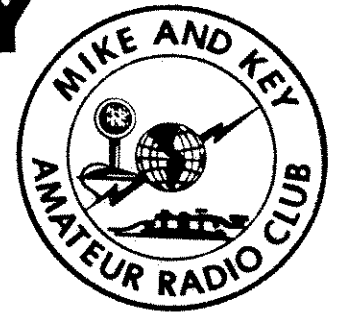


K7LED RELAY



The K7LED RELAY is the Official Publication of the MIKE and KEY AMATEUR RADIO CLUB, P.O. Box 2121, Kirkland, WA 98083-2121. The club meets the third Saturday of each month at 9:30 AM in "The Good Neighbor Center", 305 S. 43rd St., Renton, WA. All "HAMS" invited. The Mike & Key Net meets each Monday evening at 1930 hrs on 224.12MHz. Your checkin is welcome.

AN ARRL AFFILIATED CLUB LOCATED NEAR SEATTLE, WASHINGTON.

VOLUME 16

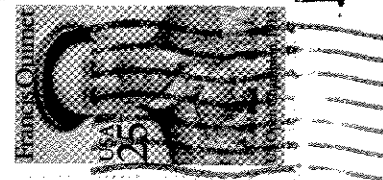
JULY 1988

NUMBER 7

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19415 SE 21st St.
Issaquah, Wa 98027

AUGUST RELAY DEADLINE---August 9!!!



First Class

REPEATER FREQUENCY
 52.05 - 53.05
 146.22 - 146.82
 224.12

BOARD MEETING

FIRST TUESDAY
OF EACH MONTH

CLUB MEETS:

16 JULY 1988

CLUB CENTER

RENTON 10:00

BREAKFAST @ 7:30

@ MITZEL'S

KENT

HEDBERG, PETE K7WTG
 20904 NE 77TH ST
 REDMOND
 WA 98053

COFFEE AND DONUTS WILL BE READY AT 9:30

AUGUST 9 -- RELAY DEADLINE!!!

FROM THE PRES.....

Another Field Day has come and gone. Were you there? If not, you missed a great time and meeting many of the new members. It seemed to me that it was much harder this year to know who was running on each of the bands because of the new faces. But just the same, the MIKE and KEY was very well represented. Start planning now for next year so you won't miss out on all the fun.

I'm going to miss the July meeting so Vic WB7TBR will conduct the general meeting. Please give him any inputs you have so that we can discuss them at the next board meeting.

DON'T forget your food, PLEASE!!! This donation is badly needed by the boys.

Have you signed up for the club picnic? If not, ask your activities chairman how you can help. It's a great time and bring the KIDS!!

Have a nice July, 73's -- Rick NU7Z

AMATEUR RADIO COURSES

This year marks our third in presenting Novice and Tech/General licensing classes in the south end. These classes, held at Highline Community College in Des Moines, are Thursday's, 7-9PM.

The Novice classes run from the end of September to November, while the Tech/Gen classes run from January to the end of March. Our first Novice class will be September 22nd.

If you know someone interested in obtaining their Novice have them call the Adult Continuation Education Dept. at Highline for registration information or myself for questions regarding class structure. We can also use club members to come sit in and meet these wide eyed new comers to our hobby.
Mike - wa7uvj

PICNIC

This year, the Mike and Key Picnic will be held at Van Dorens Landing in Kent. This is the same site as last year. Situated on the Green River just south of the Kent Boeing Plant, it is reserved in our name for August 27th, the last Saturday of that month.

The park is large. It has two parking lots, a jungle gym/sandlot for the kids, and horseshoe pits. There is space to lay out a softball diamond and a volleyball court if enough of you feel energetic. (Bring your baseball glove.) If none of that appeals you, fish along the bank of the Green River or ride along the peaceful bike trails and enjoy the serenity.

The club will provide the hamburgers, hotdogs, and pop. There will be a signup sheet for potluck items at the July/August club meetings. I will need a count of attendees so the necessary quantities of supplies can be picked up. Beer and wine are permitted. However, please do not imbibe to excess, as your good behavior is my responsibility.

This year the picnic will begin about 12 noon and last until we get tired. If the weather is half as good as last year, we've got it made. Don't forget to bring the kids. (Grandkids if you got them.) Got any good picnic ideas, give me a holler. I listen real good.

Mike, WA7UUVJ

FIELD DAY - 1988

Well it's all over except for the paper work, as they say, and we should have rough figures by the July meeting. For myself and the FD committee I wish to thank you one and all for the excellent turnout and cooperation in getting facilities in order. (I feel next year we should be underway at 1100 even if a station is not yet ready.) We hope to have a short Q & A sheet for comments, suggestions, etc. at the meeting. Do not wait until then if you have comments concerning the whole operation, get them down on paper and have them ready for the FD committee, or mail them if you prefer. Please keep comments concerning the FD operations and accomadations seperate unless you feel one can't be seperated from the other. I will be out of town on the 16th so pass the info to K7YR or WA7EBH.

TNX & 73,

MIKE AND KEY
K7LED REPEATER 146.82

I have noticed that the operating habits of the 146.82 repeater users have started to get rather sloppy the past few months. With the Seattle Repeater down for some time and the changes that have been made to its operation, we on "82" have gotten a lot more people using our machine this summer than before.

Some of the ground rules are again listed for your information:

1. No tones, we don't need a bunch of beeping and garbage as it makes monitoring unpleasant and causes operators to turn off their radios, then when you want someone they are gone.

2. LEAVE A SPACE FOR BREAKS, LISTEN FOR THE BEEP, SOMEONE MAY HAVE A NEED.

3. On the other hand be reasonable when you break, don't just break to jam into a conversation, consider the other person, listen and be patient, from what I hear, one or two minutes won't make a big deal on most of the conversations on the repeater. Don't be known as a "Lid"

4. MAKE YOUR CONTACT AND MOVE TO A SIMPLEX FREQUENCY! Most base stations can communicate between themselves on simplex. Leave the repeater for calling and for those stations who cannot communicate between themselves on simplex.

5. NO BUSINESS Dealings on the repeater, Its a sure way to lose your amateur licence, with my help!

6. NO KERCHUNKING! give your call... The FCC likes it that way.

The basic reason for a repeater is to allow contacts to be made at a greater range than on simplex. As our repeater is on a well known frequency its a great place to make contacts with people visiting our area and provide assistance as necessary for everyone.

The repeater is not the answer to your antenna problems. Install a proper antenna, get it tuned up, check your rig for frequency and deviation and audio gain and you will be surprised at the quality of signals that will be heard.

KEN RAU K7YR
Radio officer

V.E.C.F. FORMED

Recently, the Volunteer Emergency Communications Foundation (VECOF) was formed to support the needs of people involved in providing emergency communications on an organized basis. The Foundation is a non-profit corporation formed under the laws of the State of Washington, and is in the process of applying for tax-exempt status with the Internal Revenue Service.

The goals of the VECOF include providing education and training, equipment, vehicles, and such other support as may be deemed appropriate to the needs of those volunteers who provide emergency communications support to the community.

According to Chairman Paul Gilmore, the Foundation hopes to distribute training materials, a newsletter, rosters, and other items deemed

helpful to emergency communications volunteers.

In addition to holding the position of Chairman of the Board, Mr. Gilmore also serves as the VECOF Treasurer. Other officers of the Foundation include: Duane Vincent, President and Chief Executive Officer; David Luft, Vice President; and Michael Mitchell, Secretary. Other members of the Board of Directors are: Bill Pierce, Jim Horn, and Gene Underwood.

Contributions to VECOF, including equipment are welcomed, and may be sent to Paul Gilmore, 1402 S.W. 152nd St., Seattle, WA., 98166.

Additional information may be obtained by contacting Paul Gilmore anytime at 244 3001 or Duane Vincent at 784 4151.

de Duane Vincent

DUE PROCESS, AND RFI

No person shall be deprived "of life, liberty, or property without due process of law." One need not be a legal scholar to appreciate the beauty of these words from the Fifth and Fourteenth Amendments to the Constitution of the United States. This simple yet powerful doctrine is embodied in countless governmental actions, and is as sound today as when its denial by a distant monarch inspired the American Revolution.

Few of us think of our Constitutional protections as we go about our daily lives. But recent FCC actions, which on their face appear to be flagrant violations of the fundamental principle of due process, remind us that we can take nothing for granted. In observing the Bicentennial of the Constitution we are not marking a historic event; we are celebrating a living document that makes possible our way of life.

The authors of the Communications Act of 1934, which created the FCC, had due process firmly in mind when they defined the responsibilities and the powers of the new agency. Subsequent amendments of the Communications Act, and the adoption of the Administrative Procedure Act of 1946, have maintained that spirit. The FCC Rules themselves are consistent with the Fifth and Fourteenth Amendments, as they must be if they are to be enforceable. But in a number of recent RFI cases, we believe the FCC has stepped over the line—not only of Constitutionality, but of the declared will of Congress and of its own rules as well. And we've taken the first step toward putting the Commission back on track.

Section 316 of the Communications Act of 1934, as amended, says that the Commission shall modify a license, either for a limited time or for its duration, only after "...the holder of the license...shall have been notified in writing of the proposed action and the grounds and reasons therefor, and shall be given reasonable opportunity, of at least

thirty days, to protest such proposed order of modification." The notice period may be shorter if the safety of life or property is involved. It goes on to say, "In any case where a hearing is conducted pursuant to the provisions of this section, both the burden of proceeding with the introduction of evidence and the burden of proof shall be on the commission." Section 303(f) says the licensee may insist on a hearing.

In enacting Public Law 97-259 in 1982, Congress gave the FCC authority to regulate the interference susceptibility of home electronic equipment in part because, in the words of the joint House-Senate Conference Report, "efforts [by manufacturers] to voluntarily address the root problem by incorporating such RFI suppression techniques in the design and assembly-line stage have been less than adequate." Congress did not require that the FCC use its new authority, but clearly understood where the burden should lie in resolving RFI problems; quoting again from the Conference Report, "In the market for home devices...good faith industry attempts to solve this interference problem have not always been as successful [as in the commercial market]. Thus, in view of complaints regarding home devices, the Conferees believe that Commission authority to impose appropriate regulations on home electronic equipment and systems will not be subject to malfunctions due to RFI."

The Congressional Conferees suggested some alternatives to the Commission: directions to manufacturers to meet minimal standards, or a requirement of a warning label on equipment not possessing adequate shielding and filtering. While some segments of the industry have made some voluntary moves along these lines, an inspection of retail displays of home electronic equipment today, more than five years after the enactment of Public Law 97-259, will show that the results have been spotty at best.

So, the law is clear. Radio licensees are entitled to operate to the full extent permitted by their licenses. Before a license can be modified, due process must be observed and the burden of proof is on the Commission to show why such action should be taken. Congress believes that interference resulting from inadequate RFI suppression in home electronic equipment should be resolved by the manufacturers of that equipment, and has armed the FCC with authority to regulate such equipment if in its technical judgement the problem warrants such action.

And what has been the Commission's response? In some cases which recently have come to our attention, FCC engineers have imposed restrictions on amateur station operations even after tests have shown it is not at fault! In some cases, even telephone interference--something that could not possibly be the fault of the transmitter--has been cited as a basis for such restrictions! No hearing has been offered to the amateur; not even the semblance of due process has been observed. The only recourse offered to the amateur has been that he "make a reasonable effort to assist all complainants" or that he submit "further information and test results" before the FCC engineer will even reconsider the matter. Well, we're all for cooperating with one's neighbors in helping them resolve RFI problems; but the fact of the matter is, if cooperation was in the cards the matter would never have come to the attention of the Commission in the first place. That usually happens when the neighbor has made up his mind--possibly reinforced by an FCC office having sent him a letter appropriate only for neighbors of illegal CBers--that the way to make a problem go away is for the ham to stop operating. The Commission owes its licensees at least the common courtesy of pointing out to complainants that that simply isn't the case, any more than the way to fix a leaky roof is to pray for a drought. ARRL Counsel Christopher Imlay has written to the FCC General Counsel, requesting an

explanation of the statutory and regulatory basis for the Commission's actions in these cases in view of the fact that its personnel appear to have exceeded their legitimate authority. What further action the League takes will depend upon what sort of answer is received.

If the story simply ended here, it would be bad enough. But there's another, even more disturbing chapter. Section 97.131 of the present FCC Rules describes what the FCC can do in the event of interference from an amateur station to adequately designed broadcast receivers, and to stations operating in other services. In the case of broadcast interference (including television broadcast), limited "quiet hours" may be imposed prohibiting operation on those frequencies where interference is cause. Without notice or fanfare, in the Part 97 Rewrite proposal (PR Docket No. 88-139) those provisions are to be deleted and the following is offered as a substitute: "The FCC may restrict operations as necessary to prevent harmful interference."

The author of the substitute sentence never read, or has forgotten, the Fifth and Fourteenth Amendments. David Sumner, K1ZZ
(Reprinted from QST, July, 1988.

"MIKE & KEYER" - - - -

The "Mike & Keyer" has been assembled and used at Field Day 88 at Ft. Flagler. Mike, KA7CSE, used his extensively, and he had nothing but good to say about it. I will again have the kits available for those of you who indicated that you wanted one. There will also be additional kits available for anyone else that is interested. Mike, WA7UVJ, will supply the EPROM at no charge to Club members. KA7CSE enclosed his keyer in a very attractive enclosure that is available at a local electronic store. See you at the club meeting. 73 WA7EKH

Well the summer Seafair parade time is upon us again. I was recently asked to give a quick rundown on what we actually do at a parade.

Your duties at a parade consist of observing, communicating and helping to keep things running smoothly. For those not familiar with a parade structure there are basically four sections that make up a parade. First is the assembly area where everything is put into its proper place. Next is the route where it goes down the street. Next is dispersal where the units disband and go home. The fourth area is the speciality areas, ie. tow vehicles, review stand, TV, etc..

Each element is an important part of the overall success of the parade. If assembly doesn't do their part, that screws up the announcers, if dispersal goofs up, that affects the whole route, if the route people don't do their job the public doesn't get to see a parade. If the special groups don't do their job then other sections have problems. So you see every position has a very important job, and just because you may end up in one spot rather than another doesn't

mean that you are any less important.

I also try and place a person in the same location that they were in the year before, unless otherwise requested, since they have a greater knowledge of the particular problems and requirements than a new person would.

Some people say that they never do anything, well if everything goes according to plan, which rarely happens, there is not much to do. But when all heck breaks loose its nice to know that there are people out there who can take control and correct the problem.

Some people say they are afraid of coming and helping out because they may goof something up--HOGWASH--. Come to the district parades and learn what goes on prior to the big one "TORCHLIGHT". If you are new at the game, I may put you with someone for a learning session. Don't be afraid to come out and enjoy the parade season, bring the family and have some fun. If you don't have a portable radio, come anyway, we have spares. 220 only? we need you too.

SO COME ON OUT. WA7EBH

Here is a list of the 1988 SEAFAIR PARADES:

Sat. July 16	8 am	Redmond	146.58
Sun. July 17	8 am 12 pm	Kent	146.58
Sat. July 30	4 pm	DesMonies	146.58
Sun. July 31	5 pm	Chinatown	146.58
Mon. Aug. 1	5 pm	U. Dist.	146.58
Wed. Aug. 3	5 pm	Greenwood	146.58
Fri. Aug. 5	5 pm	TORCHLIGHT	
		146.36-96 Rptr.	
Sat. Aug. 6	5 pm	Lakecity	146.58

So come out and help your community, and ham radio while having a great time.

Thanks for your help
 Chuck Stroehner WA7EBH
 392-5303 home

ARRL LETTER

FCC FINES RADIO SELLERS

According to an FCC news release, the FCC has levied fines of \$2000 each against eight radio communications retailers in the Puget Sound (Washington) area for the sale of illegal CB equipment. Seven of the stores were fined for selling RF power amplifiers, known as "CB linear" amplifiers, and the eighth store for selling non-FCC type accepted radio transmitting equipment.

A.R.E.S. JUNE REPORT

At 1012 in the morning on Thursday June 23 the Office of Emergency Management asked King County ARES to help with communications in the search for the lost Forest Service worker in the mountains out of Darrington. The King County Mountain Rescue Council had been called into the search. Whenever a member unit of the King County Search and Rescue Association is called into the field and cannot supply its own communication back to Seattle area headquarters, ARES is called in to provide that help. Due to the nature of the terrain, VHF was useless so an hf antenna had to be strung up at the search base camp and communications were established on 75 meters to several base support stations in the Seattle area. The subject was found during the afternoon and the search wound down late in the day. KA7TCE was acting emergency coordinator. Base support stations were KA7TCE, W7UQF, and N7JTQ. In the field at the search base were N1DMM and WA7UJR. N7DIP coordinated the callout and was a standby base support.

The second callout of the week came on Saturday June 25 in the early evening. A hiker had fallen in the Scenic area and was reported to have a ruptured spleen. That report lent some urgency to getting the man out and to a hospital in a hurry. KA7TCE and N7GDW left home from Duvall for the base rescue camp carrying hf gear. W7UQF and N7DIP were set up as base support stations. ESAR and MRC were involved in the emergency effort to save the hiker's life. N7CLF and W7IQV were put on standby status for possible morning duty if the rescue was not accomplished that evening. N7EAV was dispatched to accompany rescue units from the Union 76 station in Woodinville, but the units had hams aboard so he was not needed. 2 meter contact was lost with the ARES unit somewhere east of Gold Bar and he was not heard from again until a 75 meter contact was made from the rescue base camp. The subject was air lifted out of the woods and flown to Harborview Hospital by MAST

helicopter at about dark. Had the man been taken out by litter, ARES would have been asked to provide a linkup with Harborview Hospital to the rescuers to provide the necessary medical information. As it turned out the man sustained a back injury, but with the preliminary information that was available, medical attention was imperative at the earliest possible time. Messages were passed back to the Seattle MRC and ESAR coordinator. At 2318 the search base hf station was shut down and the mission was over when Dave and Linda got home at 0047. End of a successful mission!

At this writing (June 27) there are 2 active searches in progress in the mountains in our area. So far King County ARES has not been involved. Look for further developments next month. 73.

de Paul N7DIP

FIELD DAY 1988

Ken Rau K7YR

After the job is done I can sit back and reflect on the past weekend.

As I remember, this was our 13th. Mike and Key field day at Fort Flagler. I have seen all types of weather and all types of communication conditions from the best of the sun spot cycle to the worst.

We, as a club have gone from a social type field day to a "gung Ho" field day where there was no socialization, just "CQ CQ CQ FIELD DAY ", Back to an outing that has just about something for everybody. Over the years we as a club, have done very well, always finishing in the top two or three in our operating class.

I can remember the times many years ago that the towers were some 70 feet tall with 40 meter beams on them, stacked 5 element 10 meter beams, phased verticals and the like. Its not that we are lazy any more, but that it still takes the same effort for us "Old Timers" to put up the shorter towers and set up the stations as before. The only thing is we now get less bang for the effort!

I can remember the time it was very difficult to man the CW stations and keep the transmitters all on the air at the same time, it looks like the times have changed and we have a difficult time keeping all the Phone

stations going at the same time now.

I would hope that the field day operation would be a time that some of the new Hams would like to learn another phase of the hobby, such as putting up a tower, designing a new Antenna and trying it out, planning the logistics to support a station, manning the station, learning how to "get through" under less than ideal conditions. An opportunity for a Ham to operate, under control, a station in a higher class than his licence.

I want to thank all the people who came to field day and again made it the successful outing that we have known for many years. I hope that for a few, they will step forward and grasp the opportunity to become a band chairperson, volunteer for field day chairperson, or take on some of the other chores which are required to make our field day a success. Only from doing, do we learn as a person and share the benefits with our club.

With, but one exception, the conditions specified for camping went very well and we gave the park ranger no excuse to criticize us this year. We the Mike and Key Amateur Radio club will be welcome next year at Fort Flagler.

Special thanks to Jack KB7ZS who worked so hard to coordinate all aspects of the outing, and the new faces who took on some of the load this year!

FROM THE EDITOR.....

There seems to be some confusion as to when the deadline for submitting articles to the RELAY is each month. Usually it is the Board meeting which is the first Tuesday of each month. There will be exceptions on occasion, such as August of this year. Because there is an extra Tuesday between the Board meeting and the General meeting, the deadline will be the 2nd Tuesday, August 9. Due to many requests, I will publish the deadline in the RELAY each month.

If at all possible, I will try to get the copy to Vern on Thursday evening so that he has plenty of time to get it printed. Vern does this when he can grab a few minutes






and I feel that we should give him as much time as possible. I dislike taking such advantage of his time. Also, I could use extra days to prepare these for the mail.

Thanks to all of you for your articles. Can you believe that all I have to do each month is cut and paste with only a few exceptions. All I ask is that you send the articles, but what an added treat to have them printed. It sure does make this end of it easy.

Chuck and I will miss the next meeting due to the Redmond Parade, so if there are any concerns or comments, please give them to a Board member, or send them to me in the mail. Keep those articles coming!!!!!! 73's N7JRW

AUGUST 1988



S	M	T	W	T	F	S
	1 U-DISTRICT SEAFAIR PARADE (5PM) TO HELP CALL W7EBH	2 BOARD MEETING 1930 QTH OF:	3 GREENWOOD DISTRICT PARADE (5PM) TO HELP CALL W7EBH	4 THE BIG ONE IS NEXT----- 	5  SEAFAIR TORCHLITE PARADE (5PM) CALL W7EBH TO HELP	6
7	8 M & K UHF NET 1930 HRS/224.12	9	10	11	12	13
14	15 M&K UHF NET 1930 HRS /224.12	16	17	18	19  BRING NEWSPAPERS	20  CLUB MEETING STARTS AT 1000 - COFFEE READY AT 0930-BRING A FRIEND AND NEWSPAPERS
21	22 M & K UHF NET 1930 HRS/224.12	23	24	25	26	27
28	29 M&K UHF NET 1930 HRS/224.12	30	31  PEPSI-SEAFAIR 10K RUN (7PM) TO HELP CALL W7EBH 764-7702			