



# K7LED Relay

Volume 25, Number 4

Page 1 of 7

April, 1997

## The Prez Sez Presidential Ramblings Chuck, N7STR



It's 5:45 am the morning after the Mike and Key meeting. My God, they elected me President. It just set in. You know, the panic of responsibility, an ugly word the morning after, especially at 5:45. What now? What's expected of me. Do I have an agenda? What's an agenda? Not a clue. Now I have to write those articles that Carolyn would dread every month. She would go up into the ham/computer shack and not come out for hours, trying to write something that made sense, first to her and then she would try it out on me. Little did she know that I had no idea what she was trying to say, but I smiled and told her it was a great article, go ahead and e-mail it. Tee Hee, just kidding. They were always great, thought provoking and they came from within, that place in Carolyn, that not only cared about the hobby of Ham radio, but the people of Ham radio.

It's not even April 1, (Hey what's the significance of starting office on April Fool's Day?) and I'm already walking in her shoes trying to write an article, with the same fears and trepidation's that she must have felt in the beginning of her presidency.

Speaking of walking in someone else's shoes, I had to do that at the recent Flea Market. Jack KB7ZS was unable to be at the Flea Market this year and do his normal job. If I told you what that Job is, I would have to shoot you. So I will only say, that having the responsibility of doing that job, and assisting Chuck WA7EBH, our esteemed Chairman, gave me a completely different perspective on what goes on behind the scene. I have only one thing to say, Please Jack, don't miss next year! I'll be good, I promise.

Well during my reign, I mean term in office, I want everyone to have a good time. I feel a good joke is worth a thousand frowns, and a belly laugh is worth a million good jokes.

I also want everyone to relax. This is a hobby, albeit, a multifaceted hobby, that has its serious side as well, but primarily a hobby. Hobbies are for relaxing, and enjoying during our off hours from the tedious jobs we have that produce the income to enjoy our family first, and our hobby next. At least that's the order I was told I better put them in.

The Mike and Key is a multifaceted club. We have many areas of Ham interests that we fill. First we suck new hams in with the repeater, yes it's just a ploy to make you think we're a repeater club. Then we tempt you with build-it projects. We lure you to field day, with actual DX, expensive equipment, big antennas, satellite equipment that works, and a strange little man that sits there and actually knows what all those dits and dahs really mean. Next we seduce you with parades and community service events and finally the crème de la crème, we entice you with upgrading. Now that I write this, isn't this how drug dealers work? Maybe a hobby that feels this good should be illegal.

By the way, I do have an agenda, and as soon as Carolyn tells me what it is, I'll let you know. JUST KIDDING.

**Mailing Address**  
PO Box 2121  
Kirkland, WA 98083

**Internet Address**  
mikeandkey@aol.com

**RELAY Editor**  
Jack Grimmett (N7IHS)  
18128 SE May Valley Rd.  
Renton, WA 98059

**Telephone**  
(206) 271-7955

**Fax-**  
(206) 271-2075

**e-mail**  
grimmett@halcyon.com

I have always had the attitude that if I joined a club I would participate, not sit back and watch the others do the work. A year ago, I didn't want to be President, and had little desire for the office. One of the reasons I accepted the nomination was that in the last year I have seen major changes in participation by the membership in committees, functions and attitude. I feel we know each other, respect each other and enjoy each other more than any of my past experience with the club.

I have no hidden agenda except to take the best club in the Puget Sound region to new heights. I would like to see this club offer upgrading services, such as classes teaching code, classes teaching General, Advanced and Extra Theory for those who are interested. We have some excellent teachers in our club, and thousands of years of experience. OK, hundreds of years of experience. Lets get active.

I'm for quality, not quantity, and I want to see this club grow accordingly. If you hear someone say they want to support the repeater, tell them to come to our flea market. If they want to participate in club activities, get their name, call sign, address and phone number, I'll call them personally. As Jennifer James says, "Success is the quality of the journey, not the destination."

Not bad for a first article, eh Carolyn, what do you think? Carolyn, don't just throw it at me, really tell me what you think.

---

## Morse Code in Music

Michael, N7WA



Written by Brian Pasternak, KA3VSP, this informational article off the Net shows that brass pounders really do like Heavy Metal. Thanks to Danny, K7SS and Ward, N0AX for passing it on. And remember to Rock 'n Roll.

While listening to your favorite music, don't be suprised if you hear those strange and annoying

**Annual Awards Banquet April 26th**

sounds of that terrible Morse code!

Case in point. On Joe Walsh's solo album "Songs for a Dying Planet" is a song titled "Vote For Me". The song is preceded with Morse code which pounds out "REGISTER AND VOTE FOR ME AR". The same message appears on Joe's first album "Barnstorm" in a song titled "Mother". Joe holds an Advanced class Amateur license.

Another album worth noting is Roger Waters' album "Radio Kaos". This album is filled with Morse messages. Most of the code is underlying the haunting music and very difficult to copy. The album's cover is littered with Morse code characters which spell out the album's song titles!

The rock band RUSH has a song title "YYZ" on their album "Moving Pictures". This song starts out with heavy percussion belting out "YYZ" followed by bass and guitar blaring out the same. Well, the characters YYZ are the beacon identifier for the Toronto International Airport. The inspiration for the song came from Alex Lifeson, the guitarist for the band, who holds a private pilots license.

Carter Bennett, KI5SR, adds that there is badly formed Morse code on Kate Bush's album "Hounds of Love". Carter informs me that the song "Watching You Without Me" contains the code "SOS". It was also reported that this track has some RTTY going in and out of tune. KI5SR continues with information regarding the album "Saving the Wildlife" by Mannheim Steamroller. He states that there is a track on the album which sounds too much like "CQ" in Morse.

Charlie, N2JQA, says that there is Morse Code on Ronnie Montrose's album (Elektra 1982 EI-60034) "GAMMA 3". The song "Stranger" contains Morse Code which spells "STRANGER".

Wayne, WA6MPG, states that in 1967, the band "PEARLS BEFORE SWINE" recorded a song with an adult-rated CW message in it. The song was titled "MISS MORSE". The song is said to have vulgarities in it spelled out with Morse Code. The album was titled "ONE NATION UNDERGROUND".

Randall, KE0YG, provided the following info about Morse Code in the computer game called "RED STORM RISING" by Microprose. Randall says that in the opening credits there is music which contains Morse Code which spells out "THE RUSSIANS ARE COMING" at about 18 WPM. Randall says that he can confirm this on the C-64 version and he believes that the IBM version plays the CW message in the theme song.

Craig, VK3CRA, reports a TV show called "INSPECTOR MORSE". Craig has never seen the show but, from info gathered, states that the inspector's name is never given in the show. It is alleged, however, to be contained in Morse Code which is played as part of the show's introductory music.

Howie, N2WX and Mark, KM6XU, claims that "Radioactivity" by Kraftwerk has lots of good Morse code in it. Mark also states that the band Missing Persons has a song with some code in it but Mark didn't supply any info on the song.

A message from John, NI6D, says that there is pseudo Morse code in the song "Radio Silence" on Thomas Dolby's album titled "The Golden Age of Wireless".

Dave, N0DET, adds that there is code in the song "Planet Claire" by the B-52's. In the intro to "Planet Claire", a kind of Spy vs. Spy mood is created by the music, and plainly audible CW. The Morse code says, "NAKS DE CFH I I ZKR F13395 5156 AS 662 ....", then fades to music. Dave believes that 'NAKS' and 'CFH' are commercial station call signs. More information pertaining to the code comes in from Ron, VE3RYN. Ron says that "NAKS" should be "NAWS" which stands for 'North Atlantic Weather Station' and "CFH" is a CDN military ship/shore station located near Halifax, Nova Scotia.

Michael, W9OJ, claims that the words "love you" are spelled out in morse code at the end of the "Iron Butterfly Theme" Iron Butterfly. This song is on their first album "Heavy" and is also on the double album titled "Rare Flight".

Ian, VK2IAQ, writes in with information stating that the UK rock band 'Barclay James Harvest' has two songs which contain morse code. Ian states that the song "Nova Lepidoptera", a sci-fi song from the 1977 album "XII", starts off with "UFO" repeated in slow morse code. Also, the title track of the album "Ring of Changes" starts with the title sent twice in morse code. John Lees, the lead guitarist, is a licensed amateur operator in the UK.

Bill, WA6ITF, reports some really good Morse code on the CD "SEEK YOU" by Andrew, G3WZZ, and Lissa Huddleson.

Duane, KA9HKL, states that there is 20+ wpm CW in "I Can Move A Mountain" by The Blues Magoos. The message says "I can move a mountain", it is sent twice in somewhat sloppy code. The song was originally released on the Mercury album "Basic Blues Magoos" #61167 in May of 1968. It can also be found on "Kaleidescope Compendium" CD Mercury 314 512 313-2. A very 60's psychedelic collection of songs. This band is probably best known for "(We Ain't Got) Nothin' Yet".

Danny, K7SS, informs that he did a tune on an album called the SEATTLE SYNDROME in 1981. It was a compilation of local bands, just prior to the grunge explosion in Seattle. The song was "21.252" and was done back when 21.25 was the band edge of 15 meters. It features some great JA pileups mixed with instrumental sax etc. The group's name was "K7SS".

One of the more interesting examples of Morse Code in Music, adds Chris AA9HD, is the song "Pencil Rain" by They Might Be Giants. In the middle of this song, there is a bit of code that spells "Ay, Ay, Ay, Ay, canta y no llores". Translated to English, it means "Ay, Ay, Ay, Ay, sing and don't cry". The name of this song is "Cielito Lindo", which means "Pretty Little Sky."

**General Meeting Minutes, 3/17/97***Darla, KC7SIT*

**Officers Present:** President - Carolyn (WV7Q), Vice President - Frank (K7VMG), Treasurer - Chuck (WA7EBH), Activities - Mike (N7MF), Radio Officer - Harry (W7JWJ), Trustee #1 - Sam (N7RHE), Trustee #2 - Mary (W7QGP), Trustee #3 - Al (KB7THX), Trustee #4 - Jeremy (W7YG), Trustee #5 - Chuck (N7STR), RELAY Editor - Jack (N7IHS).

After the Pledge of Allegiance to the flag, Carolyn (WV7Q) reminded everyone that the coffee fund is self-supporting, and that the Salvation Army requests us to take breaks on the west side of the building and not in front of their chapel. She also reminded us to sign the roster, including the visitors. She requested visitors not to vote. Minutes of the last meeting were approved as printed in the RELAY. The Mike & Key ARC is an ARRL affiliated club. Carolyn asked us all to be responsible amateurs and to join the ARRL as they are our voice with the government. This meeting is run from the President's agenda, but if you have any requests that didn't make it to the agenda, please put it into the In-Put Box to be read during the meeting.

**Officer Reports:**

**President:** Today is election day and Carolyn's last day as. She said it had been an honor and a privilege to serve in this position for the past two years. And thanked us for trusting her with the awesome responsibility. The Mike & Key ARC is headed in some new and powerful directions. She challenged anyone running for office today to keep the momentum going. The future of ham radio and the M&K ARC depend on it.

After today's meeting will be the first Elmer session for the QRP 40-meter transceiver project. The board has been redesigned and there is no longer two separate units, but a transceiver. So the \$30 you paid for the first unit will pay for the entire thing. There are some kits still available. See the treasurer if you are interested. There will be Elmer sessions after, April's and May's meetings in order to get it built in time for Field Day and to participate in the QRP contest there. The Puget Sound Amateur Radio Information pamphlet was introduced right on schedule at the Flea Market. This year, for the first time, the Mike & Key ARC handled the entire project. Carolyn extended her personal thanks to Jeremy (W7YG) and Chuck (N7STR), the Public Service Committee and all the members who helped make this fine publication a reality. It's really beautiful. Next the Mike & Key ARC Awards Banquet will be April 26th. Your Trustees are chairing it this year. Get a reservation form and sign up today.

Recently several members have asked about help with the code. We do have several members coming in who would like help upgrading and the code seems to be the most difficult thing to find help or classes with. Sometimes the tapes and computer just don't do it. We have several members working on

ways to take care of that now. In the mean time, she did locate a code practice net on 2 meters simplex at 147.54. It's on Monday, Tuesday, and Thursday, evenings at 7:30 PM. It's broadcast from Snoquamish in North Kitsap County. The host is AB7LH and all are welcome. Try this until we get something going and we are working on it.

**Vice President:** Frank (K7VMG) reported there were no new member applications today. We do want more new members. To that end, he put membership applications on the table for any one interested. He felt that a few people would be interested in joining the club after seeing the Flea Market. There was that type of interest at the announcement booth during the Flea Market. If you know of anyone who might be interested, take a application. Present this morning are 66 members and 3 visitors. We have a quorum. Carolyn reminded all who might have come in late that we have a lot to vote on today, so please see Frank and sign in.

**Secretary:** Melissa (KB7TFF) was delayed, but had sent word that she didn't have anything to report.

**Treasurer:** Chuck (WA7EBH) reported we were solvent. Carolyn said she would call on him for the Flea Market report later.

**Activities:** Mike (N7MF) reminded us that the program for today was the elections. Next month the program will be ARES (Amateur Radio Emergency Services) presented by Gene Underwood. He will tell us what they do and bring his badging equipment in case any one is interested in joining. He announced he had raffle tickets for today.

**Radio Officer:** Harry (W7JWJ) told us that a former president of the M&K Club, Clay Greenwald (K7CR) has just been nominated as the Professional Broadcaster of the Year by the Society of Broadcast Engineers, Chapter 16. If you take the Seattle Times, you may have seen this article about actress Hedy Lamar. She was active in Europe during WW2 with a group of clandestine amateurs. She had her amateur license. They were using piano rolls to shift frequency on their transmitters so Hitler's army could not find them. When she came to the United States, she proposed it be used here, but it wasn't accepted at that time. She also proposed the same thing for use with torpedoes. So Hedy is known as the "Father of Spread Spectrum". Spread Spectrum is coming soon. He proposed this club start setting aside a contingency fund to purchase a new repeater. The M & K back-up repeater is 40 years old. We will soon need a new repeater. We can't say now what kind, but be prepared to spend about \$3,000.00.

Jack Kelleher, President of Quarter Century Wireless Association, and Ron Stafferman, President of ARRL, met in February to try to formulate a common goal for QCWA and ARRL. Harry then passed forms out to those who wanted to make comments on that goal.

**Chairman of the Board:** Al (KB7THX) had nothing to report.

**Annual Awards Banquet April 26th**

**Committee Reports:**

**Flea Market:** Chuck (WB7EBH) thanked all the club members who participated and did such a good job. There were some problems that came up during the event, but the members rallied together and took care of them. The chairmen did a super job. Attendance at the front gate was about 2,114 (best estimate); 160 youth tickets; 278 tables sold, 22 booths; total people just under 3,000. Another successful year. Critique meeting will be April 3rd. If you cannot attend, please send Chuck your written comments and suggestions. Our next regular meeting will be on September 4th, unless something comes up during the summer. There will have to be some decisions made during the summer, admission costs will depend on the fair grounds costs to us. Flyers need to be printed for distribution during the summer. We moving for next year. It is a year-round event.

**Awards Banquet:** Vic (N7YPB) printed reservation forms and brought some to the meeting. All reservations must be in by April 21. Chuck (N7STR) distributed sign-up sheets. It will be a lot of fun, and we've tried to keep the price range where a lot of people like to have it. Carolyn (WV7Q) called for an update from each of the committees for the sake of the election.

**Technical Committee:** Sam (N7RHE) reported that there is a meeting before the general meeting on April 19.

**Facilities Committee:** Al (WB7THX) reported that we have the equipment for HF, VHF, and UHF club stations. We still need antennas and need it all installed in our cabinet. We need the time to build shelves and get it installed. We lost our chairman a few weeks ago, but we will get a new one today.

**Education & Training Committee:** Mary (W7QGP). Nothing new from the Showalter Middle School. She showed how they used to make printed circuit boards. Now you can buy the boards. Frank (K7VMG) announced that the committee meets at 7:00 PM the first Tuesday of each month at the Southcenter Denny's. He has continued with the Elmer class at 9:30 each meeting morning. This class is for anyone, but especially for new hams, who wants a simple explanation of some of the things they may not understand about ham radio. He does not subscribe to the theory that memorizing the answers to the test questions are all you need to know. A lot of hams have questions that may be discussed in the class. The class is informal and may not go over your head.

One member of our committee that is able to get things going on his own is Bill Balzarini, (KL7BB) who has been directing all our build-it projects. Bill gave credit to Carolyn (WV7Q) who does a lot of work getting the projects underway. Carolyn and Bill showed the Harry Lewis (W7JWJ) proto-type of the QRP transceiver, that Harry is going to use in the Field Day Home Brew contest. You can also enter if you join in on the latest build-it project. It is hoped to get an antenna for it so you can be portable at Field Day.

Pat (W0OPW) called The Alternative School in Bellevue last week to see if they would be interested in having a ham class taught there. The principal was quite enthusiastic. He was unable to find the correct Denny's to first present the idea to the Education & Training Committee and did this on his own. If it comes into being, it will cost the club money as there are requirements for tools, i.e., soldering irons, components. He will need people to help with this project. Ray Leslie (WA7EKH) offered to help and will get together after the meeting.

**Field Day Committee:** Field Day Chairman, Chuck (N7STR) reported that Field Day will happen and added he will have more information next month. Carolyn (WV7Q) announced that Field Day Chairman is usually chosen at the March meeting, but this year there is a volunteer. Field Day will be June 28 & 29.

**Announcements:**

Ray Leslie announced the opening of orders for the 1997 ARRL Handbook. Individually they would cost \$43.00 sent to your house. If at least 10 people order them they will cost \$25.35. Shipping will be paid on those pre-ordered. See Ray to order and pay today.

Jack (N7IHS) had extra Relays on the head table.

**In-Put Box:**

A letter from Eveready Batteries responding to a question (from a club member?) about the disposal of dry cell batteries was read. All sizes of Energizer, alkaline batteries are classified as non-hazardous, solid waste by Federal government and can be disposed of following local regulations. Nickel-cadmium batteries are hazardous and must be disposed of in a cautious way through a RCRB. Call 1-800-8battery to find out where one is located. Interjected from the audience: All Radio Shack stores will accept used batteries.

From the Flea Market we received a letter from Jack Davis (W7IMW) from the Radio Club of Tacoma who found a club member with a Kenwood antenna tuner, model AT230. He missed connections at the Flea Market and now would like to buy it.

Anonymous wants to see children at the banquet. In this month's issue of the RELAY children are welcome with the purchase of a ticket, but must conduct themselves as adults.)

With the new vanity calls coming out, it might be useful to include the old call or full names when referring to someone.

Jeremy (W7YG) said that we have a lot of new hams' booklets to give away. Please take some and give out after the meeting.

**General Discussion:**

April 13 is the MS walk at Magnuson Park in Seattle, Dick (N7YOB) is the contact for that event at 631-6168.

Frank (KA7QHG) thanked all the pallet workers and the volunteers who helped him during the Flea Market.

Harry (W7JWJ) announced that Kip Marcelli

**Annual Awards Banquet April 26th**

(K7JA), National Sales Manager for YEASU, reminded Harry to look at magazine article about Mt. Rainier erupting. Yeasu is interested in some public service in western Washington. If we wish to make a proposal for that, Yeasu will assist.

A proposed set of changes to our by-laws were published in this month's RELAY. Everyone should have reviewed them by now. We are ready to vote on these changes. The procedure is to accept or reject as a package. The Board has approved and recommended the adoption. This was moved and seconded. Proposed package was accepted unanimously.

The Board thanked the committee for a good job with special thanks to Ray (WA7EKH). Board meeting is always at 7:30 PM on the last Wednesday of each month. The next board meeting, the transition meeting, will be on March 26.

During this morning's elections, the Education Committee has prepared an entertainment and the raffle will also be held while ballots are being counted. Gib (W7JIE) and Bill (KL7BB) will provide the entertainment.

#### Elections:

The Trustees will collect and tally the ballots. They will be aided by Carolyn (WV7Q) when one of them is being considered for a position. Each ballot must be handed directly to a trustee. Do not pass your ballot forward for convenience. Nominations were accepted from the floor for each position. Three chances to nominated were given for each position. Those nominated must be present and agree to serve before they could be voted on. The Mike & Key newly elected officers as follows:

*President:* Chuck Benefiel, N7STR  
*Vice-President:* Sam Sullivan, N7RHE  
*Secretary:* Melissa Donimiski, KB7TFF  
*Treasurer:* Chuck Strocher, WA7EBH  
*Activities Chairman:* Larry Smith, AB7FJ  
*Trustee #1:* Al Hopwood, KB7THX  
*Trustee #3:* Pete Hedberg, K7WTG  
*Trustee #5:* Adrian Roth, KB7BVL

The meeting adjourned at 12:42 PM.

### Awards Banquet

*Chuck, N7STR*

As of the March meeting we have 25 people signed up and things are moving right along. The banquet committee, which is made up of your trustees and Vic and Barbara Carter, are busily out buying prizes, and preparing the entertainment, well you just won't believe your eyes when you see it. The entire Board of Directors in tutu's doing the dance of the *Sugar Plum Fairies*. My, Oh, My. Yeah right. It's hard enough to get them to wear them to the Board Meetings. Oh well, we have the finest entertainment our budget will allow for this years banquet, and a lot of

fun. Please remember to get your reservations in quickly. The deadline is either the April 19th Club Meeting, or April 22nd by Mail. See the Reservation form in the Relay. The doors will open at 6:30 PM on the evening or the Banquet for socializing. Dinner at 7 PM.

It's going to be a good time, and it's always a lot more fun with lots of participation. Don't forget to put together some gag awards. Mfm grpghm, mrffm bffnwn pttwy. Very funny Carolyn.

### 40 meter Project Update

*Bill, KL7BB*

The 40 meter radio project is scheduled for final assembly after the next Mike & Key Club meeting. All of the parts are in the process of final kit assembly thanks to WV7Q and crew. Everyone will be able to pick up their parts and get help putting the RX-TX together. Bring your soldering iron, wire cutters, and all of the other items that you have acquired to make the case. Also remember to bring your PC Board and book.

For those of you that would like to join in on the 40 meter fun and field day WAFF contest fun, there are more kits still available at the next meeting for \$30.00. Power supplies for 110 VAC to 12 volts DC at 300 ma will also be available at the meeting. The cost for the power supplies is \$3.00. Elmers are needed to help with assembly and soldering. If you can help out after the meeting please call KL7BB at 206 927-1054.

The Worked All Fort Flagler CW contest will have a lot of people on the novice band trying to work other hams that are on the grounds of Fort Flagler. With so many mini-locations available and this mini contest open to all hams with home-brew equipment, it should provide plenty opportunities for fun contacts for those hams while they are not operating on the Main K7LED field day stations (contact with K7LED does not count). W7JWJ has even suggested a trial run of contacts with these rigs from home stations just to see how well they perform. Who knows how good the "DX" will be. You might even work all the way over to Bremerton.

### Help Wanted

*Chuck, WA7EBH*

I need help for Huskie's Crew races on Seattle's Opening Day of boating season in the Mountlake Cut by the University of Washington. The Hams due the coordination and timing for the crew races. Time is from 8:30 AM until approximately 12:30 PM. You get the opportunity to see the races close up as you ride in boats and work the starting line and finish lines. If you are interested please give me a call at (206) 392-5303.

**Annual Awards Banquet April 26th**

## Field Day

Chuck, N7STR

We now have most of the positions filled for Field Day. Jack (N7IHS) has stepped forward to be Wagon Master of the Wagon Wheel, and I think I've got a potluck BBQ Chef. I'm still looking for a Non Ham Activities person, a Publicity person, and now I need someone to step forward and run the rabbit hunt. We hear people always saying they want a rabbit hunt, well here's your chance.

I would like to have a quick meeting of all the Band Chairs, events people and anyone else interested in helping to plan field day after the next club meeting. Please stick around if you can. As of now these consist of the following:

### CW:

- 15 meters - Mike, N7WA
- 20 meters - Chuck, KE4XH
- 40 meters - Mike, N7WA
- 75 meters - Chuck, KE4XH

### Phone:

- 2 meters - Paul, N7DOH
- 6 meters - Little John, WA7HQG
- 10 meters - Melissa, KB7SDC
- 15 meters - Carolyn, WV7Q
- 20 meters - Ken, K7YR
- 40 meters - Dean, N7NKO
- 75 meters - Mary, W7QGP

### Satellite/Packet:

Mike, WB7AYU

### Special Events:

- Jack, N7IHS
- Mike, N7MF
- Al, KB7THX
- Jeremy, WA7YG

## New Projects

Bill, KL7BB

Right now it is your opportunity to get your New Project off the ground and into the mainstream of ham radio and to the members of the Mike & Key ARC. So what will your new project be? Will it have something to do with Slow Scan Color TV? Or will your interests lead us to explore exotic "DX" locations on the air live, via the internet? Your project could be a continuation of the 40 meter project. There is plenty of things to build that can make lots of enhancements to this QRP radio.

Your project could be a simple antenna tuner, or a 5 watt power amplifier (the 5 watt power transistor is already included in each kit), or maybe your digital skills will be put to good use to build a computer interface for a CW keyer. Your project can be teaching amateur radio classes. Both Code and Theory are needed for beginners and to those wishing to upgrade.

Don't be shy, get your project into gear and just do it. Our club is now more than 50% Tech class li-

censes. These hams need guidance into all of the HAM Radio niches that can expand our hobby. Use your experience and enthusiasm to put your project into the lives of the new hams and help them grow. Offer your guidance and become a ham radio mentor/Elmer. There are thousands of things to do and they can only get done if our seasoned hams step forward and make things happen for our new licensees. (You are seasoned if you have already done it).

Your efforts will be rewarded with a fresh look at the Ham Radio hobby through the eyes of the new and excited beginners. And Yes, it is the same old NEW Mike & Key ARC.

*Each newly elected officer has been asked to submit a brief article which introduces themselves to the general membership. This is the first of a series of these articles. - ed.*

## Always Thinking of Great!!!!!!

Adrian, KB7BVL



Hi, there Mike and Key Members, I would like to introduce myself as your new Trustee #5, and Long Range Planning Liaison!!!!

My name is Adrian Roth and I am KB7BVL. I am a part time employee and full time student at Bellevue Community College, majoring in Marketing Management. I have had my Tech Plus License since 1988. Shortly after I received my license, I became active in community service. Since I am a skier, my first activity was the Special Olympics at Crystal Mountain. That's where I met my husband, Paul, N7DOH. I guess you could say Ham Radio had a large influence on my life. We still enjoy skiing and ham radio together.

I have been a member of the Mike and Key club for 1 year, and since then I have enjoyed getting involved with the different committees, and activities the club offers its members. I look forward to getting my hand into my position as Trustee #5, and I want to thank the club and the membership for giving me the opportunity to be more involved in the club. Again, thanks for all your support.

## Notice

The telephone and address for the editor have changed. The following is the new information also appears in the Mike & Key ARC information box on the first page of every Relay issue.

Jack Grimmert  
18128 SE May Valley Rd.  
Renton, WA 98059

Telephone: (206) 271-7955

Fax: (206) 271-2075

e-mail: grimmert@halcyon.com

**Annual Awards Banquet April 26th**

**Buy, Sell, Trade, or Wanted**



*This column is available members and relatives or friends of member (no dealers please) who have electrical/electronic equipment (including computers and software) related to Amateur radio for sale or trade. Ads will be run for two months unless the editor is notified otherwise.*

**Estate Sale**

- Yaesu FT-101E SSB Radio
- AM-FM Tuners
- Misc. parts-speakers, resistors, tubes
- Computer power supply
- ICOM mtg bracket, UT-16 Voice Card
- Transistor Tester
- Triplet VOM 625NA
- CB radio with weather channels

Contact Charles Stroehrer, WA7EBH at (206) 392-5303

**Wanted**

- Kenwood AT-230 antenna tuner
- Contact Jack Davis, W7IMW at (206) 564-3997 in Tacoma

**For Sale**

- Cushcraft 11-element 2-meter beam, including two 10 foot sections of 1 1/4 inch mast. \$30.00.
- Contact Ned, N7PWR, (206) 878-7434.

**For Sale**

- Tristao 40 foot tower. Self supporting. Two section tubular steel, crank up., fold over (includes winch), and base mount. Concrete foundation not required.
- Rotator CDE Ham II. Includes rotator, controller and cable.
- Hy-Gain Thunderbird Jr. antenna. 10/15/20 meters.

Total price: \$300. Contact Bill Bingham WA7VEH, (206)-746-6024, or wa7veh@juno.com

**The Mike and Key ARC Awards Banquet**

*April 26, 1997, 7:00 PM  
Chandelles Restaurant  
333 15th NE  
Auburn, WA*

<u>Number</u>	<u>Dinner Choice</u>	<u>Cost</u>
___	Prime Rib Dinners @ \$13.00	= \$ _____
___	Coco Vin Chicken @ \$10.00	= \$ _____
___	Baked Halibut Fillet @ \$11.00	= \$ _____
___	Vegetarian @ \$10.00	= \$ _____
	<b>Total</b>	= \$ _____

(Dinner price includes salad, desert, coffee/tea, tax and gratuity)

**Make checks payable to the Mike and Key ARC  
Reservations have to be made on or before April 22nd.**

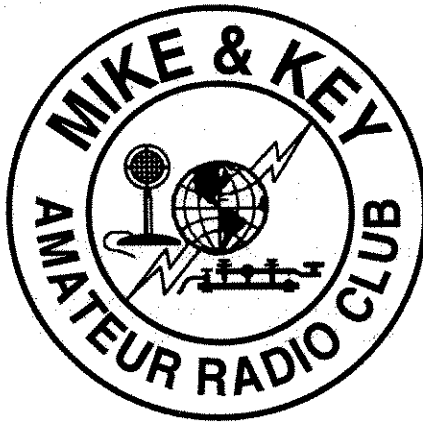
How Many Hams \_\_\_ Non Hams \_\_\_ in your Party.

*Please bring this form and check to the meeting  
on April 19th or Mail To:*

M & K ARC  
c/o Chuck Benefiel N7STR  
P.O. Box 166  
Sumner, WA 98390

**Prizes, Fun, Awards  
Good Times  
No host bar**

**Annual Awards Banquet April 26th**



# 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 SE corner of the Renton Airport. The Club operates repeaters on 146.82 MHz (103.5 CTCSS) and 224.12 MHz under the call sign K7LED. The following nets meet on the 146.82 repeater: the Club net on Wednesdays at 7:30 PM and the Public Service net on Thursdays at 7:00 PM. The Club's mailing address is PO Box 2121, Kirkland, WA 98083. All persons interested in Amateur Radio are invited to participate in the Mike and Key ARC and it's activities. Yearly dues are \$12.00 for individual memberships and \$18.00 for family memberships.

Volume 25, Number 4

April, 1997

## President

Chuck Benefiel - N7STR  
(206) 312-5341  
cbenefiel@sprynet.com

## Vice President

Sam Sullivan, N7RHE  
(206) 631-0663  
sam.sullivan@faa.dot.gov

## Secretary

Melissa Donimirski - KB7TFF  
(206) 226-2856  
mellibot@aol.com

## Treasurer

Charles Stroecher - WA7EBH  
(206) 392-5303  
stroehc@wsdot.wa.gov

## Activities

Larry Smith - AB7FJ  
(206) 848-4998  
ab7fj@juno.com

## Radio Officer

Harry Lewis - W7JWJ  
(206) 523-9117  
w7jwjw7qgp@aol.com

## Trustee No. 1

Al Hopwood - KB7THX  
(206) 747-5192  
kb7thx@aol.com

## Trustee No. 2

Mary Lewis - W7QGP  
(206) 523-9117  
w7jwjw7qgp@aol.com

## Trustee No. 3

Pet Hedberg, K7WTG  
(206) 868-1563  
pethedberg@compuserve.com

## Trustee No. 4 (COB)

Jeremy Donimirski - WA7YG  
(206) 226-2856  
jdonimi@uswnvg.com

## Trustee No. 5

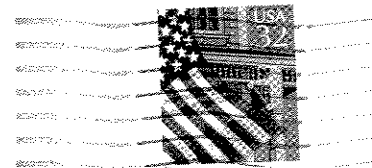
Adrian Roth, KB7BLV  
(206) 312-5341  
cbenefiel@sprynet.com

## Relay Editor

Jack Grimmatt - N7IHS  
(206) 271-7955  
grimmatt@halcyon.com

## Return To

Jack Grimmatt  
18128 SE May Valley Rd.  
Renton, WA 98059



First Class Mail

## Next Club Meeting

Saturday, April 19th at 10:00 AM  
Salvation Army in Renton  
720 Tobin, Renton  
Doors open at 9:30 AM for donuts  
Talk-in on 146.82 RPTR

## Next Board Meeting

April 30th at 7:30 PM  
Salvation 5th Army in Renton  
720 Tobin, Renton

## April Program

ARES Activities  
Gene Underwood

Sam Sullivan N7RHE 7/98  
13626 - SE 232nd  
Kent, WA 98042

✓ Check Mailing Label for Dues Status

