimmett (N7IHS): As of June 1, the club had 193 members. There were three corrections to the roster and three additions for a preliminary total of 199. Issued P&L report. Some members have let their club affiliation lapse because they didn't realize they owed dues. Jack recently notified eight members whose affiliation was about to lapse. He and Sam Sullivan will draft a standard reminder notice to send via e-mail or the Postal Service when memberships are close to expiring.

**Activity Manager** – John Long (KW7A): No report.

**Technical Committee** – Terry Dettmann (WX7S): No report.

**Radio Officer** – Ken Rau (K7YR): No report.

### Committee Liaison Reports

**Facilities** – Steve Cook (KD7IQL): Frank's cabinet key replaced.

**Strategic Planning** – Nils Hallstrom (W7RUJ): No report.

**Technical** – Terry Dettmann (WX7S): No report.

**Public Service** – Dick Radford (WA7NIW): The committee has drafted a letter to welcome new members and explain the club's organization and activities. The draft will be revised and

improved cosmetically, then given to new members with their membership certificate. Boy Scouts Jamboree on the Air: The club has been invited to tour Camp Fire Mountain. The committee will inquire about overnight accommodations so participants can set up before the event.

**Education** – Dave Smith (KB7PSN): The committee now has three members and an offer from Harry Lewis to seek interest in holding a technician class. The last class the club held was 18 months ago. The committee will investigate the current roster of tech classes in the area to help determine need. The board discusses offering a no-code General class and perhaps a general meeting program on license upgrades. The committee will consider all these suggestions and develop a plan.

**Field Day** – Steve Cook (KD7IQL): Vandals punctured two tires on the generator trailer parked at the repeater in Issaquah. The tires are being replaced for Field Day.

### Old Business

Dave Smith (KB7PSN) is still looking for information on access to the club's Web site.

### New Business

**New Radio Officer:** The board agrees that technical ability is paramount, but there is a wide gamut of other responsibilities from getting along with the landowner to handling licensing. Chairman Cook will ask the three candidates who are interested to prepare a one-page resume. Other Extras are welcome to submit a resume in writing, too. Candidates will be considered later this year.

### Good of the Order

There being no further business, Jack Grimmett (N7IHS) moved and Dave Smith (KB7PSN) seconded a motion to adjourn. Approved and Chairman Cook closed the meeting at 8:28 p.m.

Attested: Paul McElroy – Secretary, K7STQ

## Public Service Committee 6/21/03

Meeting called to order by Barry. In attendance: Terry, Jim, Barry, Kim, Mike, Gary, Pam, Ted, Jim, Hideki, and Dick.

### Old Business:

Approval of last month's minutes.

Status of packet for new club members introducing them to club activities, events and services. (This will include a list of committees and activities where they can contribute and participate. This could also include officer contacts, and some of the information that is included in the By Laws section of the membership booklet. Each committee could provide a blurb on why the new member should join them. This could also be a general information sheet that

could be used at parades, Field Day, etc.). Also posting it on the web site. Discussion of the content. Voted to go with the document as written by Ted last year, and include committee descriptions. Dick to write up and submit to Board for approval.

An interest survey for the general members regarding specific public service event interests and general radio interests. (Dick). Decided to include the survey as it currently exists as a page in the Relay with returns to go to Dick.

Public service event coordination. Dead

### JOTA Gary

Gary has researched the requirements for an information

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table to present Ham Radio to the scouts. ARRL has a kit for this purpose which Gary will order. Mike has contacted the BSA, and we will be welcome at the Fire Mountain BSA camp for JOTA. Facilities exist for sheltered operation position for four stations. There is AC power, a place for towers, trees to hang wire antennas, etc. A site inspection will take place in the near future. Barry suggested that either Gary or Mike write a small item for the Relay each month until JOTA takes place. Mike will write and submit these notices.

Article for local paper on field day. Kim Done

Plan timeline for marketing next years booklet. Brendan Terry reports that the letter will be going out early next month to vendors for pre-registration.

Ad Sales. Terry

New Business: None

Boy Scout Jamboree Dick

## From Barracks Mom

I want to thank all those staying in the barracks this past Field Day for allowing me to serve you again. We had our best year yet with 27 of the 29 beds occupied Friday night and 28 beds Saturday night. We had some new families with their children and I think everyone had a good time.

We had a few extra mouths for breakfast on Saturday and all went well. With the installation of an industrial dishwasher, it made my weekend a whole lot easier. I want to thank everyone who chipped in and did their share of the clean up without grousing. It was a wonderful weekend and I can't wait until next year.

By the way, who ever has my puzzle, please pass it on within the club. It's a first release and I would like to share it with anyone who would like to work it.

Rita "Barracks Mom" Danielson KD7CNU

## Lost Glasses at Field Day — possibly on CW Beach near 20M tent If found—Gene Sodano N7QFX 206 246 7122

### Flying Wheels

This is a bike riding event consisting of four events. We need hams to provide communications support.

The shortest route will be a 25 mile route that goes through Southeast Bellevue. It goes clockwise around Lake Sammamish.

Additional, and longer, routes are in the area East, North and South of Marymoor Park. Only the 100 mile route goes through Snohomish and Monroe. The 50 mile and the 70 mile routes stay south of those communities.

Food and potty stops will be found at four locations in the long route area.

The event runs on Saturday, June 21st. The Finish Line and course closes at 4 PM.

If interested in participating, please contact me and give me your T-Shirt sizes. I hope that we can again have the excellent team that we have had in the past so we can properly support the 1500 or so riders expected this year.

Thanks, Gene & Fran Underwood  
425-226-4115 w7aka@arrl.net

**RADIO HISTORY IS MADE AT WRC-03** from the ARRL Letter In a historic move, delegates to World Radiocommunication Conference 2003 (WRC-03) agreed to move broadcasters out of 7100 to 7200 kHz in Regions 1 and 3 to make room for the Amateur Service. The "carefully crafted compromise" calls for broadcasters to vacate 7100 to 7200 kHz by March 29, 2009. Amateurs in the US and the rest of Region 2 will continue to enjoy the 7000 to 7300 kHz band they now have, and eventually with greatly reduced broadcasting interference.

Also, as expected, WRC-03 also dropped the international Morse code requirement for HF access, leaving individual countries to decide if they want to retain a code proficiency requirement .





Field Day 2003



## From the Writer's Block

Submitted by Michael, N7WA

Fresh out of school a couple years ago, my time allowed me to get back into active involvement in the Club. One of the things I did was volunteer to take up the Relay as Editor (actually my third tour of duty). However, I am a firm believer that this job, as all positions in the Club, periodically needs a fresh face. While I enjoy the job, I feel myself starting to dread the second weekend of each month and it's time for this dink to take a break.

About a year ago, I asked if someone would be interested in doing the Relay on a trial basis but there were no takers. Now, I am asking if someone wants to take over full time (though I won't quit until someone steps forward).

There is no official succession policy for the Relay editor but if you are interested, I would talk to the Board as I feel they may want to have a say in the matter. I am will-

ing to work with anybody that feels they would like to try out a month first.

For my part, I use *Publisher* from Microsoft and templates are available from my past efforts. However, there is no reason why a new editor couldn't head off in a different direction (I certainly did this last run.) Electronic Relay's have been a fairly popular item so I would hope that continues but use of envelopes for hard copies was a decision on my part. A new editor may not like the extra work required to stuff them.

I do feel strongly that any editor should be an active member of the Club and Amateur Radio. You need to know what is going on in the Club and in the hobby. It certainly would be beneficial to attend the occasional Board meeting. I will help.

Anybody interested? Drop me a line if you have questions. See a Board member if you are interested.

## Pacific Northwest DX Convention

Vancouver, British Columbia, Canada

July 18-20, 2003

DX2003 check it out [www.bcdxc.org](http://www.bcdxc.org)

Hilton Vancouver Metrotown - 6083 McKay Ave. Burnaby, BC V5H 2W7

The *RELAY* is the official tabloid of the Mike and Key Amateur Radio Club. The Mike and Key is dedicated to the growth and betterment of Amateur Radio. We meet the third Saturday of every month at the Salvation Army Renton HQ, 720 Tolbin St., near the SE corner of the Renton Airport. The Club operates repeaters on 146.22-146.82 (PL103.5), and 222.52-224.12 under the call K7LED. The Club mailing address is: POB 4234, Renton, WA 98057. All persons interested in Amateur Radio are invited to participate in the Mike and Key Amateur Radio Club and it's activities. Yearly dues are \$12 for individuals and \$18 for families.

## Club Contacts

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