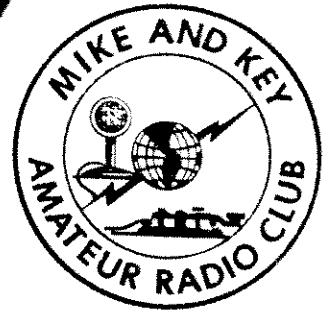


# K7LED RELAY



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 9:30am in "The Good Neighbor Center", 305 S 43rd St. Renton, Wa. All "Hams" invited. The MIKE and KEY net meets each Monday evening at 1930 hrs on 224.12MHz. Your check-in is welcome.

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 AN ARRL AFFILIATED CLUB LOCATED NEAR SEATTLE, WASHINGTON.

VOLUME 15

DECEMBER 1987

NUMBER 12

|   |   |   |   |
|---|---|---|---|
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REPEATER FREQUENCY  
 52.05 - 53.05  
 146.22 - 146.82  
 224.12

First Class

## BOARD MEETING

FIRST TUESDAY  
 OF EACH MONTH

## CLUB MEETS:

19 DECEMBER 1987

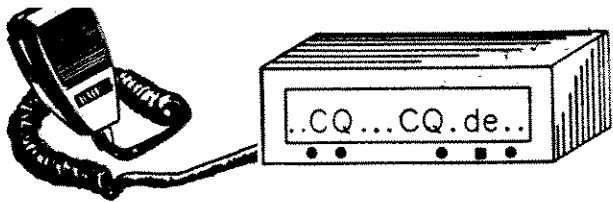
UGN CENTER  
 RENTON 10:00

## BREAKFAST

BOB'S BIG BOY  
 RENTON--8:00AM  
 3RD SATURDAY

RECEIVED  
 20905 NE 77th St  
 REDMOND  
 WA 98053

COFFEE AND DONUTS WILL BE READY AT 9:30



THE PREZ.....

Here it is --- that time of year when we all want to trim the tree and roast the turkey. But little be known to us is the fact that somebody in our community is not going to be able to celebrate with us. -- That's why we are having the food drive for the needy. Please try to remember to bring your donation to the DECEMBER club meeting!!!! ---A heart felt thanks to those who have given already!!!!

The response to the Fort Flagler work party has been great. A letter has been sent to the park ranger, and we hope to have a response soon.

I want to thank the ByLaws Committee for their effort of revisions and clarifications of our Constitution and ByLaws. In the future these changes will make our jobs easier.

Field Day --- It's not too far away!!! Get those reservations in to Jack soon and avoid the June rush.

Elections are coming soon --- Do you know who you are going to vote for??? If not, now is the time to get those nominations in. Turn them in to any of the Board members.

Have you gotten on one of the committees for the flea market? Things are happening and we need your help. Contact Hal N7NW for details.

The Awards Banquet is alive and well! I would like to ask that all who can help, please contact Vic WB7TBR and his wife, Tilly, for information as to what needs to be done. Let's all try to be there and have 118 members on hand.

This time of year is very special and I would like to wish each and everyone of you MERRY CHRISTMAS and a HAPPY NEW YEAR --- from my family to yours --- and may 1988 be the best year ever for the MIKE & KEY AMATEUR RADIO CLUB MEMBERSHIP and FRIENDS. Best of 73's, Rick NU7Z

GENERAL MEETING 11-21-87

Called to order @ 1000 by NU7Z with 67 attendees, 13 visitors

Program: Keyer by Mike WA7UVJ

Don't forget food drive for December meeting and Christmas Party

New Members: Dennis N7CKO, Ted N0YC, Al WA7UJR, Welcome to the M&KARC.

Badges: See Vic WB7TBR, \$5.50 each

Novice class: Four new hams.

Paper Drive: \$220.00 for ladies prizes, about the same for men

WA7EBH: Chuck discussed the King County tower ordinance

WA7UVJ: Mike talked about coming events

K6DOW: Wayne talked about pending public service events, see Wayne or Chuck WA7EBH, if you are interested in participating

Constitution: Proposed ammendments were presented by the committee. The discussed changes will be presented at the Dec meeting for vote.

Field Day: Motion carried to pay for barricks and wagonwheel camping. No payment for lower campground. K7ND

NET CHECK-INS

November 16 = 16  
23 = 18  
30 = 13

N7NW provided Westlink for all.  
TNX ES 73's Mike KA7CSE

\$ .25

Elections are coming again. I don't know whether to say that with dread or anticipation; I hope the latter.

This club has experienced tremendous growth in the last year. We have a lot of new faces, many of which I barely recognize. I would hope that some of you will accept the challenge to run for an office or trustee.

Why bother? Well, I can't answer that for you. I can only give you my feelings about serving in a leadership position.

For me, taking an active part in running this club was a way to waken up my amateur career. After 14 years, I thought I was pretty knowledgeable in the various facets of our hobby. In reality, I had just boxed myself into one little corner, and while the spark was still alive, boredom was setting in.

By taking a role in determining this club's direction, I have expanded my horizons, met lots of new people, and regained that feeling I had about my hobby when I was first licensed.

Sounds corny? So what, it's true. In return for giving up a few evenings, typing a lot of articles, and planning some activities, I feel good about this club and amateur radio. I lost nothing but my apathy and a habit of falling asleep in front of the TV.

Now, it's time to step down. Not only myself, but several others who have spent several years 'on the board'. It's time for new faces. Maybe you know somebody who would make a good nominee? Volunteers (dirty word, right?) make even better leaders; they know what they want. How about you?? Your nomination committee is waiting.

Those are my two bits for this month. Thanks for listening. - Michael

## SWEEPSTAKES

Ever wonder what you could do with a 120 foot tower, 40 meter beam, and state of the art transceiver? Well, because of Hal's (N7NW) generosity in November, I found the answer to that question.

The time, November 7-8; the event, the ARRL Sweepstakes, CW section. This is hardball for stateside contesting, and we jumped in with both feet. The players were N7NW, K6POJ, KA7CSE, K7ND, and myself.

In addition to the beam antenna, we used a sloper dipole, and a 20 meter Yagi with four elements. (When was the last time you used a sloper who's bottom was 70 feet off the ground?) The rig was a TS 930 and we ran it barefoot. (Who needs a kilowatt when you hear QRP stations at 599 levels?)

The results? We worked 580 stations, (not including dupes) in 72 sections. The only state we missed was Idaho. (?!?) Total Points - 80,000+, but that was exceeded by the amount of fun we had.

K7LED was well represented by these gentlemen and I hope they return for another try next year, be it at Hal's, or somewhere else. Maybe you'll want to give a whirl? CQ SS CQ SS.....  
Michael - WA7UVJ

## BOWLING

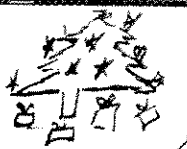
Don't forget to sign up for the Bowling Party; Saturday, January 28, 7:30 PM, at the Skyway Lanes in Renton.

The cost \$8 is per person, due on or before the January Club meeting. The event we are participating in is known as a Colorama. For certain pin combinations, you win money if you throw a strike.

So far, we have 20 people signed up, and I think we better cut it off at 30 participants. First come, first serve.

I'm sure that afterwards we can find a pizza joint to shoot the breeze and compare battle injuries. See ya there.  
Michael - WA7UVJ

Merry  
Christmas



## MIKE & KEY K7LED NAME CHANGE

I wish to thank all of you that voted with me at the last Club Meeting regarding the Changing of the Club name.

I'm sorry I didn't state my case very well. It came to a vote so quickly----

Will state my case now as I plan to bring this up again next year as I'll still be a Trustee next year. I'm the one who brought it up at the Board Meeting.

1. Pop Brown knew that there were other Mike & Key Clubs around over 20 years ago when the club was formed so the OF WASHINGTON was added. You know that I have been a club member for 16 years and I hadn't noticed the OF WASHINGTON until a few years ago.

2. OF WASHINGTON does not appear on our badges or logo. K7LED is on our badges.

3. My Call is Me. For over 25 years more people know me by my call, in the HAM WORLD, that my real name. I have my Call on my checks, and as I have upgraded, my call remains the same. I plan on having K7PHZ on my tombstone.

4. As the Club continues to grow and prosper, I feel K7LED will become known as a friendly active club with a great history.

5. For example, most older hams know who or what "DK" stands for in our area --Tacoma Radio Club W7DK.

6. I hope down through the years, Hams will know and remember us as K7LED MIKE & KEY AMATEUR RADIO CLUB, not just another Mike & Key Club. Thank-you, Jim K7PHZ

## DECEMBER PROGRAM

Work any DX lately? If you're like me, I bet you had to look that Prefix up before you knew who you were working.

Well, we are going to have a little contest at the next club meeting. Dividing the room down the middle, we'll see which side is the best at figuring out those rare and not-so-rare DX calls.

Can't say we'll have any Prizes for the winners, (other than bragging rights) but maybe we'll have a little fun.

Michael - WA7UVJ

## SPECIAL RAFFLE

Well, this is the month we raffle off the donated Panasonic radio. In case you haven't been paying attention, a special donation was made by one of our more generous members.

It is a Panasonic RF4900 10 band receiver. It covers 503kHz to 30MHz, Plus the FM broadcast band. You can listen to AM, FM, SSB, and CW. It can be powered by batteries or AC Mains. It has a digital display. Those are just the basics. Also included is a long wire tuner for receiving antennas.

Tickets are \$2 apiece, 3 for \$5. The Proceeds are going for the mens banquet Prizes in April. You don't have to be present to win. We pick the lucky ticket at this coming club meeting. Hope you win.

Michael - WA7UVJ

## CONTACT LENS ALERT

Two recent incidents have uncovered an important safety hazard. The first was an electrical worker who threw an uncovered electrical switch into a closed position that produced a short spark. The second involved a welder who flipped open his protective face shield to better position a welding rod. The rod contacted the metal and also produced a spark. Nothing was unusual except that both men were wearing contact lenses.

On returning home, they each removed their contact lenses and the cornea of the eye was removed along with the lens! The result was instant blindness in each man's affected eye.

Later investigation showed that in both cases the electric arc generated microwaves that dried up the fluid between the eye tissue and the contact lens. Unfortunately the trauma is painless, and the individual never knows that an injury has occurred until he tries to remove the contact lens.

When these incidents were reported, the phenomenon was unknown to federal safety and health agencies. In the interim, don't wear contacts if you are subject to electrical sparking! Tnx West Coast ARC - Intermod. Westlink Report

## SEAFAIR XMAS CRUISE

The annual Seafair Special People's Christmas Cruise took place on Dec. 5, 1987. Approximately 1500 developmentally disabled people of our community enjoyed the two hour cruise on Lake Union and Lake Washington in spite of the windy, rainy afternoon. At least 35 hams helped. 31 buses and several vans and cars picked up the people at half-a-dozen parking lots, transported them to 15 marinas where approx. 190 boats (ships) departed. Santa Clauses were at each marina to welcome the guests back with candy canes.

Each skipper provided snacks and beverages (non-alcoholic).

I cruised on the NOAA Fisheries Research vessel, the "John N Cobb" which was very interesting. The Cobb and the Virginia V were probably the largest ships participating.

Repeater 146.96 was given 95% on duty cycle for about 5 hours with no problems. Several marine channels were used along with some commercial UHF repeaters.

ICOM of America in Bellevue, Bob Brunkow K7NHE and several ICOM employees deserve a good round of thanks for a job "well done".

I got into this thing at the last minute so am not sure whether we had ATV coverage or not, my apologies. I do know PACKET was being used to get data to the Cruise Director K7NHE from the Northgate Park and Ride.

In summary----again we find the Amateur Operators (too numerous to properly recognize here) providing a much needed public service with little or no fan-fare. de WB7TBR

1988

*Happy New Year!*

## CUB SCOUTS COMMUNICATE

On November 18th Jim, WA7LNQ was contacted by Mr. David Sao requesting assistance in helping the Cub Scout Den (Sunset School, Issaquah) with their Communications Month. After some frantic weekend calling all was arranged for the next Monday, Nov. 23rd. Chuck, W7SRZ delivered the tape "The New World of Amateur Radio" to the bus barn in Belleue and the show was ready. The eight boys, Dave, & Jim LNQ arrived at my QTH around 7 and away we went. The tape was well received and we then adjourned to the shack. A short Q & A session proceeded getting on the air. QSOs were held with 6 land and then the Country Cousin NC picked up the program, stopped the net, and really gave the kids a show. Thanks to all concerned, (UVJ's tape, Chuck and Jim) all went well, and with a little follow up maybe some new hams.

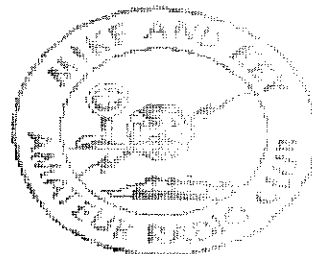
\*73 Jack, KB7ZS

## MIKE & KEY LOGO

Spent a couple days Pounding away at the computer. Came up with a bit mapped version of the Mike & Key Logo.







Of course, it may need to be modified for your Particular Printer. (I have a Star 'Gemini II') Ben Bennet has got a version to work on his Printer, which is another Star model.

It has come in handy for letters and official looking documents Printed straight off of form feed Paper. I'll be happy to give a listing to any one who wants one. Micheal - WA7UVJ



# JANUARY 1988

S M T W T F S

|    |  |  |    |   |   |   |
|----|--|--|----|---|---|---|
| 31 |  |  |    |   | 1<br><br>NEW YEAR'S DAY<br>BE HAPPY<br>THROUGHOUT THE<br>NEW YEAR!!! | 2   |
| 3  | 4<br><br>M & K UHF NET<br>1930 HRS/224.12                                     | 5<br>BOARD MEETING<br>1930 QTH OF:<br><b>N7AMX</b>         | 6  | 7<br><br>W7OMI HAS A<br>"WESTLINK"<br>PHONE LINE<br>CALL 634-8036<br>TO HEAR REPORT | 8   | 9   |
| 10 | 11<br>M & K UHF NET<br>1930 HRS/224.12   | 12   | 13 | 14  | 15<br>BRING<br>NEWSPAPERS   | 16<br>VEC<br>EXAMS<br>@ 1:00 PM<br><br>CLUE MEETING<br>STARTS AT 1000 -<br>COFFEE READY<br>AT 0930-BRING A<br>FRIEND AND<br>NEWSPAPERS |
| 17 | 18<br><br>MARTIN LUTHER<br>KING JR. DAY<br>M & K UHF NET<br>1930 HRS/224.12 | 19<br>CONFEDERATE<br>HEROES' DAY<br>(ROBERT E. LEE<br>DAY) | 20 | 21<br><br>SEND YOUR<br>INPUT FOR THE<br>"RELAY" NOW!!                             | 22  | 23  |
| 24 | 25<br>M & K UHF NET<br>1930 HRS/224.12   | 26   | 27 | 28  | 29  | 30  |

HAPPY NEW YEAR

MIKE AND KEY AMATEUR RADIO CLUB  
CONSTITUTION

ARTICLE I

**NAME:** This Club shall be known as the MIKE AND KEY AMATEUR RADIO CLUB OF WASHINGTON.

ARTICLE II

**PURPOSE:** The purpose of this Club shall be to bring together those who are interested in the hobby of Amateur Radio. For this purpose, we, the members of this club, shall attempt to accomplish the following:

- A. Exchange technical information.
- B. Expand cooperation between members and interested non-members.
- C. Promote general radio and electronic knowledge.
- D. Expand amateur radio operating abilities and Efficiency of individuals.
- E. Promote the hobby to the general public and community.
- F. Direct the club's general activity toward public service amateur radio communications.

ARTICLE III

**Membership:** Membership shall be open to anyone who is interested in the hobby of Amateur Radio. Two types of membership are available: (1) ACTIVE MEMBERSHIP - which provides for full participation in all club activities. (2) ASSOCIATE MEMBER--SHIP - which provides for limited participation for those who cannot attend regular business meetings. Associate members pay one-half the active membership dues, cannot vote in Club business and cannot hold office in the club.

ARTICLE IV

**Officers:** There are six club officers. The elected Officers of this club shall be a President, Vice-president, Secretary, Treasurer and Activities Manager. Elected Officers shall not hold the same office for more than two consecutive terms. The Radio Officer shall be appointed by the elected members of the executive board and shall serve until relieved. The Radio Officer shall hold an EXTRA Class Amateur License.

ARTICLE V

**Trustees:** Three trustees in each odd-numbered year and two trustees in each even-numbered year shall be elected annually by secret ballot at the general membership meeting in March to serve on the Executive Board.

ARTICLE VI

**Executive Board:** The five trustees and the six officers shall serve as the Executive Board. There must be a majority present at any board meeting to conduct official business. All have equal voting rights.

ARTICLE VII

**Vacancies:** Vacancies occurring among the elected officers and trustees of the Club shall be filled by special election and secret ballot at the first regular business meeting at which the vacancy is made known. The newly elected person(s) shall serve only the remainder of the existing term to which elected.

ARTICLE VIII

**Meetings: Section 1.** The Club shall meet regularly in general membership meetings on the third Saturday of each month unless changed by special membership action at least one month in advance of the changed date. Following the changed date, the regular meeting reverts to the third Saturday.

**Section 2.** The regular March general membership meeting will be the annual election of officers and trustees for the year commencing April 1. April 1 shall constitute the start of the fiscal year for the transaction of business.

**Section 3.** Special meetings may be called by the Executive Board when deemed necessary. Such special meetings may not supersede regular meetings.

ARTICLE IX

**Parliamentary Authority:** "Roberts Rules of Order, Revised", shall be the guide for any parliamentary rules not provided for in this Constitution or Club By-Laws.

ARTICLE X

**Amendments:** Any proposed amendment to this Constitution may be submitted in writing at a regular meeting of the Club. Such proposed amendment(s) must be signed by three active members of the organization before being submitted to the membership. A mailed notice to active members must be made following that meeting. After such notice, an amendment may be voted on at the next general meeting and shall become a part of the Constitution if approved by majority of the active members in attendance.

ARTICLE XI

**Disbandment:** In the event this Club is disbanded, dissolved or ceases to function as a Club, (here-in-after known as disbandment), disposal of all equipment and funds remaining in the treasury at the time of disbandment will be at the discretion of the remaining members of the Club.



BY-LAWS

SECTION 1 - MEMBERSHIP

A. **Active Membership:** Membership in this Club shall be by approval of the existing membership. An official Club membership application shall be submitted at a regular business meeting by the applicant. The application shall be reviewed by the Executive Board and a recommendation shall be made to the membership prior to voting. At the next general membership meeting, attended by the applicant, the application shall be voted on. A two-thirds (2/3) majority of the voting membership present is required to approve the applicant.

B. **Associate Membership:** Associate membership is available to those who cannot actively participate in Club activities. Application shall be made to the Executive Board for Associate membership. The Executive Board shall approve or deny membership in this category.

SECTION 2 - CONTINUATION OF MEMBERSHIP

Membership in this Club is maintained by payment of dues. Any member who becomes delinquent in their dues may not participate in Club business.

SECTION 3 - TERMINATION OF MEMBERSHIP

Membership in this Club will be terminated for one of the following reasons:

- A. Non-payment of dues within two months of due date
- B. Written request to terminate membership with non-refundable dues
- C. Unanimous recommendation of the Executive Board for violation of the Amateur's Code as presented by the ARRL.

Members considered for termination have the right of appeal to the Executive Board and/or general membership. Terminated members will be notified in writing.

SECTION 4 - DUES

A. The annual dues shall be determined by the membership payable on or before the anniversary date of the Club member. The anniversary date of membership shall be the last day of the anniversary month. The Mike and Key Amateur Radio Club, by majority vote at any general membership meeting, may levy upon the general membership such dues or assessments as deemed necessary.

B. No cancellation or refund of dues.

C. Any member who has been dropped from membership because of non-payment of dues shall be reinstated when he/she is re-elected to the Club or has paid dues in full from the date at which they became delinquent.

D. If an elected Officer fails to pay his/hers dues, before or during their anniversary month, their position will be declared vacant. They may not regain the office by payment of dues.

The ranking Club Officer will cause an election to be held in accordance with the provisions of ARTICLE VII of the Club Constitution. For this election a member being considered to fill the vacant position must be present during the election. Upon payment of dues, the Official who vacated the office may, again, be considered for election.

**SECTION 5 - DUTIES OF ELECTED OFFICIALS**

**A. General** - It shall be the duty of all elected officials to attend all general membership meetings and executive board meetings. In the event the official's personal life or work requirements prevent attendance at meetings, said elected official shall be requested to vacate his/her position so that the position may be occupied by a more active member who is able to participate in Club duties.

**B. Duties of the Officers**

**President:** The President shall preside at all General Membership meetings at which he/she is present; shall exercise supervision over the affairs and activities of the Club.

**Vice-President:** The Vice-President shall assume the duties of the President during his/her absence. The Vice-President shall obtain a list of all members and guests attending the monthly membership meeting, shall ascertain which of the members present are eligible to participate in Club business and shall maintain the club membership records.

**Secretary:** The Secretary shall keep the minutes of all General Membership meetings and be custodian of all Club legal records.

**Treasurer:** The Treasurer shall receive all Club funds, keep them in a bank or repository selected or approved by the Executive Board. The Treasurer shall pay out funds not to exceed One Hundred Dollars (\$100.00) per month for Club administrative expenses. The Treasurer shall pay out funds for non-budgeted expenses when approved by the membership. The Treasurer shall keep a ledger of all transactions. The Treasurer shall, at such time as the Club may direct or the President require, present for examination all ledgers, papers, vouchers, etc., that may be necessary to properly audit his/her accounts. He/she shall present a status report of club funds at each General Membership meeting. He/she shall present an annual report of the prior year's transactions at the April Executive Board meeting.

**Activities Manager:** The Activities Manager shall be responsible for all club programs, except for designated committees named in Section 8, for the good of the general membership, i.e., dinners, social events, get-togethers, etc.

**Radio Officer:** The Radio Officer shall serve as trustee of the Club Amateur Radio License and all Club owned equipment. The Radio Officer shall maintain a current inventory and location of said equipment at all times. The Radio Officer's address shall be the legal address of the Club.

**SECTION 6 - DUTIES OF THE TRUSTEES**

The Trustees shall constitute the budget committee and shall present to the Club a budget not later than the regular February meeting, making appropriations for each of several activities out of monies known to be in possession of the Club or estimated to come into the Club in the ensuing budget year.

Said budget, either in its original or modified form, shall be approved by the general membership. After the budget has been adopted, all expenditures must be kept within the limits of the budget. When a proposal is made for any expenditure that will be in excess of the adopted budget, such proposal shall be referred to the Club Trustees for consideration, documentation and recommendation to the membership. Such proposal may then be voted on if a quorum is present. The budget year shall commence on April 1.

**SECTION 7 - DUTIES OF THE EXECUTIVE BOARD**

The duties of the Executive Board shall be to act on behalf of the Club and Club members in order to expedite the general membership meetings. In this capacity, the Executive Board acts on items of business with the Executive Board President reporting to the general membership on the action taken. The Executive Board shall consider, promote, and transact additional business subject to instructions of the Club as expressed by a vote at a regular business meeting. The President of the Executive Board is elected by the Board as a whole from the Trustees at the first board meeting after election of members to the board has been completed.

**SECTION 8 - COMMITTEES**

A. Committee Chairpersons shall be appointed by the President as he/she deems necessary. Committee chairpersons shall make reports to the Club on committee progress at general membership meetings.

B. Committees may consist of, but not limited to:

1. Social-Banquet, Picnic, Christmas Party
2. Contests - Field Day, Sweepstakes
3. Public Service - ARES, Bike-A-Thon, Walk-A-Thon
4. Fund Raising - Flea Market
5. Education and Training - Field trips, Tune-up Seminars
6. Long-range Planning
7. Nominating Committee

C. Special committees may be appointed by the President or the Executive Board at any time the need arises.

D. An Audit Committee shall be appointed to conduct an audit of finances and property belonging to the Mike and Key Amateur Radio Club. This committee shall convene in January of each calendar year to enable said committee to render their report at the general membership meeting in March.

E. Awards Committee shall consist of the last three (3) recipients of the "Pop Brown" Award who are members of the Mike and Key Amateur Radio Club to select the Pop Brown Award recipient and the Appreciation award recipient.

**SECTION 9 - ORDER OF BUSINESS**

The recommended Order of Business at all general membership meetings shall be:

- A. Meeting called to order; introduction of visitors
- B. Identification of officers; roll call of members
- C. Program or Social Hour - limit 1/2 hour
- D. Acceptance of minutes
- E. Reports of Officers and Committee chairs
- F. Unfinished Business
- G. New Business
- H. Adjournment

**SECTION 10 - QUORUM**

One-third (1/3) of the membership shall constitute a quorum for the transaction of business.

**SECTION 11 - AMENDMENTS**

Any amendment to these By-Laws may be proposed at any regular membership meeting to be adopted by a two-thirds (2/3) majority vote of the active members present at the following general business meeting, provided the proposed amendment receives the approval of the Executive Board and a written notice of said amendment is sent to the general membership.

Submitted by:

Charles Stroehner WA7EBH \_\_\_\_\_  
 Joyce Stroehner N7JPW \_\_\_\_\_  
 Jack Burell KB7ZS \_\_\_\_\_