



The Prez Sez

Chuck Benefiel, N7STR

Well this is the last article you have to endure from me. By far, it is the hardest to write, because I have learned to enjoy the one thing I dreaded most when I was elected President. In fact, of all of the Presidents responsibilities, writing a monthly article became one of the easiest tasks. For those of you who have taken the time to tell me how much you enjoyed them, Thank You, because you are the ones that inspired me to write the follow up articles. For those that didn't enjoy them, even though nobody took the time to say so, to you I also say Thank You, because knowing you were out there also inspired me.

Two years as President of the club has taught me a great deal. When I came to the club, all I saw was a bunch of good 'ol boys' who were escaping the HoneyDoo's awaiting them at home. Coffee, donuts, and a rag chew were the reward of the 3rd Saturday of the month. Carolyn had brought me to my first meeting, and there was this young Ham that was president of the club at the time, and he made me laugh. Quite honestly, he was at the top of the list of reasons that made me come back. Eventually I started to participate in the many events that were happening within and outside the club. That, when the change in me started, with regard to Ham Radio, Hams, and this club. I became active on the board of directors, by becoming the Activities Manager, participated in the Long Range Planning, the By Laws, became a Trustee, and then your President. In between all of that I was chairman of so many club functions that I have forgotten some. I worked all kinds of parades, wheel chair games and other events. The point of this is that I got hooked. I was part of something that I wanted to know and understand and it all started for me, because someone made me laugh.

I have made many friends in Ham Radio, friends that in the beginning I'm sure I would never have known. As people, they were probably someone I wouldn't have normally had an opportunity to associate with. That is the beauty of Ham Radio, it draws together people of every intelligence, ethnic, religious, economic, and age level. It includes the physically challenged, and a variety of philosophical groups. It thrusts them into a hobby in which they have to participate together, and forces them to learn from and teach each other. During that process they learn to appreciate each other, and when they learn to appreciate each other, they learn to laugh with each other. Laughter is the glue that holds organizations together, I didn't know that when I came into the club, I learned it from this club.

I met a friend of mine, someone I consider a good friend, someone I trust implicitly, while he was selling Xmas trees on a corner. Alan was not someone I would have ever gotten to know, except that he was interested in Ham radio, and we got to talking about it. I can't even remember if I bought a tree from him, but I spent a good hour talking with him about Ham Radio. Today he and his wife are active in all aspects of Ham Radio. I'm not saying I influenced him to become a Ham, but Ham Radio was the initial

influence of our friendship.

A good friend of mine, I met while working the wheelchair games. While riding the bus back and forth to various events, we would laugh and pull jokes, and despite his foreign accent, (he, from the south), we have gotten to know each other quite well. Larry is someone who's friendship I cherish very much. He too is very active in Ham Radio.

Another special friend, I met at Field Day. Casey didn't like me when we first met, but we found out that we had a lot in common, and we have learned a great deal from each other during our friendship. My most special friend I knew before Ham Radio, and she introduced me to it. Carolyn pushed me to get a license, and she encouraged us to participate in all kinds of events. Ham Radio isn't the glue that holds us together, but it certainly has been one of the major catalysts in our relationship.

There are many others, that initially I misunderstood in the beginning of my membership with the Club. With time I have grown to know and appreciate them. There are far too many to list, but I have served with them, eaten dinner with them, had coffee with them disagreed with them, swore at and been sworn at by them. Sadly I have also buried them. I learned there is a great deal more to the people of Ham Radio, and the Mike and Key, than donuts and coffee. If there is one common denominator for the Hams that I have met over the last 8 years, it is that they are givers not takers. They have hearts of gold, will pitch in a second, and will be there during adversity as well as the good times. They are not stereotypical in physical appearance, but they are within their souls. They are the among the finest friends I have. Some are fun, outgoing, and some are bashful, and quiet. One wonderful thing about all Hams is that they love to laugh. Thank you all for the last two years of friendship, support and laughter, and remember to give your full support to the next leaders of our club.

Mailing Address
PO Box 2121
Kirkland, WA 98083
Internet Address
mikeandkey@aol.com

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

Telephone
(425) 271-7955

Fax
(425) 271-2075

e-mail
grimmert@halcyon.com

Annual Banquet April 3rd, Sign-up by March 26th!!

General Meeting Minutes 2/20/99

Joyce Stroehrer, N7JPW

Officers Present: President - Chuck (N7STR); vice President - Jed (W7JED); Secretary - Joyce (N7JPW); Treasurer - Chuck (WA7EBH); Activity Manager - Larry (AB7FJ); Trustee #2 - Nils (WB7TJK); Trustee #3 - Pete (K7WTG); Trustee #4 - Mike (K7JML).

The meeting was called to order at 10:00 AM with all members and guests repeating the Flag Salute at the Salvation Army Building in Renton. Please announce your name and call clearly for the secretary.

Minutes: It was moved, seconded and passed to approve the minutes of the January meeting as printed in the RELAY.

Introductions of members and guests were done. Members are asked to take breaks on the West Side of the building at the request of Salvation Army. The coffee and donut fund is self-supporting. We are an affiliated club, please be a responsible member and join the ARRL. Please sign the rosters at the table. Visitors are asked to refrain from voting on club matters requiring a vote. The Trustees stood and introduced themselves.

Officers Reports

President: Chuck (N7STR) - Invitations are being sent to hams in the area to attend our meetings. Public Service pamphlet has gone to press. The pamphlet contains much more information than before including E-mail addresses. Life memberships presented to Hal (N7NW), Mary (W7QGP) and Harry (W7JWJ). Kick Butt award presented to Mike (N7WA) for CW at Field Day. Flea Market sign-up lists circulating. Due to lack of a meeting place, no classes will be held for awhile. Audit Committee report by Dave (N7PSN). The books are in order. Committee consisted of five members.

Nominations for Officers: C.O.B. Pete (K7WTG) called for nominations. President: Chuck Stroehrer (WA7EBH); Al Hopwood (KB7THX). Vice President: Jeremy Donimirski (W7YG); Alan Hughes (KB7SVU); Calvin Doss (KC7IYP). Secretary: Vanessa Doss (KC7SFT). Treasurer: Chuck Stroehrer (WA7EBH). Trustees #1, #2, #3: Al Hopwood (KB7THX); Alan Hughes (KB7SVU); Jack Grimmett (N7IHS); Mike Ross (KB7YXB); Jim Hamlin (W7FKI); Larry (N7USB); Steve (N7MUT); Wayne (KC7ORB); Mary (W7QGP); Larry (N7USB). Act. Manager: Tressie Hughes (KC7BAL); Vic Carter (N7YPB). Nominations remain open until elections in March meeting on the 20th.

Vice President: Jed (W7JED) - Membership applications: Ben Schupack (NW7DX), advanced class. Approved for membership. Member's information change forms available.

Secretary: Joyce (N7JPW) read letter of thanks from Salvation Army. There are several upcoming Hamfests and DX competitions. All are available at the head table.

Treasurer: Chuck (WA7EBH) reports books are in good standing. Books available for members to see.

Activity Manager: Larry (AB7FJ) has raffle tickets available. Will raffle at end of meeting. Many raffle items today.

Radio Officer: Harry (W7JWJ) absent.

C.O.B.: Pete DX contest this weekend.

Committee Reports

Those committees not reporting in the RELAY are asked to report now.

Facilities: Jack (N7IHS) - Committee needs 4-5 people to help put up the antennas at the Salvation Army Building. Everything is ready to go. Saturday, January 27, 10 AM will be the date. Need a ladder. Announcement will be put on the net.

Public service: Informational books being published.

Alligator Award: Lloyd has no new recipient

Day: Nils (WB7TJK) last chance to sign up for campsites are March 2. Barracks are full.

Flea Market: This is the program for today. Details after the regular meeting.

DX Club: Nils (WB7TJK)

Picnic: Someone from Auburn needs to reserve the park. Date is August 28.

Banquet: Date is April 3 at HD Hotspurs in Kent. Tickets are \$15.00 each.

New Ham Report: Pat reports New Hams - A.J., Tech, needs help getting started on her new radio. Don Hickman (KC7MDA), Tech, from Kirkland. Good of the Order

Larry has more tickets to sell. Must be present to win.

Larry (USB) FM contest planned for May 1.

ICOM has opening for Technical Customer Service Representative. Job description available from Chuck (N7STR).

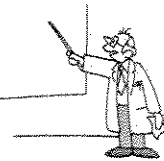
Question regarding front door being locked and the handicap parking is on that end. This will be looked into.

There being no further business, it was moved, seconded and passed to adjourn the meeting.

From the W7JWJ Notebook Operation Upgrade

Learning the Morse code - Part Two

The assignment is from ARRL Headquarters and the task is to visit military bases where Morse code was being taught and to report back code teaching techniques for publication in QST magazine. The recipient of these instructors is one Clinton de Soto and the time is 1942. This investigation would take nearly two years. One day Clinton would be the author of the book titled *200 Meters and Down*.



Much can be learned by study of these ancient

Annual Banquet April 3rd, Sign-up by March 26th!!

QST articles. They demonstrate that there are many successful ways to teach the code and to learn it, but that the military operators had certain things in common that uniquely qualified them to be good operators even though their home two might be in any Podunk Hollow USA. All had passed a strenuous physical and were attested to be in good health. Mental and physical health developed through nutrition proved to be the second most important factor in Morse code learning. Please recall that motivation is the first factor. This encompasses both a positive motivational factor where reward is given and a negative motivational factor where failure is not acceptable.

Military activities ceased by 1946 and the Morse code I now taught was not to military operators, but to future Amateur Radio Operators. It is now 57 years later and over 4,000 students have passed the code necessary licenses. It is remotely possible that I may have learned something about code learning in that time frame. My certificate for copying code at 79 words per minute does indicate so.

During the mid 1950s and '60s I observed as an Instructor, that it was taking progressively longer and longer for students to learn the code to necessary speed requirements. It took less than 30 hours to reach speeds of 15 words per minute (wpm) in the late 1940s. In 1946 one of my students, a physicist at the Hanford project passed the 13 wpm code test with no errors only 8 days after hearing about ham radio. However now in the late 1990s it is taking the average student over 120 practice hours to reach the same speed. Why? Observations, conversations and research ultimately gave the answer that I call the total package. What is it? Answers next month.

Relay Deadline

Submittals for the April Relay are due to the editor by March 5, 1999. Early submittals would be appreciated

Events Calendar

March

- March 17th, Wednesday* - Mike & Key Net, 7:30 PM on 146.82 repeater
March 18th, Thursday - Public Service Net, 7:00 PM on 146.82 repeater
March 20th, Saturday - Mike and Key General Meeting, 10:00 AM at Renton Salvation Army HQ
March 24th, Wednesday - Mike & Key Net, 7:30 PM on 146.82 repeater
March 25th, Thursday - Public Service Net, 7:00 PM on 146.82 repeater
March 31st, Wednesday - Mike & Key Board Meet-

ing, 7:30 PM at Renton Salvation

March 31st, Wednesday - Mike & Key Net, 7:30 PM on 146.82 repeater

April

April 1st, Thursday - Public Service Net, 7:00 PM on 146.82 repeater

April 7th, Wednesday - Mike & Key Net, 7:30 PM on 146.82 repeater

April 8th, Thursday - Public Service Net, 7:00 PM on 146.82 repeater

April 14th, Wednesday - Mike & Key Board Meeting, 7:30 PM at Renton Salvation

April 15th, Wednesday - Mike & Key Net, 7:30 PM on 146.82 repeater

April 17th, Saturday - Mike and Key General Meeting, 10:00 AM at Renton Salvation Army HQ

New Life Members

Three new life members were recognized at the February meeting.

Hal Goodell, N7NW

Mary Lewis, W7QGP

Harry Lewis, W7JWJ

Life memberships are awarded to people who have been members of the Mike & Key ARC for 25 years.

Other Mike & Key ARC life members are:

John Becker, K7PFR

Carl Butler, W7PRW

Jim Carpenter, K7PHZ

Jim Christiansen, K7ND

Jan Hart, WA7HWX

Pete Hedberg, K7WTG

Ray Leslie, WA7EKH

Dick Lundstrom, WA7UEW

Lew Rambo, WA7ELI

Ken Rau, K7YR

John Rehnstrom, WA7HQG

Chuck Stroehner, WA7EBH

Steve Tillet, K7KOT

Silent Key

Ken Jackson, K7PZX

Congratulations You, did It!!!

Chuck Stroehner, WA7EBH

Congratulations are in order to all of the Flea Market workers, both in and out of our Club. I have been receiving nothing but praises on a job well done. Some have said that this is the smoothest operation that they have been involved with. Well folks, you are the ones that made it happen, I just stayed out of your way and let you take care of things. You took pride in ownership of the area that you were working in, and made things happen. Cor-

Annual Banquet April 3rd, Sign-up by March 26th!!

rected errors, made decisions, smiled when folks were upset, and most of all had a good time doing it.

A person from another club wanted to hire our staff to help them out. I said that my group would shoot me if we had to do more than one a year. Just goes to show that this club is well respected in the FM circles.

Even though I can't personally thank each and everyone of you in person, I am doing so by the newsletter. I want to especially thank the committee chairs that spent countless hours putting their area's plan together and making changes when conditions changed in order to go with the flow.

There will be a critique following the March meeting, or possibly during elections to get the ideas down for next year. If you can't make the meeting and have comments, write them down and either send them to me or e-mail them to wa7ebh@juno.com .

Thanks again to all that helped.

From the Editor

Jack Grimmitt, N7HIS

Good news we finally got the antennas installed on the Salvation Army Headquarters building for our Club station. Well not completely, I forgot the base for the HF antenna so at the time I am writing this article it is not installed. Hopefully we will put it up right after the Club meeting.

Five people showed up on Saturday (including myself) to do the work. They were **Alan Hughes** (KB7SVU), **Chuck Benefiel** (N7STR), **Wayne Smith** (KD7AYC), and **Jim Etwiler** (KD7BAT). As you might expect the weather was good on Friday and Sunday but rained on Saturday. In spite of the rain, we were able to install the antenna brackets, run the coax, and install the VHF/UHF antenna. We only had one connector, which was soldered to the VHF/UHF coax. We had no way of testing the VHF/UHF setup since the transceiver had been removed for use at the Flea Market and of course no one brought his handheld. If the antenna system works we may have a talk-in for the March Club meeting on the K7LED repeater (146.82 MHz).

I have to comment about **Jim Etwiler** (KD7BAT). He is not a member of the Mike & Key ARC but we had sat together at the February meeting and I invited him to help us with this installation. He showed up and was of great help, he even took a little good-natured ribbing about his callsign in that we thought that a good nickname for him was "*The Batman*". He plans on submitting his application for membership soon and his help was greatly appreciated.

The Flea Market went very well on Friday and Saturday, which can be attributed to the organiza-

tional and planning skills of **Chuck Stroehrer** (WA7EBH), **Diane Dinkelman** (KB7DNE), and **Mike Dinkelman** (N7WA). But it required a lot of hard work by a large number of the Mike & Key ARC members to pull it off. Our Club members are fantastic!!

Wayne Heath (KC7ORB) showed up with his RV and did the cooking again this year. He added some great deep-fried turkey to the menu along with hotdogs, potato salad, chips, soft drinks and continuous hot coffee. Wayne is becoming a food icon for our outdoor activities. **Nils Hallstrom** (WB7TJK) brought his cat! Our friends **Walt** (KC7PJE) and **Charlene** (KC7RQF) **Davis** from Meacham, OR came over just to help out where they could.

What a Weekend, What an Adventure!

David Jones, KK7GW

Submitted by Mike Dinkelman, N7WA

Many times, we ask, "Where is the future of Amateur Radio?" The future of radio is in the hands of the young lad who wrote the following article. In it, you will find excitement and enthusiasm for the hobby that few adults exhibit for our hobby. Mind you, this is no "Shack on the belt, 2-meter repeater jockey". David is 15 years old, Extra class, contesteer, and CW man. I met him a couple years ago on the Internet contest reflector. He was looking for a "Big" place to play in the CQWW. He was invited to play at W7RM's that year but had to bow out because his parents had others plans. Yet 12 months later, he finally made it for the 1998 edition and his skill level is at mature levels. At home in Kirkland, he is stuck with low dipoles, low power, a TS820, and parents but he doesn't let that deter him (except the parents). I've watched his skills grow to the point where he is about to surpass me. (My only hope is that girls will some draw his attention away.) The following long but well written article describes his trip to Oregon for the ARRL DX CW Contest a couple weeks ago. It got my contesting adrenaline going. David was also on the WWDXC's Field Day CW team we beat last year but he'll make it tougher this coming June. You can also find another article in the March QST written by David - page 57. I asked David if we could reprint the following - I hope you enjoy this as much as I did. THIS IS REAL RADIO! - Mike, N7WA

It all started on January 22, when out of the blue I got an email from Tree, N6TR. I had met Tree only a couple times before, first at the Northwest DX convention last summer, and then again just before the start of CQ WW CW when he stopped by W7RM's. Having talked with him for the day at the DX convention, I liked Tree, and had (still have) enormous respect for him. I had talked with him over e-mail

Annual Banquet April 3rd, Sign-up by March 26th!!

and of course worked him countless times in various contests as well, but imagine my surprise upon reading the message that he wanted me to come down and help do a M/2 at his place with him and Mike K7NT!

My antennas at home do okay domestically, but 2 low dipoles just don't cut it for DX contesting, so I was all for it! However, being just under 16, I can't just say yes and go. So for the next few days I discussed it with my parents, and finally they decided I could go. Coordinating over e-mail with Tree and Mike, we started to get everything rolling.

Finally the big day came. My mom drove me (along with my younger siblings...) to the airport, and I then proceeded to sit in the terminal waiting to board for an hour. Of course, then we had to entertain my 12 year old brother and 7 year old sister at the gate for that hour...that was fun. Finally, my plane started boarding, and I was off on my adventure. Just a quick side note, I hadn't flown in years, and I'd forgotten how much I love it, even if it was just a 30 minute flight each way!

Mike picked me up at the Portland airport, and we killed a couple hours around the general Portland area. Then it was off to the Tree House. Pulling up I could see the 3 towers, and wow, what a sight! There was also Tree's new 5 el 20 sitting on the ground, and it is amazing how BIG antennas appear when they are actually on the ground, or conversely, how small they seem up on the tower.

After the initial pleasantries, we spent some time getting the 5 el 20 onto the tower. With very little tower and beam experience, I just sorta followed directions and tried to keep out of the way. Eventually we got it up at 85 feet, just beneath the 2 element 40. At that time, it was around 2300z, and time to head to the shack.

Tree has a very nice station setup, complete with 2 radio mixing and recording functions. We had to do a little tinkering to make 2 completely separate stations, but it was very easy, just had to move a couple of the rotor control boxes and adjust the switches that led to the two amps. After the big flare impacts we had written off 10 for the first afternoon, and so while Mike got everything on the second station ready, I grabbed a frequency and starting calling CQ DX on 15. I managed to work quite a few people, and had a nice little pileup to Asia in the minutes leading up to the start.

Finally 0000z rolled around, and off we went with me running on 15 to Asia, and Mike running on 20 pointed to between EU and JA. First station in the log was JA2JIL/QRP. I remember this one in particular because I had a few stations calling right at the start, but all zero-beat on each other, and the /QRP sorta just popped out at the end. I basically just ran JA JA JA, while Mike managed to pick up lots of EU mults, including EL and GJ. We ended the first hour with 175 contacts and 35 countries.

The 0100z was more of the same, including a cool

FY mult on 15 that called me. I finally broke off the run on 15 at 0140z, and both stations went to S&P mode for a bit. At 0156z the 20m station worked HC8N, with the note "HC8N says 'zwah'", hihi.

Around 0200z we moved station 1 from 15 to 20 and started running JA there, and moved station 2 from 20 to 40 to S&P EU. Lots and lots of JA's go into the log on 20 during the 0200z hour, while the 40m station worked several mults.

The 0300z hour was even more of the same, lots of UA9/JA on 20 with the occasional deep EU and lots of EU on 40. Then we switched a station to 80 around 0400z and found the EU opening! Put 14 q's and 11 mults into the log on 80 during the 0400z hour, S&P'ing on both stations on 80/40. Most of the time leading to EU sunrise was spent with one station S&P'ing on 80/160, and the other station running EU on 40.

Then came the doldrums. Between 0800z and 1300z we made only 88 q's. JA's on 40 were weak, and we simply could not get a run going. Not only that, but when we called JA's, we were getting beaten out by the east coast! Things were so bad that we went and checked WWV at 1018z, and to our surprise, the numbers weren't very bad - SFI 164, A 32, K 0. No flutter on JA's, but they were just weak! At this point we felt that it wasn't worth being exhausted for the next day, Mike and I took turns sleeping for a couple hours and we only ran 1 station.

Mike worked 20+ JA's on 80 in the 1200z hour, along with a quick bounce to 160 to pick up the JA mult. At 1300z Mike was actually able to get a JA run going on 40, and picked up 30 or so q's in both the 1300 and 1400z hours. At that point, Tree and I had both awakened, and as Mike was rolling on 40 (sort of anyway) I went back to sleep for a couple hours while Tree took the second station. Highlights in this area including working HZ1AB on 20 at 14:43z, followed by having him call us on 40 a half hour later! Mike remarked later that the LP opening to EU that morning was the loudest he's heard it in a while, if ever. A note at 1544z says that HA8FM was 20 over 9 on 40m. At 1600z the stations moved to 20 and 15, where the EU opening was just beginning. After a sweep up the band picking up all the stuff available, the 15m op then started one heck of a run. I think Tree started this one, then Mike took over.

Tree woke me up about 1630z, and I ambled to the radios. Mike had a terrific pileup on 15, so I bounced between 20 and 10 picking up Europeans. The 1600z hour had a total of 136 q's, with 96 of those on 15. The next hour was even better, with 15 rolling along to a 101 hour. The EU opening continued, just absolutely fantastic. When it finally died down around 2000z we were at 1346 contacts and 272 mults (countries).

Then came the JA's. I was back on the 15m station, and the JA's started to roll in around 2130z. Not heavily, but steadily on both 15 and 10. We ended day 1 with 1557 X 291, for around 1.35 million. I

Annual Banquet April 3rd, Sign-up by March 26th!!

hadn't thought we would be cooking like that, I was hoping just for 2 million overall. Day 2 started much like day 1, with lots of Asia on 15 and 20. As it got later, I shifted to 20 and Mike shifted down to 40 to start the EU run. A pleasant surprise at 0324z was having 4K9W call in on 20 for a nice mult.

I worked many UN stations at Tree's, but I still don't have one from home with my call! A mix of JA's and over the pole stuff was worked on 20 as Mike picked up the EU stations on 40. 20 started to die near the end of the 0400z hour just as 40 was beginning to rock.

I had never run 40m EU before, so Mike let me take over the 40m station to experience it. Wow! The feeling you get from digging all those weak, fluttery signals out of the noise is really hard to express in words. I had a great few hours on 40 running all the EU stations. Things started to die out around 0700z, although EL2WW called in for the mult at 0713z.

Something to stop and note. I forget what time it was, I think probably like 0430 or 0500 or so, Tree came across a couple VE6's running EU stations like crazy. I read in VE6JY's write-up that they had prop to EU late late into the night. I personally can't wait until we get that down here, probably if not late this year then next year.

Mike and Tree both went to sleep, and I was left the lone op, I think around 0730z. Things were slow on 40, so I did a bit on 80 and 160 as well, and picked up a few stations. In contrast to the first night, the JA's started to come in nicely at their sunset, but there just was not that many of them. Picked up KL7Y on 160 just after 0900z, would have been embarrassing not to have KL on 160!

The JA's were there steadily, but with no real volume, and things really slowed down in the 1000z hour. We cracked the 2 million mark at 1108z, slowly but surely we picked up the q's. I went to bed around then, and Mike took over the steady stream of JA's on 40. I woke back up with sunrise fast approaching and took a last look at 160. Lo and behold, a nice loud BD4ED! Picked up that mult, but that was about the only thing heard, and the only new station worked.

While Mike struggled to pick up the remaining 40m opening, I went up to 20 and immediately started to run EU again. The 20m run op would not break off the run for over an hour and a half. Just before 1600z Mike took 20 while I went up to 15. 15 was hopping from the start, with 2 mults, OD and JY, going into the log back to back, followed quickly by GJ. I finally found a spot to run, and was rewarded with the GW mult almost immediately.

The 16 and 17z hours were amazing, with rates of 87 and 96 respectively on 15 alone. I had never run EU like that before. The pileup got so deep at one point that all I could get was the number 5. I kept sending 5? 5? And the pile would keep calling. Finally I was able to pick out a couple calls, and work through the pileup, but that was the deepest pileup I

have ever had to run. Mike went up to 10 and picked off some of the EU mults we still needed and managed to really help the score.

Things slowed down after 1900z, and we just sorta bounced around, picking up anyone we hadn't worked. Around 2100 or 2130z, all the spots started to come in for the Carib/SA guys that just popped up. Stuff like CP, YN, HR, all kinds of stuff. This is where our (relatively) weaker signal started to show. It was almost impossible to break through the east coast wall of stations on these guys! Out of the 6 or 7 mults that were spotted, I only managed to get 1, K7DBV/HR3.

As the final bell rang, we knew we had done good. Personally, I was extremely happy about 3+ million. So...let's do the numbers:

Band	Raw	Valid	Points	Countries
	QSOs	QSOs		
160CW	24	24	72	17
80CW	100	100	300	35
40CW	598	577	1698	80
20CW	719	702	2082	81
15CW	1163	1113	3324	97
10CW	295	292	864	68
Totals	2899	808	8340	378

Final Score = 3152520 points. (roughly)

Assorted comments:

I had a ball! Many many many thanks to Tree and his family for putting up with me, and many thanks to Mike for driving me to/from the airport. I think my operating skills are really getting better, all the time with 100W and low dipoles is starting to pay off! Hopefully I can get some sort of tribander up this spring/summer.

Radio Depot Opens Store in Seattle

Radio Depot has opened its new store in Seattle on March 1st. They are located at 5963 Corson Ave. South, suite #176. This is just around the south corner from where the old ARS store use to be and just to the West. They are planing to be open from 10:00 AM to 6:00 PM Mondays through Fridays and 10:00 AM through 5:00PM on Saturdays. Their telephone numbers are 206-763-2936 or 800-291-9067. Radio Depot has really supported the Mike and Key ARC and we in turn should support them.

Board Meeting Minutes, 2/25/99

Joyce Stroehrer, N7JPW

Officers Present: President - Chuck (N7STR); Vice President - Jed (W7JED), Treasurer - Chuck (WA7EBH); Activity Manager - Larry (AB7FJ); Radio Officer - Harry (W7JWJ); Trustee #2 - Nils (WB7TJK); Trustee #3 Pete (K7WTG); Trustee #5 -

Annual Banquet April 3rd, Sign-up by March 26th!!

Adrian (KB7BVL). **Visitors:** Mary (W7QGP)

The meeting as called to order by C.O.B Pete (K7WTG) at 7:30 PM at the Salvation Army, Renton. Minutes of the previous Board Meeting were approved.

Officer Reports

President: Apologized for last Board meetings outburst.

Vice President: New member applications approved for submittal to the membership: Don Hickman (KC7MDA); Frank Michels (KA7ZRM); Ann Jone McGinnies (KD7DVF).

Secretary: No correspondence.

Treasurer: Looking good. Books balanced. Audit completed.

Act Mngr: March is elections.

Radio Officers: ARRL report.

C.O.B.: Al Hopwood declined nominations for office.

Committee Reports

Technical: Work party on February 27th. Radios and antennas will be operational by next meeting.

Public Service: No report.

Education: Discussion on meeting location for classes. Education committee meeting to be held on March 2nd at Lake City Denny's.

Long range planning: No report.

Facilities: No report.

Field Day: Barracks are full but there are 10 camp-sites available. 3 Band chairs have been filled already.

Flea Market: On Track for March 13th.

Relay Editor: No report.

Old Business

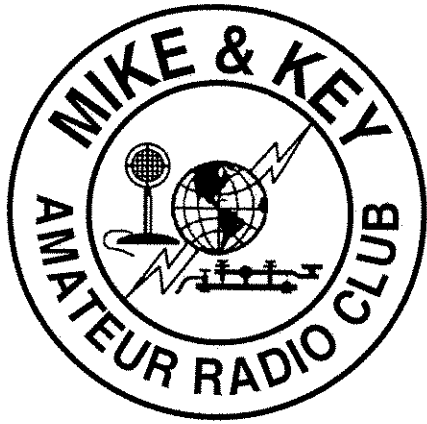
None.

New Business

Motion made and approved for a welcome cake for Radio Depot. Nils will handle.

There being no further business, the meeting is adjourned at 8:15 PM.

Annual Banquet April 3rd, Sign-up by March 26th!!



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 Amateur Radio. We meet the third Saturday of every month at the Salvation Army Renton HQ, 720 Tobin St., Renton, WA. The Club operates repeaters on 146.82 MHz (103.5 CTCSS) and 224.12 MHz under the call sign K7LED. Two 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. 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 27, Number 3

March, 1999

President

Chuck Benefiel - N7STR
253-312-5341
cbenefiel@sprynet.com

Vice President

Jed Clawson - W7JED
425-641-5370
w7jed@bigfoot.com

Secretary

Joyce Stroehrer - N7JPW
425-392-5303
n7jpw@juno.com

Treasurer

Charles Stroehrer - WA7EBH
425-392-5303
wa7ebh@juno.com

Activities

Larry Smith - AB7FJ
253-848-4998
ab7fj@juno.com

Radio Officer

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

Trustee No. 1

Al Hopwood - KB7THX
425-430-2784
kb7thx@hotmail.com

Trustee No. 2

Nils Hallstrom
206-242-8271
wb7tjk@juno.com

Trustee No. 3 (COB)

Pete Hedberg - K7WTG
425-868-1563
pete-hedberg@msn.com

Trustee No. 4

Mike LaFerla - K7JML
425-888-3696
k7jml@hotmail.com

Trustee No. 5

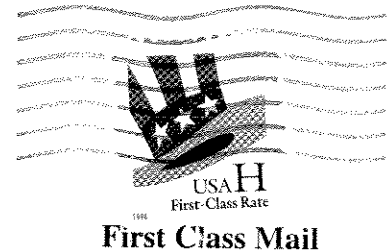
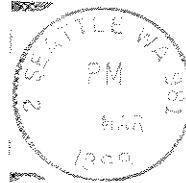
Adrian Roth - KB7BLV
425-255-8075
pservice@sttl.uswest.net

Relay Editor

Jack Grimmert - N7IHS
425-271-7955
grimmert@halcyon.com

Return To

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



Next Club Meeting

Saturday, March 20th 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

Wednesday, March 31st at 7:30 PM
Salvation 5th Army in Renton
720 Tobin, Renton

January Program

To Be Announced

Sam Sullivan N7RHE Jul-00
13626 - SE 232nd
Kent, WA 98042

✓ **Check Mailing Label for Dues Status**

Mike & Key ARC Web Page: <http://www.mikeandkey.com>

98042-3235 23