

K7LED RELAY



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 Tobin St., near the SE corner of the Renton Airport. The Club operates repeaters on 52.05-53.05, 146.22-146.82 (PL 103.5), and 222.52-224.12 under the call K7LED. The following nets meet on 146.82: Club Net, Wednesdays at 7:30PM; Public Service Net, Thursdays at 7PM. The Club mailing address is: PO BOX 2121, Kirkland, WA 98083. All persons interested in Amateur Radio are invited to participate in the Mike and Key Amateur Radio Club and it's activities. Yearly dues - \$12,single \$18,family.

VOLUME 22

July 1994

NUMBER 7

PRESIDENT	- Nils Hallstrom, WB7TJK	Tel:242-8271	TRUSTEE #1	- Chuck Benefiel, N7STR	Tel:279-1517
VICE-PRESIDENT	- Jan Van Allen, N7WJB	Tel:824-9039	TRUSTEE #2	- Dan Humphrey, N7QHC	Tel:243-0163
SECRETARY	- Ryan Martin, N7TNI	Tel:631-5370	TRUSTEE #3	- Lewis Navarre, W7QMP	Tel:824-2935
TREASURER	- Jack Burrell, KB7ZS	Tel:454-3617	TRUSTEE #4	- Chuck Stroehrer, WA7EBH	Tel:392-5303
ACTIVITY MNGR	- Tom Patterson, N7VDU	Tel:432-1500	TRUSTEE #5	- Michael Hansen, KG7MX	Tel:232-1069
RADIO OFFICER	- Ken Rau, K7YR	Tel:222-7711	EDITOR	- Michael Dinkelman, WA7UVJ	Tel:854-4031

RELAY EDITOR
MICHAEL DINKELMAN
637 2ND AVE S
KENT WA 98032

NEXT BOARD MEETING
July 25 @ 7:30PM
Salvation Army HQ
720 Tobin, Renton

NEXT CLUB MEETING
July 16 @ 10AM
Salvation Army Renton HQ
720 Tobin St, Renton
Doors open at 9:30AM

Program: Video on the art of DXing



FIRST CLASS MAIL

**29
USA**

PETE HEDBERG
K7WTG 01/95
20904 NE 77TH ST
REDMOND WA 98053



SEAFAIR, JULY/AUGUST
TACOMA FLEAMARKET, AUGUST 13
CLUB PICNIC, KENT, AUGUST 27

DEADLINE FOR AUGUST RELAY SUBMISSIONS - AUGUST 11
CHECK MAILING LABEL FOR DUES STATUS

Indianapolis 15Meter

Submitted by Carolyn, WV7Q

The 15 Meter Race was on again during Field Day 1994. The track has been modified from last year when it was a full 18 hours long. Under 1994 conditions our operators had only 13 1/3 hours to perform.

In the fine tradition of the 15 Meter crew, an outstanding performance total of 707 contacts was achieved.

I always hesitate to publish specific crew member's results for fear of heavy offers coming from competitors. (Hopefully the WWDX Club and the Radio Club of Tacoma won't see this article.) In the event of such offers, I'm sure these operators will remember where their loyalties lie.

Special congratulations and a pat on the back go to such experienced and talented DXers as: Raleigh/WB7WNF, Al/KB7THX, Mike/KG7MX, Jack/N7IHS, Scott/N7WLO, Doug/AB7BU, Mike/N7PGZ, Debbie/KB7QMQ, Ray/WA7EKH, and Chuck/N7STR who were all part of teams that turned a rate of 60 contacts per hour.

SPECIAL MENTION to the MVP on 15 Meters this year. Bill KB7TBE, who with his speed, and expertise in DX contesting (this was his first year "on the track") maintained a rate of 75 contacts per hour for a whole two hour shift. Great run, Bill! We were glad to have you on our team!

Musings

Submitted by Chuck, WA7EBH

Well, the Field Day event is over and the equipment is laying all over the ham shack floor, and I'm scratching all those bug bites.... so I must of had a good time, right? Well if you missed Fort Flagler this year, you missed a heck of a good time. The Friday night affair was well attended, and the tall tales about field days past were flowing freely.

My hat's off to the two young ladies that put together the Novice/Tech station in the bunker. They showed up

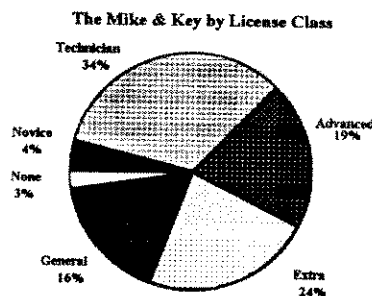
some of us old timers. By Saturday night they had well over 200 contacts, when those of us in 20 meters were struggling with just over 100. Way to go you two Melissas, hope to see you next year.

There will be a proposal before the club at the next meeting for consideration. Fort Flagler needs a hot water heater for their kitchen to pass the health inspections codes. About a 10-20 gallon size or a insta-hot type unit. Maybe we can help again this year as we have done in the past. After all, they go out of their way for us, and allow us to use areas normally closed to the public. What are some of your ideas?

A Class Society

Submitted by Michael, WA7UVJ

What is the makeup of the Mike and Key when broken down by license class? Here is what my database tells me as of June 1994:



Of course, the Technicians are well represented as that has become the entry license of choice into Amateur Radio and not many appear to be looking to upgrade. Sorry, I don't differentiate by Technicians with or without code so that will remain a mystery for now. I do find it fascinating that the second largest segment is the Extra Class licensees and the percentage goes down as you drop classes. It would be interesting to see if the national breakdown is similar.

SeaFair Events

Submitted By: Chuck, WA7EBH

Below is listed the Seafair Field Day Schedule, please contact me if you want to help at 392-5303.

- SAT. JULY 16 @ 8:30 AM REDMOND - 146.58 SIMPLEX TALK-IN
- SUN. JULY 17 @ 12:00 NOON KENT, - 146.58 SIMPLEX TALK-IN
- SAT. JULY 30 @ 4:00 PM DES MOINES, - 146.58 SIMPLEX TALK-IN
- SUN. JULY 31 @ 5:00 PM CHINATOWN, - 146.58 SIMPLEX TALK-IN
- MON. AUG 1 @ 5:00 PM UNIVERSITY, - 146.58 SIMPLEX TALK-IN
- WED. AUG 3 @ 4:30 PM GREENWOOD, - 146.58 SIMPLEX TALK-IN
- FRI. AUGUST 5 @ 5:00 PM (OR EARLIER) TORCHLIGHT, 146.96 REPEATER (-600 KHZ) TALK-IN FOR DIRECTIONS TO PARKING AREAS AND INFORMATION.
- SAT. AUGUST 6 AT 7:00 AM BELLINGHAM - 146.58 SIMPLEX TALK-IN.
- SAT. AUGUST 6 @ 4:00 PM LAKECITY - 146.58 SIMPLEX TALK-IN.
- SAT. AUGUST 20 @ 9 AM AUBURN - 146.58 SIMPLEX TALK-IN.

VHF Happenings

Submitted by Jim, K7ND

The 'E' season is here. NU7Z operates 2M SSB while mobile. He has a 'big wheel' antenna inside a fiberglass canopy on the back of his truck for horizontal polarization and runs a 170 Watt brick for power. On the way home from work on June 17th he was listening to two unfamiliar stations on 144.2MHz SSB. When they started discussing the weather in Tucson he broke in and bedlam reigned for over an hour.

An 'E' opening can be very localized. This happens on 6f to a certain extent and is more pronounced on 2M. NU7Z started working stations north and south of Phoenix at 2305Z but I

didn't hear anyone until 2340Z and they were just in the Phoenix area. W6PKW and WM7A also worked several stations in the Phoenix area. The activity ceased at about 2400Z.

It happened again on July 5th. I went to the shack to put away some tools and since 6M was open, worked a few stations in the southeast. My mistake was turning down the volume on the 2M rig. When I turned it back up to leave I heard W7YOZ in Kirkland calling NOLL. In the next 40 minutes I managed to work NOLL (Kansas), KONG (Nebraska), W0GR (Missouri), and WR0F (Missouri). The opening lasted from 0122Z to 0200Z (7PM-6PM local). Most stations were about S-5 at my QTH but WM7A started the ball rolling by working NOLL at 0122 with a +20 signal.

Two contests coming up. The UHF contest on August 6-7 and the ARRL QSO Party on September 10-11. I will probably be at home for both of these and am not aware of any large effort to go mountain topping multi-op.

The next big event is the Persids Meteor shower Aug 10-13. For operating info I suggest back issues of QST. The comet responsible for this shower passed by recently and disturbed the consistency of the stream of debris. There have been great expectations the last two years which have not materialized. This year the shower will favor the United States (Europe last year and Asia the year before) in the timing of the earth entering the trail of rocks from the passing comet.

There is a new book out covering all aspects of operating the VHF/UHF bands. The author is Joe Lynch, N6CL, who also writes a very excellent column for CQ magazine. The title is "The VHF 'HOW TO' BOOK". I don't know if it can be found locally but it can be ordered from CQ.

The VHF/UHF bands are starting to be crowded, especially in large metro areas. A result of this is modes of operation on frequencies different from band plans. Weak signal work, satellite communication and packet simplex frequencies do not always have a station

operating for periods of time giving the appearance no activity. Familiarize yourself with what operation goes where, especially on 2M. I'm quite sure many folks would be unhappy with me operating with 1000 Watts of SSB on 146.58MHz. Every once in a while a station will be using FM on 144.2MHz. Quite disconcerting when you are trying to hear an Idaho station whose CW signal is RST 419 or less. Also, 144-144.1 is for CW only per the FCC rules, not someone's band plan. I was flatly told by one operator that he was going to continue to operate FM in the CW sub-band since it was part of 2M. CU

Ten Meter Contest Results

Submitted by Michael, WA7UVJ

The 10 Meter contest results came out in the July QST. The massive team at K7ND (with yours truly along at the key providing most of the mass.....) did fairly well. It's difficult to beat those southern stations in the western region though.

Propagation was definitely headed downhill this year with little or no activity before or after daylight - even running full power and large antennas. Still it was fun.

It gladdened my heart to no end to see one of our new young members also participate and get her mug on page 120 of QST. Congrats to Melissa, KB7SmallDeadCat for a good first effort. I hope it was only the first of many contests she'll enter although conditions will only get worse for the next few years, especially on 28MHz.

One question Melissa, where were your CW contacts? Ain't a contest unless you use a key too.

Field Day on the Novice Subbands

Submitted by Melissa, KB7SmallDeadCat

In the beginning, there was Ham Radio. Next came Field Day. Then there were two Melissas who were the Band Chairpersons for the Novice Subbands. With the help of many others, we worked hard to construct our station, setup the radio, and operate.

Melissa Donimirski/KB7TFF and

myself were the Chairpersons. As we couldn't use the Club call for the station, we used mine - KB7SDC (so far I haven't received any QSL cards from anyone in the contest). On Friday, June 24th, we had a delicious bar-b-que and pot luck at the Wagon Wheel.

We were in the bunkers from 11AM to 11PM (when the band died) on the 25th of June and from 7AM to 11AM on the 26th of June. Many people came to visit our station, including our parrot, Shadow. She never said CQ, but ate a lot of crackers.

We logged our contacts on a laptop computer and CQ'd on a Yaesu Ft-980. We had too many dupes, but made many more contacts than what was made last year on the Novice subbands. Some of the people we contacted were not official participants in Field Day, so we looked at our nifty little rules paper and told them what classification they were.

In the end, we made about 390 contacts, give or take a few, and 50 sections (we got some of Canada, "nine land", and "eight land"; most of "seven land" and California; somemore "five and four land", and a bit of "one, two, and three land"). After operating for two hours, some of us had trouble not saying their own call sign instead of saying "CQ Field Day, this is Kilo Bravo Seven Sierra Delta Charlie".

We would like to thank those who helped us at the Novice station: Bill Johnson/KB7TBE, Vic Carter/N7YPB, Jeremy and Chris, Eric Grounau/N7TQC, Gerhard Pantzer/DL8GBP, Jeff Allen/KB7QMP, Don Kemp/KB7UYA and Chuck Benefiel/N7STR. Last but not least, Ryan Martin/N7TNI, our beloved advisor for all his help. We would also like to thank those who helped put up the tower and set up the rig and lights.

Too bad, most of the Club is either General, Advanced, or Extra. But we did get enough people to help in the Novice/Technician station.

I really liked Field Day. This was my first time and I got to be a band chairperson. I am looking forward to Field Day next year.

Upcoming Events

Submitted by Michael, WA7UVJ

Here we are, summer at last. Time for gardening, vacations, lolling around in the sun and enjoying life. Hamming takes a back seat (at least at my house). That doesn't mean there aren't some Ham activities that require your attention though.

First, summer in Seattle means Seafair parades. All throughout July and some of August, there will be district parades and then on August 5th will be the granddaddy of them all.... Torchlight. Hams have traditionally played a major part in helping get these parades off to successful conclusions by assisting the Seafair Marshals. Time and again, various means of communications have been tried, (CB, Cell phones, business band radios) but the Hams provide the best form of parade communications. If you are interested in helping out with this kind of activity during Seafair, contact Chuck/WA7EBH and let him know.

If you are interested in DX, the annual NorthWest DX Convention will be held July 22/24 in the Richmond Inn in Richmond, B.C., Canada. This travelling convention (next year in Seattle) sports programs and seminars on DXpeditions, antennas, and operating. I would contact the BC DX Club at POB 3048, Blaine, WA 98230 if you need more info (sorry no phone number given).

Two Hamfest will occur in August. Our friends in Tacoma will be putting on the ritz on August 13 but don't head for the armory at Camp Murray. The Radio Club of Tacoma has moved their annual shindig to the Charles Wright Academy (7723 Chambers Creek Road West) in Tacoma. For more info get a flyer at the local stores or call 840-4947 or 475-7413. There will be license exams.

August 20th, the Lower Columbia ARS will hold their Swap meet at the Cowlitz County Fairgrounds in Longview. Call (206) 425-6076 or (206) 425-9184 for info.

That should keep the Ham flame alive in your heart until propagation returns in the Fall. Don't spend all your pennies.

Picnic News

Submitted by Michael, WA7UVJ

It isn't too soon to mark your calendars for the Mike & Key ARC Summer Picnic. This year, we will return to familiar haunts, Van Dorens Landing in north Kent - beside the Green River. (A map should be found else where in the Relay) The date will be August 27th with festivities to begin about 11AM.



Van Dorens landing has been improved since we last visited. There are now two covered sites and they are proving so popular that they get snapped up throughout the summer before January is out. I have reserved the southern site which is closest to the parking lot, bathrooms, and horse shoe pits.

For activities, G.Ray/KB9HHK, has volunteered to organize a fox hunt during the picnic. Let him know if you are interested in participating. In addition, there are the afore mentioned horseshoe pits and plenty of room at Van Dorens for volley ball or baseball if people are interested. What we need are a some people to get a little excited about the prospect.

The picnic itself will be a potluck affair. Much like the Field Day party, the Club will provide Burgers, Hotdogs, and refreshments while you bring a summertime specialty. It should be noted that Little John's chili has NEVER shown up at a M&K picnic so we are safe from that hazard.

Last year, we had a little contest for the best (ugliest?) Hawaiian shirt that anybody was daring enough to wear. This year, I have a different contest in mind..... how about a best homemade dessert? I know that there are a lot of lonely unappreciated cooks (gays and gals) out there. Here is your chance to whip up something special (beyond your potluck contribution) and maybe win a prize as well. (Certainly, fame and fortune will come your way if you win.) Your fellow picnickers will be the judges.

To give us an idea at who will attend, signup sheets will be at the next couple Club meetings. If you prefer to

signup by phone, or wish to inquire as to specific foods needed, G. Ray welcomes your phone calls at 313-0970. Make your plans to be there!

Free to a good Home

Submitted by Michael, WA7UVJ

I have access to a somewhat used but serviceable 2M AEA Isopole antenna looking for a good home - for FREE!

Preferably, this would go to a Ham who may be a little on the cash short side or just starting out on 2M or in the hobby. Don't ask for this if you don't need it. Give me a call if interested.

Activities

Submitted by Tom, N7VDU

The following events are planned for the Club, its members, and their guests.

- July 16 Club Program, Video on DXing from CQ Magazine. (Red Cross Emergency program canceled)
- August 20 Club Program, Cellular Phones
- August 27 Club Picnic, Van Dorens Landing in Kent
- October Club Program, YL DXpedition slide presentation

Mike & Key General Membership Meeting - June 18, 1994

Submitted by Ryan, N7TNI

Officers Present were: President Nils/WB7TJK, Vice President Jan/N7WJB, Treasurer Jack/KB7ZS, Secretary Ryan/N7TNI, Trustee #1 Chuck/N7STR, Trustee #2 Dan/N7QHC, Trustee #3 Lew/W7QMP, Trustee #4 Chuck/WA7EBH, Trustee #5 Michael/KG7MX, and Relay Editor Mike/WA7UVJ. Activity Manager Tom/N7VDU, and Radio Officer Ken/K7YR were absent.

Call to Order and Welcome
Pledge of Allegiance

Rick/KF7VG reported that Dick Mehnert/WOKPK, past president of the Boeing Employees Amateur Radio Society, passed away due to a heart attack

last Sunday. We observed a minute of silence in his memory.

introductions:

Officer Reports:

President - Nils/WB7TJK emphasized the importance of the information published in the RELAY, especially the article on emergency preparedness, written by Jan/N7WJB. In order to be able to be effective emergency communicators, we must have equipment available for our use. Don't stop with just thinking about an emergency, do something about it. Nils stressed the importance of taking care of ourselves and family in case of emergency. Use the information in the article as an outline to begin an emergency plan, and get the equipment set aside where you can get at it.

Vice President - Jan/N7WJB: Jan presented candidates for membership to the club. They were Frank Carter/ KB7YG, Rick Hood III/KC7CRS, Robert Johnson (not present), Bing Clisbee (not present), Lee Glass (not present), and Bob Engelman/KB7QLE. All who were present were approved for membership by vote of the club. Jan also reported that he received three new applications for membership today.

Secretary - Ryan/N7TNI received from Gerhard/DL8GBP plans and circuit boards for making code practice oscillators. These were given to Michael/KG7MX, the trustee associated with the technical and Special Interest Committee. Contact Michael if you would like to build one. Gerhard is willing to help anyone who needs assistance. The Lower Columbia Amateur Radio Association of Longview, Washington, will hold its 3rd annual Ham Radio, Computer, and Electronic equipment swap meet, on Saturday, August 20th from 9:00 a.m. until 3:00 p.m. at the Cowlitz County Fairgrounds in Longview, Washington. Larry Stamm/WB3EVL sent us a flyer describing the plastic covers he makes for Bencher paddle keyers, and other items of interest to hams. Call Ryan if you are interested in more information. Nils called for the approval of the May general membership meeting minutes as published in the RELAY. Joe/N7ZWD moved that the minutes be approved as printed, and Rick/KF7VG seconded the motion. Vote was to accept as published.

Treasurer - Jack/KB7ZS. Gave his report on the financial status of the club, and has the books available for the members to inspect if desired. Jack purchased two MFJ-259 antenna analyzers at the Seaside Hamfest and turned them over to Michael/KG7MX who will be the custodian of this equipment. If anyone has fund requests or needs to send in their dues, Jack's address and phone number are current in the roster.

Activity Manager - Tom/N7VDU was excused for this meeting.

Radio Officer - Ken/K7YR was not present. Jack/KB7ZS reported for Ken that the 2M repeater seems to be working fine with the new power supply. Progress is being made on the new repeater

and site.

Chairman of the Board - Chuck/WA7EBH: The board, acting in accordance with a vote at the last general membership meeting, approved the expenditure of funds to purchase equipment to link the new 2M repeater and the 220 Mhz repeater, as detailed in Ken/K7YR's proposal at the April, 1994 board meeting. A motion to acquire this equipment was presented to the club membership on behalf of the board by Chuck. The motion was seconded by Ray/WA7EKH, and was passed by vote of the membership, with 3 nay votes cast.

Committee Reports:

Public Service committee: Carolyn/WV7Q asked about when the committee would be meeting. Dan/N7QHC said that a meeting had been held on Saturday, June 11th, and that G. Ray/KB9HHK had attended. They talked about organizing Fox Hunts. Dan would like to get a new list together of people interested in being on the committee, and had a sign up sheet on his table. At this time, there are no further meetings scheduled.

Relay Editor - Mike/WA7UVJ. The deadline for RELAY articles will be July 7th.

Field Day - Nils/WB7TJK will make his report during today's program.

ARRL - Harry/W7JWJ reported that Mary was out of town at a Hamfest. The worlds second largest Hamfest is under way now in Germany. International Amateur radio licensing will be a topic discussed there. Harry reported that it is just a matter of time before we can agree to it in this country, expected to happen before the turn of the century. You would be able to operate anywhere in the world with your license. Governor Lowry declared next week to be Amateur Radio Week for Washington state.

Net Report - Frank/KA7QHJ: The net is going great, there is finally a full slate of net control operators. If your license does not allow you on HF, check into the net every Wednesday night at 19:30 on the 146.82 repeater. Frank announced that he had heard Dan/N7QHC time out the repeater, and awarded him the golden alligator trophy.

A Picnic Chairman is needed - The reservation for Van Doren's landing in Kent has been made for August 27th, but we need some one to put the event together. Mike/WA7UVJ volunteered to chair the picnic. G. Ray Glenn volunteered to Co-Chair the picnic.

Old Business - The MFJ 259's have been acquired, and will be put into service during field day. After that, they will be available for loan to club members. An inquiry was made into the health of Jo/KB7UFM. Nils quickly responded that Jo was NOT old business, and that she would resent that category. Nils thanked us for our concern, and was happy to report that Jo is feeling much better now and well on her way to recovery.

New Business: Jan/N7WJB announced he has new membership update sheets available, so we can get the roster up to date. If you have a change, please fill one out and get it back to him.

Announcements for the Good of the Order: Ray/WA7EKH announced that he would be starting another No-Code Tech class at the Bellevue Training Center on July 6th. Classes will be held at 19:00 on Monday, Wednesday, and Friday nights for two hours. This will be a self taught class, and there will be no charge to attend.

Chuck/WA7EBH was contacted for help on a public service event to be held August 20th and 21st in the Capitol forest area near Olympia. This will be a family motor bike, bicycle, cross country Poker run. They will need about 4 or 5 hams. The event will start at 09:00 and run until 16:00 both Saturday and Sunday. Overnight camping facilities are available for tents and trailers. Please call Jim Hosak/W7LS at 882-7343 if you can help out with this event. The check points can be driven to in a normal passenger vehicle.

Chuck will be publishing a list in the RELAY of the Sea Fair parades that are coming up. There is a parade on Saturday, July 16th in Redmond from 08:00 until 12:00. This is during the same time as our next club meeting. Contact Chuck if you can help out with this event.

G. Ray/KB9HHK would like to organize Fox Hunting as a regular event. If you are interested, please fill out the form he has in the coffee room during the break.

Nils/WB7TJK took a vote of hands for Tom on how many people would be interested in going to ICOM for a tour. There was strong interest expressed by the membership. Chuck/WA7EBH reported that the board discussed this, and that we should hold our normal meeting as usual, then travel to ICOM for the tour. The board felt that to have the actual monthly meeting at ICOM would not be a good idea, since the location of our general meetings is listed in several publications. Another possibility would be to meet at ICOM on a day other than our normal meeting date.

Program: Field Day planning, presented by Nils/WB7TJK.

Board Meeting Minutes for June 28, 1994

Submitted by Ryan, N7TNI

Present were: Chuck/N7STR, Chuck/WA7EBH, Dan/N7QHC, Jack/KB7ZS, Lew/W7QMP, Michael/KG7MX, Mike/WA7UVJ, Ryan/N7TNI, and Tom/N7VDU. Visitors were A/KB7THX, Dawn Humphrey, and Frank/KA7QHJ.

The meeting was called to order by Chairman of the Board Chuck / WA7EBH at 7:32 PM. Chuck called for approval of the board minutes, as published in the RELAY. Chuck/N7STR moved they be approved, seconded by Jack/KB7ZS. The vote was to approve. Chuck brought up two topics for consideration by the board. The first item was to select the Outstanding Field Day Member. The second was a proposal to acquire a small water heater, needed at the Environmental Learning Center at Fort Flagler. This would be used to

provide hot water for washing hands in the kitchen. This is needed to satisfy health department regulations.

Chuck moved that Melissa Allen/KB7SDC and Melissa Donimirski/KB7TTF be selected for the Outstanding Field Day members. After discussion by the board and praise for their efforts, the board voted to name them the Most Valuable Field Day members, and to award each of them a plaque at next years Banquet.

After discussion, Chuck/WA7EBH moved that the board propose to the membership that the Club purchase a small water heater for Fort Flagler, seconded by Jack/KB7ZS. The board voted to make this proposal to the membership. Details will be presented at the July club meeting.

Chuck mentioned that when reservations for campsites at the lower campground at Fort Flagler for Field Day '95 are submitted, if Mike and Key club is written on the bottom of the form, an effort will be made to group club members together. Reservations cannot be submitted prior to January 1st, 1995. The club received very good compliments on the condition of the park when we left. We were told we left the park in better shape than when we arrived.

President, Nils/WB7TJK was still recovering at Fort Flagler and filed a letter of excuse with Chuck/WA7EBH, citing extreme Field Day stress (and 2 additional paid up days of camping at the park). Nils is busy compiling Field Day results, and reports that we got 1500 bonus points. Nils hopes to have work done by next weekend.

Vice President, Jan/N7WJB sent greetings from somewhere in Colorado, and filed a written report, given by Chuck/N7STR. Jan had received 7 applications for membership. They were Chuck Griggs/waiting for call, Bill Johnson/KB7TBE, Brent Snyder/KB7YHX, John Riley/KC7AVD, Rick Fritz/WB6AWO, Chris Elwell/KC7CFE, and Sidney (Sid) Anderson/KC7COS. Dan/N7QHC moved that we present all the applicants to the membership at the July meeting, seconded by Chuck/N7STR. Board voted to do so. Chuck also announced that Ray Leslie/WA7EKH has upgraded to Advanced.

Secretary, Ryan / N7TNI: Nothing to report.

Treasurer, Jack/KB7ZS: Gave the financial report to the board. Jack reported that he will not be able to attend the July membership meeting, he will be heading for a vacation in Montana the morning of the meeting. If you need anything from Jack, contact him prior to July 16th.

Activity Manager, Tom/N7VDU: Reports that there was significant interest expressed at the last club meeting in the ICOM tour. Since we publish the location and time of our monthly meetings, Chuck/WA7EBH expressed his reluctance to change the meeting location to ICOM. He suggested we meet at the Salvation Army Headquarters like normal, and after a short meeting travel to ICOM for the tour. Tom will look into scheduling a tour with ICOM, and report back on the results. The program for July will be on Disaster Preparedness by the

Red Cross. August will be Jerold Aceto/K6LIE on Cellular Phones, September will be the ICOM tour (tentative at this point), October will be Mary Lou Brown/NM7N, a presentation on a DXpedition to Eastern Canada. The election for ARRL Northwest Division Director will be held in November, 1994. Chuck/WA7EBH suggested that for the November meeting program, we invite the candidates, Mary Lewis/W7QGP, and Mary Lou Brown/NM7N to come and speak to the membership, with a time for questions from the club membership. Michael/KG7MX made a motion that equal time for Mary Lewis and Mary Lou Brown be scheduled for the November club meeting program. Motion was seconded, and passed by the board. Tom will investigate the possibility of such program with the candidates on behalf of the Board.

Technical and Special Interest, Michael/KG7MX - Presented a loan form he had developed for the SWR analyzers. Chuck/N7STR moved that the board accept the form as written, Dan/N7QHC seconded. The motion was passed by board vote.

Special Committee reports:

Picnic, Mike/WA7UVJ: The picnic will be held August 27th.

The deadline for RELAY article submission will be July 7th.

Old or Unfinished Business: There was none

New Business: Frank/KA7QHG reported that Major Nottle, pastor and commander of the Salvation Army Corps in Renton, has moved to a new assignment in Los Angeles. A new person will be arriving on Monday, July 4th.

Good of the Order: Jack/KB7ZS commented that some visitors to Field Day this year got a rather cool reception from our members. Jack suggested that we need a hospitality group or person to meet visitors, make them feel welcome and answer their questions.

The meeting was adjourned at 8:27p.m.

From CW Beach

Submitted by Michael, WA7UVJ

Field Day has left us again for another year. Potlucks, mosquitoes, lack of sleep, CW Beach, and food deprivation remain only as pleasant memories.

Frankly, it was one of the worst Field Days I can remember for 20 Meter propagation on CW Beach. Signals were heard all over the band but relatively few could be worked. Signals would jump out, then disappear just as quickly. We could work the east coast and California but the

midwest was a black hole with few Q's in the log. Fortunately 80 meters made up some of the slack but it was still a grind throughout the event.

Others did better. Kudos to the Novice/Tech team for taking what should of been poor conditions and running wild. 15 SSB did well again also. I'm haven't heard how the other teams did but hopefully it was better than 20/80CW. Sounds like most had a good time and the weather was fantastic.

A notable event was the arrival of vast quantities of a fluffy white material on the SSB site overnight on Friday (no, it wasn't snow!). Sure made for a pretty sight from down on the beach..... fluttering in the wind.

Of course, no Field Day would be complete without naming a MVP (Most Valuable Player). This year, the Board decided on a joint award to Melissa/KB7SDC and Melissa/KB7TFF, joint chairs of the Novice/Tech station. They worked hard and ran a very successful enterprise. Considering that this was the first Field Day for both and neither has even entered their teens, it was a worthy effort. Awards will be made at next years banquet. Congratulations to you both.

The 20 Meter challenge with the WWDXC was a disaster. From the preliminary indications I have received over the PacketCluster, we got whooped good on Q totals and I don't even have to look at multipliers. I'll try to have final figures next month. Nevertheless, I remain undaunted and will reissue the challenge for next year after I present appropriate aims to the victors.

One final comment. Field Day, while the effort of many individuals, requires one leader to make it happen. Nils/WB7TJK volunteered as Field Day chair right after the 1993 event. He has spent innumerable hours ensuring our success this year and didn't even get to make ONE contact because he was always running around keeping things smooth. Hats off to Nils and thanks for your efforts. (Who wants to try and top his effort for next year?)



From the Writers Block

Submitted by Michael, WA7UVJ



This Club has close to 200 members. Their experiences range from neophytes waiting for their call to grizzled Ol' Farts who forgotten more radio than most of us can remember.

Within that kind of group, I SHOULD be able to draw upon several regular contributors who could write as "knowledgeable" persons about specific subjects.

Case in point. Jim, K7ND has taken it upon himself to become a regular columnist for this newsletter regarding activities in UHF and VHF. I've come to depend on Jim quite a bit lately to keep this from becoming a purely social ragsheet. While Jim isn't looking for fame or fortune as a writer and doesn't need to prove himself in this or other areas, he is trying to impart a little of the excitement that can be radio when you jump out of slumming the FM repeaters. Even as a yed-in-the-wool HF'er, I get great pleasure out of reading his stuff. It's what is going on now, it is personal, and most of us have the privileges to try it out if we want to.

What I'm looking for, is others to take on a similar responsibility in other areas. What about a column on DXing or Contests? I know we have RTTY, Packet, and Top Band operators - what about you? Do we still have any ATV'rs or maybe someone who collects keys? How about a technical series on antennas or simple test equipment from the builders? Do we have any "surfers" on InterNet who can help inform the rest of us on what is happening out there? The ideas are limitless.

Got you thinking about it (I hope so)? Here are some guidelines. Articles for a regular column do not need to be deep and thesis orientated. Make it easy on your self, you don't need to and shouldn't write a book each month. (I wouldn't even try multi-part articles.) It should be personal and make use your own experience and thoughts. We don't care what "Joe Expert" at ARRL HQ

thinks, we wanna know what you have found out, what we can try.

Now I can write until the cows come home but it's getting old and hard to remain fresh. I am asking for some help here. This newsletter should reflect the personality of the membership (that might be a problem in itself) and what it is doing. Start writing.

Membership News

Submitted by Michael, WA7UVJ

Please welcome the following new members to the Club.

Frank Carter, KB7YG
Advanced
6405 S. Prentice St
Seattle, WA 98178

Rick Hood III, KC7CRS
POB 1346
Auburn, WA 98071

Bob Engelan, KB7QLE.
Technician
POB 136
Ravensdale, WA 98051

Also, Kevin Purcell, N7WIM has reupped after a lapse of several months. Glad to have you back OM. Note that G.Ray, KB9HHK has a new phone number, 313-0970.

Rosters will be coming out fairly soon - hopefully in August. Got any changes to your stats? Lemme know ASAP.

Svetlana 4CX800

Submitted by Michael, WA7UVJ

On my trip to the USSR several years ago, I was extremely interested in bringing back some high power tubes with which to build an HF amplifier. The Russians were noted for building good high power tubes (for their military) and I was given several to work with.

The most intriguing was a ceramic metal tetrode I was told was equivalent to a 4CX600. Unfortunately, I could find no real equivalent in the Western world (which has gone almost totally to triodes) and I have been struggling with the Russian schematics and specifications off and on ever since.

Reading WorldRadio last month, my eye was caught by a rather familiar looking picture of a tube in the new products column; MY TUBES!..., being exported!..., cheap!..., reliable!..., 800 watts?!..., with sockets!..., specs in English!..., and with design recommendations!

I mailed off for all the info and am happily planning a restart on the amplifier. It would appear this tube is already being used in an ETO amplifier, is easy to work with, and has a tough reputation (early USA tetrodes did not). Tubes run about \$180 and the sockets are \$35. They run well up to the 2Meter range and I have several pages of information if anyone is interested.

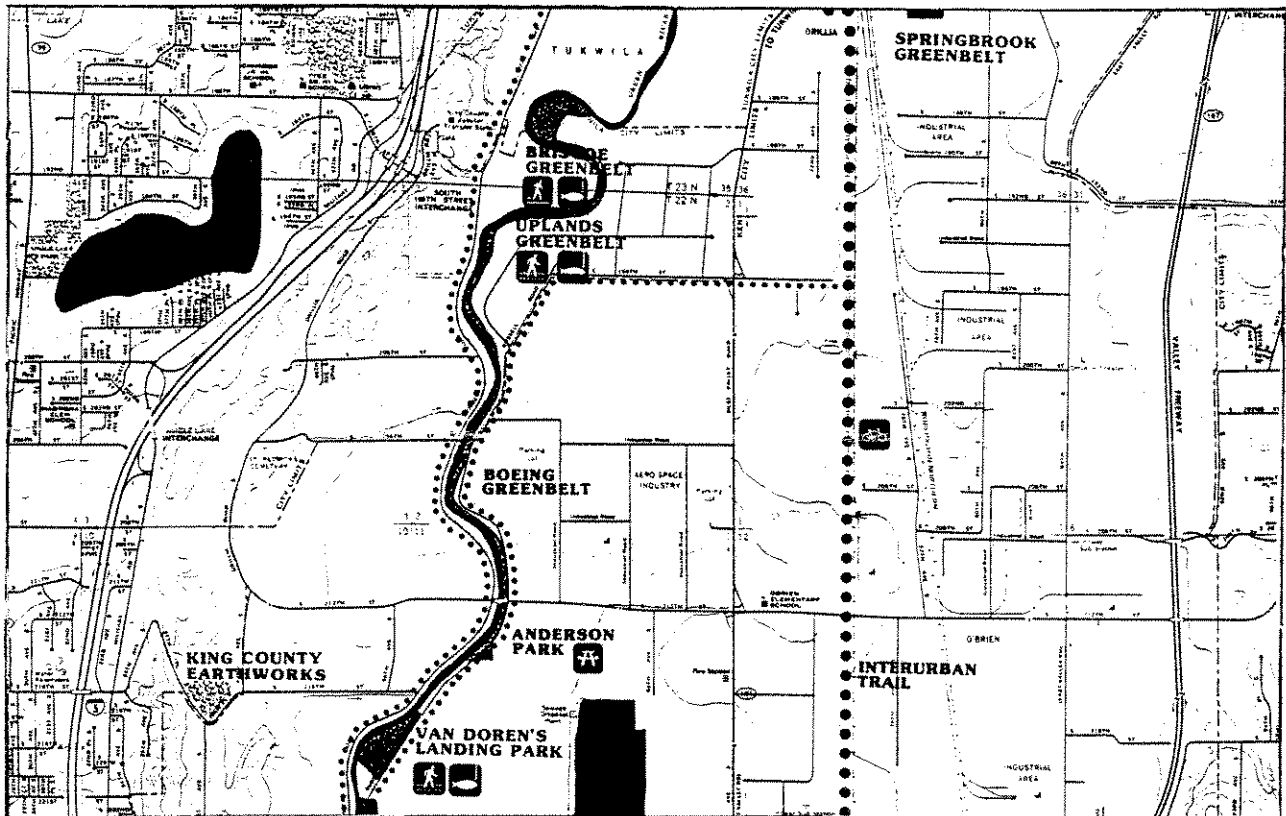
ANNOUNCING THE MIKE & KEY ARC 1994 SUMMER PICNIC

Saturday, August 27th
11AM

Van Dorens Landing Park in Kent
(just south of the Boeing Space Center Facility)

Hamburgers, Hotdogs, and Refreshments complements the Club.
You bring your favorite Potluck item.

Best Homemade Dessert contest



Mike & Key ARC Picnic Signup

Name: _____

Call: _____

Adults: _____ (including self)

Children: _____

Potluck item: _____

I would enjoy participating (if enough people sign up) in the following:

HorseShoes

VolleyBall

Softball

Foxhunt

Return signup to: 637 2nd Ave S, Kent, WA, 98032 or drop off at Club meeting
For Ideas on Potluck items to bring, call G.Ray at 313-0970

MIKE & KEY ARC CALENDAR

July 10 - August 13, 1994

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
July 10 IARU Contest	July 11	July 12 7:30pm WWDXC Meeting	July 13 7:30pm Club Net on 146.82 Repeater	July 14 7:00pm Public Service Net	July 15	July 16 8:30am Redmond Parade 10:00am Club Meeting 1:00pm VE Exams
July 17 12:00pm Kent Parade	July 18	July 19	July 20 7:30pm Club Net on 146.82 Repeater	July 21 7:00pm Public Service Net 7:30pm PARS Meeting	July 22	July 23
					SEANET Contest	
July 24	July 25	July 26	July 27 7:30pm Club Net on 146.82 Repeater	July 28 7:00pm Public Service Net	July 29	July 30 1:00pm Des Moines Parade
July 31 5:00pm China Town Parade	Aug 1 5:00pm University Parade	Aug 2	Aug 3 4:30pm Greenwood Parade 7:30pm Club Net on 146.82 Repeater	Aug 4 7:00pm Public Service Net	Aug 5 5:00pm TorchLight Parade	Aug 6 7:00am Bellevue Parade 9:00am Boeing ARC Meeting 1:00pm VE Exams - Kent (KF7VG) 4:00pm Lake City Parade
Aug 7	Aug 8	Aug 9 7:30pm WWDXC Meeting	Aug 10 7:30pm Club Net on 146.82 Repeater	Aug 11 7:00pm Public Service Net	Aug 12	Aug 13 8:00am SeaTac Repeater Group 10:00am VE Exams - Riverside Inn 1:00pm NAPRA Meeting

see editor for changes

7/9/94