

BOX 13
PORT WASHINGTON
WIS. 53074

ORC

NEWS

EDITOR AA9W

NOVEMBER 1981

Excellency Sez;

November, that means snow will soon be upon us, and with it all the indoor type projects and recreation. By the time you have received this at least half of Sweep Stakes will be over. I sincerely hope for a better showing than Field Day, but it's important to remember that contests are supposed to be fun (ha!). Several other contests lurk in the winter months, enough to keep any avid contest operator out of the family room for a month of Sundays and Saturdays. What I'm driving at is - if you want to operate this winter the falling leaves and bare trees mean that antenna work best be completed soon. Remember most of the club members will be more willing to help if they aren't standing in a snow bank.

November also means that the club year is coming to a close, this means several things: Club Dues will be due by the end of December, so start saving your nickles and dimes...you don't have to be on time (almost a third are late every year) unless you want to have your call appear in the 1982 Club Rooster. With the close of the year Club By-laws call for election of Officers. Yours Truly does not wish to repeat as an officer this, SO those of you with ambitions of holding office within the club make yourselves known to the Nominations Commisars (see club minutes for list).

Ten Meter F(un)M(ode) will be the major topic of discussion for the meeting this month and promises to wet appetites of those construction inclined. Hopefully this will also inspire some of the tech-class operators to tackle Mr. Morse's famous language for a 13 WPM proficiency...well I can always hope.

Don't forget to put Post Party on your calender, for 1982. 73.

Terry A. Berg (WA9AWO)

REPEATER TIPS

DO KEEP TRANSMISSIONS SHORT. Emergencies don't wait for monologues to be finished. If you talk to hear your own voice, what you want is a tape recorder, not an fm rig.

DO THINK BEFORE YOU TRANSMIT. When you can't think of anything worth saying, stop.

DO PAUSE BETWEEN EXCHANGES. Someone with a high-priority need for the repeater may want to break in; also, repeaters are configured so that a pause in transmissions is necessary to reset the timer.

DO IDENTIFY PROPERLY. I.D. with your call only at ten (10) minute intervals. Don't "over 10".

DO BE COURTEOUS. A repeater is like a telephone party line and requires the same kind of cooperation in its use.

DO USE SIMPLEX WHEN POSSIBLE. Leave the repeaters available for those who can't communicate simplex.

DO USE THE MINIMUM POWER NECESSARY to maintain communication.

DO SUPPORT YOUR REPEATER. Maintaining a good machine is an expensive undertaking and continual "dead-beats" are stealers of others' investment in the repeater.

DON'T ABUSE AUTOPATCH PRIVILEGES. Business messages are not permitted. Don't force the control operator to terminate your call; if in doubt, don't!

DON'T BREAK INTO A CONTACT unless you have something to add. Interrupting is no more polite on the air than it is in person.

DON'T FORGET: AMATEUR RADIO EXISTS BECAUSE IT IS A SERVICE, not just a hobby. Contribute to public service aspects of vhf fm communications, such as accident reporting, emergency preparedness, etc.

DON'T TRY TO PROVE WHAT A GREAT OPERATOR YOU ARE by criticizing the operating techniques of others on the air. Instead, set the example for others to follow.

DON'T MONOPOLIZE A REPEATER. The competent repeater users are the ones who do a lot of listening, and limited transmitting.

DON'T FORGET THAT WHAT YOU SAY OVER A REPEATER CAN BE HEARD OVER HUNDREDS OF SQUARE MILES by anyone with an inexpensive "public service band" monitor. Some are potential hams; if they like what they hear, they will want to get licenses and join us. Don't leave bad impressions by making thoughtless or off-color remarks.

DON'T GIVE SPECIFIC LOCATIONS when leaving your mobile gear unattended at shopping centers; "Hamburglars" may be listening. The same warning goes for vacations, trips, etc.

ELMER GRUNT LECTURES ON EARLY PREDECESSOR TO MORSE CODE

Old timer Elmer Grunt lectured on the 26-dit code system last week at the Traditionalist Radio Amateur Program Class 'C' license class. Grunt explained to the students that early radio operators did not immediately adopt the Morse Code, but first used the 26-dit code instead for many years. In the 26-dit code, each letter of the alphabet was assigned a corresponding number of dits. That is, A=., B=.., C=..., J=....., etc. "Although popular," Grunt said, "the 26-dit code was unfortunately somewhat combersome". Grunt went on to tell the class how the 26-dit code was replaced by the "Dit and Space Code" in 1879. This code system was much simpler in that it required a maximum of only 13 dits to form a character. These dits were used in combination with 13 spaces which were performed in the carrier-off or key-up mode. Finally, before the turn of the century, another code system, the "No Dit, All Space Code," was briefly tried. It was the simplest of all as it required no dits. All characters were formed in the key-up mode. In fact, no key was necessary. Unfortunately, this code, while using very little spectrum space, was very difficult to copy and never gained acceptance among hams of the day. Still, now and then on straight key night, one is likely to hear an old timer like Elmer Grunt get on the air with the 26-dit code, the "Dit and Space Code," or the "No Dit, All Space Code".

How To File Comments In An FCC Rulemaking

The following guidelines are provided to assist you in filing comments with the FCC:

YOUR EXPERIENCE

The FCC is interested in any experiences, judgments or insights you might have that would shed light on issues and questions raised in an inquiry or rulemaking.

FACTS

Your comments should explain who you are and what your interest is. State the facts briefly, but fully. Clearly explain your experience and any additional evidence which supports your position.

BE SPECIFIC

Your comments should be explicit. If the details of the proposed rules or if only one of several provisions of the rule are objectionable to you, make this clear. If the rule would be acceptable with certain safeguards, explain them and why they are needed.

OTHER OPINIONS

Your comments should include facts which might support a different position, discuss them and explain why the public interest requires that the matter be resolved as you propose.

FILING DATE

Arrange for your comments to reach the Commission on or before the comment or reply comment date included in the Notice of Inquiry or Notice of Proposed Rulemaking.

FILING COMMENTS

Submit your written comments to: Secretary, Federal Communications Commission, 1919 M St., N.W., Washington, D.C. 20554.

If you want your comments to be received as a formal filing, you must submit an original and five copies; however, you may simply submit one copy to be filed in the Docket as an informal comment.

DOCKET NUMBER

Be sure to note the Docket Number or Rulemaking Number on your comments.

PUBLIC DOCUMENTS

You can obtain copies of a Notice of Inquiry or a Notice of Proposed Rulemaking by contacting the Public Information Officer, FCC, 1919 M St., N.W., Washington, D.C. 20554. (202) 632-7260.

All Notices of Inquiry and Proposed Rulemaking are printed in the Federal Register soon after they are released by the Commission. The Federal Register is available in most public libraries across the country.

Amateur Radio Licensing -

Status of applications
Form 610, 610A, or 610B
Rule waiver requests (submit in writing)
Special Temporary Authority (STA)
Call sign assignment system

contact - Consumer Assistance Branch
Licensing Division
Private Radio Bureau
Federal Communications Commission
Gettysburg, Pa. 17325
(717) 334-7631

Other Amateur Radio Information -

Third-party agreements
Reciprocal agreements
Rulemaking matters
Bulletins or General Information

contact - Education Branch
Compliance Division
Private Radio Bureau
Federal Communications Commission
Washington, D.C. 20554
(202) 632-7125

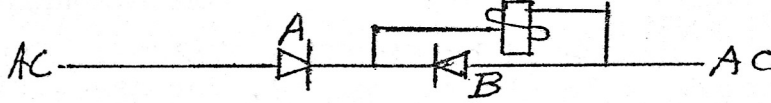
Local Information -

Examination Study Guide Bulletins and Schedules
Special Examinations
Interference Complaints

contact - your local FCC office

ILLINOIS, Chicago 60604
3940 Federal Building
230 South Dearborn Street
OFFICE EXAMINATIONS (Recording)
Phone: (312) 353-0197
OTHER INFORMATION
Phone: (312) 353-0195/6

Have you been wondering about those "useless" relays in your junk box or available at fantastic prices at swapfests? You don't need to build a 24 volt supply to use them, just a simple hookup to the 115 volt AC power that we all have available courtesy of Wisconsin Electric Power Co. Hook 'em up like this:



Only two diodes of about 200 PIV or higher. Diode A provides the operating current while diode B provides a conducting path for the voltage induced by the collapsing magnetic field on the other half cycle, thus preventing that annoying loud buzz with half wave rectification. This works much better than a capacitor across the winding and takes up much less space. If the relay gets too hot, you can experiment with a series resistor but most 24 volt relays have enough impedance at 60 hertz to work without a resistor.

Joe Bauer, W9WQ

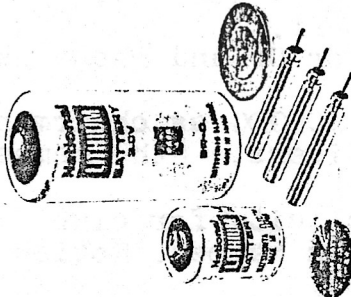
Lithium Batteries:

They feature the unique lithium polycarbon mono-fluoride system. It does not gas... provides inert, hermetically-sealed packaging. This stable system is particularly suited to miniaturization and such consumer applications as watches and calculators. High cell voltage (3V nominal)... extreme energy density... very long shelf-life... are all available at a price competitive to silver oxide systems.

Both the cylindrical and miniature cells are ideal for C-MOS memory applications without the need for float or charging circuitry. Please call us for detailed information regarding the use of Panasonic lithium in your microprocessor or C-MOS portable-type applications.

Specifications—Li Batteries (CR-type MnO₂-Li System)

Model	Type	Capacity (mAh)	Dimensions (max.)		Weight (oz.)	Standard Disch. (mA)	Maximum Disch. (mA)
			Diam. (inches)	Height (inches)			
BR-425	Pin	2	0.165	1.020	0.02	0.5	1.5
BR-435	Pin	4	0.165	1.413	0.03	0.2	3
BR-2025	Coin	3	0.787	0.098	0.08	0.2	3
BR-2325	Coin	3	0.906	0.098	0.11	0.5	5
BR-1/4A	Cylinder	3	0.681	0.886	0.336	20	70
BR-3/4A	Cylinder	3	0.681	1.315	0.477	35	150
BR-C	Cylinder	3	1.024	1.969	1.66	150	300
BR-2320	Coin	3	0.906	0.079	0.088	0.2	5
BR-2016	Coin	3	0.787	0.053	0.053	0.1	2
CR-2025	Coin	3	0.787	0.098	0.085	0.2	5
CR-2016	Coin	3	0.787	0.063	0.056	0.2	5
BR-2325*	Coin	3	0.906	0.098	0.14	0.5	5



*SPECIAL PIN MOUNT LEADS FOR PC BOARD APPLICATOR

Nickel Cadmium Batteries:

Our nickel cadmium brings you state-of-the-art technology. Cells are exceptionally uniform. They're electronically profiled as to impedance and capacity so there's never a need for cell-matching. Most are available in fast-charge versions.

They're available with at least 500 cycle ratings... and up to 1,000 cycles... depending upon your application and its charge/discharge pattern.

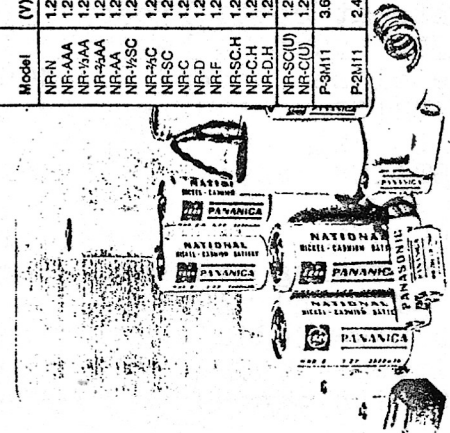
Capacity retention is extremely good. Cells are shipped 85% charged and in many cases

have usable capacity even after 12 months of use. Special high temperature cells with (H) designations are designed especially for long-term, stand-by service. There's no need to discharge to restore capacity.

All of these outstanding features are available at competitive prices. Virtually any configuration may be obtained in volume for portable or stand-by type applications. For technical advice and samples, call on our engineering staff at any time.

Specifications—Ni-Cd Batteries

Model	Capacity (V) 5 hr. (mAh)	Dimensions		Weight (oz.)	Quick Charge		Standard Charge	
		Diam. (inches)	Height (inches)		(mA)	(hrs.)	(mA)	(hrs.)
NR-N	150	0.473	1.181	0.300	38	6	15	15
NR-AAA	180	0.414	1.752	0.353	45	6	18	15
NR-WAA	110	0.571	0.669	0.212	75	4.5	25	15
NR-AA	250	0.571	1.114	0.424	150	4.5	50	15
NR-WSC	12	600	0.906	1.044	150	6	60	15
NR-SC	12	1,000	1.024	1.518	300	6	100	15
NR-C	1,200	0.906	1.683	1.589	180	6	120	15
NR-D	1,800	1.024	1.969	2.471	180	6	180	15
NR-F	4,000	1.299	2.402	4.942	400	6	400	15
NR-SCH	1,200	1.339	3.503	8.119	700	6	700	15
NR-CH	1,200	0.906	1.683	1.589	40	48 up	40	48 up
NR-CU	1,800	1.024	1.969	2.471	60	48 up	60	48 up
NR-DH	1,200	1.299	2.402	4.942	133	48 up	133	48 up
NR-SC(U)	1,500	0.906	1.683	1.765	300	75	300	15
NR-C(U)	1,200	1.024	1.969	2.745	550	6	220	15
P-3M11	3.6	110	1.024	1.969	1.023	11	11	15
P-2M11	2.4	110	1.024	1.969	0.776	11	11	15



THE OZAUKEE RADIO CLUB, Inc.



MINUTES OF THE 14 OCTOBER MEETING

BOX 13

Port Washington, Wisconsin 53074

The Repeater meeting was opened by KA9DDN at 7:22PM. Expenditures of \$65.66, and Receipt of \$60 (tower lights), for negative cash flow of \$5.66. This is for August, September and part of October. Combined checking/savings account is \$206.07. Rack trade has been arranged with Milwaukee ARES. Rack being reconditioned by KC9CJ. New Control/decoding board for the repeater was displayed. Skip requested input on whether the change in autopatch access/dump codes should be changed now or delayed to February. To be considered is the double expense of notifying repeater members. New dump code will be TWO digits to minimize malicious dumps by non-repeater members? KA9EEF suggests that autopatch users do not delay keying the first digit as the TELCO switching gear has a short timeout interval which can foul up the call. Repeater Meeting Adjourned at 7:38PM.

The regular meeting was called to order by WA9AWO at 7:40PM. Motion by WD9JIB to accept the agenda printed in the club newsletter, Seconded by KA9CSC; motion Carried. Minuted of previous meeting accepted without correction; moved by KC9CJ and seconded by WB9RQR. Treasurer's report by WD9FQW; Receipts ZERO, disbursements \$29.12 to Heritage Printing. Assets: \$114.80 in checking account, \$1631.46 in savings account, 96 patches for \$72, for a total of \$1818.27. Question by WA9AWO about Kitty money from previous meeting; Accounting will be made in next month's report, Motion to accept made by WB9RQR and second by AA9W. Motion carried.

OLD BUSINESS

Report on WALK FOR MANKIND by KC9CJ. some inconsequential problems but generally satisfactory to all concerned. We have been invited to return next year. Sponsors of the event have furnished tickets to the HAUNTED HOUSE for our participants.

LICENSE CLASSES -- Novice class by WA9UVK and advancement class by W9WQ, to be held in the GRAFTON high school on Wednesday evenings. Publicity releases handled by WB9SFK. WA9UVK raised Question about procurement of "TUNE IN THE WORLD" to be sold to the students at cost, Present price from AES is \$5.60 each. Motion by WA9UVK that he be authorized to buy TEN sets of TIW for the novice class. Second by KC9CJ, motion carried.

*FILM STRIPS AA9W reports availability after 1 dec '81.

SOFTBALL TEAM WB9SFK not present so no report.

SWEEPSTAKES WA9AWO soliciting volunteers for CW and Phone Segments.

NEW BUSINESS WA9AWO has already enlisted WD9GDG as chairman of the nominating committee for next Years officers. Other members are WD9JIB and WA9USA.

*PUBLICIST Media contact person to get publicity for club activities. WD9FQW volunteers, with KC9CJ as helper. Motion by WA9AWO with second by W9VQD-- motion carried.

THE OZAUKEE RADIO CLUB, Inc.



BOX 13

Port Washington, Wisconsin 53074

MINUTES OF THE 14 OCTOBER MEETING
(2)

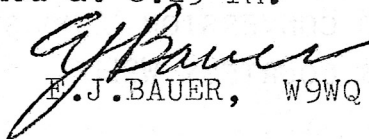
NEW BUSINESS

SOLICITATION FOR HAM RADIO DEMONSTRATION AT CAPITOL COURT SHOPPING MALL (approach to W9NHE, message delivered to club by WB9LNL). Ted needs substantial number of volunteers. Motion by WB9LNL to investigate W9NHE's proposal, second by KA9EXY, motion carried. (date is a weekend in late January).

BROOKS CHIROPRACTIC CLINIC --they are offering a presentation of chiropractic care. No motion to accept the offer so matter is dropped.

GUESTS: N9COB, John Martin, introduced by WB9PAS. KB9BAT,, Loyal Schaefer, introduced by KB9UE, has joined the club. KA9LOJ, soliciting magazine subscriptions for benefit of Cedarburg High School.

Motion for Adjournment made by KC9CJ, Second by KB9UE-- motion carried and meeting adjourned at 8:29 PM.


E.J. BAUER, W9WQ

FOR SALE----- Drake TR4; RV4, Home Brew Power supply,
and spare set of finals. Asking \$375.
Joe Bauer, W9WQ
692-2329

WANTED----- Tiny Drills sizes 68 thru 72
See KA9DDN

FOR SALE----- B&K VTVM, also Heathkit Monitor Scope
See Pete WD9JIB

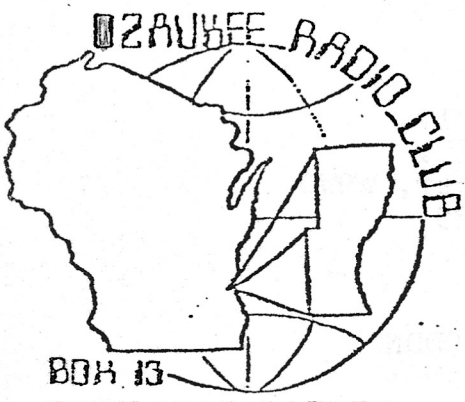
AGENDA FOR NOVEMBER 11, 1981 MEETING @ 7:30P,

950
~~WQ~~

1. INTRODUCTION
2. ADOPTION OF AGENDA X
3. SECRETARY'S REPORT X
4. TREASURER'S REPORT X
5. OLD BUSINESS
 - A. NOMINATIONS X W09GDG X
 - B. CAPITOL COURT PROJECT X
 - C. POST DINNER X WB9PAS
 - D. NOVICE CLASS REPORT *52 Sessions 1 Fozged Out*
 - E. ADVANCEMENT CLASS REPORT *wawa 6 stune in Worlds Sold. Code tape cleanup*
6. NEW BUSINESS
 - A. OPEN TO FLOOR *Swapfest / Ed Rate / Post Dinner P/Adv.*
7. ADJOURNMENT @ 8:30 PM
8. TEN METER FM CONVERSION DEMONSTRATION BY AA9W
9. REFRESHMENTS COURTESY W9DQS

*Pos Material
ISS. 2nd*

Donations



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 PORT WASHINGTON
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