



ZERO BEAT

HAZEL PARK AMATEUR RADIO CLUB NEWSLETTER

FEBRUARY ISSUE

JANUARY 31, 1994

Club Officers

President : Don - AA8EG
Vice President : Phil - AA8KR
Secretary : Paula - KB8OEK
Treasurer : Dave - K8TRF
Parliamentarian : Jerry - N8UUF
Board Member : Frank - AA8JN
Board Member : Steve - KF8KS

The Prez Sez

I would like to use this space to thank the H.P.A.R.C. constitution committee for their efforts over the past several months.

Initially, we wanted to re-structure the club officers to more evenly spread out the workload. Upon closer inspection, it was found that newer versions of this document had "grown" some errors, and omissions.

Therefore, the committee went through it with a fine tooth comb to return it to its proper form. I think that you will find it to be easily read and understood.

We will be reviewing these changes at the February meeting. We think that it will help the Club to run even more smoothly in the years to come.

Again, thanks to the committee for a job well done.

73's
de AA8EG -Don

JANUARY MEETING MINUTES

begin 7:34 pm
Introductions

Motion made by N8HFM to accept the December meeting minutes as printed in the

Zero Beat. Seconded by N8RLM Motion passed.

Lee, N8LTM, is in need of an assistant. He will teach you all the things you need to know to eventually take over the position of Swap Director and Organizer. If you are interested, please contact Lee.

The February board meeting will be on January 31. Everyone is welcome. We will be discussing the changes for the club constitution. If you would like to take part or just come and listen, you are more than welcome. Motion made by K8DZT to accept the treasurers report. Seconded by WD8R. Passed.

At the last board meeting, the board was discussing putting a ham radio station into a school. Motion was made by N8SMJ to look into this subject. Seconded by N8UUF. If you have any information on this subject, it would be wonderful for you to come to the February board meeting.

KE8QT passed out certificates to members that took part in the 25th anniversary net. Non-members, who were not at the January meeting, will have theirs mailed to them. Novice classes will start back up on Feb. 3rd. Intermission 7:57 pm.

Resumed 8:26 pm

Welcome all new members to HPARC:

Ivan Bidwell George Switras
Motion made by N8UUS to accept them as new members. Seconded by WD8S. Passed. Program on Mics and keys that members brought in.

Drawing winner - N8RLM

Motion made by N8UUF to adjourn. Seconded by K8DZT. Passed.

Adjourned at 8:47pm.

Submitted by KB8OEK - Paula

FEBRUARY MEETING

The topic for the February meeting is lightning - what it will do - what you should do to protect your radio gear and much more I'm sure. Hope to see as many of you as possible at this meeting.

40 METER CODE NET

Perhaps many of you are unaware that the H.P.A.R.C. holds a CW practice net every Monday evening at 8 pm on the 40 meter band. This session is usually run by AA8JN. On those nights when AA8JN is attending a board meeting, the net will be operated by N8WYO. If you need practice in CW, or if you are curious, please make an effort to join us. We can be found on 7.120 mhz, or in the first available opening in the band below that point on the dial. Please join us and help to alleviate our loneliness.

73's N8WYO - Al

MARCH MEETING

The program for the March meeting will be on satellite communications. Presenting the program will be N8QGC - John Sheets and N8QFH Steve Kaufman. This should be an excellent program as both of these fellows are very knowledgeable in this field. This meeting will be on Wed. March 9th.

HELP

KA8QKM - Al is in need of some information to get his "Caller ID" unit connected and working. He won this gadget at the Christmas party in December. There were 2 of these prizes given out so somebody out has one of these, hopefully, with some kind of installation and operating instructions. If you are that person, please contact Al at 425-1044. I know Al will be very grateful.

FROM THE LAB

A new modulation technique:

Are you tired of that wierd "duck-like" sound of SSB? Take heart! For the last two years, we at the HPARC labs have been working on a new and revolutionary modulation technique, that we feel, is the future of ham radio.

We found that this strange sound is caused, mainly, by the fact that there is only one sideband(?). To cure this, we replaced the wimpy little 2.4 Khz filter with a piece of copper wire. Not only did we then get the second sideband, but the cost saving was considerable.

We then noticed that the receiver design included a "Beat Frequency Oscillator". It occured to us that, by transmitting a "carrier", we could eliminate the BFO. We found that, due to a design flaw, balanced modulators suppress the carrier. To correct this problem, the balanced modulator was eliminated and the supply voltage for the final amplifier, collector / plate / anode was "modulated" with the audio. This seems to take a lot of power but will guarantee the job security of our friends at Detroit Edison.

Some advantages of this system are:

1. Better fidelity
2. Less critical tuning
3. Fewer parts
4. Wider bandwidth (to many people on HF. This should eliminate about half of them.)
5. Less effective range (helps eliminate international QRM)

We here at the labs have decided to name this mode "Absolute Magic" or AM for short.

73's

the ol' lid
Sparky Conekshun

WELCOME HOME

As you have probably heard, Christine N8WIQ underwent surgery several weeks ago in Chicago. It is my understanding that all went well and she is on the road to recovery and back in her own home. We all wish her the best and are glad to hear her on the DART Repeater again.

Welcome home Christine

SUNDAY NIGHT NET

Don't forget to tune into the HPARC Sunday night net. It takes place on The DART repeater 146.540 -. Join in and find out what your fellow club members have been up to over the previous week.

See you all at the meeting - Wed. - Feb. 9th.

KASNCH Date expires 10-94
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