



Search and rescue from your home

Terry Dettmann / WX7S

Radio Officer

Some time ago, I put an article with pictures in the *Relay* about ESAR. One thing that Explorer Search and Rescue really needs is help with is communications.

The ESAR Communications unit run by Jim Telgenhoff, KB7EVY and a member of the Mike & Key Club, assists missions in the field by providing in-town communications. It does this in several ways:

- ◆ ESAR COMM operators page members for assistance at the start of a mission and keep ESAR members updated as the mission proceeds.

- ◆ ESAR COMM operators monitor and control the 511 repeater and pass messages from people in town to people in the field and back again.

- ◆ ESAR COMM operators monitor the voice mail sign-in and pass rosters to the operation leader in the field.

ESAR COMM operators aren't field personnel. You don't have to

Programs & Activities

Suffering from too much SQRM? Want to learn some tricks on minimizing interference so that you can make more contacts?

Come to the program on Sept. 18 and find out how!

go out in the rain or snow. Your job is done from your home or apartment. It's perfect for retired or limited-mobility hams because you can be part of the rescue effort from your home. My son and I used to do it together from his bedside.

As an ESAR COMM operator, you are the in-town support for the mission in the field. You work for the operation leader and help him where needed.

This has involved calling for status on the rescue helicopter, arrival information about people sent to Harborview, directions to base camp for people en route and much more. Most missions

are pretty simple and your involvement is pretty standard, but sometimes it can get hectic. It can be fun and very satisfying.

Last year, I personally was in-town support for several very high-profile missions for people lost in the mountains that made it all the way to the national news media.

Knowing you are part of the effort to save lives is worth everything you put into it.

So why should you get involved? Maybe you'd like to take your skills and do more than contesting or ragchewing. Maybe you'd like to be in on saving a life. Maybe you'd just like to get some practice at responding to emergencies.

Whatever your motivation, ESAR COMM needs your help. We especially need people who can be available during the daytime while many of our members have jobs.

Why should you act now? Because we need you. Sometime in

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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

K7LED Repeaters

146.82 output / 146.22 input (PL 103.5)
Squak Mountain

224.120 output / 222.520 input (PL 103.5)
Tiger Mountain

Web Site

www.mikeandkey.com

E-mail

info@mikeandkey.com

Re ector

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

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Several club resources are available electronically:

Web: The club's site at www.mikeandkey.com includes extensive information about club events, VEC testing, membership, past editions of the *Relay* and more.

Mike & Key Online

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

E-Relay: Want the newsletter in color and a day or two before the print edition arrives by regular mail? You'll also help the club save money in printing and postage costs.

To sign up, send a message to the editor: k7stq@arrl.net.

Helping others and our own families

Michael Dinkelman / N7WA

President

Wow, where did the summer go? Seems like we were just doing Field Day a short while ago and I was looking forward to the DX Convention and a lot of antenna work.

Since most of that antenna work looks like it got done and my body aches from all the labor,

it must truly have all happened. I'll have to sit back and try to remember it all while

From the Hot Seat

the rains are falling. Hope you got a chance to get your summer projects done, as well.

One member, I know, did get his project finished. Guy N7ZG spent a good part of the summer planning for a 54-foot crank-up pole. He dug a big hole, poured lots of concrete and then prayed a lot that he could get the necessary help to get that thing from the truck to the mounting when it finally arrived.

It was nice to see a whole bunch of club members show up to help in that endeavor. That's what part of being a club is all about. You made me proud!

Since it is September, it's time to look ahead to upcoming events. Fortunately, we have volunteers

in the bag for the Christmas party so that's one less thing to worry about. However, October brings the first Flea Market organizational meeting for the 2005 event. Please check out the related article on page 4 of this *Relay* and make plans to help the club next March.

Speaking of looking ahead, the events in Florida over the past month reiterate the need for emergency preparedness. While we don't have to worry about hurricanes, we do live in an active seismic zone and they keep saying the "Big One" is overdue.

Did you know this is National Preparedness Month? Can you provide for your family if public services are lost for several days? Would you like to have an emergency communications ability? If either of these spark your interest, you might want to check out Terry Dettmann's offer to provide some education in this area (see last month's *Relay* and Page One of this edition).

Finally, beyond being club meeting day, Sept. 18 is Amateur Radio Awareness Day and the date of the Washington QSO Party (alias Salmon Run). Frankly, this would have been a good opportunity to combine the two events for a public display, but I became "aware" of this too late to try and get some organized activity going.

Hope springs eternal . . . maybe next year.

QRP enthusiasts are banding together

Terry Dettmann / WX7S

Radio Officer

Some months back, I invited interested people in Mike & Key to join me as part of the pQRP group.

We have a mail list run off Yahoo groups and you can join by sending an email to:

pqrp-subscribe@yahoo.com

The group is not affiliated with any club or organization. We are not a club; just a bunch of people interested in low-power

or QRP operation.

Activity varies, but we have get-togethers in a variety of places for coffee and talk about QRP. We also get together in the field to participate in QRP operating events.

One of our projects we hope to start is a small competition we're tentatively calling "Worked All Washington QRP'ers."

The idea is to log as many Washington state QRP operators as you can.

Confirmed contact with 5

watts or less on both sides is required and we plan to have a small certificate for people who reach numbers like 25, 50 or more.

So far, we know of about 75 people in Washington state who operate QRP on some regular basis. We'd like to see how many of them we can reach.

If you're interested, then drop by the group and throw in a few questions or just say hello and what you're interested in. We'd love to have you.

Key Club Dates

Next General mtg.: **Sept. 18**

Board mtg.: **Sept. 29**

Relay deadline: **Oct. 8**

Countdown to our '05 hamfest begins

Michael Dinkelman / N7WA

President

I know, it was only six months ago that we finished Flea Market 2004. Well, six months is how long it takes to hatch this event and we need to start planning in October for 2005.

Flea Market Committee

The Flea Market organizational meeting will be held at 7 P.M. the first Tuesday of October, that's the 5th, at the Salvation Army HQ.

This meeting will be the kickoff to see where we stand and to determine holes that need filling. For sure, we need a Ticket chairperson. Ronnie LaFerla has moved to Eastern Washington and while they plan to come over and help the day of the event, she can't organize the ticket seller department.

It's desirable that the person volunteering to do this job have some experience in past ticket operations and be able to attend some organizational meetings.

We will also need a chairperson to organize the Loading Dock



2004 Flea Market MVP

Even though planning is about to get under way for Flea Market 2005, it's not too late to recognize one of the MVPs from the 2004 hamfest. Atsushi Sasaki, W7KN, shared honors with Scott Robinson, AG7T. Atsushi, who lives in Chiba-Shi, Japan, outside Tokyo, traveled a mere 4,791 miles by air to give his all at this year's event. Now that's dedication!

as Fred Lowell is going into full retirement mode after doing an excellent job for the past several years.

As with the tickets, it's preferable that you have experience in the area so you know the routine. As this is really a long two-day job—both Friday and Saturday—I am open to the idea of a couple of people getting together and acting as co-chairs, if that's a way of filling the position.

We've had other positions where this has worked out well.

At any rate, all are welcome

to attend the meetings, whether as a chairperson or an observer. Future meetings will be called as needed and that will be determined at the conclusion of the October meeting.

Of course, there is that eternal question: When is the date of the event? It will be March 12. You'll certainly want to reserve both March 11 and 12 as your opportunity to help the club in its primary fund-raising activity.

Worker signup sheets should be available at all club meetings from October to February.

There's still time to talk to the Space Station

Amateur Radio on the International Space Station says the ISS Expedition 9 crew of Mike Fincke, KE5AIT, and Genady Padalka, RN3DT, has very limited time to pursue casual hamming from space.

They do respond to contacts, however.

"The ARISS team wants to remind everyone that the crew is on a strict schedule, so the

best time-frame to try contacting them is between 0800 and 1900 UTC," said ARISS spokesman Scott Stevens, N3ASA.

Chances are even better during weekends, he added.

The ISS worldwide downlink frequency is 145.80 MHz. The FM voice uplink is 144.49 MHz in the United States.

Both KE5AIT and RN3DT are set to return to Earth on Oct. 19,

so if you want to work them on 2 meters, better get cracking.

In a related matter, the FCC has issued new rules requiring amateur space stations to submit an "orbital debris mitigation plan" to the FCC with each license application. AMSAT-NA had argued for an exemption to requirements that went beyond what the FCC proposed in 2002.

— *The ARRL Letter*

Public Service Events

**Saturday, Sept. 25
Autumn Leaf Fest Parade**

Leavenworth
Contact: Tom, WB7OUT
206-784-9243
bc994@scn.org

**Saturday, Oct. 2
Diabetes Walk-a-Thon**

Seattle
Contact: Mark, KD7KUN
425-881-6260
kd7kun@yahoo.com

**Saturday, Oct. 2
Salmon Days Parade**

Issaquah
Contact: Tom, WB7OUT
206-784-9243
bc994@scn.org

**Sunday, Oct. 3
Kitsap Color Classic Ride**

Kingston – Poulsbo area
Contact: Gene, W7AKA
425-226-4115
w7aka@arrl.net

**Saturday, Oct. 16
Mount Hood Rally**

Mount Hood, Ore.
Contact: Rich, KC7TXF
360-574-8593
maryo@pacifier.com

**Saturday, Nov. 6
Veterans Day Parade**

Auburn
Contact: Tom, WB7OUT
206-784-9243
bc994@scn.org

**Sunday, Nov. 28
Seattle Marathon**

Seattle
Contact: Gene, W7AKA
425-226-4115
w7aka@arrl.net

**Sunday, Dec. 5
Holiday Cruise**

Seattle
Contact: Tom, WB7OUT

Salmon are about to run

Ward Silver / N0AXSpecial to the *Relay*

As we all start looking forward to those tasty steaks, fillets and entire fish glistening on ice, it's time to remember that the Salmon Run can't be far behind!

Also known as the Washington State QSO Party, the Salmon Run has been picking up steam for the past few years—both in-state and out-of-state. In 2003, there was activity from *every county* for the first time ever! Can we do it again?

One reason the Salmon Run is getting to be popular, aside from the tasty smoked salmon prizes, is the excellent participation from hams and clubs across Washington state.

This year the contest runs on Sept. 18 and 19, and we hope that the ionosphere will grace us with the good propagation conditions that can be expected around the autumn equinox.

We'll have a great rack of prizes, as always, including a couple of plaques, the ever-popular smoked salmon and the well-received photo certificates.

Complete information about the Salmon Run is available at:

www.wwdx.org/salmonrun

If your members are planning a mobile trip or an expedition to a rare county, please be sure to let us know so that we can publicize it on the county operations list. This increases interest from outside the state and helps us work toward another Clean Sweep this year.

Salmon Run is a great warm-up for the contest season and shakes off some of the rust from the summer.

We'll be putting out additional bulletins as the date grows closer! If anyone has questions, please send e-mail to:

salmonrun@wwdxc.org

Good luck and hope to see you on the air Sept. 18 and 19.

Diabetes walk needs hams

Mark C. Whitaker / KD7KUN

Relay Correspondent

We are less than three weeks away from the annual American Diabetes Walk-a-Thon, which will be on Oct. 2 this year.

The walk will start from Seahawks Stadium—yeah, I know the name has changed ... but I'm still trying to get over calling it the Kingdome :-)

The walk will proceed along Alaskan Way to just beyond the Seattle Aquarium. The walk “officially” starts at 0900, but I will need my volunteers on the route by 0830.

If there are a few early risers, we will need some communica-

tion assistance starting earlier. I'm usually there by 0600 and we will have setup on Pier 63 around 0700, which is where I will need someone at that time. We wrap everything up by 1300 at the latest.

Let me know as soon as possible as to your availability for this event so I can report to the Walk director how many I will have. Also let me know your T-shirt size so I can get a volunteer shirt set aside for you.

For those who have participated in the past, I look forward to working with you again; for those who haven't joined us yet, please do so. It makes for a fun morning!

Dispatch from DL8GPB

Our area has been overcrowded this summer with vacationers from Norway, Denmark, Belgium and northern Germany.

Many people live in the middle of Europe or where population density is high and the streets are narrow. Consequently, many vacationers bring their bikes along with them and are going on tour in our area. There are times when you meet more bicycles than cars on trails and in the streets.

The first of these two photos I took shows a dock on Lake Constance, where one of the many ships stop to board passengers. About 1,000 passengers can sail on this ship

The bottom photo shows the airport—not far from our house—where there is an airship or zeppelin with passengers. My brother-in-law and his family flew on it.

With kind regards to all the members of the Mike & Key Club.

— Gerhard Pantzer
DL8GPB and KC7MAK



Hurricane Watch Net has the latest

With hurricanes threatening almost at the rate of one per week since mid-August, the Hurricane Watch Net has had a busy time of things.

Following a brief respite after seven straight days in operation, the HWN reactivated on 14.325 MHz at the end of last week for Hurricane Ivan. After wreaking havoc in the Windward Islands, Grenada, Trinidad and the northern coast of Venezuela, Ivan was expected to hit Jamaica by early Sept. 11.

HWN Manager Mike Pilgrim, K5MP, said he anticipates the net will remain active during 20-meter band openings until Ivan no longer represents a threat to

populated areas.

The HWN works hand-in-hand with WX4NHC at the National Hurricane Center in Miami to gather ground-level weather data and damage reports from amateur radio volunteers in a storm's path. The net relays these to forecasters via WX4NHC, which regularly checks into the net and also disseminates weather updates.

The recent hurricane activations also have generated an unprecedented level of activity on the HWN Web site, Pilgrim said. As a result, the HWN has issued a plea for contributions to purchase additional Web capacity.

The Hurricane Watch Net Web

site at www.hwn.org offers access to the latest weather forecasts as well as storm graphics.

The Salvation Army Team Emergency Radio Network on 14.265 MHz closed down Sept. 7 after five straight days of operation. During that time, the net handled 181 health-and-welfare inquiries.

"I continue to marvel at the stellar effort that amateur operators give across the nation when catastrophe strikes," said SATERN National Coordinator Pat McPherson, WW9E.

Some volunteer operators put in 14-hour days to guarantee people were helped, he said.

— *The ARRL Letter*

Even VHF'ers can use packet cluster

Michael Dinkelman / N7WA

President

Many of our newer members or newly licensed hams may not be aware of a locally available resource—the Northwest Packet Cluster.

This is an organization of packet nodes available throughout most of the Seattle metropolitan area (and beyond) that provides DX alerts.

Now, before you stomp off and say you don't do HF or DX, please realize that alerts are also frequently issued when 6 meters

opens up, 2-meter Aurora occurs or even the International Space Station shows up (a few examples are shown below).

Off course, there is plenty of real HF DX, too, that gets put on the system.

How do you access it? Well, you need packet and a two-meter radio. I think you can do packet with a sound card these days, so you're probably ready to go with a software download off the Internet.

Once you have a working packet setup, you'll need to find a packet node you can connect

up to. The main nodes and their simplex frequencies are:

VE7CQD	Vancouver	145.71
W7PKT	Auburn	145.73
W7DX	Bellevue	145.75
N7XY	Bainbridge Is.	145.77

You can hit many of these (or digipeat through someone else) with a small 2-meter Yagi. Once you get acquainted with the system, you can set up filters to tailor your alerts to your interest.

If interested and you need more information, drop me an e-mail and we'll see if we can get you started.

Some recent 6- and 2-meter alerts

50.065.0	KL7/KG0VL/B	07-Sep	0658Z	539 au e's	<VE7DUB>
50.125.0	K0HA	01-Sep	0348Z	EN10 (>CN84 S5	<W7EW>
50.069.5	N0UD/B	01-Sep	0222Z	DN87 - DM43	<K7TOP>
50.037.0	VE4VHF	31-Aug	0657Z	BCN into CO83	<VE7AV>
50.019.0	VE4ARM/B	31-Aug	0534Z	529 au e's	<VE7DUB>
145.800.0	RS0ISS	06-Sep	0421Z	Space Station Pkt/APRS	<XE2ARF>
144.258.4	W5JPT/135	05-Sep	2346Z	Mr Presidente!!!	<AL7GA>
145.800.0	NA1SS	05-Sep	1201Z	Space Station in voice	<XE2ARF>

Spread the word on Fellowship Day

Emery McClendon / KB9IBW

Special to the *Relay*

Amateur Radio Christian Fellowship Day, an event to allow hams to showcase the hobby to churches and to contact missions groups worldwide, will be held from 1800 to 2100 UTC Sunday, Sept. 26.

We will be letting the missionaries know what our churches are doing to support them, and sharing our missions projects with others via amateur radio.

It will also be a time for those who attend the event to say hello third-party to other church groups and missionaries live by amateur radio.

Please plan to join amateurs, churches and missions groups during this event. If you have any ideas or suggestions on how we can improve operations or make contacts with as many groups as possible, contact me at:

kb9ibw@yahoo.com

Let's work together to bless our churches and missions

groups, and expose the great hobby to those who may want to become amateur operators.

I am sure that the missionaries will welcome this type of event, as many of them have no other means to contact the outside world. It also shows that we support them, and are willing to work together with our communities to promote amateur radio, and community service.

Plan a program or outing and make it a family outreach for your church.

A teenager's common sense view on BPL

Editor's Note: *The club's Fred Roberts, W6TKV, sent the following along with this comment. "After reading this, I believe we will all hope there are more young men and women who are as articulate and well-informed as this young man. For many of us, his comments may provide us with our first clear view of BPL." The article has been edited for space.*

Benjamin S. Gelb / KF4KJQ

Special to the *Relay*

I have been a licensed amateur radio operator for eight years, completed multiple physics and electronics courses, and have countless hours of hands-on experience experimenting with radio and electronics equipment. I am a graduating senior at Thomas Jefferson High School for Science and Technology in Alexandria, Va., and will be attending MIT in the fall.

The following is in response to various comments on the NRPM (04-37) by Current Technologies and Ambient Corp.

Current Technologies asserts that its implementation of BPL "is noninterfering."

I dispute that. There seems to be a great division between those who believe BPL will be a source of harmful interference and those who do not. I contend this division is not a result of "misunderstandings about how BPL works" on the part of amateur radio operators and many other individuals and organizations, but rather a misunderstanding of basic physics by the FCC and Current Technologies.

The company states that "Access BPL devices do not use power lines as antennas. They use power lines to conduct data

signals, not radiate them."

I'm sure that Current Technologies' goal is to conduct signals rather than radiate them. Unfortunately, no matter how much they wish to deny it, they are bound by the same laws of physics as everyone else.

When an RF current is coupled into a conductor, that conductor will radiate. Period. This is because of the electric and magnetic fields created by the charge and current on the conductor.

In coaxial cable, the fields are contained by a shield at ground potential. In a balanced line, equal and opposite fields from correctly spaced parallel conductors mathematically cancel.

Power lines have RF characteristics that are irregular and variable, and do not resemble either type of feed line. Therefore, BPL systems that couple RF to the power line will cause the power line to radiate. Period.

This has been shown to be true in the real world. A video produced by the American Radio Relay League demonstrates actual received interference in four trial areas, one of which is operated by Current Technologies.

So far, the FCC's attitude seems to be to accept the word of BPL manufacturers as fact, no questions asked, despite the fact that many statements by BPL proponents and subsequently parroted by the FCC are embarrassingly nonsensical to someone with even the most rudimentary technical education.

Meanwhile, the FCC has dismissed actual testing and analysis conducted by many technically adept individuals, as well as organizations such as the ARRL, AMRAD and the NTIA as

"unsupported claims" that cannot "stand in the way of such an innovation as BPL."

Current Technologies states the debate has been "complicated further by the existence of several different technical approaches to BPL, each of which works differently."

They seem to say that while some implementations of BPL may cause power line radiation, its own does not.

This cannot be for the reason addressed previously—all BPL systems will cause power line radiation. But assuming for a moment that Current has found a way around the laws of physics, it is clear that each of the "different technical approaches" to BPL needs to be addressed individually in the new rules, because even if Current Technologies' implementation may not cause interference, others will.

More curiously, no sufficient detail has been provided regarding the operations of *any* of the "different technical approaches" or what technical property gives Current Technologies' system the ability to prevent power lines from radiating.

It boggles the mind to think that the FCC plans to implement effective new rules without evaluating such technical details.

This is not a matter of science, but one merely of common sense. A wider signal bandwidth means that BPL signals will occupy a greater set of frequencies. Therefore, there are more frequencies where interference may occur. An isolated interfering signal of narrow bandwidth often does not constitute harmful interference because, while

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ARRL emergency comm courses are free

Edward W. Bruette / N7NVP

ARRL WWA Section Manager

We've all been watching the ugly weather situation on the East Coast. Some of us have family and friends there. In my case, I have both and some are in the affected area.

Thank God they are all safe. Hopefully, all your Floridians (and those in other areas) are safe, too.

There are a number of ways to help the folks in the affected area. If you are not already trained and affiliated with a relief agency such as Red Cross or Salvation Army, the best way to help is with a cash donation to an agency that is actively engaged in the recovery effort.

We do have some WWA hams on their way to Florida in support of the Red Cross effort.

If you have Web access, please see the "WWA Hams Aid Red Cross in Hurricane Response" story at:

www.arrl.org/sect/wwa

SEC Jim Pace, K7CEX, has been in touch with the ARES leadership in Florida and sent this message to our DECs. Please heed his advice.

From: jdp

Sent: Thursday, Sept. 9,

2004, at 07:53 A.M.

Subject: Florida update

All: I just got off the phone with one of the Florida SECs and have the following information: At this time, there is no need for out-of-area response for mutual aid.



Anyone who thinks they'll respond to an emergency or disaster should have Level I at a minimum.

Although they are working long hours and things are pretty messed up, they have it under control—as best as they can in these circumstances.

Florida appreciates all the offers of help; and if Ivan hits with the force that they see now, there may be additional folks needed. However, all requests for mutual aid will come through the SECs, SMs, Red Cross or FEMA.

Well-meaning folks who just show up just add to the confusion. If and when they need help, Ed or I will let you know.

Many thanks for all those

who have contacted me asking; your zeal and dedication is noted and very much appreciated. I'm glad you are part of our section team.

Emergency training: This is a good place and time to put in a plug for the ARRL's Emergency Communication Level I, II and III courses.

As a League member, all three levels are *free*. All you have to do is complete the course and the registration fee of \$45 will be refunded.

It's tough to beat a deal like that. If you have friends who are not League members, they can take advantage of this grant by becoming ARRL members for just \$39 a year.

Registration is open for the Level I course. The Level II course registration will open Monday, Sept. 13, and Level III the following Monday.

If you have not yet taken the courses, I highly encourage you to do so. Anyone who thinks they will respond to a communications emergency or disaster should have Level I at a minimum. All ARES emergency coordinators and district ECs should have at least Level II.

For details, see:

www.arrl.org/cce

ESAR can use your help—even from home

Continued from Page 1

late September or October, we're going to train new ESAR COMM operators. We'll show you how to do everything you need to do so that when you are on a real mission, you're ready.

Take some time to call or write

now. This is important work that really needs to be done and you can help no matter how limited you are in what you can do. If you can get to a phone and have an HT, you can do the job.

Even better, if you can get to a phone and an Internet connection, you can do it better. We'll show you how.

If you have any questions or want to volunteer to help, contact myself (Terry Dettmann, WX7S, radio officer) at 425-941-0618 or at wx7s@cfsystems.org.

Even better, go directly to Jim Telgenhoff, KB7EVY, at 206-725-6249 or at jwtesar@psnmail.net.

Either one of us will be happy to get you started.

From the Mike
& Key ARC:
Volume 1, Issue
16 of the K7LED
Relay 30 years
ago:



30 Years Ago in the Relay

◆ It is requested that you make a maximum donation of \$10 to the WR7ACS repeater fund.

◆ The club inventory is growing and includes a trailer that will carry the club's 50' crank-up. Still, some work parties are needed to get everything ship-shape.

◆ Plans for the upcoming (1975) Santa Talks are in the works. The team will definitely be headed for Children's Orthopedic and plans are to get into Harborview, Overlake, Providence, Swedish, University and Group Health as well. Start practicing your "Ho-Ho-Ho's"

◆ There is a call for favorite recipes from the XYL (or YL). Bette Free's Surprise Meat Pie was featured in this issue.

◆ The current meeting location is in jeopardy—please be on the lookout for a new one.

◆ Bette Free's Surprise Meat Pie.

Common sense view on BPL

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annoying, it can be easily avoided by simply moving to another frequency. A broad band BPL signal, on the other hand, could quite easily consume an entire *band* of operating frequencies, which are normally only a few hundred kHz wide in the HF range. There is a grave difference between a single narrow band signal and a broad band one like BPL.

The coexistence of Access BPL with other critical uses of spectrum is not a goal to be achieved; it is a *bedrock requirement* for operation under the non-interferences conditions of Part 15 rules. Compliance to this condition must be demonstrated *prior* to operation of Access BPL systems.

To quote from the Part 15 label on the back of a small electronic device on my desk, "this device may not cause harmful interference."

This is a stark contrast from the interpretation of the rules regarding BPL, which goes something like, "BPL systems may cause interference, as long as some effort is made to correct said interference once it is identified by a party receiving interference."

This is simply backward.

Items for sale

◆ Kenwood TS-50 and AT-50. Both in original boxes with all manuals and cables: \$500 obo.

◆ Icom IC-735 with power supply. Packed in hard suitcase and ready to go. Plastic window cover also: \$375 obo.

Contact Jack N7ZS at 425-454-3617 or:
n7zs@comcast.net

Estate sale

The following items are from the estate of C. Bennett, WA7SXF:

- ◆ Trio antenna tuner AC200.
- ◆ Icom IC-745 HF transceiver.
- ◆ Icom SP-3, which matches the 745.
- ◆ Microphone.

Prefer to sell as a group for \$500.

Also:

- ◆ Yaesu FT-50R HT: \$150.
- ◆ AEA MM3: \$50.
- ◆ Trio ac/dc converter: price negotiable.
- ◆ Microphones/cable sets and other

parts.

All items are in pristine condition.

Contact Jan K7YH at 206-824-9039

Antennas for sale

◆ KLM KT34XA Triband HF beam, practically new, *nice* antenna: \$300.

◆ New in box HyGain 66 DX 6-element 6-meter beam: SOLD—\$100.

◆ 5-element 2-meter beam: \$30.

◆ Stationmaster 2-meter array omnidirectional: \$100.

◆ Stationmaster 440-meter array omnidirectional: \$100.

◆ 8-element 2-meter beam: \$50.

◆ Morad marine antenna 12025 2-30 MHz: \$50.

◆ Homebrew 3-element 20-meter ¼-wave Yagi: \$50.

◆ HyGain LJ204BA 4-element 20-meter monoband: \$150.

◆ 10-meter vertical: \$50.

Contact Adrian Roth at:

kb7bvl@comcast.net

Officers present:

President – Michael Dinkelman (N7WA)
 Vice President – Sam Sullivan (N7RHE)
 Secretary – Gary Bryan (KG7KU)
 Treasurer – Jack Grimmatt (N7IHS)
 Activity Manager – Adrian Roth (KB7BVL)
 Radio Officer – Terry Dettmann (WX7S)

Trustees present:

No. 1 – Scott Robinson (AG7T)
 No. 4 – Richard Pasquier (N7MER)
 No. 5 – Dave Smith (KB7PSN)

President Dinkelman called the meeting to order at 10 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 N7HKO and seconded by Richard N7MER to approve the minutes of the previous meeting as printed in the *K7LED Relay*. Motion passed.

Officer Reports**Officers present:**

President – Michael Dinkelman (N7WA)
 Vice President – Sam Sullivan (N7RHE)
 Secretary – Gary Bryan (KG7KU)
 Treasurer – Jack Grimmatt (N7IHS)
 Activity Manager – Adrian Roth (KB7BVL)
 Radio Officer – Terry Dettmann (WX7S)

Trustees present:

No. 1 – Scott Robinson (AG7T)
 No. 2 – Dick Radford (WA7NIW)
 No. 3 – Steve Cook / CoB (KD7IQL)
 No. 5 – Dave Smith (KB7PSN)

Visitors: Jim Etwiler, KD7BAT.

Chairman Cook called the meeting to order at 7 P.M. at the Salvation Army Building in Renton, Wash.

Minutes: Motion by Dave KB7PSN and seconded by Terry WX7S to approve the minutes of the previous meeting as printed in the *K7LED Relay*. Motion passed.

Officer Reports

Chairman of the Board – Steve

General Meeting Minutes August 21, 2004

President – Mike N7WA: Next board meeting is Aug. 25. Next general membership meeting is Sept. 18.

Vice President – Sam N7RHE: No new member applicants present.

Secretary – Gary KG7KU: The August '04 *Logger's Bark*, of the Radio Club of Tacoma, is available. Also received in the mail: North Kitsap Hamfest & Electronics Swapmeet, Oct. 9, Kitsap County Fairgrounds, Bremerton, Wash.

Treasurer – Jack N7IHS: Issued the P&L statement.

Radio Officer – Terry WX7S: Emergency Readiness sub-group concept should move forward.

Activity Manager – Adrian KB7BVL: Raffle items are available, please participate. Annual club picnic follows the meeting today. See *Relay* for directions.

Chairman of the Board – Steve KD7IQL: No report.

Standing Committee Reports

Technical – Richard N7MER: Mike N7WA - Technical CDs are available.

Education – Dave KB7PSN: No report.

Facilities – Steve KD7IQL: No report.

Public Service – Dick WA7NIW: No

report.

Strategic Planning – Carolyn Pasquier WV7Q:

Public Service Communications – Gary KG7KU: Public service opportunities are listed on the slips of paper located at each of the tables.

Field Day – Steve KD7IQL: No report.

Picnic – Mike, K7OV: Any and all are encouraged to attend.

Alligator Award – Calvin KC7IYP passed this prestigious award, perhaps reluctantly, to Mike K7OV.

Old Business – No old business.

New Business – No new business.

Good of the Order

Mike N7WA raised the concept of reviewing the Flea Market fee schedule. Some discussion followed.

Dan N7QHC provided a picnic incentive of several HotPress free Ham Hat vouchers—attend and receive one.

Paul K7STQ asked members to review the roster, published in this month's *Relay* for accuracy.

There being no further business, Richard N7MER moved and Paul K7STQ seconded a motion to adjourn. Approved and President Dinkelman closed the meeting at 10:31 A.M.

Attested: Gary Bryan – Secretary, KG7KU

Board Meeting Minutes August 25, 2004

KD7IQL: Nothing new to report.

President – Mike N7WA: Nothing new to report at this time.

Vice President – Sam N7RHE: Review of new membership applications.

Secretary – Gary KG7KU: Nothing new to report at this time.

Treasurer – Jack N7IHS: Nothing new to report at this time.

Activity Manager – Adrian KB7BVL: Activities lined up through end of year.

Radio Officer – Terry WX7S: Repeater preparations are coming together. Amplifier has been identified and is ready to be placed on order.

Committee Liaison Reports

Facilities – Steve KD7IQL: Nothing new to report at this time.

Strategic Planning – Carolyn Pasquier WV7Q: Nothing new to report.

Technical – Richard N7MER: Noth-

ing new to report at this time.

Public Service – Dick WA7NIW: Nothing new to report at this time.

Education – Dave KB7PSN: Homing in on the places and times available for the Technician class.

Old Business

Jim KD7BAT is working on ideas for Web site revision. Will send the board e-mail attachment conceptals.

New Business

Mike N7WA mentioned that Harry W7JWJ had asked about an online mentoring program. This being new, there needs to be more information as to what it is and how it works.

Good of the Order – No items.

There being no further business, Dick WA7NIW moved and Scott AG7T seconded a motion to adjourn. Approved and Chairman Cook closed the meeting at 7:33 P.M.

Attested: Gary Bryan – Secretary, KG7KU





Ham Nets & Events September / October 2004

Nets are on 146.82 unless indicated otherwise
Send calendar items to the Relay editor: k7stq@arrl.net

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
12 2000 — King Co. ARES (weekly) 2000 — Amateur TV net: 147.08 (weekly)	13 0545 — Weather net: 145.33 (M - F) 1645 — Weather net (M-F)	14 2000 — Snoho. Co. RACES: 146.92 (weekly)	15 2000 — General Info & Tech net: 145.33 (weekly)	16 1900 — Pub. Service net (weekly)	17 2000 — Youth net: 145.33 (weekly)	18 0900 — Club net 1000 — Club mtg. Wash. State Salmon Run (Sat. - Sun.)
19 2030 — Snoho. Co. ARES: 146.92 (wkly.) North American SSB Sprint	20	21	22	23	24	25 CQ WW RTTY DX Contest (Sat. - Sun.) Autumn Leaf Festival Leavenworth
26 2200 — Northwest Astronomy net: 145.33 (weekly)	27 1800 — WARTS: 3.970 (daily) 1845 — WSN I: 3.658 (daily)	28	29 1915 — Board mtg.	30	1	2 0900 — WA Emerg. HF: 3.985 (weekly) Diabetes Walk-a-thon Seattle Issaquah Salmon Days
3 Oceania SSB DX Contest Kitsap Color Classic Kingston - Poulsbo	4 1900 — Elmer's net: 145.33 (weekly) 2000 — YL net: 145.33 (weekly)	5 2000 — Maple Valley ARC/ARES: 146.54 (weekly)	6 2030 — WARFA swapnet: 3.908 (weekly) 2100 — NWSOAR net (weekly)	7 2000 — Computer & Packet net: 145.33 (weekly) 2000 — Amateur TV net: 147.08 (weekly)	8 Relay deadline	9 North Kitsap Hamfest Pennsylvania QSO Party
10	11 1730 — Puget Sound Traffic Sys. (daily) 1830 — WA Emerg. HF: 3.985 (weekly)	12	13	14	15	16 0900 — Club net 1000 — Club mtg. 1300 — Ham exams Mount Hood Rally Mount Hood, Ore.