



BOX 13  
PORT WASHINGTON  
WISC. 53074

ORC

NEWS

EDITOR AA9W

DECEMBER 1981

# Seasons

In this

Holiday Season, when our thoughts and desires are turned toward material possessions, we offer for your consideration, one possession of lasting value, which will truly satisfy an inner hunger.

This is the area of human desire that can only be satisfied by religious experience. We can attempt to satisfy this area in our life with material possession, but it will not be successful.

Amateur radio operators are supposed to be communicators. The root word being 'commune', lest we forget, this includes family and friends. Take time to practice and share your faith.

(or I'll tell Santa on you!)

# Greetings

AA Berg  
Ann D Berg

## EDITORIAL

As I announced at the November meeting, I am retiring as Editor of this O.R.C. Newsletter. My intentions from the beginning were to carry it for a year and now I find that the press of business is making the intention a fact. I want to take this opportunity to express my thanks to those club members who contributed to its content and to the club members in general for putting up with it this past year.

The Newsletter has been a fun project for me personally, and I'd like to think that perhaps we have gained some new club members along the way because of it. Some of the monthly issues have had a way of seeing a wider distribution than intended as I learned from favorable comments from outside the club.

After a little bit of "railroading", we have found a new Editor, Terry Berg WA9AWO, for the coming year. If you will give him the same good cooperation (inputs, deadlines, etc.), as I received, who knows what that rascal will be able to do in "82".

Best Wishes For The Holiday Season-----AA9W

REPEATER NEWS 'N VIEWS - by KA9DDN

Thanks to the many hours of help I've had recently from several club members (most notably KC9CJ and K3GGN), the installation of part of the "new logic" went quite well during the week of Thanksgiving. There were a couple of minor problems which we encountered, but they were rather easily solved.

What is new to the repeater system now is the autopatch access logic - both regular and emergency access. The tone decoders on the input are state-of-the-art devices with crystal oscillators for frequency reference. That means no drifting off frequency which makes retuning necessary. Also, the audio level requirements of the decoders is much more tolerant of improperly adjusted tone pads. The result is that if an operator had problems with accessing the patch in the past but could always dial phone numbers, those problems are now eliminated!

Another device which was installed was a multi-function remote control logic system. This is not working now because one of the integrated circuits failed due to a power supply problem (which has been solved). As soon as I can obtain a replacement I.C. chip, this system will be operational.

I am working now on building circuit boards for the "main timing circuits" and "audio interface". When these are done and installed, they will replace the timing circuits presently in use. The result will be an improvement in reliability of the long duration timer (timeout, for example) circuits and more flexible adjustment of the repeater operation. In addition, the audio interface board will allow for expansion which can not be done with the present circuits.

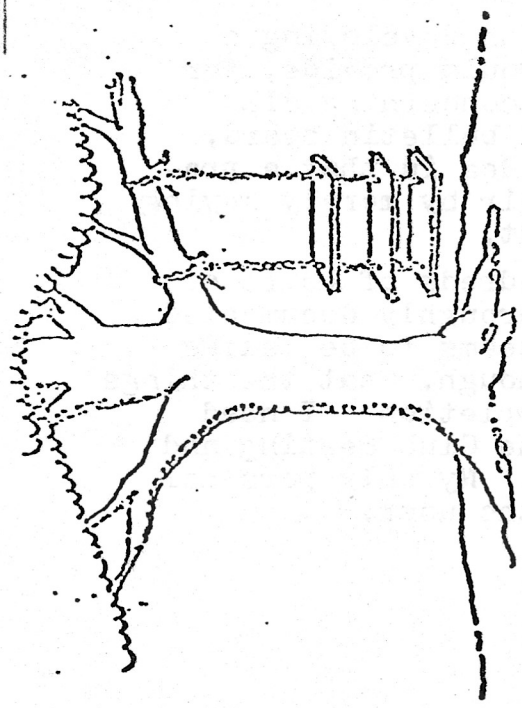
Also in the works is a smart I.D. timing logic board. This will replace the free-running timing system used now which merely activates the transmitter and I.D.'er every 8mins 21sec around the clock. The new timer will allow I.D. cycles to occur only after someone drops the input carrier to the repeater and 2.5 minutes after a QSO ends. It will also allow for the integration of a voice I.D. instead of CW after the QSO ends.

If the group desires, I will continue with developing a user-accessed tape playback system. This would provide, for example, a way of distributing information concerning club events, news, etc., or possibly a swap/sell bulletin board, or anything else one could dream up. The idea is that a pre-recorded message could be played over the air by merely keying in a few touch-tones over the repeater input.

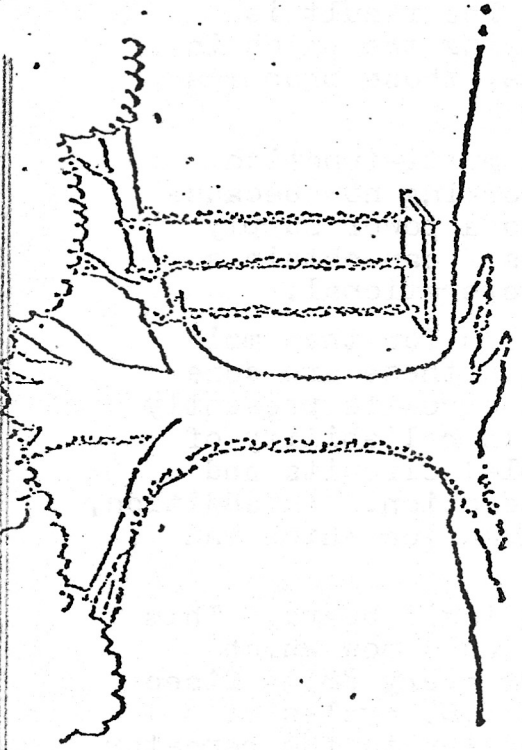
The "new logic" project has involved hundreds of hours of my time to date. Every detail is being thoroughly documented for the future reference. This is why it seems to be taking a long time to see results. Be assured, though, that the things I've described here are rapidly nearing completion. I need your help, however. In January, come to the Club meeting and vote for KA9DDN as Repeater Vice President. My only personal goal is to keep improving WR9AAE for you, the user.



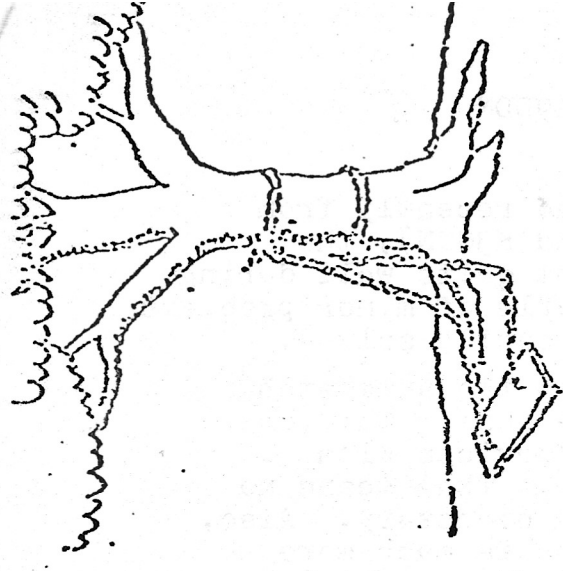
O.R.C. REPEATER PLAN



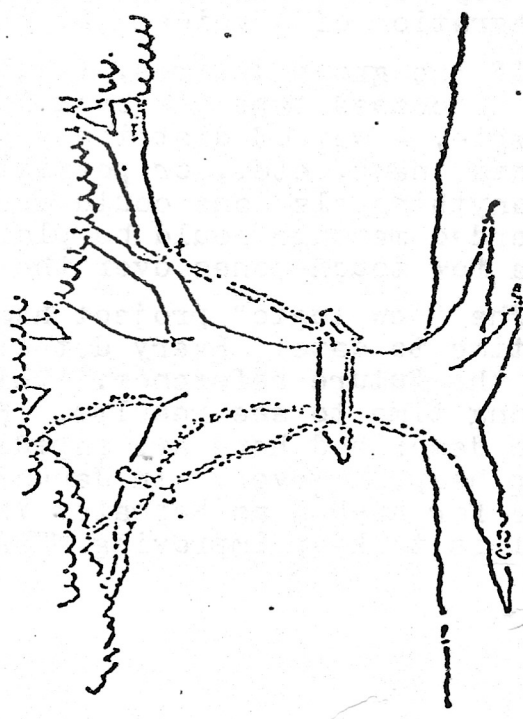
PROPOSED  
REPEATER  
PROJECT



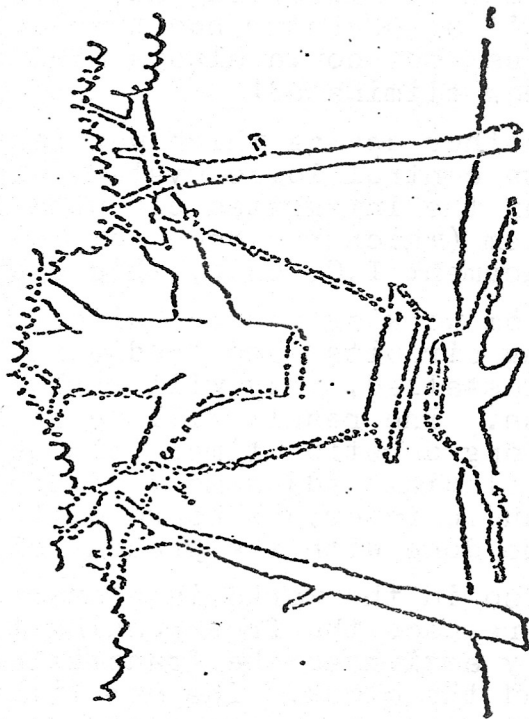
FIRST WIRING  
SCHEMATIC DESIGN



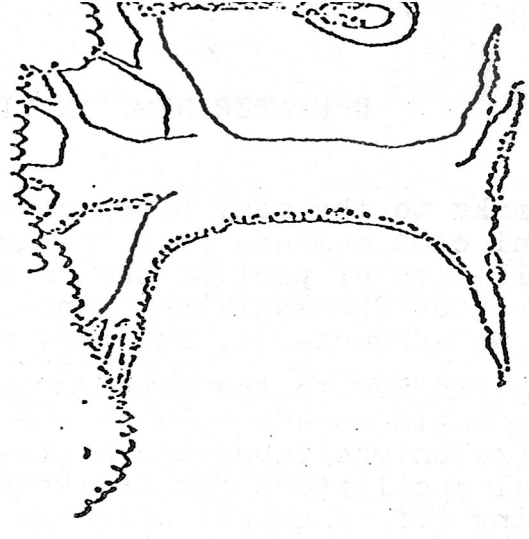
BREADBOARD  
MODEL



PC BOARDS AND  
TRACK COMPLETED



FIRST HARDWARE  
TO SITE



DEBUGGED  
AND OPERATIONAL

AA9W



1982 CLUB OFFICER ELECTIONS AT THE JANUARY MEETING

The Nominations Committee have prepared the following slate of candidates for office for 1982. Additional nominations may be made at any time prior to the election at the January meeting. The nominees are:

President ----- Mike Behlen WD9FQW  
Vice Pres ----- Ed Rate AA9W  
Secretary ----- Joe Bauer W9WQ  
Treasurer ----- Laraine Anderson KA9HJR  
Repeater V.P. ----- Skip Douglas KA9DDN  
Cesar Saroldi N9APC

Nominations Com. WD9GDG

FOR SALE

Drake TR4, RV4, Home brew power supply, and spare set of finals. Asking \$375. Joe Bauer W9WQ



The O.R.C. 1982 Membership Dues are due at the January Meeting

Make checks payable to Ozaukee Radio Club. Mailing address  
is Post Office Box 13, Port Washington, WI, 53074.

DUES SCHEDULE

<input type="checkbox"/> Club and Repeater Combination	\$13.00
<input type="checkbox"/> Repeater Only	\$10.00
<input type="checkbox"/> Club Only	\$ 5.00
<input type="checkbox"/> Student	\$ 1.00

NAME \_\_\_\_\_ CALL \_\_\_\_\_

ADDRESS \_\_\_\_\_

\_\_\_\_\_ ZIP \_\_\_\_\_

TELEPHONE NUMBER \_\_\_\_\_

# THE OZAUKEE RADIO CLUB, Inc.

Minutes of the 11 November meeting



BOX 13

Port Washington, Wisconsin 53074

Repeater meeting called to order by KA9DDN at 7:14 PM. Autopatch update is contemplated for the Thanksgiving weekend. New autopatch access and disconnect codes were distributed to paid-up repeater members. We can expect more reliable access with the new arrangements, plus the inauguration of the 911 code to the Ozaukee county sherriff. Those using this emergency feature can delay the usual identification until just before disconnect. WD9FQW states that sherriff's dispatchers will be advised about the situation. The 911 feature is NOT SECRET. Advertise it whenever possible. Meeting terminated at 7:29 PM.

Regular Meeting Called to order by WA9AWO at 7:30 PM. Moved by WD9ISS and second by WA9CPN to accept the agenda in the Newsletter. Motion Carried. Moved by WB9RQR and second by WD9JHP to accept minutes of previous meeting, also published in the Newsletter. Motion Carried. Moved by WB9RQR and Seconded BY WD9JHP to accept Treasurer's report. Motion carried.

WD9FQW presents Treasurer's report. Receipts; Dues, \$9, Sale of Patches, \$2.25, Kitty \$12.10, total is \$23.35. Disbursements; Sept/Oct refreshments \$38.60, Newsletter postage July/Sept. \$20.70, 10 Copies of Tune IN The World, \$70.72, total is \$130.02. Checking account, \$8.14, Savings account \$1631.46, Patches \$69.75, For total Assets of \$1780.07. Motion to accept by KA9CSC, second by WB9LNL, Motion carried.

OLD BUSINESS Nominating Committee chairman, WD9GDG solicits names, should be available for insertion in the next newsletter. Capitol Court Project-- No Report. Post Everything Party, delayed report by WB9PAS,; No firm date as yet. Russ plans to run this party on an advance payment basis. His motion was seconded by WD9ISS. A query by WB9LNL about the handling of late-comers brought the reply that this would cause no trouble unless there were a large number. Checks should be made out to the D&G Club, but sent to WB9PAS. Query by KA9CSC on prices, no information available but expected to be reasonable. Motion Carried. NOVICE CLASS-- WA9UVK reports total of 5 students. UPGRADE CLASS-- W9WQ reports 7 or 8 students. Some thought about changing the night of these classes and WA9UVK will check into possibilities. PUBLICIST-- No report from WD9FQW. Statement from W9ATK that radio WGLB will accept meeting notices, etc. for broadcast. SWAPFEST-- There will be a meeting at WB9SFK's home on Sunday 15 November at 2PM to get started on organization. those intending to appear should RSVP to Barry of Laraine.

AA9W announces his retirement as the newsletter editor due to a work conflict. He suggested that WA9AWO take over the job. Visitors: Jeff Setzer, novice candidate, WA9HFB, Ed, WA9THF, Stan, Meeting adjourned at 8:00PM followed by the ten meter FM dissertation by AA9W.

*Joe Bauer*  
Joe Bauer, W9WQ



Agenda 12-9-81 730

Introduction

Adoption of Agenda

Secretary's report

Treasurer's report

Old business :

Nomination Comm.

Sweepstakes

Novice Class

Advancement Class

Swapfest

Post Party

Capital Court Proj.

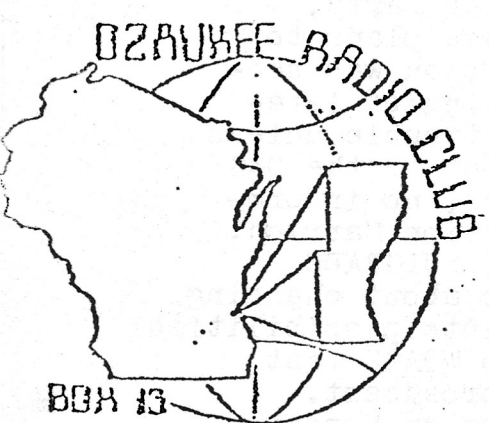
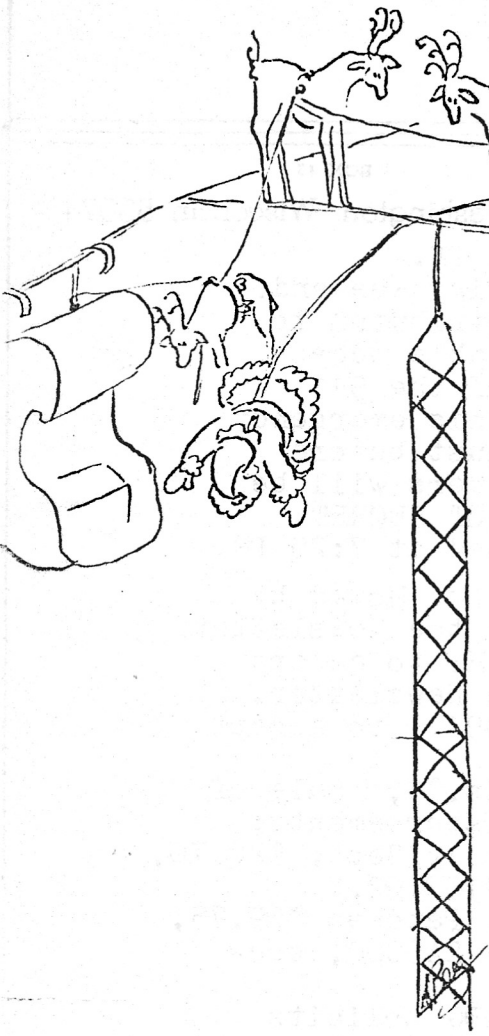
New Business

FCC Ruling

Open to floor

Adjournment 830

Refreshments Courtesy W9DQS



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12/9/81 Adv Class New Meets My OTH -  
Wed. Even. Except - Tues on Meeting Week.