

THE FOX CITIES AMATEUR RADIO CLUB

QSO'ER



Club Station "W9ZL"

318 East Brewster Street
Appleton, WI 54911
ARRL Club #2132

Special Service Club



September 20, 1993

Volume 9, Number 2

OFFICERS

President:			
Myron Jackson	WB9BBI	739-9680	
Vice President:			
Bob Cleveland	WD9HID	725-7694	
Secretary:			
Mark Heimmermann	KF9CS	749-9024	
Treasurer:			
Les Pardee	KA9MPP	766-1750	
Membership Coordinator:			
Jeff Schmeichel	KB9BYP	731-7338	
Members at large:			
Donald Dean	N8IOJ	729-1377	
David Sachs	AA9GF	738-1892	
Martha Schmeichel	N9JAD	731-7338	

The Fox Cities Amateur Radio Club "W9ZL" meets on the 3rd Monday of every month. The meeting place is Roosevelt Junior High school. Meeting time is 7:00 P.M.

This is an invitation to anyone interested in attending a Board Meeting. The Board meets on the 4th Monday of every month at Cinder's West in Appleton.

QSL INFORMATION

Jack, KA9JOL is the club contact person for all QSL information. Give Jack a call if you need help finding a call. He will return all messages. Jack's number is 766-3861.

You packet lovers can find the North American Call Book on CD-ROM at Bob's (KA9JAC) station. His packet station is on 144.970 MHz and 145.650 MHz. You can also call him at home, 722-0881

SEPTEMBER'S PROGRAM

September's program is the inter club auction. The auctioneer for the evening is Wayne, WD9FLJ. Everyone is invited to bring their favorite or least favorite stuff.

THANKS

Thanks to Mike, KN9P/YN0YN and Mark, W9OP for telling us about their adventures on the Korn Island DX-pedition. It surely makes one appreciate the time and money they put forth so we can enjoy our hobby. Thanks Guys.

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MIKE'S FIRESIDE CHAT

Have you ever been a member of an organization that seemed to go nowhere? You probably joined the organization because of expectations you had, but they never materialized, and you soon quit going to the meetings. Have you ever felt kind of aimless in your own personal life at some point. Maybe there was a question of goals and purpose and some time needed to be spent in clarifying them.

It seems that in the life of an individual or in the life of an organization, if some goals and purposes are not clarified, this aimlessness persists and soon members choose to let their membership lapse.

Your board of directors for the FCARC has been looking at our goals and objectives. In light of our membership and a recent influx of new members, we believe that there are many expectations out there for this club. We have tried to make the membership aware of opportunities for involvement in club activities but still some expectations may continue to go on without satisfaction. We don't want this to happen.

Probably the greatest worth of any organization is realized and is in proportion to a persons involvement, but on the other hand it may still seem that something is missing. So what are we doing about it?

One of the main messages of this article is to solicit, from members, ideas that will make this club more worthwhile to you. I have received letters from members who have made suggestions for activities and projects, ways to be more vibrant and sometimes just to gripe. I welcome all of these letters because it creates an awareness on the part of the leadership about what is good and what is not so good with the club.

Next month I will include a list of some of the suggestions produced during a brainstorming session at our last board meeting. We may still have missed some ideas so would you please jot down some of your own and send or give them to any board member for future discussions. We may have missed some of the obvious. You know the "couldn't see the forest for the trees" line.

The second part of the equation, of course, is to become involved in some areas of interest even if it appeals to a small segment of the membership. If evaluating and making judgement is your bag, go for it. I can handle all kinds of criticism and in large amounts of it depending on two things. (1) Who it comes from and (2) How it is presented. Like any organization, there are many who are very involved and yet see ways to improve. It's easy to take criticism from them because you know they will work toward improvement. Griping without contributing doesn't rank as high and luckily represents only a few. Certainly we have way to improve and hopefully we have many members who are willing to help make us more successful. Jump in, make suggestions, get involved.

Hey, anyone interested in a club picnic/get together/campout. We are scheduling such an event at the J & L Industrees farm Oct. 23. That is a Saturday, Saturday evening or overnight if you like. There is a big camp area, community fire

pit, cabin for those who do not like the hard ground. The facilities are rustic but adequate. No running water, or electricity or indoor plumbing, but what the "hey". We will have hay rides, play horse shoes, roast corn, jawbone, walk in the woods, or volleyball. The directions and details will appear in the October newsletter.

Thanks for the great turn out at the corn roast at Plamann Park on August 29th. Attendance was about 60 including kids and spouses and from the smiles and discussions, all had a good time. Lots of good food, socialization, fox hunting, and radio talk. Special thanks to Bob (WD9HID), Greg (W9IEI), Martha (N9JAD), and Mark (KF9CS) for the special jobs you handled in making this event a success.

The fox hunt was fun and once again allowed some of us an opportunity to improve our skills. Some enjoyed the penny hunt, the water balloon toss, butter on our shirt fronts, over eating and all the rest. Look forward to this event next year at the same location. Next year we will have signs to follow and take the guess work out of the travel.

Attaboy awards this month once again demonstrate that we have lots of people working in our club. Three of these fellow hams are people who took an active role in the organization and development of the EAA event. These people are Chad Pennings (N9PRC), Maury Mead (W9FBC), Bob Cleveland (WD9HID). These three along with Wayne Pennings (WD9FLJ) took the leadership roles in stringing up antennas, setting up the shacks, working public relations and many other tasks that made the function a success. On behalf of the club we say thanks.

The corn roast and associated activities was a tremendous success also. Mark Heimmermann (KF9CS) one of our resident fox hounds is another recipient of an attaboy award this month. The location of the fox was udderly confusing. He designed the hidden fox and this time without any talking except for identification. A dead carrier for a few seconds and then dead fox for a few seconds. That was a new twist for a neophyte like me. You would see people walking fast for awhile and then standing still for a few seconds. Good job Mark.

This month we need an attagirl award, or an attaboy, girl award. Martha Schmeichel (N9JAD) helped to make the park available through good timing, spent hours filling water balloons, counting candy and getting this show on the road. Thanks Martha for all of those tasks you are willing to do to make this club a success.

Be sure to remember the auction for the program at the September meeting. Wayne will be in good voice and the bidding should be hot and heavy. Bring that old gear and junk...it should be fun and exciting.

Keep up the good work fellow hams and continue to develop that enthusiasm and involvement.

Mike WB9BBI

MEETING MINUTES

The August meeting was called to order by Mike Jackson, WB9BBI at 7:00 P.M.. The meeting was held at Roosevelt Jr. High School.

APPROVAL OF MINUTES

The minutes were read and approved.



TREASURER'S REPORT

Balance as of the August meeting was \$2411.79
In addition, the hamfest fund of \$ 600.00

The treasurer's report was presented and approved by the membership.

COMMUNICATIONS

OUTAGAMIE ARES:

Jeff, KB9BYP, We are working on a simulated emergency test around the middle of October. The emergency test could include flood, chemical spill or earthquake. We'd like to get something together between Winnebago, Calumet and Outagamie Counties. A new ARES member joined the crew, N9UFP.

Remember the ARES net Wednesday evening at 9:00 p.m. on the 146.76 repeater. Everyone is welcome to check into the net. You do not have to be an ARES member to check into the net.

WINNEBAGO ARES:

Bob, KA9JAC, I don't really have much to add for Winnebago county. The Winnebago county ARES net meets on the 147.24 repeater in Oshkosh every Sunday evening at 7:00 p.m. And anybody that wants more information on the Winnebago County ARES you can get a hold of KA9JOL.

PUBLIC SERVICE COMMUNICATIONS:

Bob, WD9HID, I still need people to help with the 27 mile marathon on October 10th. The marathon starts at 9:00 and the walkers start at 7:00. You do not have to be signed up to operate at these events. Be at Mary's restaurant on South Oneida street about 6:00 or Contact Bob, WD9HID, if you are interested in helping with this event.

WAPR:

Bob, KA9JAC, there are alot of the new amateur radio operators around and new people have shown up on my packet BBS system. I don't know most of the people. If someone is

interested in packet, just getting started, checking into the BBS or runs into problems you can get ahold of me or drop me a note on the system. I'd be happy to help you. Anyone that wants to support packet radio in the state of Wisconsin should join the Wisconsin Amateur Packet Radio Association (WAPR). WAPR maintains the main backbone that gets all of the information into or out of the BBS system. For anyone interested in joining, the dues are \$15.00 a year. Get ahold of me and I'll get you an application. The \$15.00 a year also includes a subscription to the Badger Smoke Signals.

OLD BUSINESS

The club is awarding 2 \$100.00 scholarships for this next school year. We know this is not much but it's a step in the right direction. Along those same lines, Karen - N9SDA, Greg and Judy's daughter, has been awarded a \$1000.00 scholarship by the West Allis Amateur Radio Club. Karen is a junior at UW Oshkosh. She operates mobile and portable on 146.76.

Congratulations, that's quite an achievement.

VHF ASSOCIATION

Jim Sheets, K9OQO thanked the Fox Cities Amateur Radio Club for the donation of \$200.00 to support the associations repeaters. The VHF association now has 3 repeaters, 146.16-146.76 MHz, 144.73-145.33 MHz and 448.65-443.65 MHz. The board of directors for the Fox Valley VHF Association include: Jim K9OQO (treasurer), Larry KD9IA, Greg W9IEI, Wayne WD9FLJ and Rick WX9C. The dues for the association are \$20.00 for an individual or \$25.00 for a family. That's pretty cheap considering the privileges that we have with it.

NEW BUSINESS

PUBLICITY COMMITTEE:

Dan N9LV5, a couple months ago people were talking about how we can promote the club a little bit more. Well, I've got a situation where we can put our own little program on cable access. Cable will let us take the cameras, controllers, the whole nine yards and produce it from square one. Anybody interested, see me after the meeting. Some of you have noticed that on cable TV we have a little spot that runs every five minutes or so. We have gotten a few calls from people who have seen the advertisement.

NOVICE CLASS:

Novice classes will be given again this fall. I'd like to have a meeting next week if at all possible on August 31st, 7:00 p.m. at Madison Junior High School, Room 210. It's where we had classes last year. There are a few people who are interested this year who were not involved last year and I think that's great. We would like to have more people involved. We had five last year and that was a great improvement over a couple years before. Anyone who is interested in helping with the novice classes this fall give me, Mike WB9BBI, a call.

FOX HUNT

This was not one of your typical fox hunts. Things for the fox started out on shaky ground. I have heard rumors of people starting an hour early (Larry) but one of the hunters actually saw the fox come out of his den 2 weeks in advance. Lucky for the fox that hunter didn't place any importance on that chance meeting. The fox's den was under the East end of the college avenue bridge, pushing the limits of hunt boundaries. This fox thought he was going to be a sly one and cross band between 446.555 and 147.555. Things were looking good.

The day of the hunt was at hand. At 6:30 p.m. the fox dragged the radio, battery, antenna, swr meter and duct tape to the top of the hill. Diligently the fox duct-taped the radio, battery and cables to the under side of the bridge. The mag-mount antenna was placed about 15 feet out and 15 feet above ground (or 1 foot below the bridge). Always wondering what would happen if someone would call in a bomb threat to the police department (do they allow cross-banding from jail?). Things were still looking good. It's ten minutes before the hunt, time to return to the truck for some cookies and soda.

NOT. Soon the fox heard people reverse banding through his radio. OH NO. The fox was going to be found before getting to eat his cookies. So, back up the hill. We'll fix those hunters. Let's change the input frequency to a 446.275. The fox made a few quick checks and everything worked fine. That was done and now back down the hill.

At the bottom of the hill it was time to start the hunt. The fox sent out the call "This is the fox for the Fox Cities ARCFox Hunt. Do we have any hunters ready to check in?". The first hunter to come back was Frank KB9GI and Jim N9RWM. Things were going great. The fox asked Frank "How's my signal?". Frank came back again checking in. No signal report though. Oh well, the fox asked again "Hey Frank how's my signal?". Frank came back again checking in. OH-OH. Something is not right. The fox listens for a bit and starts to hear a lynch mob forming on 147.555. They were talking about doing things to the fox he never thought possible.

So its back up the hill again! The fox could be heard for blocks yelling back at the YL bring this, that and the other thing. Finally back at the top of the hill under the bridge the fox is frantically tearing apart the carefully placed duct-tape. All the time no more of this #\$\$%^\$ cross banding, here I sit.

Finally the fox is on the air about 10 minutes late. There was quite a list of hunters out their looking for the fox. Being a sly fox, the fox decides to give out his usual worthless hints. One of the hints was "I am sitting in a pool of sweat". Seemed harmless at the time because of all the running up and down that hill the fox had perspired. Later the fox realized how close he was to Mead Swimming Pool. Boy this is one dumb fox. After that things settled into place.

The first hunter to find the fox was Larry KD9IA. Then Gary, ND9Z and Kathy, N9FZL found the fox. Gary was

crossing the College Ave bridge when his gizzy box did a complete 180 degree switch. He said, "they're either right below or above us". The third hunter was Gerry, WA9GON. Who is this guy? He never checked-in. Just happened to be in the area a likely story. Here is a list of hunters and their relative times.

1. Larry	KD9IA	0:17
2. Gary	ND9Z	0:27
2. Kathy	N9FZL	0:27
3. Gerry	WA9GON	0:40
4. Dan	N9LVS	0:50
4. Chuck	N9OEQ	0:50
4. Bill	N9TNW	0:50
5. Jim	N9RWM	0:53
5. Frank	KB9GI	0:53
5. Alice	yl	0:53
6. Wayne	WD9FLJ	0:58
7. Chad	W9PRC	0:60
8. Barney	N9UGD	1:21

The next Fox Hunt is September 16, 7:00 p.m. on 147.555.

UNDER CONSTRUCTION

Bruce, N9MDE told us about a project that he has worked on. It was a transmitter built from parts he obtained from an old television set. One of Bruce's goals in amateur radio is to not spend alot of money.

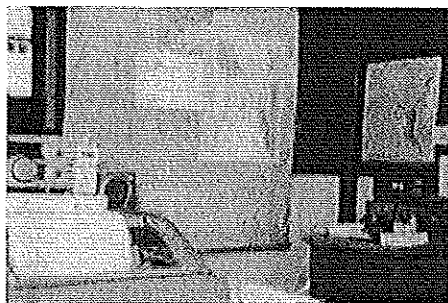
Greg, W9IEI told us about a project that he spent a couple weeks on. (hi hi). It was a simple ground plane vertical for UHF. The cost is about \$1.50 for the BNC connector from Radio Shack. The antenna can be made from brass rods or if you are frugal (cheap) like Greg coathanger wire. Anybody that's interested in building contact Greg.

HAMFEST

The Fox Cities Hamfest is coming quickly. The Hamfest is the biggest event the club sponsors. It also generates the greatest amount of revenue for the club. The Hamfest is the main reason our club can support the local repeaters and sponsor the scholarships. Please participate in this year's Hamfest. Give a call to the Hamfest Chairperson Dan, N9LVS.

Dan, N9LVS, the hamfest is November 7th as you saw in the flyer and currently we have 58 tables reserved. This beats the number of tables sold last year. I've got ads going in QST, CQ, 73 magazine and a quarter page ad going in Badger Smoke Signals in October. Anybody interested in helping at the hamfest let me know.

EAA '93 WRAP-UP



To try to do some stats on numbers of contacts etc. for an operation like ours at Pioneer Ham Shack is really an injustice. It is however, a way that we can measure our effectiveness in keeping in touch with those hams who could not be at the fly-in each year. Gone are the days of wretched contest type operating as in the past. And yet, part of the past (in the form of a Bell System model 15 teletype) helps us to mold our place in the future operations and becoming a working part of the exhibit of LNR otherwise known as "Lone Rock Flight Service". It really feels good to be "part of" the Pioneer Airport crew at the EAA. And, judging from all of the comments by this year's volunteer operators... an enjoyable experience too!

Now, for you statisticians..... here goes....

856 people signed our visitor's log
 193 contacts were made on single sideband
 102 contacts were made on teletype
 35 contacts on FM (we try not to do this one)
 20 contacts were made via CW
 Originated 9 Radiograms, delivered 31 messages on site.

Special thanks go out to all of the operators; Mike WB9BBI, Bruce N9MDE, Eric KB9DYG, Helen WD9CYW, Larry KD9IA, Karen WB9ZNA, Judy N9PBM, Mike WR9P, Courtney KB9IJJ, Dan N9LVS, Dave W9NWX, Mark KF9CS, Rick WX9C, Bill N9TNW, Gerry WA9GON, Greg N9NCT, Maury W9FBC, Bob WD9HID, and Chad N9PRC. I'd also like to thank Chuck N9OEQ, Don KB9HRQ and Don's wife for their help in setting up and tearing down the station. All of the 22 operators will be receiving commemorative W9ZL Operator buttons.

I want to remind all of the people who worked the station, helped or helped out in anyway, that the QSL party and cookout will take place Monday, September 13th starting at 5:00p.m. It will take place at Erb park. We will take the first available tables and when we are done we can scoot over here and do our QSLs. I have a grocery shopping bag full of QSLs. The rain date for the QSL party is Thursday, September 16th. Please bring a dish to pass like a dessert or salad. The club will provide refreshments, hotdogs, brats and burgers.

TEST SESSIONS

Sept. 15, 93 West Allis, Wis.
 Sept. 25, 93 West Allis, Wis.
 Sept. 25, 93 Tomahawk, Wis.
 Oct. 2, 93 Racine, Wis.
 Oct. 9, 93 Oak Creek, Wis.
 Oct. 9, 93 Madison, Wis.
 Oct. 9, 93 River Falls, Wis.
 Oct. 20, 93 West Allis, Wis.
 Oct. 30, 93 West Allis, Wis.
 Nov. 6, 93 Racine, Wis.
 Nov. 6, 93 Menomonie, Wis.

The next test session sponsored by the Fox Cities ARC will be in October. A date has not been set yet, but one will be announced soon. The session will be held at James Madison Jr. High School. This session may be a night session. We are trying to work the session with the national testing date being held at the end of October. For more information contact Larry (KD9IA) at 788-3823.

ARRL/VEC

TEST SESSION REPORT

Appleton, Wis. August 7, 1993

	1A	1B	1C	2	3A	3B	4A	4B
Pass	2	1	1	10	11	1	1	0
Fail	1	5	3	0	3	2	0	0
Total	3	6	4	10	14	3	1	0

Total Elements Passed 27
 Total Elements Failed 14
 Total Elements Given 41

UPGRADES

Novice	0
Tech (Codeless)	7
Tech W/HF	5
General	0
Advanced	1
Extra	1
Total Upgrades	14

Total candidates served at this session was 21.

Thanks to these VE's who gave their time for this session:

W9MDP George Croy Liaison
 NZ9Z John Meyer Manitowoc
 N9LEA Jason Hanson
 ND9Z Gary Keating
 KD9IA Larry Siebers Contact
 N9AYN Gerald Clusen
 K9DHR Ade Van Der Burgt
 KF9CS Mark Heimmermann

Information provided by:
 George Croy W9MDP
 Fox Cities VE Team Liaison.



WANTED

- Want to buy or rent an 8mm and a super 8mm movie projector.

Contact: Don Dean, N8IOJ 729-1377

FOR SALE

- Kenwood TH2500 ht and two battery packs.

Call Rick, WX9C at 735-9557

WANTED

- Looking for a 5 to 10 ft. piece of micro cord four conductor braided shielded wire.

Call Dale Michthler, WB9YCO at 766-0354

FOR SALE

- Cushcraft AV-5 vertical 10-80 meters.

Contact George Croy at 832-6276 (school)

WANTED

- Pillsbury Bake-Off cookbooks and also interested in Pillsbury Classic Cookbook collection. Any year (especially prior to 1975 - bake off 1 through 26).

Contact Kate Dean, xyl of N8IOJ at 729-1377

FOR SALE

- Commodore 128 with disk drive and Printer
- Commodore 64 and Printer. Great for packet.

Contact Mike, WB9BBI at 739-9680

WANTED

- newer 2 meter base station and/or 2 meter HT

Contact Bill, N9TNW at 739-6827

WANTED

- 440 HT

Contact Don, N8IOJ at 729-1377

FREE

- Code instruction program and records

Call Hal, NQ9F at 984-3557

FOR SALE

- Heath/Zenith H158 XT Compatible, turbo 4/8 Meg clock speed, NEC V20 processor (replacing Intel 8088), 640K RAM, 1 serial port, 1 parallel port, 2 360K 5.25 drives, Real Time clock, 20 Meg hard drive, CGA or Composite Output, Composite Amber monitor. A firm price of \$650, but the system can be reconfigured to a lesser price.

Contact Frank, N9BPO at 722-3336

FOR SALE

- ICOM IC-2SAT, 2 meter HT, includes PL, fully opened for both transmit and receive.
- BP-82, BP-85 (12volt)
- BC-72 1 hour charger, BA-12 adaptor for 1 hour charger

Contact Don, KB9HRQ at 727-4759

FOR SALE

- VFO 120 - remote VFO for Kenwood TS-120 \$90.
- INVERTER - 12 Volt-DC to 120 Volt-AC 150 watts \$40.

Contact Greg, W9IEI at 739-5056

WANTED

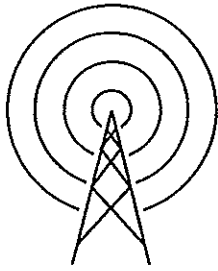
- MFJ 1278 Multi-Mode TNC. Does not need to be the latest EPROM version. But must be in good working condition. Must be reasonable.

Call Wayne at 739-2392

CORN ROAST '93



Bob sampling the eats. A lot of people showed up for the corn roast. Everyone had a great time with some great food. We are sorry if we missed you at the corn roast. Hope to see you in 94. Mike did you ever get to eat?



ON THE BANDS

Sep 13 to Sep 18 Miss America SE, Atlantic City, NJ
 Sep 16 to Sep 19 National Air Races SEt, Reno, NV
 Sep 17 to Sep 19 University of Maine ARC SE, Orono, ME
 Sep 17 to Sep 19 Jesse James Festival SE, Kearney, MO
 Sep 18 to Sep 19 North American Sprint, Phone
 Sep 18 ARC SE, Newark, OH
 Sep 18 Winesburg Fall Fair SE, Clyde, OH
 Sep 18 Antique Steam/Gas Engine SE, Irwin, IA
 Sep 19 to Sep 28 VK9, Mellish Reef
 Sep 24 to Sep 25 Ft Delaware SE, Pea Patch Island, DE
 Sep 24 to Sep 26 Agricultural Fair SE, Durham CT
 Sep 25 to Sep 26 Cranberry Festival SE from Monroe
 County ARC, WI
 Sep 25 to Sep 26 Scandinavian Activity Phone Contest
 Sep 25 to Sep 26 CQ World-Wide RTTY DX Contest
 Oct 3 RSGB 21/28 MHz SSB Contest
 Oct 16 to Oct 17 JARTS WW RTTY Contest
 Oct 16 to Oct 17 QRP ARCI CW QSO Party
 Oct 30 to Oct 31 CQ World-Wide DX Phone Contest
 Wake Island WH9/KC6CEX, 1422 KHz, 1309Z
 Cambodia XU6WV, 18080+14194KHz, 1130-1400Z
 XV7TH, 14195KHz, 1400Z
 Mongolia JT3SDX, 14025-14030 KHz, 1300Z
 Chagos VQ9QM, 18069 KHz, 1530Z
 Qatar A71A, 21201 KHz, 1530Z
 Somalia T5/N3HQW, 20-15-10 meters, Sep-Feb
 Ghana 9G1XA, 3505 KHz, 0500-0600Z
 9G1XA, 7023 KHz, 2330-0100Z
 Saint Paul Island CY9R, 7009.5 KHz, 2148Z

MISSING IN (no) ACTION

Some of our members have been listed as missing in action. Please do not follow the same path as those (NO) ACTION individuals. Always remember to check your mailing label. It shows when your membership expires. Check before you are listed as MISSING IN (no) ACTION.



53109
 Fox Cities ARC Member N9AAA-KB9ZZZ
 JOHN & JANE DOE
 6009 N. BIG BEAM AVE.
 MOON BOUNCE, MT
 12345

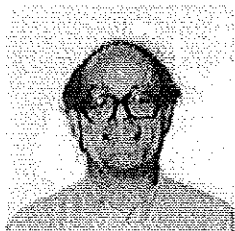
MEMBERS AND GUESTS PRESENT

1. Mark Heimmermann KF9CS
2. Les Pardee KA9MPP
3. Bob Cleveland WD9HID
4. Mike Jackson WB9BBI
5. Bob Bain N9LDA
6. Bob Gillette W9EYT
7. Tom DeWitt N0TVF
8. Frank Eggert KB9GI
9. Steve Fleming KA9ZCF
10. Neil Geiger KB9CGP
11. Bill Vincent N9TNW
12. Martha Schmeichel N9JAD
13. Jeff Schmeichel KB9BYP
14. Bill Niemuth KB9ENO
15. Dave Sachs AA9GF
16. Jim Sheetz K9OQO
17. Jim Prunty KX9M
18. Hub Gerend W9OUT
19. Bob Kallio N9NUP
20. Arlen Van Der Leest N9QKT
21. Bob Gedemer KA9JAC
22. Jerry Clusen N9AYN
23. Mike Ortlieb KN9P/YN0YN
24. Mark Michel W9OP
25. Gerry Radtke WA9GON
26. Jason Maxham ---
27. Jim Eggert N9RWM
28. Maury Mead W9FBC
29. Pauline Cleveland WD9GRL
30. Wayne Pennings WD9FLJ
31. Ade Van Der Burgt K9DHR
32. Helen Borree WD9CYW
33. Kate Gerend N9TPM
34. Mike Clement WR9P
35. Russ Cook N4PPZ
36. Jason Hanson N9LEA
37. Dan Bayer WB9QFX
38. Barney Hameister N9UGD
39. Greg Schneider W9IEI
40. Judy Schneider N9PBM
41. Courtney Clement KB9IJJ
42. Karen Thorne WB9ZNA
43. Gloria Root N9SVB
44. Dan Vanevenhoven N9LVS
45. Vern Root N9RQM
46. Ed Immler KC6RDQ
47. Richard Kosiorek WX9C
48. Bruce Carlson N9MDE
49. Curtis Kruzel N9UFV
50. Sarah Hameister ---

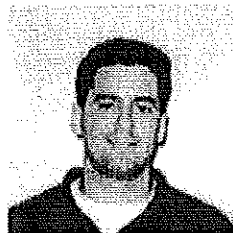
NEW MEMBERS



Please greet the following new members:



Ed Immler
KC6RDQ



Tom Dewitt
N0TVF



Kate Gerend
N9TPM



Judy Schneider
N9PBM



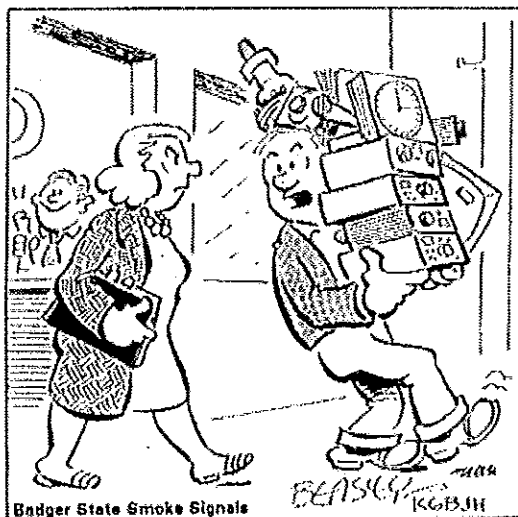
Steve Fleming
KA9ZCF



Nathan Fleming

CALENDAR OF EVENTS

September	20	FCARC Club Meeting (Auction)
	16	FCARC Fox Hunt 147.555 @ 7:00 P.M.
	25,26	Radio Expo, Grayslake Hamfest
	27	FCARC Board Meeting
October	3	Diabetic Walkathon
	4	Newsletter Deadline
	10	Fox Cities Marathon Kettle Moraine Hamfest Waukesha Hamfest
	18	FCARC Club Meeting (Fox Hunting)
	23	Picnic, Hayride, Bon Fire, ...
	25	FCARC Board Meeting
November	1	Newsletter Deadline
	7	FCARC Hamfest VE Testing Kaukauna
	15	FCARC Club Meeting (RTTY)
	22	FCARC Board Meeting
December	6	Newsletter Deadline
	20	FCARC Club Meeting (Social)
	27	FCARC Board Meeting
January	3	Newsletter Deadline
	9	Waukesha Hamfest
	15	FCARC Awards Dinner
	17	FCARC Club Meeting (Paper Chasing)
	24	FCARC Board Meeting
February	7	Newsletter Deadline
	21	FCARC Club Meeting (Repeaters)
	28	FCARC Board Meeting



Badger State Smoke Signals

I HATE TO JUST WALK OUT OF A RADIO STORE WITHOUT BUYING SOMETHING?

NEWSLETTER COMMITTEE

Wayne - WD9FLJ
EAA

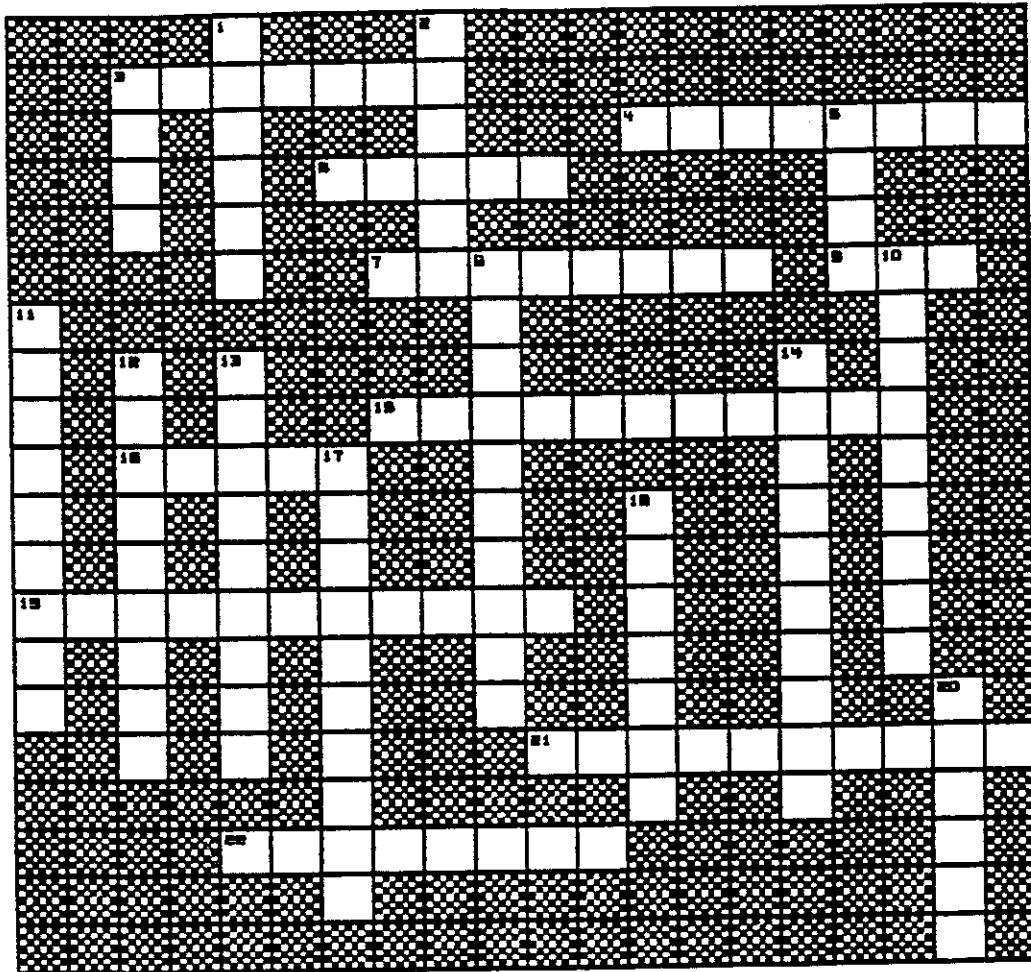
Rick - WX9C
Technical

Larry - KD9IA
VE Testing

Mike - WB9BBI
Mike's Fireside Chat

Bob - N9NUP
Production & Support

Mark - KF9CS
Editor & Minutes



ACROSS CLUES

- 3. A POWER SUPPLYS FILTER RELIEF
- 4. A FREQUENCY THAT MAY BE A DOUBLING OF THE FUNDAMENTAL
- 6. AN ELECTRICAL DEVICE THAT ALLOWS ELECTRONS TO PASS ONLY IN ONE DIRECTION
- 7. A PACKAGE OF MATERIAL THAT OPPOSES ELECTRON FLOW
- 9. WHICH METER BAND IS SET ASIDE FOR R/C CLUBS AND MOST AMATEUR RADIO R/C ACTIVITIES
- 15. THE RECIPROCAL OF RESISTANCE (1/R)
- 16. AMERICAN NATIONAL STANDARD CODE FOR INFORMATION EXCHANGE
- 19. A DEVICE WHERE TWO OR MORE COILS OF WIRE HAVE MUTUAL INDUCTANCE.
- 21. AIR, MICA, PAPER, CERAMIC, MIGHT SERVE THIS ROLE
- 22. THREE RESISTORS SIDE BY SIDE SHARING ELECTRONS AS THEY STRIDE

DOWN CLUES

- 1. THREE RESISTORS END TO END ELECTRONS FLOW ALL IN A ROW
- 2. AN ELECTRON TUBE CONTAINING THREE ELEMENTS
- 3. A RATE IN TELETYPE AND COMPUTER WHERE THE SMALLEST PULSE LENGTH IN DIVIDED INTO "1"
- 5. A LAW THAT EXPRESSES AN ALGEBRIAC RELATIONSHIP BETWEEN VOLTS, OHMS, AMPERES
- 8. AT RADIO FREQUENCIES PRACTICALLY ALL CURRENT FLOWS WITHIN A FEW THOUSANDS OF A CONDUCTORS SURFAC
- 10. THE COMBINED EFFECT OF A RESISTANCE AND A REACTANCE. MIGHT BE A REALISTIC EXPERIENCE
- 11. GOLD, SILVER, COPPER, IRON, MERCURY MIGHT SERVE THIS ROLE
- 12. A REACTING INTER-RELATIONSHIP THAT MAY EXIST BETWEEN A CAPACITOR AND A RESISTOR
- 13. A GATE WHERE THE OUTPUT IS "1" OR WHEN A SINGLE INPUT IS "1"
- 14. A COIL OF WIRE, ENERGY STORED IN A MAGNETIC FIELD, ALTERNATING CURRENT, MAYBE AN IRON CORE
- 17. THE GENERAL LAYER ABOVE THE EARTH THAT IS RESPONSIBLE FOR REFLECTING RADIO WAVES
- 18. CONTAINS THE ARROW POINT IN A BIPOLAR TRANSISTOR
- 20. TWO DISCRETE STATES OF "0" AND "1"

FCARC HAM & COMPUTER FEST '93

SUNDAY, NOVEMBER 7, 1993

STARLITE CLUB KAUKAUNA, WI

SPONSORED BY: FOX CITIES AMATEUR RADIO CLUB

AMATEUR RADIO, COMPUTERS, SWAP TABLES, VE TESTING
AND MUCH, MUCH MORE.

Do to a sell-out in 92, this HAM of a FEST is expanding in
93, to better suit vendors and FEST goers. DON'T MISS OUT!

Tables \$5.00

Admission \$3.00

For more information on tables locations available, table
reservations or special rates on local lodging write to

General Information
Dan Vanevenhoven
N9LVS
2410 E. Newberry
Appleton, WI 54915

VE Testing
Larry Siebers
KD9IA
(414) 788-3823

FCARC HAMFEST '93

c/o Dan Vanevenhoven N9LVS
2410 E. Newberry
Appleton, WI 54915

Name _____

Address _____

City _____

Phone _____

I would like _____ table(s) at \$5.00 each.

Total due is \$ _____ .00

For specific needs on table(s) (power, etc.), call Dan Vanevenhoven N9LV
at (414) 739-5101.