



Our hobby's about more than Ham radio

Michael Dinkelman / N7WA
President

One of the nice things about this hobby is that you can travel around the world and have an instant friend or you can meet a total stranger traveling here from around the world and you have an instant friend. All because of Ham radio.

This past week Danny K7SS of the WWDXC (my *other* club) put out a notice looking for folks interested in meeting a Swedish Ham. Hawk/SM5AQD would be flying in to pick up an amplifier while on his way to a convention in Washington, D.C. (Yes, it's cost-effective to fly from Sweden to D.C. via Seattle because of the expense of importing Ham gear into Sweden.)

Hawk met Danny and others in the Seattle area back in 1980 and was looking to hook up again. My involvement began when Danny extended a lunch invitation to all through the WWDXC reflector. That sounded great to me and said I would be there.

I asked Danny if Hawk would

prefer staying someplace else other than the airport or a hotel as I had a free bed in the shack. He told me to ask, and the answer came back fast that it would work for Hawk and save a few dollars, as well.



Mike N7WA

Hands across the sea: Hawk/SM5AQD from Sweden works on Mike's tower.

Hawk was coming in late Saturday afternoon and leaving late Sunday evening. I arranged to meet him at the airport and everything went off without a hitch. I was expecting one tired ham (it's a long flight), but he was talkative and very interesting.

Once home, I told him he had free reign of the place—just make himself at home and not to feel he had to entertain. I cooked a BBQ dinner and we ate. Afterwards, it was a steady stream of interesting conversations about family, radios and looking at pictures. Even Diane enjoyed herself as it wasn't all Ham talk. Around 9 P.M., he finally gave in to the effects of the trip.

The next day, we had time to kill before the lunch date so I sorta put him to work. I had planned on getting a Tic-Ring off the bottom of the tower (for testing) for eventual movement up the tower.

He had never seen one before, so I showed him how it worked and then set about dismantling the thing. It wasn't long before he was doing the work. (Tom Sawyer knew his stuff.)

We finally headed up to Seattle to meet Danny. We got there a bit early, so a walk through the International District was in order. We couldn't have picked a better Seattle day. When lunch

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The Inside Story

Mike & Key members turn out to help support Husky crew races.

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Learn some hot tips about soldering and propagation.

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The lowdown on where to stay and what to do at Field Day.

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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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Webmasters	Jim Etwiler / Dave Smith	KD7BAT / KB7PSN	kd7bat@arrl.net	206-633-1512

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.

CQ for SEAFAIR and Field Day help

Michael Dinkelman / N7WA

President

First, I want to apologize for the length of the last meeting. Unfortunately, the requirement to elect two new officers really hurt my attempt to keep the business portion of the meeting to 60 minutes or less.

On the plus side, we did get our two new officers and I would like to welcome Richard Pasquier, N7MER, and Adrian Roth, KB7BVL,

From the Hot Seat

to the board. I hope you find it to be an enjoyable experience. We wish John Long and Bing Clisbee good luck and hope they come back to the board when circumstances allow.

Last month, if you previously worked a SEAFAIR event, you probably received a schedule of upcoming SEAFAIR events that need your help as communicators. If you didn't receive such a request or are new to the area, never fear; you're help is wanted, too.

SEAFAIR is a series of community festivals and parades that winds its way, for the most part, through July and August. The grand event is the nationally recognized Torchlight Parade in Seattle at the end of July.

An organization called the SEAFAIR Marshals provides the operational know-how for running

Torchlight and most of the community parades. The SEAFAIR Marshals use Hams as their eyes and ears along the parade route.

If you have a 2-meter handheld and some free time, your assistance would be welcomed and appreciated. It's a way Amateur Radio operators can give something back to the community, have fun, and get a bit of training in a controlled radio environment. You also get the best view of the parade.

If this activity interests you, I strongly suggest you contact Tom Ramus, WB7OUT, or Pam N7PRS and Gary KG7KU Bryan. All are listed in the roster or you can check out the SEAFAIR Parade Marshals Communicator Web page at:

www.seafairparademarshals.org/hamsignup.php

Looking ahead to June, it's not too early to start thinking about Field Day. While the Station Committee chairs are appointed, you might want to think about lining up some vacation time and volunteering to help the chair of your favorite band / mode.

Down at CW Beach, we're already making plans. What's really amazing is that the SSB folks have been a bit more proactive this year getting Thumper (the generator) and damaged antennas fixed up.

It's always a fun time at Fort Flagler for Field Day. Reserve June 25-27 and come check it out.

For more about Field Day, see Page 6.

Hams on hand for Husky crew races

Terry Dettmann / WX7S

Radio Officer

You missed the fun! Public service events are a fun way to do Amateur Radio and here's one you missed.

The Husky crew races on Opening Day are a world-class event and Amateur Radio is not just a part of it. Amateur Radio is



It's a fast and furious push to the finish line along the Montlake Cut in Seattle.

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Key Club Dates

Next General mtg.: **May 15**

Board mtg.: **May 26**

Relay deadline **June 11**

Electricity runs like water in a pipe

Michael Dinkelman / N7WA

President

It's becoming apparent to me that, with weekend licensing courses and a primary emphasis on learning the question pool, many newer Hams really don't have a grasp of electrical basics unless they come by it professionally.

Since homebrewing is virtually nonexistent these days, that avenue of enlightenment is also lacking. However, you can't avoid it: This hobby is a lot more enjoyable (even if you don't think so) if you actually know something about how things work and what those funny parts in the radio do.

So, I have decided to begin a monthly series of articles on basic electronics. This will be *way* beneath many of you, but I'm hopeful that it might be helpful to some who would not otherwise crack open the *ARRL Handbook* or an electronics text.

What is electricity?

In simplest terms, electricity is the flow of electrons in some kind of medium. When you have electricity, you have electrons moving in vast numbers from one atom to another.

The simplest analogy for me is to think of electricity like water flowing in a pipe. Like water, electricity has a "current" which, instead of gallons, is the number of electrons flowing past any particular point. (It's a really big number and way beyond our level of discussion.)

Also like water, if you increase the pressure on the electrons, you can force a larger flow or current. For electricity, though, the term we use for pressure is called "voltage."

Of course, water doesn't flow freely in a pipe; there is resistance in the form of friction, gravity and the size of the pipe. Electricity also meets resistance as it flows, but the resistance comes from how difficult it is to bust loose those electrons from one atom to the next.

Some materials, like metals, have atoms with electrons that are really easy to move. We usually call those *conductors*. Some materials require a lot of pressure (voltage) to bust loose those electrons—like glass, plastic and air. We call those *insulators*.

First in a Series

If you apply enough pressure, you can cause some insulators to become conductors (reluctantly) just like you can burst a water pipe.

When talking about electricity, we measure our current in *amperes* (amps for short). We measure our pressure (*voltage*) in volts. We measure our resistance to electron flow in *ohms*.

By the way, one ampere is a really big value for our work in Ham radio, so we usually chop it up into smaller fractions, such as 1/1,000th (milliamp) or 1/1,000,000th (microamp) of an ampere. For volts and ohms, we frequently describe many multiples of those values by using kilo (x1000) or mega (x1,000,000). A kilovolt is a thousand volts and a kilo-ohm is a thousand ohms.

With water, there is a direct relationship between pressure, resistance and the flow of the water. It seems kind of obvious: The less resistance, the more water that will flow for a specific pressure. The more resistance

you have, the less water that will flow for a specific pressure.

Electricity works the same way. The more voltage you apply, the more electrons (current) will flow for a specific resistance. The less voltage you apply, the fewer electrons that will flow in a conductor of specific resistance.

For a conductor with 1 ohm of resistance, if you apply 1 volt, you will get 1 ampere of current. This relationship can be described mathematically as Current x Resistance = Voltage.

Swapping things around, this also means that Voltage / Current = Resistance and Voltage / Resistance = Current.

That's as far as we are going to go into the math. However, it does show that *if* you know two of the values, you can always calculate the third one.

Safety note: Electricity can kill. It's the flow of electrons (current) that will do it and it doesn't have to be very much (mere milliamps).

Your body can safely handle thousands of volts (like static electricity), if there is no real current flow through your body. However, if you present a path for sufficient current through your torso, you can interrupt your heart's electrical activity and die.

Always treat *any* electrical supply with respect, no matter the voltage or current capability.

Well, that's it. You should have a pretty good idea of what electricity is, the relationship between its components (pressure, current, resistance), and the way it behaves in certain materials. You won't qualify as a physicist, but that wasn't the purpose of this article.

Next: resistors!

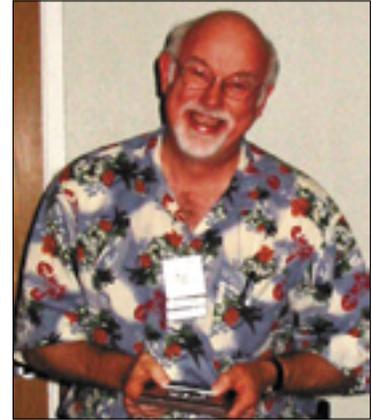


Left: Rita KD7CNU, also known as the “Barracks Mom,” received her 2003 Field Day MVP Award at the April meeting. **Right:** Scott AG7T snagged the MVP award for

More of Mike & Key's best and brightest



this year's Flea Market. **Center:** Ronnie KC7UFS and Mike K7JML LaFerla were honored with Outstanding Service Awards for their wide-ranging help to the club.



Paul K7STQ

Learn some hot tips about soldering

Michael Dinkelman / N7WA

President

On request, the Technical Committee will sponsor a basic course in soldering before the May club meeting. The course will start at 9:25 A.M. and last until 9:45.

Programs & Activities

Needless to say, this isn't an in-depth study of soldering, but it will cover the tools, materials and some basic techniques required.

If there is sufficient interest and more instruction is desired, we can follow up in succeeding months with additional practice or special soldering techniques such as those needed for PL-259s or surface-mount components. (I really feel it's better not to jump right into soldering something like PL-259s without going over basic soldering first.)

A perspective on propagation

Scott AG7T will lead a discussion on propagation after the May general meeting.

He plans to start by presenting a few videos of propagation as indicated by the club's Field Day 2003 log files. They really show off which bands are our workhorses as we head toward the solar cycle minimum.

Then he'll discuss ionosonde theory with some of the common terms. Scott promises only a little bit of math!

He'll wrap up by using VOACAP and VOAAREA as examples of prediction programs to look at some specific issues that showed up in the videos. Since conditions this year will be similar to last year, it will be a heads-up on what you might expect to see in June.

Due to the limited time available, participants should be in place by 9:25 A.M. We'll meet in the small classroom (if it's open) adjacent to the main room.

Please bring your own soldering iron, if you have one, and come early enough to plug it in and allow it to warm up before the class starts. The more irons

available, the less sharing required and the more soldering we'll be able to do. I will provide solder (feel free to bring your own) and some items to solder.

If there are others who would like to assist me in teaching the class, help is always welcome, especially when we get to actual soldering.

Beds are going fast in the barracks

Rita Danielson / KD7CNU

Field Day 'Barracks Mom'

This is your Mother speaking. Well, your Barracks Mom, anyway.

As usual, the beds are filling up fast in the barracks this year. We had six beds remaining as of Friday, April 30. If you need a bed for Friday and Saturday night, or even just one of those nights, please e-mail me ASAP at gamatoad@aol.com. I check my e-mail daily and will reply.

What all is involved in staying in the barracks? I provide breakfast and a clean, comfortable place to stay. You provide your own bedding, lunch for Saturday, contributions for the potluck Friday and Saturday evenings and some muscle for the cleanup on Sunday.

I do not, repeat *do not*, give showers to those needing them. I figure if you are old enough to operate a mike or a key, you are old enough to take your own showers. If you weren't at the April meeting, you missed our illustrious Field Day co-chairman, Brendan, lunch on his foot—not just one, but both.



Field Day 2004
June 25 - 27
Fort Flagler

There is a full-service kitchen in the main barracks for you to stow your food. Coffee will be flowing all day Saturday.

A couple of jigsaw puzzles will be going and I'm sure the beading trio will be making their beautiful creations, as well. You

are more than welcome to stop in and say "hey," even if you're staying at the Wagon Wheel or on the beach. The more the merrier, except for the nights. We only have 29 beds.

I still have not decided on a breakfast menu, but I promise you won't be disappointed.

I'm sure Larry and Rachele will keep us all entertained with their endless supply of wit.

Speaking of ... If April show-ers bring May flowers, what do May flowers bring? What? You don't know? Why it's Pilgrims, of course.

I'm not sure if I'll be at the May meeting as Rachele is in the Viking Fest parade in Poulsbo and I think it's that weekend. But I will be at the June meeting.

See you all there — Rita KD7CNU, aka "Barracks Mom."

Ready for a weekend of worldly fun?

Heads up, folks! We're just a month away from Field Day 2004!

I know many of us tend to be procrastinators, but a few are already champing at the bit, preparing or at least making plans for the trek over to the peninsula for a weekend of camping and little sleep June 25-27.

To those who are new to the club or have never ventured out on this event, may this attendee of at least four or five in as many years encourage you to consider making this a family outing!

If you can't get the Friday before the event off, consider coming over to Fort Flagler on Marrowstone Island right after work, as we (N7QHC and KC7YYB) did many times before Dan's retire-

ment.

If you don't have a means of camping, reserve a room at the barracks. Bring your sleeping bags, pillows and toothbrushes. You'll have most of the comforts of home, as well as breakfast prepared for you by our "Barracks Mom," Rita.

Sights & Sounds by Sunrise

Now, if you have a tent, RV, station wagon or minivan, you can let the "wagon master" know that you will be needing a space in the Wagon Wheel.

This is the area stationed around the shelter where we have our "camp cook" and his "big unit" set up to fix the good-

ies that augment the items we all contribute to the Friday night potluck. With Wayne and Diane's preparations and the rest of the campers' concoctions, no one will go to bed hungry.

In fact, after your dinner has begun to settle, there are always those who bring out the graham crackers, chocolate bars and marshmallows to complete the evening's repast with "s'mores" over the crackling fire that gets a boost from Wayne's "super match" to get going.

After "s'mores" and lamps are lit over the clustered picnic tables, there's more often than not a rousing game of Mexican Train. Never heard of it, you say?

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Editor's note: The ink on election ballots had barely dried when circumstances prompted Activity Manager John KW7A and Bing KG7SF, trustee no. 4, to step down. Please welcome Adrian KB7BVL and Richard N7MER, who came forward to take over.

Meet our new activity maven

Adrian Roth / KB7BVL

Activity Manager

I am a "local girl," having grown up in Kirkland, but I've lived in Georgia and Virginia.

During our short time there, I was fortunate to see much of the East Coast. We traveled to many historical places, including Williamsburg, Va., Washington, D.C., Philadelphia, Amish country and the Shenandoah Mountains.

I've observed many different lifestyles in the United States, but I still love the Pacific Northwest the best.

I graduated from Bellevue

Community College with a degree in marketing management.

Last month, I became trustee no. 4 on the board, and I'm responsible for long-range planning.

I've held a Tech-Plus license since 1988. Shortly after I received my license, I became active in community service.

Since I'm a skier, my first activity was the Special Olympics at Crystal Mountain. That's where I met my husband, Paul, N7DOH.

We still like skiing and Ham radio together, so I guess you can say that Ham radio had a large influence on my life.

All in the family for N7MER

Richard Pasquier / N7MER

Trustee No. 4

I became a Ham in January of 1989, call sign N7MER.

Communications was a key part of the four years I spent in the U.S. Army as a 31V communications technician and operator. I was based at Fort Knox for two years, working on M-1 Abram tanks, and 18 months in Turkey.

I've been a member of the Mike & Key Club, off and on, since 1990. I moved to Portland with my wife in 1992, then back to Washington in 2002.

Field Day is my favorite Ham radio activity, so even

while in Portland I would come north to join the Mike & Key in June. I have been in charge of the 15-meter band for the last three years.

I enjoy working Torchlight and other parades, and am getting more involved with the club now that I am permanently back in Washington.

I married my wife, Jennifer, 11 years ago, and we have three children: Morgan is 8; Lindsey is 3; and Aric is just 18 months old.

The club is a real family affair for me since I'm the son of Carolyn WV7Q and the brother of Adrian KB7BVL. That, of course, makes Paul Roth, N7DOH, my brother-in-law.

Public Service Events

Sunday, May 16 Capitol City Marathon

Olympia

Contact: Lee, KI7SS

360-866-0800

ki7ss@arrl.net

Monday, May 17 Nordic Days Parade

Ballard

Contact: Tom, WB7OUT

206-784-9243

bc994@scn.org

Saturday, May 22 Am. Diabetes Bike Tour

Orting

Contact: Mark, KD7KUN

425-881-6260

mcw@mwlink.com

Fri. - Sun., June 4 - 6 Wash. Special Olympics

Fort Lewis

Contact: Colleen, N7LEX

425-316-8021

ccurrid@msn.com

Saturday, June 5 Salty Sea Days Parade

Everett

Contact: Tom, WB7OUT

206-784-9243

bc994@scn.org

Saturday, June 5 Dryad Quest Rally

Shelton area

Contact: Alex, KD7RAX

pergatory@pagematrix.com

Sunday, June 6 Shitepoke Rally

Shelton area

Contact: Alex, KD7RAX

pergatory@pagematrix.com

Saturday, June 12 Sound to Narrows Race

Tacoma

Contact: Dana, KD7KPZ

360-897-9015

kd7kpz@arrl.net

One dollar buys you a bounty of stuff

Michael Dinkelman / N7WA

President

With the help of a few club members, a CD-ROM was produced with over 139 megabytes of Amateur Radio and computer-related programs.

A number of copies were given away in the March raffle. If you're interested, a copy of the CD is available for the asking (and a small donation to the coffee / doughnut fund).

Here's what's on the CD:

Computer Utilities

Eudora
File Compression
Firewalls – Spyware Detection
Opera – third-party browser
pdfWriter
SoundCard
Time Sync
VOIP

Digital Modes

AGW Packet Engine
APRS
Digipan
EchoLink
MM
WinWarbler
Ham Helper

Homebrewing Utilities

Coaxtrap
Toroids

Logging Programs

Contest Logger
DX4Win Demo
VHF Logger
N1MM Free Logger
WinLog32
XMLlogger

Propagation Tools

Beacon Time Wizard Demo
BeaconSee
DXAtlas
GeoClock
VOACap
Satellite

W6ELProp
WinCap3 Demo

Just having this CD can save a lot of time downloading off the Internet. You might see something that piques your interest in one of the demo programs and decide it's something you might want to buy.

If you want a copy of the CD, all I ask is that you send me an e-mail so I can make you up a copy (no, I'm not making extras) and throw a buck into the doughnut fund at the next meeting (you're honor-bound to do so).

By the way, if this has you thinking of something bigger and better (a second edition?), feel free to run with the idea. It would work even better as a group effort. After all, there is another 600 megabytes worth of space left on the typical CD.

Enjoy a front-row seat when you help

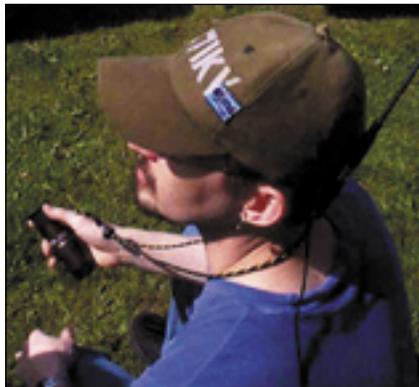
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essential to its success.

Like any public service event, it starts with all of us getting together to brief and make assignments. Dick WA7NIW coordinates our response. He is responsible for its success and each year gets enough people to make it work.

This year, in addition to Dick, we had:

KB7KIF Tom
KD7WNV Robert
W7EOH Fred
KD7IKV Brendan
WX7S Terry
KG7KU Gary
N7PRS Pam
N0YC Ted
N7NOZ Paul



Brendan KD7IKV was among the Mike & Key members on hand to provide support at the Husky Crew races.

KB7FGV Stephen

After the briefing, we arranged ourselves from the starting line to the finish line, ready to call for help, if needed. Two locations are essential to the actual running of

the race.

At the starting line, each race start is announced on our 2-meter simplex frequency and then at the actual start, a touch tone is transmitted for all to hear.

At the finish line, a scanner tuned to the simplex frequency feeds the audio into a computer, which triggers on the touch tone to mark the start of the race. At the end of the race, a button held by the timer marks the completion of each boat.

What more could you ask for? Front-row seats, direct involvement and lots of fun.

Check the list on Page 7 of this *Relay* or at the May club meeting and volunteer to help at the next event. You won't regret taking the time.

General Class course offered by Tacoma radio club

Our hobby

Continued from Page 1

did happen, there were several hours of great Ham talk.

Danny invited Hawk over to see his place. I had never been to Danny's, so it was treat for me, as well. Tom K7RI came over and more hours went by with plenty of talking.

We finally had to end it all because we had to get back, pack the amplifier and get Hawk to the airport early to run the gamut of security with all those electronics. But first, we ran by Tom's, which Hawk had visited 24 years earlier. This was another treat for me as I love checking out the station of local legends. Then we had to go.

It took another couple of hours to get home, get the amp packed and finally make our way to Sea-Tac. I think I got him there with an hour to spare and said my goodbyes. I don't think the weekend could have been more fun.

So, the next chance you get to meet a Ham from around the world, take it. It ain't all about just radios, ya know.

The Radio Club of Tacoma will sponsor a General Class course beginning May 10 for five Monday evenings. The course is free; the book costs \$15.

This will be the last class before the new question pool goes into effect on July 1.

Contact Jerry W7BUN at 253-845-7652 or w7bun@wa.net.

What in the world to do at Field Day

Continued from Page 6

Now's your chance to learn one of RVing's most popular games.

Some people take part of their vacation time to arrive on Thursday to get settled in so they can be up bright and early on Friday to get tents put up, wires strung, and a lot of the basics done, so that when others begin arriving they can get the antennas situated and guyed, etc., hopefully all before chowtime.

On Saturday morning, when the sun makes its appearance and most have eaten, the band chairs make sure their sites are all set and ready to go when the "official clock" says "Go!" Then the tents are all a'chatter with "CQ contest, CQ contest, this is K7LED calling CQ contest."

If you're not yet qualified to run higher frequencies, never fear, this is your chance. Because someone who is qualified will be there as the control operator, you may try your hand at making a few contacts or logging.

The last two years, we had a special "GOTA"—Get on the Air—tent set up for anyone, li-

censed or not, to be able to sit in and make a few calls, or learn how to log for the person who is operating.

Lest anyone should think there's nothing for non-hams to do, never fear! If the weather is nice (which it usually is, except maybe for a chill wind), you and others of like persuasion might go bicycling in the park, walking the many trails or taking a half-hour's ride into Port Townsend to visit the many shops.

Of course, there's always low-tide beachcombing, and with the last wind storm we had who knows what treasures have washed up on the beach just waiting to be found.

One more thing: There is usually an "Information" table set up at the head of the bluff entry to the stations, and the club gets points for having visitors stop by and sign in. So if the only thing you can/want/wish to do is come see what we're up to, please sign our log for us.

Who knows? Maybe Field Day will be in your plans for what to do the last weekend in June.

73, KC7YYB Dawn

Officers present:

President – Michael Dinkelman (N7WA)
Vice President – Sam Sullivan (N7RHE)
Secretary – Gary Bryan (KG7KU)

Trustees present:

No. 1 – Scott Robinson (AG7T)
No. 5 – Dave Smith (KB7PSN)

Special meeting to vote on four prospective members, prior to General Membership meeting.

Board Meeting Minutes April 17, 2004

President Dinkelman called the meeting to order at 9:20 A.M. at the Salvation Army Building in Renton, Wash.

The four prospective members were voted on and approved for membership

voting.

They are: Curt Black WR5J, Doug Johnson KD7RIK, Nabila Mashiyat KD7ZWP, and Alan Shield KD7NPH.

There being no further business, Sam N7RHE moved and Scott AG7T seconded a motion to adjourn. Approved and President Mike N7WA closed the meeting at 9:25 A.M.

Attested: Gary Bryan – Secretary, KG7KU

Officers present:

President – Michael Dinkelman (N7WA)
 Vice President – Sam Sullivan (N7RHE)
 Secretary – Gary Bryan (KG7KU)
 Treasurer – Jack Grimmett (N7IHS)
 Activity Manager – John Long (KW7A)
 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: N7QOR, Nick Sutton - ICOM representative, to speak following the meeting. Subject: Demonstration of the new D-Star 1.2 GHz digital radio.

President Dinkelman N7WA 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.

Introduction 'Round the Room' was made special as a vacuum tube was passed from one person to the next, with comments or anecdotes relating to tubes by the person in possession.

Quorum present.

Minutes: Motion by Sam N7RHE and seconded by Dick K7NEX to approve the minutes of the previous meeting as printed in the K7LED Relay. Motion passed.

Officer Reports

President – Mike N7WA: Next board meeting is Wednesday, April 28. Next general membership meeting is May 15.

Vice President – Sam N7RHE: New membership applications for club vote: Curt Black WR5J, Doug Johnson KD7RIK, Nabila Mashiyat KD7ZWP, Alan Shield KD7NPH. Membership voted to accept these new candidates as members. Welcome to the club, and we look forward to your participation in our many activities.

Secretary – Gary KG7KU: Nothing to report at this time. (Note - the latest *Loggers Bark* is available on file.)

Treasurer – Jack N7IHS: Gave the

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P&L statement.

Radio Officer – Terry WX7S: Is in the process of moving through some live tests of the VXR5000, to be completed by the end of May. He will be going to Dayton, and will provide a summary of that event.

Activity Manager – John KW7A: Provided a description of the items available today for raffle.

Chairman of the Board – Steve KD7IQL: Will defer elections to later in today's meeting.

Standing Committee Reports

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

Technical – Bing KG7SF: Mike N7WA reported that a soldering class will be held prior to next month's meeting, from about 9:20 to 9:40 A.M. or so. More of this type of 'basics' class will be planned if the interest level is there.

Education – Dave KB7PSN: A training class for Technician certification will be coordinated with the Boeing Employees ARS (BEARS). Volunteers are need to help with the class. Let Dave know of your interest.

Facilities – Steve KD7IQL: Reports that the Field Day preparations have included restoration of fitness to the antenna trailer, the crank-up antenna and power generator hardware and trailer. Alan KB7SVU reports good progress in reconditioning the generator, and final preparations are nearing for its startup; a power-assist crank tool is in the works to alleviate some of the work needed to manually crank the engine for startup.

Public Service – Dick WA7NIW: Brendan KD7IKV reports that a review of all the subcommittee work is currently in progress, following the release of the *Puget Sound Guide*.

Strategic Planning – Carolyn WV7Q: The committee is near to finishing the attendance/dues report, which it will provide to the Board soon.

Public Service Communications – Gary KG7KU: Pam N7PRS gave recognition and appreciation to all the help received by members of the club in the past for community parades. Any and all who wish to participate can sign up online at www.seafairparademarshals.org.

Pam will have sign-up sheets available at next meeting.

Field Day – Steve KD7IQL: Brendan KD7IKV is organizing another work party to prepare antennas. Two new antennas have been procured, 15- and 20- meter beams. Your help and expertise is welcome. Contact Brendan.

Picnic – John KW7A: Mike N7WA reports this committee is in need of a chair person. This event is held at the end of the summer season, around August. Be thinking of your role in filling this position.

Awards – Carolyn WV7Q and Sam N7RHE: Presentations of awards to those not in attendance at the Banquet (reported in the April 2004 *Relay*).

Alligator Award: This prestigious award changed hands ... Calvin KC7IYP reluctantly handed the award to Ermano N7VIQ, who now is honored with its 'presence.'

Old Business

Sam Sullivan N7RHE presented club member service awards: 30 years - Hal Goodell N7NW, Harry Lewis W7JWJ, Mary Lewis W7QGP; 15 years - Jack Grimmett N7IHG, Lloyd Haverman WA7HNY, Earl Swiney WZ7H, Ric Danielson K7RIC; 10 years - Dave Smith KB7PSN; 5 years - Rita Danielson KD7CNU, Jim Monaghan N7HKO.

New Business

Steve KD7IQL conducted the proceedings for the open board member positions. Two positions were open, Activity Manager and Trustee Position Number 4. Following nominations and voting periods, we welcome Adrian KB7BVL as the new activity manager, and Richard

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Welcome, new members

The Mike & Key Club warmly welcomes Curt Black, WR5J, an Extra from Seattle; Douglas Johnson, KD7RIK, a Technician from Des Moines; Nabila Mashiyat, KD7ZWP, a Tech from Seattle; and Alan Shield, KD7NPH, a Tech from Issaquah. The four were approved in April.



Officers present:

President – Michael Dinkelman (N7WA)
 Vice President – Sam Sullivan (N7RHE)
 Secretary – Gary Bryan (KG7KU)
 Treasurer – Jack Grimmertt (N7IHS)
 Activity Manager – Adrian Roth (KW7A)

Trustees present:

No. 1 – Scott Robinson (AG7T)
 No. 2 – Dick Radford (WA7NIW)
 No. 3 – Steve Cook / CoB (KD7IQL)
 No. 4 – Richard Pasquier (N7MER)
 No. 5 – Dave Smith (KB7PSN)

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

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 Sam N7RHE to approve the minutes of the previous meeting as printed in the *K7LED Relay*. Motion passed.

Officer Reports

Chairman of the Board – Steve KD7IQL: Nothing to report at this time, an item to mention later in meeting.

President – Mike N7WA: Nothing specific to report.

Vice President – Sam N7RHE: Review of new membership applications to be voted on at next general meeting.

Secretary – Gary KG7KU: Commendation to Paul K7STQ, for pulling the load as secretary and completing the duties through the term of office. His plate was made full midterm as secretary and as the new *Relay* editor.

Treasurer – Jack N7IHS: No specific issues require attention at this time.

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Activity Manager – Adrian KB7BVL: Scott AG7T is slated to provide a talk on propagation at the next general meeting.

Radio Officer – Terry WX7S: Not present; is working toward getting new repeater operational by end of May. Is currently preparing for Dayton.

Committee Liaison Reports

Facilities – Steve KD7IQL: Power generator is now in good working condition. In addition to the work at the first work party: spark plugs are replaced with new ones, starter starts at the push of a button, the running generator now hums instead of vibrating badly.

Strategic Planning – Scott AG7T: Memberships past due, still in work.

Technical – Richard N7MER: Basic soldering class is scheduled just prior to next general meeting.

Public Service – Dick WA7NIW: Working on getting an Access database for holding information, with gains expected in ease of use, ease of updating from year to year. Parade summer season is just around the corner.

Education – Dave KB7PSN: Further discussions are ongoing with Boeing Employees ARS, in anticipation of a joint effort in planning for a Technician class. Key is optimum number of students, about 16.

Field Day – Steve KD7IQL: Beams—15- and 20-meter—are now tuned for voice. Equipment trailer is now loaded and ready for transport. Needs ideas

from membership for possible storage locations.

Picnic – Adrian KB7BVL: Still needs someone to volunteer for planning this event, usually held in August.

Awards – Sam N7RHE: There is yet a backlog of awards to be officially given to the recipient(s).

Logos – Dan Humphrey (N7QHC): Nothing to report at this time.

Old Business

Web Site review/upgrade – Steve KD7IQL and Dave KB7PSN discussed generally the possibilities and possible timeframe in which to anticipate further web site development. Following board general discussion, this will be discussed further at future meetings. Jim KD7BAT will be returning to Seattle soon.

New Business

Dick WA7NIW asked the board to review the bylaws, to clarify qualifications for awards.

Good of the Order

Gary KG7KU received in the mail the Stanwood Camano ARC announcement of the SCARC 13th Annual Flea Market, to be held at Stanwood Middle School, May 8. As this publish date is beyond the date of the Flea Market, the members of the board suggested a Reflector notice to the general membership.

There being no further business, Jack N7IHS moved and Dick WA7NIW seconded a motion to adjourn. Approved and Chairman Cook closed the meeting at 7:51 P.M.

Attested: Gary Bryan – Secretary, KG7KU

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N7MER as trustee no. 4.

Good of the Order

Harry W7JWJ gave a favorable look into a previously untapped source for new hams: a recently released book written by Ward Silver NOAX, entitled *Ham Radio for Dummies*. The advantage of such a book is its presence on a shelf of practically all book stores. It was also noted this is not an ARRL-related publi-

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cation.

Mike N7WA on behalf of 'Top Hat' apologized for the absence of some hats on order. They should be available at the next meeting.

Jim N7HKO requested the help to move a tower and antenna from storage

to another location for storage. Some hams quickly volunteered storage on their property, stored in the 'vertical position.'

There being no further business, Mike K7JML moved and Dick K7NEX seconded a motion to adjourn. Approved and President Dinkelman closed the meeting at 11:37 A.M.

Attested: Gary Bryan – Secretary, KG7KU





Ham Nets & Events for May / June 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
9 2000 — King Co. ARES (weekly) 2000 — Amateur TV net: 147.08 (weekly)	10 0545 — Weather net: 145.33 (M - F) 1645 — Weather net (M-F)	11 2000 — Snoho. Co. RACES: 146.92 (weekly)	12 2000 — General Info & Tech net: 145.33 (weekly)	13 1900 — Pub. Service net (weekly)	14 2000 — Youth net: 145.33 (weekly)	15 0900 — Club net 1000 — Club mtg. 1300 — Ham exams U.S. QSO parties SSB (Sat. - Sun.)
16 2030 — Snoho. Co. ARES: 146.92 (weekly) Capitol City Marathon — Olympia	17 Nordic Days Parade Ballard	18	19	20	21	22 Am. Diabetes Assn. Bike Tour — Orting
23 2200 — Northwest Astronomy net: 145.33 (weekly)	24 1800 — WARTS: 3.970 (daily) 1845 — WSN I: 3.658 (daily)	25	26 1915 — Board mtg.	27	28	29  CQ WW WPX contest — CW (Sat. - Sun.) Gr. Lakes QSO party
30	31 1900 — Elmer's net: 145.33 (weekly) 2000 — YL net: 145.33 (weekly)	1 2000 — Maple Valley ARC/ARES: 146.54 (weekly)	2 2030 — WARFA swapnet: 3.908 (weekly) 2100 — NWSOAR net (weekly)	3 2000 — Computer & Packet net: 145.33 (weekly) 2000 — Amateur TV net: 147.08 (weekly)	4 Wash. Sp. Olympics Fort Lewis (Fri. - Sun.)	5 0900 — WA Emerg. HF: 3.985 (weekly) Salty Sea Days Parade Dryad Quest Rally
6 Shitepoke Rally Shelton	7 1730 — Puget Sound Traffic Sys. (daily) 1830 — WA Emerg. HF: 3.985 (weekly)	8	9	10	11 Relay deadline	12 ARRL VHF QSO party (Sat. - Sun.) Sound to Narrows Foot Race — Tacoma