



K7LED RELAY

The Relay is the official tabloid of the Mike and Key Amateur Radio Club. The Mike and Key ARC is dedicated to the growth and betterment of Ham Radio. We meet the third Saturday of every month at the Salvation Army Renton HQ, 720 Tobin St. near McLendon's Hardware store. The club operates repeaters on 53.05, 146.82 (103.5 CTCSS), and 224.12 under the call sign K7LED. The following nets meet on the 146.82 repeater: Club net on Wednesdays at 7:30 PM, Public Service net Thursdays at 7 PM. The Clubs mailing address is PO Box 2121 Kirkland, WA. 98083. All persons interested in Amateur Radio are invited to participate in the Mike and Key Club and it's activities. Yearly dues are: Single \$12, Family \$18.

VOLUME 23

JULY 1995

NUMBER 7

PRESIDENT

Carolyn Pasquier WV7Q
862-1157

TREASURER

Charles Stroehler WA7EBH
392-5303

TRUSTEE NO. 1

Tom Patterson N7VDU
432-1500

TRUSTEE NO. 4

Chuck Benefiel N7STR
279-1517

VICE PRESIDENT

Debra Hiraki KB7QMQ
242-8180

ACTIVITIES

G. Ray KB9HHK
313-0907

TRUSTEE NO. 2

Dan Humphrey N7QHC
243-0163

TRUSTEE NO. 5

Frank Henshaw K7VMG
931-8201

SECRETARY

Ryan Martin N7TNI
631-5370

RADIO OFFICER

Ken Rau K7YR
222-7711

TRUSTEE NO. 3

Al Hopwood KB7THX
747-5192 (COB)

EDITOR

Joyce Stroehler N7JPW
392-5303

JOYCE STROEHER
19415 SE 21st ST.
ISSAQUAH, WA. 98027

BOARD MEETING

On last Tuesday at 7:30 PM
Salvation Army in Renton
Next meeting - JULY 25th

CLUB MEETING

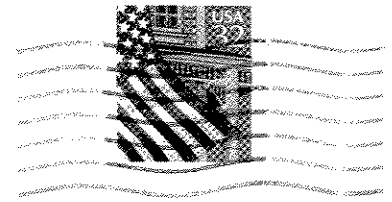
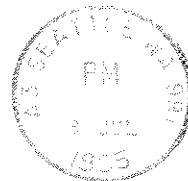
Saturday JULY 15th at 10:00 AM
Renton Salvation Army HQ
720 Tobin St. Renton
By McLendons Hardware
Doors open at 9:30 for donuts
TALK-IN ON 146.82 RPTR

RELAY DEADLINE

BY THE FIRST OF THE MONTH!

JUNE PROGRAMS

Premeeting: COAX CONNECTORS
Main Program:



FIRST CLASS MAIL

K7WTC
HEDBERG, PETE
20904 NE 77th ST
REDMOND, WA 98053

96/01

CHECK MAILING LABEL FOR DUES EXPIRATION DATE!

THE PREZ SEZ
Submitted by Carolyn WV7Q

Field Day was, once again, a huge success. Not because they've announced a winner, that victory will come later. We were most fortunate to have Nils as Field Day Chairman. Even with a late start, Nils' coordination of all of the activities, once again, seemed flawless. The teamwork was impressive. I, personally, had five adult non-hams and four children in my family section of the wagon wheel. Whether it was raising tents and antennas, or preparing food for the potluck, you could find experienced hams working with new hams and non hams, teaming up for the common goal of learning. Learning about each other, learning about ham radio, learning new and better ways of doing mostteverything.

My cousins came from Oregon to see "the real thing." Being experienced motor homers, they have long been interested in Amateur Radio. Ross and his son, John began studying the book after my visit in March. They haven't taken the test yet. They left pumped up and ready to get that license. (I try to imagine what it must be like, to be between studying and the test, and experience a field day. Maybe just a little overwhelming?) I was most pleased to find that they were accepted into the group without hesitation. One of the greatest satisfactions (or hurdles, depending on how you look at it) I get from this group is that the only thing that we all really have in common is Ham Radio. The diversification of our members means that we all can learn something from every other member. It is this same diversification that presents real challenges to the board members. My apologies to those who continue to support the 15 meter station year after year. I'm sorry the band was not as cooperative as it has been the last three years. We had only about 5 hours of really open conditions this year, 10 hours of hunt and wait, and 9 hours of true closure. This year the pleasure was spread around more evenly. 20 and 40 Meters, and the CW station had record contacts. (Sorry I don't have actual numbers to share as yet) The conditions were definitely in our favor this year. With three bands that were so Hot!, I feel a BIG WIN coming on.

To those who participated, thanks for the camaraderie, the teamwork, and all that you allowed me to learn from you. Be Proud, you represented K7LED well! We'll all see just how well in November. 73,
 Carolyn

SEAFAIR'S COMING THIS MONTH
Submitted by Chuck WA7EBH

I still need some dedicated Ham volunteers that like to work parades and public service events. If you are interested give me a call at 392-5303. If you have never

worked an event, come on out anyway, as we have people that will train you. Thanks.

Mike and Key General Membership Meeting
June 17, 1995
Submitted by Ryan/N7TNI

Present were:

President -Carolyn/WV7Q, Vice President - Debbie/KB7QMQ, Treasurer - Chuck/WA7EBH, Secretary - Ryan/N7TNI, Activity Manager - G. Ray/KB7HHK, Trustee #1 - Tom/N7VDU, Trustee #2 - Dan/N7QHC, Trustee #4 - Chuck/N7STR, and Radio Officer - Ken/K7YR.

Call to Order:

Pledge of Allegiance

Welcome to members and visitors: Carolyn/WV7Q welcomed the first time visitors, and asked that they not vote in any elections today. She reminded us that the coffee fund is self supporting. When you take breaks, please use the west side of the building. Frank/KA7QHG announced that he had heard on the radio this morning that Bob/KB7PEC was being taken to the hospital in Federal Way.

President - Carolyn/WV7Q introduced the Mike and Key internet address, which is MikeandKey@AOL.COM. She called for approval of the minutes of the last membership meeting, as published in the RELAY. Nils/WB7TJK moved they be approved, seconded by Jan/N7WJB. Carolyn will make her report when the Education Committee is called upon.

Vice President - Debbie/KB7QMQ presented five membership applications: George Wheeler/KJ7HB (not present), Jerry Valentine/KC7EYN (not present), David Lee/KC7FSR (not present), and Bruce Hulse(not present). John Mercer/KC7EWE, present. The club membership voted to accept John Mercer as a member.

Secretary - Ryan/N7TNI had nothing to report.

Treasurer - Chuck/WA7EBH reported on the financial status of the club, and had the books available for the members to inspect. If anyone wants to pay their dues, see Chuck.

Activity Manager - G. Ray/KB9HHK has confirmed for the September meeting a program by John/KA7TTY on the National Traffic System.

Radio Officer - Ken/K7YR has brought in Ferry schedules for those going to Field Day. All of the repeaters are working just fine. Ken has been busy, but is getting the new 2 meter machine put together, and should have it up in test mode in the next month or so, and should have it on the site sometime before winter. Ken is the current holder of the Golden Alligator trophy, and presented it to Stephan/KB7WKK. Ken didn't have the trophy with him today, so Stephan will have to wait until Field Day to take possession of it.

Chairman of the Board - Al/KB7THX is on vacation.

Committee Reports: Times for all scheduled committee meetings were posted on the wall behind the front table.

Strategic Planning - Chuck/KB7OS is the new chairman. An intensive session will be held, to try to get the pulse of the club, for a true representation of amateur radio in the club, and of all the related persons, family and children. Anyone who would like to contribute ideas is welcome to attend the meeting. It will be about two hours in length, and will be held July 15th here immediately after the general membership meeting. Bring a brown bag lunch.

Flea Market - Chuck/WA7EBH announced that the next meeting will be held in September. Chuck distributed about 400 flyers at Seaside. He said that Yaesu and Kenwood will try to exhibit at our Flea Market. Chuck also distributed flyers at a commercial show in Spokane, and has some ham friends over there who will be hitting the hamfests in the east side and are willing to distribute flyers for our event.

Facilities Committee - Carolyn/WV7Q announced that Niis/WB7TJK has agreed to be the chair of this committee, after he has wrapped up his duties as Field Day chairman.

ARRL - Harry/W7JWJ asked that Field day messages be given directly to him over the air, and not be put on packet. He said last year a lot of messages were dumped by the Sys Op and didn't get credited. Harry also reminded us of safety concerns at Field Day, relating how an operator had lost an eye during Sound Shake due to an accident while putting up a wire antenna.

Field Day - Niis/WB7TJK reported that Carl/W7PRW and he had transported the generator trailer to Fort Flagler. On the way there, he discovered that three plys were worn through on one of the tires. This equipment is for use during catastrophic conditions. Please take the opportunity at Field Day to carefully check all of the equipment for safe condition, we want a safe operation, we don't want any injuries or problems.

Net Report - Frank/KA7QHG Every Wednesday night at 1930 there is a check in net on the club's 146.82 repeater that runs for about an hour. This is an informal net where you can meet new people. Everyone is welcome to check in, you don't have to be a member. Frank also needs one additional net control operator. You only have to run the net one out of five weeks. See Frank if you are willing to do this. Frank will publish the schedule in the RELAY. Frank said he has been carrying around a Most Valuable Flea Market Player plaque for Dick Bridges/N7YOB since the awards banquet. Dick was present today, but Frank had left the plaque at home.

USS Missouri event - Debbie/KB7QMQ is still looking for operators to operate two hour shifts, one hour on the air, with one hour of logging. The station will

commence operations at noon on Friday, September 1, and will operate continuously until they close down on Sunday, September 3 at 6:00 PM. They need people who have training, particularly with pile ups on HF. There will be a general meeting for all operators at the end of July. Debbie has shirts available for sale today. She will have an article in the RELAY with more details.

Education Committee - Carolyn/WV7Q, as club President, has been working hard with the education committee to set up an opportunity over a three month period to get youth who want to know a little more about electronics or amateur radio acquainted, and affiliated with our club, and perhaps have them form a club of their own if they would like. We are working on a construction project to present them with, and one of our members came forward and said that he would be happy to design the board needed. He has asked for a moment to update you on that. Bill/KL7BB demonstrated a procedure for laying out and transferring a circuit pattern onto a copper clad board using Xerox paper, a laser printer and an electric iron.

Old Business: Carolyn/WV7Q announced that the club will be twenty five years old in October 1995. The program for the October meeting will be a Silver Anniversary party, please come.

New Business: Jack/KB7ZS received a letter from the ARRL, acknowledging his petition (as first signer) of Mike/WA7UVJ for ARRL section manager. Jack says it looks like if you are the first person on the list to ask for something, you become the petitioner.

Mary/W7QGP informed us that if you have an antenna mounted on your vehicle that extends beyond seven feet high, you will be charged the higher rate for a van or truck on the ferry system.

Niis/WB7TJK moved that our board of directors, at their meeting, determine how much funding the Mike and Key Club will donate in support of the AMSAT Phase-3 project. Motion was seconded and passed. The board will consider this topic, and bring back a recommendation to the membership for a vote.

Chuck/KB7OS will have an article in the next RELAY, as a follow up to his idea of having a new column focused on employment information. It will be called Ham RELAY-tions

Good of the Order: Stephan/KB7WWK needs a ride to Field Day, he's the six meter band chairman.

Carolyn/WV7Q asked us to watch for a vehicle that would be suitable for a club communications facility and give info to Niis/WB7TJK.

Raffle: The winners were: KC7EBC/Elenor - Oil Lamp and oil, Pete/N7UIF - Oil Lamp and oil, Dawn Humphrey - 2 6 volt gel cell batteries, Carl/W7PRW - 171 feet of 9 Ga. aluminum wire, and Mike/N7GVQ - 171 feet of 9 Ga. aluminum wire.

Mike and Key Board Meeting**June 27th, 1995****Submitted by Ryan/N7TNI**

Present were: President-Carolyn/WV7Q, Vice President-Debbie/KB7QMQ, Secretary-Ryan/N7TNI, Treasurer-Chuck/WA7EBH, Trustee #1-Tom/N7VDU, Trustee #2-Dan/N7QHC, Trustee #3 - Al/KB7THX, Trustee #5-Frank/K7VMG, Activity Manager-G. Ray/KB9HHK, Visitors were Dawn Humphrey, Frank/KA7QHG, Jack/KB7ZS, Mike/WA7UVJ, and Nils/WB7TJK

The meeting was called to order by Al/KB7THX at 1930

Officer Reports:

President: Carolyn/WV7Q is working with Bill/KB7BB on a code oscillator board. She has 5 persons working on the committee planning the October '95 program, to celebrate the Mike and Key Club's Twenty Fifth anniversary.

Vice President: Debbie/KB7QMQ has five applicants for membership. There were Paula Cather/KJ7KD, Robert Goodnow/N7JHJ, Michael Roley/KC7EGO, William Hughes/KC7EBF, and Misty Lane (waiting for call sign). After discussion, the board approved the candidates for a membership vote at the July general meeting. Debbie had membership packets for Larry Price/KB7RLG, Ted Thompson/KB7ZQQ, and Barry Boyce/KC7BZG. Records indicated that Larry and Ted have been dropped from membership. Debbie will mail Barry's membership materials to him.

Treasurer - Chuck/WA7EBH gave the financial report to the board. As usual, financial data is available for member's review at the general meeting.

Secretary - Ryan/N7TNI had nothing to report.

Activity Manager - G. Ray/KB9HHK contacted the American Red Cross about first aid training. They charge \$22.00 per test administered, and \$200.00 to train a first aid instructor. A minimum first aid program takes two hours to put on. The board discussed the topic of first aid training and other training resources. G. Ray will research the options and report back, along with a survey sheet at the next meeting to determine interest level in the club members in having first aid training. G. Ray is working on a presentation on QRP for the July program.

Radio Officer - was not present.

Standing Committee Reports:

Public Service - Dan/N7QHC reported there are lots of parades coming up that Chuck/WA7EBH could use help with. The committee has more or less dissolved for the summer as far as meetings are concerned.

Technical and Special Interest: - Tom/N7VDU was not present at last month's board meeting due to a schedule conflict, but had submitted a letter to Carolyn which she read. This was not reflected in last month's minutes, due to technical problems with the recording equipment (Secretary had plugged the microphone into the earphone jack of the recorder). Tom asked for

clarification on what the committee is supposed to do, there was a discussion. Carolyn mentioned she has asked for advice from the committee on selecting antennas for use at the Salvation Army sites throughout the region, and still needs a response. Tom asked if loaning out the antenna analyzers is part of the duties of the committee. Michael/KG7MX took on this task while serving on the board, and is still handling this. Carolyn suggested that Tom contact Michael to see if wants to continue to handle the loans, or make other arrangements.

Education and Training-Frank/K7VMG reported that they don't have a chairman yet, but that they have been meeting. They will not be meeting on July 3. Frank/KA7QHG will be putting on a program before the July general meeting at 0930 on installing PL259 connectors. There will be an entry in the RELAY about this.

Facilities and Publicity - Al/KB7THX announced that Nils/WB7TJK will be the new committee chair, after he completes his work on Field Day. Al reported on a communications trailer he saw down at Seaside.

Field Day - Nils/WB7TJK wanted to acknowledge John Mercer/KC7EWE for making his first tower ascent, when he climbed the 40 foot novice tower and installed their 10 meter beam. Thanks to Chuck/N7STR for putting on a great dinner at the wagon wheel, and for going the extra mile by cooking Saturday night too. The Fort Flagler staff complimented our club, praised our conduct and the effort we put out cleaning up the facilities. Nils has three more disks to tabulate before he knows how we did this year on QSO's. The club's new polypropylene rope got put to good use this year, Nils reported that Dean/N7NKO used an entire 600 foot roll of 1/4" to put up his wire Yagi. The 1/2' roll has been divided into six lengths of 100 feet each.

Old Business: The Twenty Fifth anniversary program needs funds, Jan/N7WJB will submit a budget for the event. According to the treasurer Chuck, this event would be funded from Unanticipated Expense and the expenditure proposal must be brought to the board for consideration, and presented to the membership for a vote. There was a discussion about creating a 25th anniversary coffee mug for sale to the members, with the Mike and Key logo, and perhaps name and call sign. Jack/KB7ZS will contact vendors to get more information.

Al/KB7THX read a letter from Nils/WB7TJK to Carolyn/WV7Q, concerning the storage of club equipment. The board discussed the subject. Inquiries will be made in an attempt to find locations where the club's equipment can be securely stored. Jack/KB7ZS will check with the rangers at Fort Flagler to see if the tower trailer can be stored there, and Ken/K7YR will be contacted to arrange for storage of the other equipment.

Tom/N7VDU moved that the club purchase and distribute twenty copies of 'Now Your Talking' to Junior and Senior High School libraries, seconded

by Carolyn/WV7Q. After discussion, the board voted unanimously to approve. The education committee will formulate a list of schools that will receive the books. Kathy/KB7QMO will contact the ARRL to see if we could get a discount for books for this purpose.

New Business: Nils/WB7TJK has 250 cases of Aqua Vie, a 'lightly flavored spring water beverage', that he is giving away. Each case contains 24 1/2 liter plastic bottles. Nils contacted the manufacturer, who says the product has a shelf life of five years. This would be great for emergency supplies. Give Nils a call if you can use some.

AI/KB7THX attended the 'Worlds largest Amateur Radio Conference in southern Germany last week. They had vendors from 30 countries, with 50,000 people attending. AI is going to mail some K7LED QSL cards to people he met from the P03 club. AI gave a short report on some of the interesting and unusual products he saw there.

Chuck/WA7EBH wanted a selection made for Field Day MVP. John/KI7OT was nominated by Mike/WA7UVJ, and Chuck/KB7OS was nominated by Carolyn/WV7Q. The board voted to select Chuck/KB7OS.

AI/KB7THX will chair the picnic for this year.

WW2END - Missouri event. AI/KB7TXH reported that Tom Sanders of the North Kitsap Amateur Radio Club said the Clinton administration wants to charge the event \$3500.00 to provide security. A local bank is willing to pay the fee, if they can donate the money to a tax exempt group and therefore get a tax deductible contribution. The board suggested several organizations that may be contacted by the organizers.

Good of the order: Tom/N7VDU says there is a person in Maple Valley who has surplus army communications modules available. Call Tom for more information.

Carolyn/WV7Q asked that all committee chairs submit reports to the RELAY with the scheduled meeting times, so that they can be published on the events calendar each month.

Nils/WB7TJK asked if we are doing anything for the Radio Club of Tacoma's Flea Market, to be held August 12. He suggests we send members to help them since they have been helping us. He also mentioned that he had contacted the Washington Department of Transportation about two weeks prior to Field Day, to get ferry schedules. They arrived with a post mark of June 23rd, too late to be useful.

Dan/N7QHC suggested we work with the Radio Club of Tacoma and put on a joint two day event. Chuck/WA7EBH said that there are tax reasons for not putting on two day events.

Meeting was adjourned at 2137.

Field Day '95

Submitted by Michael, WA7UVJ

Well, it's been 5 days since I got back from Fort Flagler and I finally got the truck unloaded. Compared to last years results, it was a mighty fine Field Day all in all - especially ON THE BEACH.

This year, we ran short of volunteers to chair up the usual two station on CW Beach. This was actually a plus as we were short CW operators and probably couldn't have manned two stations full time. Instead, those of us who plied the fairer mode got to run full bore on the busiest available band at the moment.

Setting up was more of a chore on the beach as we put up a full 4 element Quad for 15 and 20 meters. With the wind, it was a little hairy getting up and tuning but once we got it working, it did a bang-up job. A 40/80M Butternut vertical in the surf pulled in the low bands without difficulty. This year, the vertical stayed up in through several high tides without a whimper (however, hauling those concrete blocks out on the beach was no easy feat and I was tempted to leave them there).

Of course, when 11AM came around on Saturday, the CW Beach was flying high and fast. Looks like the phone dudes need a little more organizational ability as the beams didn't make it up the towers 'til way past start.

The highlights on CW Beach....

We worked 870 contacts (plus a few persistent dupes).

We worked all 50 states although Vermont managed to hold out 'til late Sunday morning. Most Canadian provinces except VE1 fell to our mighty keys. Even the Caribbean desired K7LED QSO's as Puerto Rico and the Virgin Islands found us.

Our average rate was about 36 contacts an hour with a peak hour of 53 Q's. During one 10 minute burst we produced a 119 Q per hour rate (that's two a minute for ten minutes straight) but that's hard to keep up in this type of competition.

R6C (Russia) came through easily on 80 meters Sunday morning.

Of course, none of this could have happened without lots of help. I wanna thank all who helped do setup, teardown, and the operating. Special thanks to John/KI7OT who spent as much time performing setup and online at the key as I did to fill in the shorted operating slots.

As for next year, we already have some ideas for a smoother setup and I hope that some of you who hung around with a wishful look in your eye will get back up on the CW curve and lend us a hand. Towards that end, I am gonna try to get ahold of some contesting practice software that should help if you are interested in working with it. While nothing beats getting in real contests, it might help.

"FIELD DAY REFLECTIONS"**Submitted by Chuck, KB7OS**

Since this column is really for the good of the order, it seems appropriate to comment here about the overall impression I have of the Field Day we just experienced. Having not been down at the communications areas for several years, I had no real idea of what normally was expected during the setup, operation and teardown of the contest sites. If I had been a visitor to witness the goings on would I feel impressed or embarrassed?

I can say without fear of over exaggeration that the examples that were set would make any organization proud. There was an apparent general feeling of comradery and cooperation at each of the antenna sites. When someone who seemed to know what needed to be done asked for people to help, whoever was nearby headed over to give a hand. There was little if any frustrated anger over lack of cooperation. Everyone wanted to do what was needed even if they had no previous experience.

Speaking of experience, as an inexperienced twenty meter band chairperson, I decided that it was best to try to go along with everyone's ideas of how to plan and operate as long as they didn't seem to conflict with the overall coordination of the event. In so doing those who wanted specific times to operate and lengths of shifts were accommodated. When someone wanted to stay at station longer than scheduled, as long as there was no objection from the next person or if the time was unscheduled, I felt it only fair to encourage that enthusiasm. One operator who said he hadn't contested in over 25 years ended up staying for an hour or more after his duper went to bed in the early morning hours. Hopefully he will be excited about participating when next year's effort comes around. I also saw a willingness for bystanders who were not scheduled to jump in and help until a missing operator showed up. The flexibility seemed to be enjoyed by everyone.

There were a few problems when the contest start time arrived. The desk mike for the TS-820 we were using was flat dead, so a handmike was rounded up. Well, it had a broken wire and had to be manipulated to keep the QSO going. Meanwhile we discovered that the desk mike was OK when the base plug was rotated 180 degrees to change the mike impedance.

For a while we were operating without the neat aircraft headset normally used at this station because there was no adapter for the four pin audio plug on the TS-820 to the eight pin headset. So the little four inch speaker seemed to be our only acoustic resource. Further, we had no place to plug in a PTT switch even if we had the adapter. Bill, KL7BB, kept explaining how we could possibly solve this situation. Finally I just said to him to give it a shot. He disappeared for quite a while

only to return with a borrowed four pin plug from a CB set and a little homebrew soldering that integrated the PTT switch and headset. How nice it was to be able to shut out the ambient noise of the shack while operating the rest of the contest!

This kind of group effort is reflected not only in the 790 contacts the station recorded, but when the big beam was lowered to the ground, it looked to any passerby like a well oiled team who did this every weekend was at their very best performance.

I can't begin to thank everyone who donated their time, equipment, expertise and encouragement to make this a very positive experience for me as a Johnny-come-lately band chair, but for the good of our club order I want to here acknowledge that no one's contribution has gone unrecognized.

I also want to say that if this is the way we come together to stay in the 6A classification for Field Day, I would encourage anyone who has not chaired a band to "give it a shot" and experience the feeling of what being a club member is all about!

Hope I see some new faces running the show next year!

New Column: "HAM RELAYtions"**Submitted by Chuck, KB7OS**

As many of you are aware from pursuing our fine publication in the June installment, that I suggested that the club could use a column for the exchange of employment information due to the frequent life changes that go on in this economically unsettled world of today.

Well, what I had in mind was really more than just a place to make us aware of those needing new careers. What I envisioned was somewhere we could show our collective information conscience, thus the name of the column "HAM RELAYtions". It is to take in any area of our common life needs that don't get expressed or discussed very often in normal club business. Jobs just seemed an excellent place to start.

To further illustrate what can be done here, and since I haven't got a current resume to synopsise, let's start with awareness of a very fine ham oriented organization that deals with peoples' needs, the American Red Cross.

While we tend to think of them much as we do our facility benefactors the Salvation Army, as arranging the support of others, they have very significant needs themselves. So below is the 1995 Red Cross "Wish List". To help their staff and volunteers do their jobs more effectively they could use some or all of the following:

OFFICE FURNITURE:
4-drawer filing cabinets
desk chairs & side chairs

computer tables & stations
 bookcases & bookends
 20-drawer Kardex file
 folding tables
 credenza shelf units
 sound-proof room dividers
 locking display cabinet

COMPUTER EQUIPMENT:

PC computers (any brand)
 Macintosh computers
 Power Macs
 486 PC with 60 MB
 Upgrades to 486 computer
 laptop computers
 modem
 mouses
 laser jet printers
 HP LaserJet 4Ms
 color printer
 600 x 600 dot printer
 software:

Aldus Freehand upgrade
 Adobe Illustrator upgrade
 Adobe Photoshop
 Pagemaker
 Word
 Excel
 Lotus Smart-Suite
 Quark Express
 Lap-Link wireless software
 Win-Fax Pro upgrade
 Novell NetWare (latest vers.)
 M.S. Excel (LAN vers.)
 Windows (latest LAN vers.)
 M.S. Word (LAN vers.)
 WordPerfect Windows 6.0 (LAN)

KITCHEN SUPPLIES:

toaster oven
 kitchen knives
 small refrigerator

OFFICE SUPPLIES/EQUIPMENT:

fax machines
 VCR
 electric typewriters
 electric stapler
 three-hole punch
 adding machine & calculators
 40"x60" dry-erase board
 medium-size cork boards
 exacto knife
 current zip code directory
 dictionary
 in/out basket
 horizontal drawer-filer

desktop file holders
 3" binders
 wall clock

DISASTER EQUIPMENT/SUPPLIES:

back-up generator
 Thomas Guides
 country, state & world wall maps
 any size cotton thermal blankets

GRAPHICS EQUIPMENT:

folding machine
 saddle stitcher
 manual paper cutter
 Kompac Kolormate Fountain system for 1650 printing press
 color drum for 5375 Copyprinter
 18"x18" paper trimmer
 large self-healing cutting mat
 film processing and photo framing

WAREHOUSE EQUIPMENT:

6-foot step ladder
 small forklift
 hydraulic hand-truck
 pallet jack

OTHER:

plants
 cable hook-up
 mini van vehicle
 toy box

If you or anyone you know might have any of these things to donate, please let them know to contact:

Seattle-King County Chapter
 American Red Cross
 1900 25th Avenue South
 Seattle, Washington 98144-4708
 (206) 323-2345
 fax: (206) 325-8211
 TDD: (206) 322-2184

Thanks for considering this place to see our RELAYtionships with not only the HAM community, but everyone who volunteers or is in personal need.

Send me any ideas or employment resumes or qualifications and articles at least two weeks before the end of the month for inclusion in the next club newsletter at the following address:

KB7OS Chuck Foltz
 2820-179th Avenue N.E.
 Redmond, Washington 98052
 (206) 881-6026
 (206) 883-8936 (When hooked up.)

Missouri Project Update
Debbie Hiraki, KB7QMQ

If you have signed up to operate on the Missouri in September and have not received a call from either Al, KB7THX or myself to confirm your operating time, please let us know immediately. You may also contact Matt Amis, AA7LP, the Onboard Manager at (360)871-7099 or mvamis@aol.com.

The shifts are scheduled for two hours, each with an operator and a logger. It is suggested that each spend one hour at each task. The team is strongly suggesting that operators have experience with "pile ups". If you have no experience in this area, please let us know.

Schedule for operation:

Aug. 25: preliminary set up

Aug. 26-29: set up equipment, work out the "bugs"

Aug. 31: transition to training

Sept. 1: begin operation of WW2END

Sept. 2: ceremony on board, 2 p.m.

Sept. 3: end operation of WW2END (6pm local time) and tear down.

WW2END T-shirts will be for sale at the July and Aug. meetings. A general meeting for all operators is tentatively scheduled for July 29, in Tacoma at 2p.m.

There is also a net every Tuesday at 8 p.m. on the 146.82 repeater.

Northwest DX Convention
Submitted by Michael, WA7UVJ

July 22-23, the Western Washington DX Club will host the 1995 Pacific NW DX Convention in Renton. This travelling road show rotates between three major DX Clubs in Vancouver, Portland, and Seattle and features the largest gathering of DXers in the Northwest.

The convention will be held at the Holiday Inn in Renton. This hotel sits at the conjunction of I405 and SR167. As you might guess, the programs are geared mainly toward the DXer (though you might find a little contesting thrown in).

Programs include (but not limited to)

"Scarborough Reef" by KJ4VH

"Using Propagation Programs" by N6NR

"The Lazy-H Antenna on Steroids" by the author of IONCAP

"Travels with Frank" by AH0W

The Banquet program is hosted by Chip/K7JA and is titled "DXing without Sunspots". The breakfast program is titled "25 reasons NOT to go on a Dx-pedition" and is hosted by Chod/VP2ML. There is a Hospitality Suite on Friday night.

Registration prices are:

\$17 - programs only

\$25 - banquet only (choice of salmon or chicken)

\$9 - breakfast only

\$49 - the whole ticket (programs, banquet, breakfast)

Rooms are additional if you desire to stay at the Holiday Inn and make a weekend of it. This is a good convention for the DXer and it will be 3 years before it comes around again locally. For additional info, call (206) 784-1089.

WELCOME TO THE RIGGING CREW FRATERNITY
Submitted by Nils, KB7TJK

The information given to me is sketchy, but I was told that we have a member who buckled on a safety belt for the first time, climbed to the top of the 10 meter tower andbuckled up to the tower felt that he still had to hang on to the tower with one hand and lift the Yagi antenna into place with the other hand.

The important thing is that you did it. I remember the first time I climbed a 65 foot pole with spurs and buckled up my safety belt when I got to the top. It took several trips before I learned to trust that belt and used both hands to work with.

I wish I knew who the individual was so I could thank him for joining the rigging crew. What we all appreciate is you came forward and gave it a try, did the job and made things easier for all by doing so...Nice going and thank you.

YL'S/XYL'S DID THEIR SHARE
Submitted by Nils, WB7TJK

It seems I have been giving out KUDOS to the OM members of the club for their help in getting the equipment together for our contest. As I moved around on the bluff, I saw several of the gals, wrenches in hand, assembling driven elements, reflector elements and directors to the Yagi boom. They saved much time and were very much a part of the construction team. Thanks for coming up and taking part. To sum it all up, this year was one heck of a terrific Field Day event. It sure is a great feeling to be a "HAM".

ANOTHER YEAR, ANOTHER THANKS
Submitted by Melissa, KB7SDC

I would like to thank everyone who volunteered their time to work on ten meters at Field Day: Bill, KB7TBE; B.J., Josh and Andrew Johnson; Keith Allen; Peter Kozlowski, N7UIF; Rick, KF7VG; Chris and Jeremy Antes; Dave Smith, KB7PSN; Alan Olson, KB7NYF; and everyone else who worked on the station.

I would also like to thank Nils for letting us use the coax; my parents and Ryan Martin, N7TNI for help setting up and taking down the station. Once again, thanks and see you next year.

EDUCATION/TRAINING COMM. REPORT**Submitted by Frank, K7VMG**

The Education and Training Committee meets the first Monday of the month. The last meeting was June 4. No chairman has been selected (elected). Attending were: Carolyn/WV7Q, AI/KB7THX, Lew/K7QMP, Frank/KA7QHG, Frank/K7VMG, Frank/KB7YG.

Carolyn reported the fellow is working on the Code oscillator.

Lew/K7QMP and Frank/KA7QHG will present a Coax Connection and Soldering demonstration/discussion at 9:30 AM prior to the July 15 meeting.

A questionnaire will be distributed to the membership showing interests, operating bands, activities, etc. This will be in checklist form. The information will be used to provide effective training.

FIELD DAY IS NOT OVER YET!!!**Submitted by Nils, KB7TJK**

It's not over until all the log discs and log sheets for the bands have been turned in to the Field Day Chairman for review and tabulation. Then the scores entered on the ARRL summary sheet and sent in to ARRL Headquarters.

Hey! If you are turning in any material to Nils, identify, identify, and identify again what band it pertaining to and who is turning it in. I am not a whiz-bang computer type. I have been offered help by a member who is. Please, if you have not as yet forwarded your long information for Field Day, Do So Now, so I can beat the July 26 deadline. Need I say more??

ARE YOU WORTH 10 BONUS POINTS?**Submitted by Nils, KB7TJK**

Debbie, KB7QMQ, our VP, copied the W1AW Bulletin for 100 bonus points for the club. The message advised that all ARRL members who participated in Field Day and worked 1 QSO, were entitled to 10 bonus points to be added to their club's score. If you are one of these operators and the Field Chairman has not contacted you, Please call him at 242-8271. I will only be able to check by calling the members who signed up on the band rosters. If you did not sign up on the Bulletin Board at the Wagon Wheel, I will not know you worked on one of the bands.

ANTIQUA RADIO SWAP MEET

Sunday August 20, 1995 from 9 AM to 1 PM at the Shoreline Museum Parking lot located at N 175th and Linden Ave. North is Seattle. Admission is **FREE**

POP YOUR BUTTONS, DEAN!!!!**Submitted by Nils, KB7TJK**

N7NKO has reason to throw out his chest. His new wire Yagi antenna for 40 meters phone received several comments from stations contacted that his signal was the strongest they had heard from the West Coast. Nice going, Dean. I am sure you now feel that all the work you put into the project was well worth the effort.

"FIELD DAY FANTASTIC"**Submitted by Nils, KB7TJK**

The weather was perfect. The portable sani-cans were new and squeaky clean and the music roll was available, pure white, and soft and of Charmin quality. I was even able to locate Goodman Sanitation, 3 miles West of Port Townsend, in the middle of the forest. I had to, so I could pay them for their service.

The generator ran like a Swiss watch, once we got it started. The towers went up and came down without any major problems and I thought there were several new faces that showed up to help. It certainly made the work easier. It was recorded that we did not attempt to contact any navy vessels by under water propagation. (All antennae on the beach remained in a vertical position.)

The pot luck dinner on Friday was an event beyond description. Our chef, N7STR, outdid himself by waiting after dinner for some late comers and firing up the gas barbecue so they could get some hot hamburgers and hot dogs. Then on Saturday evening, he cooked the 30-some burgers and 2 dozen hot dogs that had been left over. Thanks for going the extra mile, chuck. We all appreciate your effort. You might have set a precedence.

Participants were more this year than last. Several band chairmen told me they were not abandoned at midnight this year, but actually had someone dupe for them or work the mike. That's what Field Day is all about. Well done, gang!

HI TO WA ON 2M**Submitted by Jim, K7ND**

On 6-30-95 at 0430Z, Hawaii was worked on 2 meter by W17Z and N7KSI. Both live in Aberdeen. His name, Gayland, W17Z, reported that KH6HME's signal peaked at S8.

On July 1, starting at 0605Z, KH6HME was worked by W7FI, WM7A, W7YOZ and N7MWW. The Hawaiian station was heard for just over 1 hour.

W17Z is the first one to ever work Hawaii from the State of Washington.

July 9 - August 19, 1995

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
July 9	July 10	July 11 7:30pm WWDXC Meeting	July 12 7:30pm Club Net on 146.82 Repeater	July 13 7:00pm Public Service Net	July 14	July 15 8:30am REDMOND PARADE 146. 58 10:00am Club Meeting 1:00pm VE Exams
July 16 12:00pm KENT PARADE - 146.58	July 17	July 18	July 19 7:30pm Club Net on 146.82 Repeater	July 20 7:00pm Public Service Net 7:30pm PARS Meeting	July 21	July 22
July 23	July 24	July 25 7:30pm Club Board Meeting	July 26 7:30pm Club Net on 146.82 Repeater	July 27 7:00pm Public Service Net	July 28	July 29 1:00pm DES MOINES PARADE - 146.58
July 30 5:00pm CHINA TOWN PARADE - 146.58	July 31 5:00pm U DISTRICT PARADE - 146.58	Aug 1	Aug 2 5:00pm GREEN WOOD PARADE - 146.58 7:30pm Club Net on 146.82 Repeater	Aug 3 7:00pm Public Service Net	Aug 4 4:00pm TORCH LIGHT PARADE - 146.96	Aug 5 7:30am BELLEVUE PARADE - 146.58 4:00pm LAKE CITY PARADE - 146.58
Aug 6 HYDRO RACE	Aug 7 Education and Training Committee	Aug 8 7:30pm WWDXC Meeting	Aug 9 7:30pm Club Net on 146.82 Repeater	Aug 10 7:00pm Public Service Net	Aug 11	Aug 12 8:00am SeaTac Repeater Group 10:00am VE Exams - Riverside Inn 1:00pm NAPRA Meeting
Aug 13	Aug 14	Aug 15	Aug 16 7:30pm Club Net on 146.82 Repeater	Aug 17 7:00pm Public Service Net 7:30pm PARS Meeting	Aug 18	Aug 19 9:30am AUBURN PARADE-146. 58 10:00am Club Meeting 1:00pm VE Exams