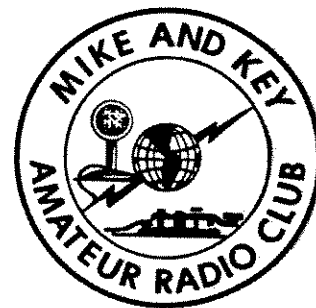
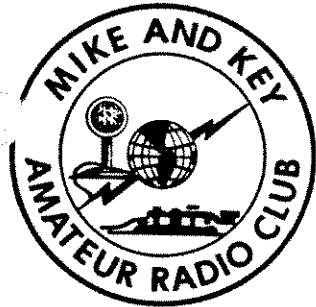


K7LED RELAY



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 Wednesday evening at 1930 hrs on 224.12 and 146.82-22 Mhz. The repeaters are linked. Your Check-in is welcome.

AN ARRL AFFILIATED CLUB LOCATED NEAR SEATTLE, WASHINGTON

VOLUME 17

JANUARY 1989

NUMBER 1

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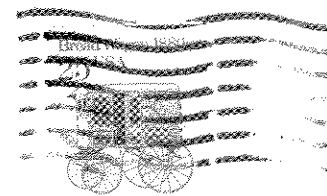
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RELAY DEADLINE 7 FEBRUARY 1989



REPEATER FREQUENCY
52.05 - 53.05
146.22 - 146.82
224.12

BOARD MEETING

FIRST TUESDAY
OF EACH MONTH

First Class

CLUB MEETS:

21 JANUARY 1989

RENTON 10:00

UGN CENTER

HEDBERG, PETE K7WTO
20904 NE 77TH ST
REDMOND
WA 98053

BREAKFAST: #730
AT MITZEL'S IN KENT

COFFEE AND DONUTS WILL BE READY AT 0930

MIKE AND KEY AMATEUR RADIO CLUB MEETING
December 17, 1988

The meeting was called to order at 10:03 a.m. by NU7Z

Pledge

The need for a new meeting place was discussed. Fire regulations restrict the occupancy to 65 in our present building.

WB7TBR introduced the visitors and handed out certificates and badges. Two new applicants, KA7ZYN and W2JTP, were voted on and accepted by the general membership.

Next month will be a technical meeting. Ideas are to be given to K7PHZ on the "Ham Forum" handout given out at the first of the meeting.

The K200LED QSL cards have arrived.

Hats are also here. The price is \$6.93. Pick them up today.

WA7EBH gave the Treasurer's Report.

NU7Z requested all people identify themselves when they use the repeater. It was also requested we be proud of our calls -- enunciate!!

NU7Z thanked all who helped with the special food drive the second weekend of December. Approximately 350 pounds of food was collected as well as about \$75 cash and 100 pounds of toys. During the year we donated over 1,000 pounds of food, 11 turkeys, and a dishwasher. Thank you to all who contributed!

KA7QHG is collecting newspapers. Bring your papers.

KA7CSE reported on the upcoming bowling party on January 28 at 7:30 at Skyway Park Bowl in Renton.

K7PHZ requested all fill out their "Ham Forum" sheets so we can prepare for next month's technical meeting.

W7TWU gave the ATV report.

K6DOW gave the Public Service Report.

KA7CSE stated we have four net controls now. They will have assigned weeks.

If you ordered a Mike and Keyer, please pick it up.

The flea market is coming up in March. Plan ahead.

Election are coming up. Sign up with a Board Member if you are interested.

The Awards Banquet will be held on April 1 at the Ballard Eagles.

The raffle was conducted by KA7CSE.

The meeting was adjourned at 11:00 a.m. by NU7Z

Submitted by N7JPN.

DE THE PREZ.....

HAPPY NEW YEAR!!!! to all!! I trust that each of you had the best of holidays and are ready to go on the projects for 1989. With that in mind, it's time to think of what we must do to make this year a bigger success than 1988. I hope that each and every member of this great organization can find a project to support and bring more into being a member.

I want to thank all of you for your donations of food and toys for last year and we are now on our way again for this years drive. We are planning to change some of the ways to donate so watch for details in the coming months.

In the near future we have nominations for officers and then the elections. Do you know who you are going to vote for? If not, then it's time to get started and give thought about who you want to represent you in the coming year.

Planning for the annual Flea Market is underway and this activity isn't far off. Sign up now and avoid delay. We need all of our members to help to accomplish this BIG task.
73's - Rick NU7Z

MIKE & KEY NET CONTROL OPERATORS

Please add to your calendar:

- 1st Wed - KB7BRH (Jim)
- 2nd Wed - WV7R (Al)
- 3rd Wed - KA7CSE (Mike)
- 4th Wed - N7BNJ (Larry)

On months with 5th Wednesday, I will line up guest operators for that night. My idea here is to involve other club members and/or club officers to run the NET for the 5th Wednesday. Mike KA7CSE

THE STRESS DIET

BREAKFAST

- 1/2 Grapefruit
- 1 piece whole wheat toast
- 8 oz. skim milk

LUNCH

- 4 oz. lean broiled chicken breast
- 1 Cup steamed zucchini
- 1 Oreo cookie
- Herb Tea

MID-AFTERNOON SNACK

- Rest of package of Oreo cookies
- quart of Rocky Road ice cream
- 1 Jar hot fudge

DINNER

- 2 loaves garlic bread
- Large mushroom & pepperoni pizza
- Large pitcher beer
- 3 Milky Ways
- Entire frozen cheesecake, eaten directly from the freezer!!!!!!

A PRAYER FOR OLD HAMS!

LORD: You know better than I know myself, that I am growing older--and will someday be old. Release me from trying to straighten out everybody's affairs. Keep my mind free from the recital of endless details--give me wings to get to the point. Seal my lips on my own aches and pains--they are increasing and my love rehearsing them grows sweeter as the years go by. Teach me the glorious lesson that occasionally it is possible I may be wrong! Make me thoughtfull--but not moody; helpful--but not bossy. With my vast store of wisdom it seems a pity not to use it all--but you know Lord, that I want a few friends at the end.
AMEN.

SEVENTY-THREE??

Got more flack the other day about use of the expression "73". There were a series of articles a few years ago, (before 1972) by W3WRE, Louise Moreau. Portions of those articles appeared in the ARRL "The Radio Amateur's Operating Manual". I'm going to extract some of the stuff from her article regarding "73". Y'all pay attention. Now hear this!!

"73" goes way back to the land-line telegraph days. Also "30" & "88". The first use of "73" is in the publication "The National Telegraph Review and Operators Guide", first published in April 1857. At that time "73" meant: "My Love to You". But in 1859 Western Union set up the standard "92" code. A list of numerals from 1 to 92 was used to indicate a series of prepared phrases for use by the operators on the wires. "73" now meant "Accept my compliments". In 1908, Dodge's "The Telegraph Instructor" had changed the meaning to the present "Best Regards". And so it has remained today as a friendly greeting between operators. But I would point out that it was and still is a TELEGRAPHIC greeting and further the statement is PLURAL. This means, as I said, you don't say 73 on phone and never say "73's" at any time because that comes out as "BEST REGARDESSES"!! Now for "30". In landline Morse "30" meant the end or no more. It was sent as "didididahdit daaah" The long dash was the same as zero, therefore 30. but today "SK" is used to mean the same thing "30" only we run the two landline characters together and get "SK". Neat huh? And in the Western Union 92 code, "88" means "love and kisses". Careful pal how you toss them "88" around--she may have a jealous lover!!
de W7JIE/GIB.

** NEWSPAPERS **

Hey Gang!! - Keep those newspapers coming in.....We took in \$155.45 last year and would like to double it in 1989.....Also if you don't know what to do with your Aluminum cans - Bring them too!

TNX DE Frank KA7QHG

The following submitted to WORLD RADIO by Gib W7JIE with conformation they will print it soon:

EDITOR: I am NOT a writer, reporter, or qualified anything, but here is a story that you might find worthy. I hope!

They did it again! For the fifteenth time, as far as I know, the MIKE and KEY ARC of Seattle pulled off their "Santa Talks" program last night, Dec. 22. Six hams, four from MIKE and KEY, one from ISSAQUAH ARC and one from PUGET SOUND Repeater Group, brightened up the night for kids at the Childrens Orthopedic Hospital in Seattle. Childrens Orthopedic is very well know throughout the country as a leader in child medicine and care.

Formal arrangements for the visit were set up by Tim, K7QMI, the Santa was Gib, W7JIE, (with a helpful elf from 12-year-old Allison, a neighbor girl), and the hospital handhelds run by WE7U, Curt, W7ZLW, Vern, WB7OUT, Tom, and KA7CSE,

Mike. As the handhelds were escorted around the rooms, wards, and play areas, kids of all ages got their chance to talk to Santa Claus by radio, Even Doctors and Nurses got their chance. Parents and grandparents encouraged the little ones to "really talk to Santa". The response was terrific. Santa was in a mobile unit away from the hospital using 146.58 Mhz FM. Eventhough the hospital is large with many floors, coverage was good and sounded like "real" to everyone. All in all, there were more than 30 who talked for several minutes with Santa. Will we do it again? You Betcha, A very wonderful Christmas gift for all.

Hope you can use it. We had a 30-second exposure on Channel 11 with their 10 O'Clock news. About all you can expect but at least "amateur radio" was logged as the giver of pleasure for the kids.

73's Gib W7JIE

(Editor's note: What a delightful project!! Let's more of us get involved next Christmas. Also, how about the other TV News stations? This is more than worthwhile. Congrats to all of you!)

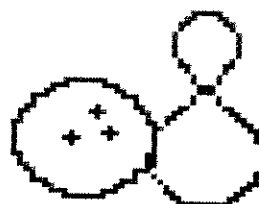
K200LED

Our operation as K200LED during November has come and gone. Eighteen club members operated during the week of November 5, celebrating the bicentennial of the signing of the Constitution. Our week coincided with the anniversary date, November 11, of Washington State's entry into the United States. Our people operated almost continuously from home stations to complete some 1650 plus QSO's. In addition, six members operated from N7NW's QTH as K200LED during ARRL Sweepstakes CW weekend. QSL efforts are presently underway with a special K200LED card.

Kudos and thanks to WA7UVJ, KS7F, WA1ONP, WM7N, K0FWA, K7YR, WA7EKH, KA7QHG, W7VIH, WB7TBR, N7KWF, N7LHG, KA7CSE, N7NW, W7EVS, N7LWY.

Jim K7ND

MIKE&KEY BOWLING PARTY



RADIO CLASSES---CLASSES---CLASSES
CONFIRMED--

TECHNICIAN; GENERAL: DesMoines,
Highline Community College: Jan. 12,
7:00 to 9:00 PM. To register call
8-3701. Info: Mike WA7UVJ 854-4031

NOVICE; TECHNICIAN; GENERAL: North
Seattle Community College: Jan. 10,
Tues & Thurs 7:00 to 9:00 PM: Info:
Harry W7JWJ 523-9117

ADVANCED; EXTRA: North Seattle
Community College: Jan. 14, 21, 28,
8:00 AM to 4:30 PM (8 hours each day)
Review Feb. 4th before Exam. Info:
Harry W7JWJ 523-9117

NOVICE; TECHNICIAN: American Red
Cross Headquarters: Jan. 18, 7:00 to
10:00 PM. To register call 323-2345.
Info: Gene W7AKA 226-4115

NOVICE; TECHNICIAN: Renton Vocation-
al Technical Institute: Jan. 10,
7:00 to 9:00 PM: Mail-in or Personal
registration. Info: 235-2352 or
Pete KC7TD 631-6772

UN-CONFIRMED-

Radio Club of Tacoma: Routinely
offers wide variety of classes. For
info call Angela KC7EQ 584-2228 or
Jerry W7BUN 845-7652

NOVICE; TECHNICIAN: ICOM in Bellevue:
Info call Harry W7JWJ 523-9117

NOVICE; TECHNICIAN: Seattle Yatch
Club: Into call Harry W7JWJ 523-9117

If you know of a class not listed,
PLEASE give me the details.
de Vic WB7TBR 824-2098

CONTESTS GALORE

Hope you all have been enjoying
all the great contests lately. Just
in the past two months there has
been the CQ Worldwides, Sweepstakes,
and the 10/160 meter single band
blowouts.

Why participate? Well, I can
only speak for myself but here are
a few good reasons for joining in.

- * Contesting requires
organization, stamina, and
efficiency; qualities I can
improve on.
- * Wanna increase your code
speed, this is a great way to
get some practice.
- * Contests are also a great way
to get those last few contacts
for your WAS or DXCC.
(Frankly, many countries are
only available during major
contest sessions)
- * It fills the bands and promotes
activity, a major item when the
world is looking at our
frequency allocations with
hungry eyes.
- * Gets you off the repeater for
a while and into real radio.
(also gives you sum'thin
interesting to talk about on
the gossip box)

Now, I will be the first to
admit, I probably won't win any
awards for my efforts. However, I
like to feel contesting is just
another fasinating aspect of
amateur radio. Why don't you give
the next contest a try, I can use
the points. (and you might like it)

- uvj

BOWLING PARTY

Mike, KA7CSE, has arranged
another bowling party for your
enjoyment. This years event will
be held January 28 at the Skyway
Lanes in Renton.

This is a Saturday evening
and we will be bowling in what is
known as a 'Colorama'. For the
uninitiated, this type of bowling
provides for a cash reward when you
make a strike on certain pin

combinations. You can actually pay
for your bowling if you are lucky
enuf'. The lanes fill up in groups
of 5 or 6, so it is better if we
can fill the lanes in completely.

To sign up, please see or call
Mike, KA7CSE at the earliest
possible time. These activities are
quite popular and he can't hold
lanes open, unreserved very long.
This has proved to be a fun event
in previous years, hope to see you
there.

-uvj

1988 GENERAL MEETING ATTENDANCE:

Month	VISITORS	TOTAL
Jan.	9	56
Feb.	19	65
Mar.	10	73
Apr.	8	68
May.	6	56
Jun.	9	70
Jul.	3	44
Aug.	2	47
Sep.	3	60
Oct.	8	66
Nov.	8	60
Dec.	10	62

Average	8	62

1988 BOARD MEETING ATTENDANCE:
(11 Members)

Month	Present
Jan.	17
Feb.	10
Mar.	10
Apr.	14
May.	10
Jun.	13
Jul.	5
Aug.	8
Sep.	12
Oct.	9
Nov.	9
Dec.	9

The Club grew by 31 new members
in 1988.

Total December membership=145.

de WB7TBR

I NEED HELP!!

I HAVE BEEN AGITATING FOR THE CLUB TO GET "TECHNICAL". JIM, K7PHZ, THE CHAIRMAN OF THE BOARD OF TRUSTEES ASKED ME TO RUN A TECHNICAL SESSION AT THE JAN. 1989 MEETING. OF COURSE I WILL!!

BUT I NEED YOUR HELP. I'LL EXPLAIN IN A MOMENT. I'M WORKING ON SEVERAL ITEMS TO FILL AS MUCH OF THE TIME AS POSSIBLE. THINGS LIKE ANTENNA RADIALS, VERTICAL ANTENNAS, HOW LED'S OPERATE, QSO CARDS AND THE BUREAUS, MAYBE EVEN GET INTO SWR READINGS AND WHO KNOWS WHAT ELSE. I INTEND TO DEAL WITH THIS STUFF IN A SIMPLE WAY--NO BIG COMPLICATED TECHNICAL JAZZ. I THINK THAT JUST GETTING THE FUNDAMENTALS WILL BE GOOD ENOUGH FOR A STARTER. MAKE IT SIMPLE AND KEEP IT LOW LEVEL.

NOW I DON'T FOR A MOMENT CONSIDER MYSELF AN EXPERT! I'M JUST ANOTHER

Monthly UE Testing Report

If interested in helping out giving UE Testing, please see Jim, K7ND or Mike, WA7UUVJ.

Date: 12/17/88 Loc: Renton, WA

Element	Pass	Fail	Tot
1A (5wpm)	04	01	05
1B (13wpm)	03	02	05
1C (20wpm)	02	03	05
2 (Novice)	03	01	04
3A (Tech)	05	01	06
3B (Gen)	02	01	03
4A (Advan)	04	03	07
4B (Extra)	03	00	03
Totals	26	12	38

	Pass Percentage
1A (5wpm)	80%
1B (13wpm)	60%
1C (20wpm)	40%
2 (Novice)	75%
3A (Tech)	83%
3B (Gen)	67%
4A (Advan)	57%
4B (Extra)	100%
	<u>68% Total</u>

Total Upgrades: 11
Total Failures: 8
Total Applicants: 19
Percent Upgrade: 58%

If you are an Extra Class Licensee and interested in becoming a UE, see myself or Jim, K7ND for an application form. It's a lot of fun!
Mike - WA7UUVJ

HAM WITH A FEW YEARS EXPERIENCE BUT I'M WILLING TO PUT MY TIME AND CALL ON THE BLOCK IF IT WILL HELP ANYONE ELSE. I ASK YOU TO "CONTRIBUTE" TO THE DISCUSSION!! NONE OF THIS "I KNOW BETTER THAN YOU CAUSE I SAID SO". IT DOES NO GOOD TO ARGUE WITH THE SPEAKER UNLESS YOU ARE WILLING TO TAKE OVER THE SPOT. IF YOU CAN PROVIDE ADDITIONAL INFORMATION, THEN GOOD. BUT IF YOU HAVE AN ARGUMENT WITH THE SUBJECT MATTER, THEN I THINK YOU HAVE JUST EARNED A NEW SPOT IN LIFE--AND I WILL GLADLY STEP DOWN FOR THE "TECHNICAL" SESSION AND LEAVE YOU DO IT.

I THINK THIS IS THE WAY ALL "TECHNICAL" SESSIONS SHOULD BE RUN--LET THE SPEAKER EXPRESS HIS THOUGHTS WITHOUT ARGUMENT OR DIFFERENCE OF OPINION. ITS COMMON COURTESY, POLITE, AND CONSIDERATE. MY THANKS TO ALL WHO...

VE EXAMS AT GOOD NEIGHVOR CENTER

The last year has been one of change for the people giving tests at the Good Neighbor Center. At the start of the year the exam sessions were led by Ivan Lee N7IL, and the associated VEC was the BEARS-VEC. The BEARS-VEC program ended in April after supporting the volunteer exam program from the very beginning. After discussion with the more active VE's giving tests in South Seattle, the decision was made to become accredited with W5YI-VEC. The majority of the VE's participating at Renton still came from the BEARS and the Mike & Key ARC. During the last 9 months of 1988, 157 examinees have upgraded or become newly licensed hams through the efforts of 14 volunteer examiners. My thanks to WM7N, K6PQJ, W7AFU, AI7N, WA7UVJ, NU7Z, N7IL, W7EVS, NF7X, AK7S, WA7TPB, AI7V, and WA7ECU for giving their time. Special thanks to Ivan N7IL for getting me started in this endeavor and all the time he has given to the program. K7ND

AMATEUR EXAMS---EXAMS---EXAMS
Monthly; 1st Saturday: North Seattle
Community College; 10:00AM.
Walk-ins OK. Info: Harry W7JWJ
523-9117

Monthly: 2nd Saturday: Tukwila,
Riverside Inn; 9:30 AM. Walk-ins
OK. Info: Harry W7JWJ 523-9117

Monthly: 2nd Saturday: Everett,
First Presbyterian Church; Walk-ins
OK. Info: Loren KK7M 355-2141

Monthly: 3rd Saturday: Renton,
The Good Neighbor Center; 1:00 PM.
Walk-ins OK. Info: Mike WA7UVJ
854-4031

Monthly; 4th Saturday: Bremerton,
Methodist Church (Marine Drive &
Kitsap Way). Info: Ed Reinke
871-4020

Quarterly: (actual date varies):
Radio Club of Tacoma. Info: Jerry
W7BUN 845-7652

If you know of an Exam not listed
PLEASE give me the details.
de Vic WB7TBR 824-2098

YEAR END VE RESULTS

Many of you ol' timers remember taking your upgrade tests down at Federal Building way back when. (I remember doing it too!!) These days, upgrading isn't any easier but the opportunities are more frequent.

I would like to thank all the volunteers who have helped out the past year by being examiners at Mike & Key VE sessions. However, special thanks go to Jim, K7ND; who does all the paperwork and organizing each month sessions. Without Jim picking up the ball when the BEARS discontinued being a VEC, our monthly sessions would have disappeared.

Now for the nitty gritty....

Number of sessions -	9
Number of Applicants -	172
Total elements given -	278+
Average pass percentage -	60.3%

This coming year will again provide many opportunities for you to upgrade and we hope you will take challenge. For those of you who are Extra Class licensees, being an examineer is a worthwhile endeavor. consider it. -uvj

**"A POLITICIAN
IS AN ANIMAL
THAT CAN SIT
ON A FENCE AND
KEEP BOTH EARS
TO THE GROUND"**

H.L. Mencken

AMATEUR RADIO NEWS RELEASE
de ARRL.....

ARRL RILES EXTENSIVE COMMENTS ON
FCC AMATEUR RULE REWRITE

Newington, Connecticut, November 30, 1988 -- The American Radio Relay League (ARRL) filed comments with the Federal Communications Commission (FCC) yesterday in response to the FCC's proposed reorganization of the Amateur Radio rules (PR Docket No. 88-139). Annexed to the League's comments, prepared by Counsel Christopher D. Imlay, was a complete rewrite of the rules developed by a committee of the ARRL Board of Directors.

The League's rewrite was developed over a seven-month period of intensive study by an ARRL working group consisting of Vice President George Wilson, W4OYI, and Directors Steve Mendelsohn, WA2DHF, Marshall Quiat AGOX, and Rod Stafford, KB6ZV with detailed support from the ARRL headquarters staff. In addition, the committee digested countless comments of individual League members. The final document represents the interests of the broadest majority of amateurs while protecting the needs of minorities with special interests. It was reviewed and approved by the ARRL Board of Directors by mail vote.

The Committee noted that many of the comments filed early by individual radio amateurs expressed opposition to certain provisions of the FCC's proposed wording. A common thread in these comments was that the rules should allow for "due process of law" rather than FCC administrative sanctions taken without judicial hearings. The ARRL rewrite took these comments into account and strengthened "due-process" provisions of the rules.

The ARRL commended the FCC on its work to reorganize, modernize and clarify Part 97 of the Commission's rules. The FCC had succeeded in reducing the length of the present rules from 30,073 words to 24,397. The League's rewrite further reduced the length to 17,045 words

without eliminating necessary substance by further editing, and retained the basic structure of the rules as proposed by the FCC.

To obtain a copy of the League's comments and rewrite of the rules please send a 9 x 12 inch SASE with \$1.25 postage to ARRL HQ, 225 Main Street, Newington, Ct. 06111.

(Editor's note: This is a 26-page rewrite plus a 1-page draft of FCC Public Notice of which I have a copy. I will keep it on file at my residence. N7JPW. By the way, it is verrrrry small print.)

de ARRL NEWSLETTER

ARRL OUTGOING QSL
BUREAU RATE CHANGE

Effective February 1, 1989, QSL cards bound for overseas will be shipped for \$2.00 per pound. Packages of 10 cards or less will continue to be distributed at the rate of \$1.00.

The ARRL Outgoing QSL Bureau has not increased fees charged for this valuable service to ARRL members since its inception in 1976 despite the fact that postage has increased several times.

FCC INCREASES MAXIMUM
AMATEUR EXAM COST

The FCC announced that Effective January 1, 1989, the maximum allowable fee for an amateur operator license exam administered at a VEC-coordinated session during 1989 will be \$4.75. The present maximum allowable charge is \$4.56.

Volunteer Examiners (VEs) and Volunteer Examiner Coordinators (VECs) may charge examinees to recoup out-of-pocket expenses for preparing, processing, and administering exams for Technician class and above (elements other than 1A and 2.) This reimbursement is for any one exam session, regardless of the number of elements administered, and may not exceed the maximum allowable fee.

There is no fee charged for prospective Novice class operator licensees.

NEW YEARS RESOLUTION

It's that time of year. Many of us will resolve to quit smoking, start a diet, or stop chewing our finger nails. Maybe some amateur resolutions are in order.

* Involvement-maybe it's time to start giving back some of what you have recieved. The club could use your help, there are public service activities requiring radio support, or maybe someone would like to call you 'Elmer'.

* Courtesy-when was the last time you asked if the frequency was in use? Could you have helped the 'out-of-towner' on the repeater and welcomed him to the area. Amateurs HAD a reputation for courtesy. (maybe its dead)

* Advancement-have you been the same license class for umpteen years? These days it is easier than ever to upgrade. The written study materials have improved and there are testing sessions every weekend.

* Something New-many of us are in radio ruts. We do the same ol' thing year in and year out. This year you might try a new mode or band. How about a electronics construction project or entering a contest? Maybe you can WORK ALL STATES or complete DXCC in a year. Do someting you have never done before.

Resolutions are usually 'round filed' by Febuauary. Sometimes though, they can break through and change your life forever, for the better. In 1989, challenge yourself!
-uvj

FIELD DAY '89 UPDATE DE KB7ZS

As of the RELAY deadline we have four confirmed reservations for the Field Day Barracks. For those needing space please remember it is on a first come basis, deposit required. Check the December Relay for info. The working party info list will be circulated at the January mtg. Be thinking about te band you want to work (CHAIR?). Any questions contact me.

TACO DIP SALAD

Refired Beans
2 Large Avacados
1/2 Tsp. Lemon Juice
2 C Sour Cream
1 Pkg. Taco Seasoning
2 C Monterey Jack Cheese, shredded
2 C Sharp Cheese, shredded
2 Large Tomatoes
2 Bunches Green Onions, chopped
1 Can Black Olives, chopped
Corn Chips or Tostados

Place refried beans on bottom of GLASS plate or tray 1/4" thick. Put 1/2 avacodo WITH pit down in middle of plate. Mix rest of avacodos until soft and spread all over beans, mixing in lemon juice with avacado. Don't put avacado all the way to the edge.

Mix together sour cream and taco seasoning and spread on top of avacado, sealing over edges of bean dip, especially over avacado. Sprinkle Monterey Jack cheese.

Chop, very small, tomatoes, green onions. Mix together and sprinkle on top.

Sprinkle Sharp Cheddar on top. Top with black olives.

Put blob of sour cream on top of mountain.

Corn chips or tostados around edge of plate. Pati WB7VJA

TECH/GEN CLASSES

Well, the Winter Quarter has arrived and it's time to start the annual Technician/General Classes at Highline Community College.

This years classes begin January 12 and run each Thursday until March, 7-9PM. If you know someone wanting to upgrade from Novice or Tech and they think they need some formal help, have them call the Adult Continuing Education Dept at HCC. (878-3710)

- uvj

FROM KA6CSC TO ALL
COMMANDMENTS

THE TEN ELECTRONIC COMMANDMENTS

I. Beware the lightning that lurketh in the undischarged capacitor lest it causeth thee to bounce upon thy buttocks in a most unprofessional manner.

II. Causeth thou the switch that supplieth large quantities of juice to be opened and thusly tagged that thy days may be long in this earthly vale of tears.

III. Prove to thyself that all circuits that radiateth and upon which thou worketh are grounded and thusly tagged lest they lift thee to radio frequency potential and causeth thee to make like a radiator too.

IV. Tarry thou not amongst those fools that engage in intentional shocks for thy are surely non-belivers and are not long for this world.

V. Take care that thou useth the proper method when thou taketh the measure of a high voltage circuit so that thou dost not incinerate both thee and thy meter; for verily, though thou art expendable and can easily be replaced, the meter is not and as a consequence bringeth much woe upon the department.

VI. Take care thou tampereth not with interlocks and safety devices for this incurreth the wrath of thy supervisor and bringeth the fury of the major department head upon thy head and shoulders.

VII. Work thee not upon energized equipment, for if thou doest so, thy comrades surely will be buying beers for thy widow and consoling her in certain ways not generally acceptable to thee.

VIII. Verily, verily I say unto thee, never service equipment alone for electrical cooking is sometimes a slothful process and thou might sizzle in thine own fat upon a hot circuit for hours upon end before thy maker sees fit to end thy misery and drag thee into his folds.

IX. Trifle thee not with radioactive tubes and substances lest thou commence to glow in the dark like a lightning bug and thy wife be frustrated and have no further use for thee except for thy wages.

X. Commit thou to memory all the words of the prophets which are written down in varied and sundry memorandums, and which giveth out with the straight dope and consoleth thee when thou hast suffered a ream job by thy group leader.

Have a SAFE and HAPPY Holiday

73's de KA6CSC

Chuck

MINI QUAD PARTS

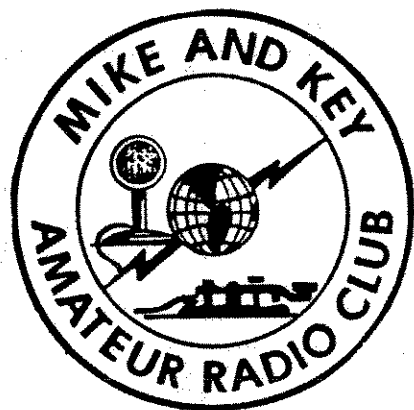
A couple months ago, KA7CSE and myself helped the widow of a local ham by removing the last vestiges of a crumbling antenna system. It was hoped the mini-quad removed could be given to a Novice at the M&K classes, but the thing is in pretty bad shape.

However, I have been told the spiked ends of the antenna have some replacement value to present mini-quad owners. (they break eas If someone needs some spares, please see me, or give a me a call. If not, I'm gonna toss these things before spring. (otherwise I might impale myself) -uvj

ELECTRONICS FLEA MARKET

MARCH 11, 1989

9 AM TO 5 PM



24,000 Sq. Ft.

of display area
in the

PAVILION

at the

8th Annual

PUYALLUP FAIRGROUNDS

Puyallup, Washington (See map on back)

Talk In: 146.82 R --- **K7LED**

ADMISSION: \$3.00 (At door only)-(Under 16 FREE)

FEATURING

Country Store (Consignments - limit 10 items)
Ham Show & Tell * Computers * Club Information
RV/SC Parking FREE * Table Sales * Amateur Radio Equip.

Electronic Parts * VE EXAMS * FREE Parking

Snack Bar * Sellers Breakfast 6:30 to 8:30

HOURLY DOOR PRIZES - MUST BE PRESENT TO WIN











FOR INFORMATION, CALL: 206-549-4062

For VE Exam Info: SASE to M. Dinkelman, 637 2nd Ave. S.
Kent, Wash. 98032

FEBRUARY 1989 VALENTINES DAY



S M T W T F S

			1  NATIONAL FREEDOM DAY M&K NET KOTBRH (JIM)	2	3	4
5	6  CHINESE NEW YEAR LINCOLN'S BIRTHDAY (OBSERVED)	7 BOARD MEETING AT 8TH OF: NUZZ RELAY DEAD- LINE	8  M&K NET NITE CHECK IN YOUR STATION AND HEAR WHAT'S HAPPENING WYTR (AID)	9	10	11
12  LINCOLN'S BIRTHDAY	13 PICK UP NEWSPAPERS NOW	14  VALENTINE'S DAY	15  M&K NET NITE CHECK IN YOUR STATION AND HEAR WHAT'S HAPPENING KATUSE (MIKE)	16 →	17 BRING NEWSPAPERS	18  ATTEND YOUR CLUB MEETING COFFEE AT 0930 BRING A FRIEND
19	20  WASHINGTON'S BIRTHDAY (OBSERVED)	21	22  M&K NET NITE CHECK IN YOUR STATION AND HEAR WHAT'S HAPPENING N7BNJ (LARRY)	23	24	25
26	27 → TO → BRING A FRIEND	28  NEXT MEETING				

HAPPY VALENTINES DAY