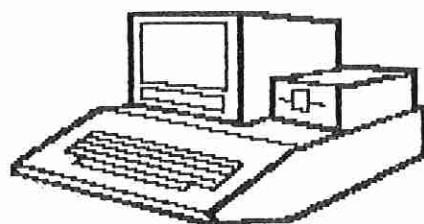


# THE FOX CITIES AMATEUR RADIO CLUB QSO'ER

A.  
R.  
R.  
L.

A.  
R.  
R.  
L.



CLUB STATION "W9ZL"  
318 EAST BREWSTER STREET  
APPLETON, WIS. 54911  
ARRL CLUB # 2132  
SPECIAL SERVICE CLUB

MARCH 16, 1992

## OFFICERS

PRESIDENT:  
KAREN THORNE WB9ZNA 725-7374  
VICE PRESIDENT:  
MARTHA SCHMEICHEL N9JAD 731-7338  
SECRETARY:  
LARRY SIEBERS KD9IA 788-3823  
TREASURER:  
LES PARDEE KA9MPP 766-1750  
MEMBERSHIP CORD:  
JEFF SCHMEICHEL KB9BYP 731-7338

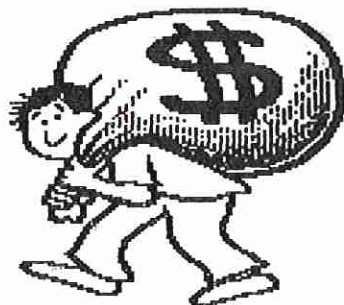
MEMBERS AT LARGE:  
DON BAKER NB9J 766-1948  
MYRON JACKSON WB9BBI 739-9680  
HELEN BORREE WD9CYW 725-1331

\*\*\*\*\*

THE MARCH MEETING WAS CALLED TO ORDER BY PRESIDENT KAREN THORNE AT 7:00 PM. THE MEETING WAS HELD AT ROOSEVELT JR. HIGH SCHOOL

APPROVAL OF THE MINUTES:

MINUTES WERE READ AND APPROVED.



TREASURER'S  
REPORT;

BALANCE AS OF  
THE MARCH  
MEETING.  
\$2,233.43

PLUS THE HAMFEST FUND OF \$600.00

## THANK YOU

THANKS TO WISCONSIN BELL FOR THERE FINE PRESENTATION ON THE 911 SYSTEM, IT WAS A GOOD PROGRAM ON HOW THE SYSTEM WORKS, AND HOW IT IS SUPOSE TO BE USED....

## INFORMATIONAL ITEMS

----EMERGENCY COMMUNICATIONS.. JEFF JEFF, KB9BYP REPORTED ON THE SPRING A.R.E.A.'S MEETING TO BE HELD ON MARCH 18, 1992. IT WILL BE HELD AT THE OUTAGAMIE COUNTY COURT HOUSE. THERE WILL ALSO BE SEVERE WEATHER TRAINING AT THIS MEETING.

JEFF ALSO NOTED THAT THERE WILL BE A STATE WIDE TORNADO DRILL TO BE HELD ON THURSDAY APRIL 9, 1992. THERE WILL BE A NET ON THE 145.150 REPEATER. ALL ARES MEMBERS WHO CAN TAKE THERE HAND-HELDS TO WORK AND CHECK INTO THE NET BETWEEN 1:15 AND 2:00 PM.

JEFF ALSO NOTED THAT THERE WILL BE A MOCK DISATER TO BE HELD AT THE POINT BEACH NUCLEAR PLANT. IF YOU MONITOR ANY OF THE MANITOWOC REPEATERS YOU WILL HERE THEM. IT WILL BE HELD ON MARCH 17, 18, 1992.

JEFF NOTED THAT THE MEETING WILL BE TAKING THE PLACE OF THE ARES NET WENESDAY NITE, BUT NETS WILL BE HELD WEEKLY ON THE 145.150 REPEATER AT 9:00 PM.

----NONEMERGENCY COMMUNICATIONS. MARTHA, N9JAD INTRODUCED MOLLY SEIBERLICH WHO WAS PRESENT FOR THE MULTIPLE SCIEROSIS SOCIETY. MOLLY EXPLAINED WHAT MS WAS TO GIVE US A

IDEA WHAT MS IS. AND A BETTER UNDERSTANDING OF IT. SHE WANTED TO GIVE VOLUNTEERS A LITTLE BACKGROUND SO WHEN PEOPLE ASKED QUESTIONS ABOUT IT, YOU COULD HOPEFULLY GIVE A ANSWER. THE 15K WALK WILL BE HELD ON APRIL 5, 1992. VOLUNTEERS ARE ASKED TO BE AVAILABLE FROM 9:30 AM TILL ABOUT 2:00 PM. YOU WILL RECIEVE A BREAKFAST AND LUNCH AND T-SHIRT FOR YOUR TIME. IF YOU WOULD LIKE TO VOLUNTEER FOR THIS EVENT PLEASE CONTACT MARTHA, NSJAD.

MARTHA ALSO NOTED THAT THE CLUB HAS BEEN ASKED TO HELP OUT FOR THE MEMORIAL DAY PARADE. IF YOU CAN HELP OUT WITH THIS PLEASE CONTACT BOB CLEVELAND, WDSHID.

MARTHA ALSO NOTED THAT THE CLUB HAS BEEN ASKED TO HELP OUT FOR THE BAGO 100 BIKE RACE. IF YOU CAN HELP OUT WITH THIS EVENT PLEASE CONTACT MARTHA, NSJAD.

----E.A.A. WAYNE, WDSFLJ WAS NOT PRESENT AT THE MEETING SO WE WON'T GET A UPDATE ON THE E.A.A. TILL THE NEXT MEETING.

----CONTEST AWARENESS. JACK, KA9JOL HAD NOTHING TO REPORT ON CONTESTS.

----INTER CLUB CONTACT. LARRY, KDSIA REPORTED THAT THE SUMMER PICNIC BETWEEN THE GREENBAY MIKE AND KEY CLUB AND THE FOX CITIES ARC. WILL BE HELD ON JUNE 6, 1992. IT WILL BE HELD AT BAYBEACH IN GREENBAY. THIS IS A FAMILY EVENT. YOU ARE ASKED TO BRING YOUR OWN MEAT AND A DISH TO PASS. THE TWO CLUBS WILL SPONSOR THE POP. THE EVENT WILL START AROUND 10:00 AM AND LAST TILL ?. MORE INFORMATION TO FOLLOW IN LATER NEWSLETTERS.

----TESTING. THE FOX CITIES ARC SPONCORED A VE TEST SESSION ON SATURDAY MARCH 14, 1992. MORE INFORMATION TO FOLLOW IN THE NEWSLETTER.

----CLUB MAGAZINES. A REMINDER THAT THE CLUB HAS POSSESSION OF AMATEUR RADIO MAGAZINES DATING BACK IN THE 50'S. THERE IS QST, CQ, AND HAMRADIO. IF YOU ARE INTERESTED IN ANY OF THESE MAGAZINES CONTACT ME, LARRY KDSIA AT 788-3823. THEY ARE PACKAGED NEATLY IN BOXES WITH YEAR AND MONTH IN ORDER.

## OLD BUSINESS

----NOMINATIOG COMMITTEE. BRUCE N9MDE, MARK KF9CS AND BOB N9NUP VOLUNTEERED THERE TIME FOR THE NOMINATIONG COMMITTEE. IF YOU ARE INTERESTED IN ONE OF THE OFFICES OPEN IN MAY CONTACT ONE OF THESE THREE PEOPLE. THE OFFICES OPEN ARE...  
1. VICE PRESIDENT  
2. TREASURE  
AND 3 MEMBERS AT LARGE..

I WOULD LIKE TO SAY THANK YOU TO BRUCE N9MDE, MARK KF9CS, AND BOB N9NUP FOR VOLUNTEERING TO BE ON THE NOMINATING COMMITTEE. I KNOW THAT THEY WILL DO THEIR BEST. BUT DON'T FORGET, IF YOU KNOW OF SOMEONE WHO MIGHT BE INTERESTED IN ANY OF THESE POSITIONS TALK TO THEM FIRST AND NOMINATE THEM AT THE NEXT CLUB MEETING.

ALSO, I WOULD LIKE TO SAY THANK YOU TO ALL OF YOU WHO HAVE HELPED ME AND SUPPORTED ME THIS FAR. IT'S GOOD TO SEE THAT ENCOURAGEMENT. I'LL TRY TO COME UP WITH A BETTER WAY OF GETTING YOUR ATTENTION THAN SHOUTING.

IF ANY OF YOU HAVE ANY SUGGESTIONS FOR A PROGRAM, OR WHAT YOU WOULD LIKE TO HAVE, LET ME KNOW. OR MAYBE A COUPLE OF YOU COULD PUT A PROGRAM ON TOGETHER SUCH AS PACKET, HOW TO GET STARTED, WHAT IT INVOLVES, HOW TO JOIN A PACKET NET. BUILDING ANTENNAS, DIPOLES ANTENNAS, LADDER LINE ANTENNAS, ECT.

ANOTHER POSSIBILTY WOULD BE TO GO TO SOMEONES HOUSE OR MAYBE THE SCHOOL AND GET ON THE AIR AND MAKE SOME CONTACTS. THEN HAVE THAT PERSON LOG IT AND MAKE OUT A QSL CARD. USING THE CLUBS CALL IF AT THE SCHOOL. WE DO HAVE QSL CARDS FOR THE CLUB.

THIS WOULD HAVE TO BE CORDINATED WITH MIKE WB9BBI.

THAT'S ALL FOLKS....

PRESIDENT  
KAREN THORNE  
WB9ZNA

# TEST SESSIONS

APRIL 18, 1992	MILWAUKEE, WIS.
APRIL 21, 1992	MILWAUKEE, WIS.
MAY 2, 1992	OZAUKEE, WIS.
MAY 9, 1992	MARSHFIELD, WIS.
MAY 9, 1992	MANITOWOC, WIS.
MAY 19, 1992	MILWAUKEE, WIS.
JUNE 13, 1992	APPLETON, WIS.
JUNE 14, 1992	STEVENSPOINT, WIS.
JUNE 16, 1992	MILWAUKEE, WIS.
JULY 11, 1992	MARSHFIELD, WIS.
JULY 21, 1992	MILWAUKEE, WIS.
AUGUST 1, 1992	APPLETON, WIS.
AUGUST 18, 1992	MILWAUKEE, WIS.
SEPT. 12, 1992	MARSHFIELD, WIS.
SEPT. 15, 1992	MILWAUKEE, WIS.
OCT. 20, 1992	MILWAUKEE, WIS.
NOV 7, 1992	MENOMONIE, WIS.
NOV. 14, 1992	MARSHFIELD, WIS.
NOV. 17, 1992	MILWAUKEE, WIS.
DEC. 5, 1992	STEVENSPOINT, WIS.
DEC. 15, 1992	MILWAUKEE, WIS.

THE NEXT TEST SESSION TO BE HELD IN THE AREA WILL BE AT THE MANITOWOC HAMFEST, WHICH WILL BE HELD ON MAY 9, 1992. THE TESTING WILL BE HELD AT SILVER LAKE COLLEGE ON HWY. 151 JUST WEST OF I-43.

THE NEXT TEST SESSION TO BE HELD IN APPLETON WILL BE ON JUNE 13, 1992. WHICH WILL BE HELD AT JAMES MADISON JR. HIGH SCHOOL. WHICH IS LOCATED ON THE CORNERS OF CARPENTER AND CALUMET STREETS ON THE SOUTHEAST SIDE OF APPLETON.

REGISTRATION BEGINS AT 8:00 AM TILL 9:00 AM. THE DOORS CLOSE AT 9:00 AM. TESTING BEGINS AT 9:00. NO WALK-INS PLEASE.

FOR MORE INFORMATION ON THESE TEST SESSIONS CONTACT LARRY SIEBERS KD9IA AT 414-788-3823. OR WRITE AT N2781 WEYERS RD. KAUKAUNA, WIS. 54130.

PLEASE BRING A PHOTO I.D. AND YOUR ORIGINAL LICENSE AND A PHOTO COPY OF YOUR LICENSE TO ATTACH TO YOUR 610 FORM. 610 FORMS ARE AVAILABLE AT THE TEST SESSIONS.

IF YOU HAVE ANY HANDICAP PLEASE CONTACT US AHEAD OF TIME SO WE CAN MAKE ANY NECESSARY ARRANGEMENTS. WE WILL DO ANYTHING POSSIBLE TO HELP YOU.

# ARRL/VEC TEST SESSION REPORT

APPLETON, WIS. MARCH 14, 1992

	1A	1B	1C	2	3A	3B	4A	4B
PASSED	6	1	1	18	17	1	2	2
FAILED	2	1	2	2	5	2	0	0
<hr/>								
TOTAL	8	2	3	20	22	3	2	2

TOTAL	
PASSED	48
FAILED	14
<hr/>	
TOTAL	62 ELEMENTS

## UPGRADES

NOVICE	1
TECH (CODELESS)	11
TECH (HF)	9
GENERAL	0
ADVANCED	2
EXTRA	1
<hr/>	
TOTAL	24

40 CANDIDATES SERVED AT THIS SESSION

### CLUB UPGRADES:

DONALD ALESCH JR.	NOVICE
BILL NIEMUTH KB9ENO	4B

## SPECIAL TNX TO THESE VE EXAMINEERS

GEORGE CROY W9MDP	LIAISON
JACK BIGELOW KA9JOL	
LES FARDEE KA9MFP	
RIC KOSIOREK WX9C	
CARL OLSON KA9ZTF	(MANITOWOC)
GARY KEATING ND9Z	
GREGG SEIDL AA9AO	(GREENBAY)
JIM PROMIS W9YE	(GREENBAY)
MYRON JACKSON WB9BBI	
GERALD CLUSEN N9AYN	
LARRY SIEBERS KD9IA	CONTACT

NEXT TEST SESSION WILL BE HELD AT MANITOWOC HAMFEST MAY 9, 1992

AND NEXT SESSION TO BE HELD IN APPLETON WILL BE JUNE 13, 1992.

INFORMATION PROVIDED BY:  
GEORGE CROY W9MDP. FC-ARC VE LIAISON

**FOR SALE**



**KENWOOD MOBILE MOUNTING BRACKET  
MODEL NUMBER MB-430**

CALL DAVE KIMBALL KA9NNI  
1400 N. RACINE STREET  
APPLETON, WIS. 54911  
735-1278.

**BUTTERNUT BUTTERFLY HF ANTENNA  
COVERS 10, 12, 15, AND 20 METERS.  
CONTACT GARY KEATING ND9Z  
AT 766-3091**

**AUTEK QF-1A CW-SSB-RTTY FILTER  
SEE ADS IN QST FOR DATA  
CALL FRANK, KB9GI AT  
739-1287.....**

**HAL ST6 TERMINAL UNIT (WITH  
MANUAL) EXTRA PARTS AND BOARDS  
28 RO-TELETYPE WITH SPEED SHIFT-  
80 75 100 WPM.**

**APX. 5 CASES OF ROLE COMPUTER  
PAPER. 12 ROLLS TO A CASE.**

**FLYVANIA ELECTRIC SCOPE (WITH  
MANUAL)**

**HEWLETT PACKARD RESISTIVE  
DIVIDERS (10020A)**

**TT-76 TELETYPE - WITH TABLE  
28KSR TELETYPE - WITH EXTRA**

**PRINTERS**

**SOLID STATE VOLTMETER (HEATHKIT)  
MODEL IM-17 WITH MANUAL.**

**REEL TO REEL TAPE PLAYERS, ALL  
KINDS OF OTHER STUFF THAT WILL BE  
INCLUDED. AM-FM RADIOS, 8 TRACKS,  
LOOP SUPPLY, SPOOLS OF WIRE, SHRINK  
TUBING, WHAT EVER IS HERE WILL BE  
INCLUDED.**

**(PACKAGE DEAL) \$100.00 TAKES ALL.**

**AEA COMPUTER PACTCH CP-100  
MBA-TOR CARTRIDGE WITH MANUAL  
110.00 (FIRM)  
1571 COMMODOE DISK DRIVE \$100.00**

**FOR ANY OF THESE ITEMS CALL  
WBSYCO DALE MITCHLER  
813 OVIATT STREET  
KAUKAUNA, WIS. 54130  
766-0354**

## CONTEST

APRIL 18-19 1992 HOLYLAND DX CONTEST.

APRIL 18-19 1992 SARTG WORLD  
WIDE AMTOR CONTEST.

APRIL 22, 1992 ARRL SPRING SPRINTS  
432 MHZ

APRIL 22-23, 1992 DXYL-NAYL CONTEST  
PHONE BAND.

APRIL 25-26, 1992 GEORGIA QSO PARTY

APRIL 25-26, 1992 HELVETIA CONTEST

APRIL 26, 1992 QST QSO AWARD PARTY

MAY 1, 1992 ARRL SPRING SPRINTS 902  
MHZ.

MAY 2-3, 1992 ARI INTERNATIONAL DX  
CONTEST.

MAY 2-3, 1992 OREGON QSO PARTY

MAY 2-3, 1992 TEN-TEN INTERNATIONAL  
NET SPRING CW QSO PARTY

MAY 2-3, 1992 TEXAS QSO PARTY

MAY 2-3, 1992 MARAC COUNTY HUNTERS  
CW CONTEST.

MAY 7, 1992 ARRL SPRING SPRINTS 1296  
MHZ.

MAY 9-10, 1992 CQ-M CONTEST (PEACE TO  
THE WORLD.

MAY 14, 1992 ARRL SPRING SPRINTS 2304  
MHZ.

## FCC CHANGES TO NEW GETTYSBURG ADDRESS.

HERE IS A NEW ADDRESS FOR ALL  
AMATEUR LICENSE APPLICATIONS AND  
MODIFICATIONS:

FEDERAL COMMUNICATIONS COMMISSION  
1270 FAIRFIELD ROAD  
GETTYSBURG, PA. 17325-7245.

## W.A.R.

THE WISCONSIN ASSOCIATION OF REPEATERS HELD IT'S FIRST QUARTER MEETING IN GREENBAY, WIS. AT THE BAY FAMILY NORTH RESTURANT ON MARCH 14, 1992 AT 1:00 PM.

CLUB MEMBERS WHO ATTENDED THIS MEETING WERE:

N9LUS	DAN
KE9BYP	JEFF
WD9FLJ	WAYNE
ND9Z	GARY
N9FZL	CATHY
WX9C	RIC
KD9IA	LARRY

TOPICS OF DISCUSSION WERE, REPEATER PAIRS ON 2 METERS. NELS HARVEY, WA9JOB (FREQUENCY COORDINATOR) TALKED ABOUT REPEATER PAIRS BEING SHORT IN THE LOWER HALF OF THE STATE. THERE WAS STILL ROOM FOR UHF REPEATER PAIRS. HE NOTED THAT REPEATER PAIRS ARE BEING SEPERATED BY 120 MILES AT THIS TIME.

"PL" PL IS NOT TO WIDELY USED, BUT W.A.R. IS TRYING TO PUSH PL ON REPEATERS SINCE REPEATER PAIRS ARE GETTING SO CROWDED. THERE MIGHT COME A TIME WHEN THE 120 MILE RANGE WILL HAVE TO BE SHORTENED AND PL WITH ME A NECESSITY. W.A.R. NOTED THAT ALL BUSINESS REPEATERS ARE ON PL.

W.A.R. NOTED ANY REPEATERS GOING TO A LINKING SYSTEM TO SEND LINKING INFORMATION TO W.A.R. FOR FILE INFORMATION ONLY...

W.A.R. HAS APPROVED THE APPLICATION TO LIST GREENBAY REPEATER 147.12/72 AS A WIDE AREA COVERAGE MACHINE.

OTHER TOPICS OF DISCUSSION WERE PROBLEMS WITH REPEATER GROUPS, SOME OF THE PROBLEMS ARE PERSONAL CONFLICTS AND THEIRS NOT MUCH W.A.R. CAN DO ABOUT THAT..

THE NEXT W.A.R. MEETING IS IN WAUPACA, WIS. IN JUNE. TIME AND PLACE TO BE LISTED IN A LATER NEWSLETTER...

LARRY SIEBERS KD9IA

## NETS

THE GREENBAY MIKE AND KEY CLUB HAS A 2 METER TRAFFIC NET ON WEDNESDAY NIGHTS ON THE 147.120 REPEATER. THE NET STARTS AT 8:45 P.M. AFTER THE FORMAL TRAFFIC IS TAKING CARE OF THE NET DIALS UP "NEWSLINE", WHICH HAS INFOMATION OF AMATEUR RADIO..

ALSO GREENBAY HAS A 10 METER NET GOING ON SUNDAY NIGHTS AT 9:00 P.M. AT OR ABOUT 28.400. THIS IS A RAG CHEWERS TYPE NET... ALL ARE WELCOME TO CHECK IN...

ALSO DON'T FORGET ABOUT OUTAGAMIE COUNTY A.R.E.S. NET WHICH MEETS EVERY WEDNESDAY NIGHT ON THE 145.150 REPEATER AT 9:00 P.M.

THE GREENBAY MIKE AND KEY CLUB WILL BE HELPING OUT WITH COMMUNICATIONS FOR THE MARCH OF DIMES WALK-A-THON WHICH WILL TAKE PLACE ON SATURDAY APRIL 25, 1992. THE EVENT WILL START AT THE ASHWAUBENON COMMUNITY CENTER. IF YOU WOULD LIKE TO HELP OUT WITH THIS EVENT CONTACT AL, KASIV AT 499-9535 FOR MORE DETAILS...

ALSO CONGRATULATIOS TO TOM CIHA, KB9EWK FOR RECEIVING THE "HAM OF THE YEAR" AWARD FOR THE GREENBAY CLUB, AT THERE ANNUAL SPRING BANQUET. TOM IS A REGULAR ON THE 147.12 REPEATER. APPROXIMATELY 80 PEOPLE ATTENDED THIS BANQUET..

## OTHER LATE BREAKING ITEMS

BOB, WD9HID WANTED TO PUT IN A REMINDER OF THE UP-COMING BOAT PARADE ON JULY 4TH. IF ANYONE IS INTERESTED IN COMMUNICATIONS FOR THIS EVENT PLEASE LET MARTHA OR BOB KNOW.

\*\*\*\*\*

CONGRATULATIONS TO CHAD PENNINGS (SON OF WAYNE PENNINGS) WHO UPGRADED TO TECH AT THE MARINETTE TEST SESSION..

\*\*\*\*\*

# Lakeshore Hamfest & Computer Swapfest Manitowoc County Expo

Intersection of Hwys 42-151 and I-43 on County Hwy R (Follow signs to the Expo Center)

## Saturday, May 9, 1992

- › Doors open at 8 a.m.
- › Open for vendors at 7 a.m.
- › Accommodations for vendor drive-ins
- › FCC amateur exams
- › For more information, call
  - Lou (414) 682 - 2557
  - Bob (414) 684 - 5352
  - Ron (414) 793 - 4733
- › Call - in repeater frequencies  
146.61- or 147.03 +

*Hamfest Camping Available*  
Contact  
Manitowoc County Expo Center  
414 - 683 - 4378

Send reservations to:  
Mancorad Radio Club  
P.O. Box 204  
Manitowoc, WI 54221 - 0204

Please Include  
a  
S.A.S.E.!

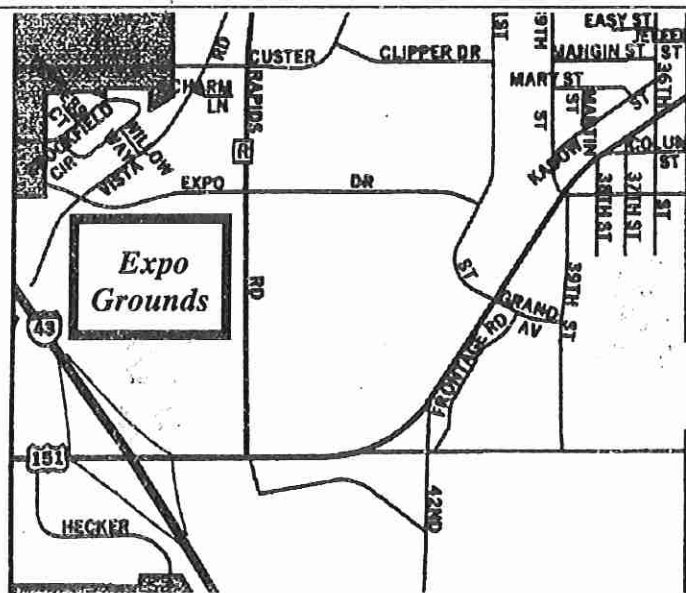
Name: \_\_\_\_\_  
Street: \_\_\_\_\_  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

\_\_\_\_\_ Advance Admissions @ \$2.00 each\*  
\_\_\_\_\_ Reserved 8' Tables @ \$3.00 each  
\_\_\_\_\_ Electric Outlets @ \$5.00 each

TOTAL \_\_\_\_\_

\*Admission \$3.00 at the door

<b>EXAMS</b>	Novice	Technician
	General	Advanced
	Extra	



# HAM AND SPICE THE PHONE BBS FOR AMATEURS



HAM AND SPICE JOIN FORCES WITH THE  
WISCONSIN AMATEUR CONTEST ORGANIZATION (WACO)



CALL US  
727-3686

WACO AND HAM AND  
SPICE PLAN TO  
HAVE THE CANADA  
& US CALLBOOKS  
ONLINE BY MAY.  
THE SYSOPS FOR  
HAM AND SPICE  
ARE RANDY WJ9I  
AND GARY KB9AIT.  
WACO IS A ARRL  
AFFILIATED CLUB.  
AND IS OPEN TO  
ALL AMATEURS  
WHO CONTEST IN  
THE FOX CITIES.



CALL US  
727-3686

Submitted by:  
 Michael Kresila  
 Box 57  
 Marion OH 43302

# P U Z Z L E

11. Unit of magnetic intensity or magnetizing force equal to one gilbert in one centimeter.
12. The pitch, duration, or both of a tone sensation.
13. A glow lamp that produces intense flashes of light when fed with timed voltage pulses.
16. Above.
17. A device used in some mechanical television systems to modulate a light beam with television signals.
18. Standard screw-thread base used for electric lamps.
22. Also called a needle.
24. A unit of loudness.
25. Short for address system.
28. The ease with which an alternating current flows in a circuit.
30. Breathing device.
32. Potential difference or voltage.
34. A cathode-ray tube developed in England.
35. The superposition of one image onto another (e.g., in the formation of an interlaced scanning raster).
36. The positive nucleus of the hydrogen atom.
5. Variations of a chemical element, each having the same atomic number but differing in atomic weight.
6. A device that contains and delivers power to move a control.
7. Eastern Standard Time. Abbr.
8. A loading.
9. The Stationary plates of a variable capacitor.
14. A number which, when multiplied by itself a number of times, equals a given number.
15. Elementary unit of storage.
19. Electrically charged atom or group of atoms.
20. To stop a flow.
21. An alloy wire used in precision wire-wound resistors because of its low temperature coefficient of resistance.
23. The part of a transmitter that translates the densities of the elemental areas of the subject copy into signal-waveform.
24. An opening that supports and electrically connects to vacuum tubes or components when they are inserted into it.
26. The spring fastened around the drum to hold the record sheet or copy in place.
27. A rotatable device on which one or more pretuned circuits are mounted for use in all-wave receivers.
29. Identical pair.
31. An array of antenna elements, one above the other.
33. Negative. Abbr.

ACROSS

DOWN

1. Sudden current or voltage changes in a circuit.
4. Used in the grid circuit of a vacuum tube to provide a necessary voltage.
10. The unit of luminance.

1. A chemical element used as a rectifier layer in metallic rectifiers.
2. Any system of control performed from a distance.
3. Level.

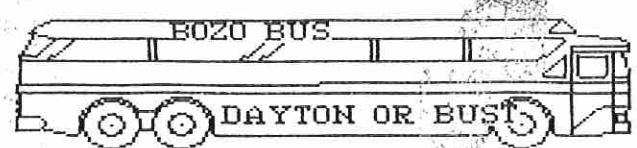
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									31				
32		33					34						
35								36					

ANSWERS  
 IN  
 NEXT MONTH'S  
 ISSUE



# MEMBERS PRESENT

- 1. LARRY SIEBERS KDSIA
- 2. KAREN THORNE WB9ZNA
- 3. JAMES WIENZBA WB9OJE
- 4. MARTHA SCHMEICHEL N9JAD
- 5. LES PARDEE KA9MPP
- 6. GREG CHESLOCK N9NCT
- 7. BOB GELLETTE W9EYT
- 8. BAMBI POHLMAN N9NCS
- 9. RON POHLMAN AA9AP
- 10. MIKE CLEMENT WR9P
- 11. RON HAMEISTER VISITOR
- 12. MIKE BEHRENT N9NCR VIS.
- 13. BRUCE CARLSON N9MDE
- 14. JIM DEAL W9GIU
- 15. DON ALESCH
- 16. KEITH WICKERT W9DKY
- 17. DICK SONNENBERG W9UVZ
- 18. JASON HANSON N9LEA
- 19. JACK BIGELOW KA9JOL
- 20. GERRY RADTKE WA9GON
- 21. JEFF STRONG KA9YYQ
- 22. HUB GEREND W9OUT
- 23. GARY KEATING ND9Z
- 24. JEFF SCHMEICHEL KB9BYF
- 25. MARK HEIMMERMANN KF9CS
- 26. GARY HOEHNE KB9AIT
- 27. MARK MICHEL W9OP
- 28. JOHN WODER N9MXX
- 29. VON REAGAN
- 30. JOHN KAISER KD9BC
- 31. BOB NEIMY KB9HLA
- 32. RALPH BALLINGER N9ECS
- 33. MOLLY SEIBERLICH GUEST
- 34. SCOTT JOHNSON GUEST
- 35. BOB KALLIO N9NUP
- 36. JOHN KALLIO KB9ENN



----JACK, KA9JOL NOTED THAT THERE ARE STILL SOME SEATS AVAILBLE ON THE BUS. \_\_\_\_\_NOTE\_\_\_\_\_THERE HAS BEEN A CHANGE OF PLANS. THE BUS WILL BE LEAVING FROM SHENANIGANS SUPPER CLUB. THE NITE BEFORE WILL BE A BOZO GET TOGETHER AT SHENANIGANS 6:00 COCKTAILS, 7:00 DINNER. THE BUS WILL BE LEAVING AT 7:00 A.M. SHARP THURSDAY MORNING. THE SUPPER CLUB IS LOCATED IN SHERWOOD.

## QST RENEWAL

PLEASE REMEMBER TO INCLUDE YOUR CLUB NUMBER WHEN RENEWING YOUR QST. THE CLUB GETS A \$2.00 FOR EVERY RENEWAL. YOUR CLUB NUMBER IS 2132 AND IS LISTED IN THE BANNER OF EVERY NEWSLETTER.

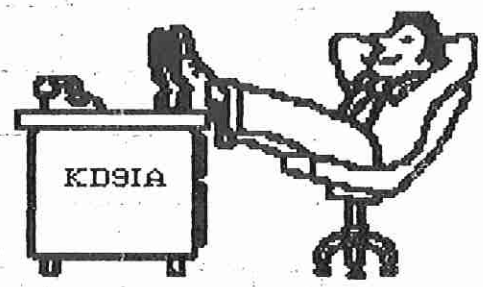
## NEXT MONTHS PROGRAM

WILL BE A PRESENTATION ON "THEDA STAR".

## NEW CLUB MEMBERS

PLEASE WELCOME THESE NEW CLUB MEMBERS, TAKE SOME TIME TO INTRODUCE YOURSELF. THE NEW CLUB MEMBERS ARE:

- KB9HKY   TRIXIE DORSETT
- W9BCC    FRANK GUTH
- WR9P     MIKE CLEMENT
- VON REAGAN JR.
- N9NNM    JOHN BUTITTA
- DON ALESCH JR.



HOPE YOU NEW MEMBERS ENJOY THE CLUB ACTIVITYS. FEEL FREE TO PARTICIPATE IN ANY OR ALL CLUB ACTIVITYS.

RESPECTIVILY SUBMITTED BY:  
LARRY SIEBERS   KDSIA  
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