

August 2001

Central Illinois Radio Club  
P.O. Box 993  
Bloomington, IL 61702-0993

President: Rick Kempf, WD9HRU  
309-828-8054

Vice President: Larry Mays, KB9NPH  
309-827-8183

Secretary: Dean Lacy, AA9BS  
309-452-4309

Treasurer: Floyd Hofmann, W9EX  
309-452-3612

Newsletter Editor: Norman Huber, N9ZKS  
309-378-4674

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CIRC Minutes of meeting 7/25/01

Officers Present: Rick WD9HRU; Pres. -- Dean AA9BS ; Sect.

Members with Health Problems: Floyd W9EX; Andy K9IKR; Paul N9PE;  
Keith AC9S.

12 Members in attendance. One new Member for the Club Troy Shealy  
KT4SO. Welcome to the CIRC, Troy.

Discussion about Club Cook Out and Operating Station scheduled 08/18/01,  
at Maxwell Park in Normal, IL Rick to Furnish Radio; Dean Power Supply;  
Elden to bring APRS operating Station; 34/94 to be Fox Hunting Freq. (34  
Fox freq.) and Club to furnish Pop, Potato Chips, & Eating Utensils,  
Members to bring a Covered Dish and or meat to Cook Out. Any one  
wanting to bring equipment for display or sell will be welcome.

Minutes for meeting 6/27/01 approved.

Question about Club Antenna being used by Members. No one had any  
objections.

No reports on repeater operation and Emergency Drill available.

Chuck N9RZV to notify Peoria and invite them to attend our meeting  
07/18/01.

Norm N9ZKS advised Lincoln invited the Club to hold a meeting in their  
Town along with a Fox Hunt.

12/01/01 Lincoln Wx (ARRL) will have a Special Event Station operating  
00Z to 2400Z with Demonstrations. Station Call Sign will be WD9CIR.

Chuck N9RZV motion to adjourn, Second by Steve WB9WNK, Meeting Closed

Members watched a Video of Field Day's held in the forties and later, narrated by Floyd W9EX and Chick W9OBN. This was enjoyed by all.

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### Nets in the Area

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Monday 9:00 P.M. 146.730 123.0 PL Open Net  
Tuesday 7:00 P.M. 146.910 Tazwell County ESDA Net  
Tuesday 9:00 P.M. 146.940 CIRC Open Net  
Wednesday 9:00 P.M. 147.060 Open Net Has Newline  
Wednesday 9:00 P.M. 442.250 123.0 PL ARES Open Net  
Wednesday Varies 147.100 Trader's Net follows  
ARES Net on 442.250  
Thursday 9:00 P.M. 146.760 Open Net with Newline  
Thursday 9:00 P.M. 146.895 North central IL Traders Net  
Sunday 8:30P.M 147.075 Open Net with Newline  
Mon / Fri 9:00 A.M.(Local) 14.247.5 Displaced Peorians Net  
Sunday 8:30 AM Local 1815 kHz 160 m AM net  
(Please help me correct this list. I know it's not up to date at this time. Norm N9ZKS)

### Blomington-Normal Area Repeaters

Freq	Callsign	Location	PL
145.390	N9EZJ	Lincoln	
145.430	KD9F	Gridley	103.5
146.790	K9CYW	Bloomington	
146.940	W9AML	Bloomington	
147.015	NX9M	Normal	88.5 (open*)
147.150	WD9FTV	Bloomington	103.5(open*)
147.345	K9ZM	Lincoln	
442.700	WB9UUS	Normal	107.2 (open**)
443.325	KE9HB	Congerville	107.2
444.350	W9EX	Bloomington	107.2
444.975	N9FZF	Normal	136.5

\* Repeater is currently in open mode with pl for those with QRM

\*\* Repeater RX with tight carrier squelch and loose tone squelch (107.2)

### Local DX Packet Cluster Information

Bloomington Access and Transport node BMIDX1 (N1SF) 144.91 1200 baud  
Bloomington PacketCluster node BMIDXC (K9CW2)  
Connections to the network are made by first connecting to BMIDX1 then  
connecting to BMIDXC or K9CW2

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The Central Illinois Radio Club is having a Pot Luck Cook-out!  
Will include a Fox Hunt and informal Special Event Station.  
We would like to welcome all hams and interested visitors, and show off  
our hobby!  
When: Saturday, August 18, 2001  
Time: 12:00 Noon till Park Closing Time  
Where: Maxwell Park, Normal, IL (Near Normal West HS)  
A complete operating station will be set up for Members and Visitors  
If you have any questions contact Dean Lacy, (309) 452-4309  
Talk-in Frequency is the 146.340/146.940 Repeater.  
See you there!

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### Red Cross Disaster Drill Invitation

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The Red Cross has contacted us and asked us to participate in the  
disaster drill to be held September 22. We would be performing our  
communication function. The drill will start officially at 10 A.M. and  
last 4 to 5 hours.

A tabletop session for the Red Cross participants will be held on  
September 10th from 5:30 P.M. to 7:30 P.M.

The scenario is an air disaster involving a downed airliner at BMI  
Airport. The Red Cross has been tasked with tracking disaster victims so  
they will need to have people at the various hospitals, and the  
locations where family and news media people will be to provide up to  
the minute information.

The accident involves an airliner taking off and experiencing trouble  
and crashing when attempting to return to the airport so there will be  
"family and friends" at the airport needing to be informed as to  
condition and location. There are also "family and friends" at the other  
end of the flight who will be demanding information.

We are looking to find out who can help with this and I see it as a chance to develop the methods we would use if the real thing would ever occur.

I have invited the Red Cross contact (Brad Bryant of HP) to our cookout Saturday.

Let me know who would like to participate and who would like to head up the response, as I will be doing 12 hr days at Braidwood by then.

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## FOR SALE

ALINCO DJG1T 2M HT

\$115.00

Tx: 144 mhz - 148 mhz

Rx: Air and expanded UHF bands

1.5w (7.2v) or 5w (13.8v)

Includes:

Case, plus extra 7.2v bat (new)

Drop in Charger

Dry cell pack

Speaker Mike

Sale by: Larry Mays KB9NPH - 827-8183

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## NEW CALLSIGN FOR SF CLUB STATION

Vanity callsign WX9WX issued to N1SF Radio Club for the State Farm Illinois Regional Office amateur radio station which was issued KB9ZJY through the "Club callsign program" administered by the ARRL. The vanity callsigns were applied for directly, at <http://www.fcc.gov/wtb/uls> using Netscape 4.7 (required by the FCC) and JAVA, and paid electronically (\$14) by credit card (128 bit encryption required for the secure link).

Time from application to issuance - 18 days.

73,

Gary -AB9M-

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## BLOOMINGTON EXAM DATES

Following is the schedule for W5YI-VEC Amateur Radio exams for the year 2001 at the Bloomington Public Library. Setup is from Noon to 1:30 normally. Exams begin as listed. Questions may be directed Keith Hanson.

Please bring two forms of identification. You must have Social Security Number. We cannot administer a test without SSN. You will need a copy of your Current license plus any CSCE you want to apply.

Bloomington Public Library  
205 E. Olive  
Bloomington, IL 61701

Remaining dates for the year 2001 (Walk-ins are welcome)

Nov 10

The testing is being headed by Keith, AC9S.

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## MORTON EXAM DATES

Following is the schedule for W5YI-VEC Amateur Radio exams for the year 2001 at the Morton Public Library. Setup is from 11 to Noon. Exams begin at noon but registration is typically from 11:45 to 12:30. Questions may be directed to Bob Davis (AA9MY) at 309-263-8620 (Day) or email to redavis@dpc.net

Please bring two forms of identification. You must have Social Security Number. We can not administer a test without SSN. You will need a copy of your Current license plus any CSCE you want to apply.

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Morton Public Library  
315 W. Pershing  
Morton, IL 61550

Remaining dates for the year 2001 (Walk-ins are welcome)

Sep 16 (Peoria Superfest)

Oct 20

Dec 15

There will be VE testing at the Peoria SuperFest on Sunday September 16,

2001

Testing at the Fest will begin at 10:00 A.M. Walk-ins are welcome.

AND YOU THOUGHT THE BUTTONS ON YOUR HT WERE SMALL

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### BIG BREAKTHROUGH IN TINY SWITCHES

Researchers at Hewlett-Packard were granted a patent last week for a breakthrough in the quest to develop computer chips made of individual molecules. HP's patented process could help create microchips as powerful as next-generation silicon chips, but 1,000 times smaller and less expensive. Parts of some molecules can be made to swing open or shut, making the molecules themselves switches.

According to HP researchers Stan Williams and Phil Kuekes, molecular-scale switches can be connected with chemical "wires" that are just 6 to 10 atoms wide. They've also found a way to make the molecular systems run, even with the imperfections found in nature.

The patent was awarded to Williams and Kuekes for a chemical process and computer program that create an order to the molecular system and enable it to be mapped like a city grid. The map would let the brains of the computer know where information is being stored.

"We think it's sort of the only serious solution so far that's manufacturable," said Kuekes. "If this is to become a commercially viable technology, we have to be able to do this on a mass-production basis."

Visit <http://link.abpi.net/1.php?20010726A3> for more information.

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### ROBO-FARM

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Just watch out when they start using this method to drive the grain trucks!

Technology is not only a major part of urban life - now it's made its way onto the farm. Carnegie Mellon University (CMU) in Pittsburgh has

developed the Demeter, a robotic hay harvester that may make farm hands obsolete.

Demeter is a revamped Hollander 2550 Speedrower with a GPS sensor and two color cameras for navigation and detection of cut and uncut rows. It can plan harvesting operations for an entire field, then cut crop rows, turn to cut other rows, reposition itself, and detect unexpected obstacles in its path. The robotics researchers at CMU also want to make Demeter even smarter by infusing it with the skills of an expert human operator.

That skilled operator would simply have to harvest a field once, allowing a lesser-skilled operator to play back the original "program" at a later date. The Demeter is close to being commercialized by Case New Holland, which plans to include the robotic technologies in their new HW340 hay harvester. Eventually it will be part of Case New Holland's complete product line.

Why the need for the robo-harvester? According to the CMU researchers, "Human performance is a key limitation in the efficiency of harvesting."

Visit CMU at <http://link.abpi.net/l.php?20010726A5> .

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## WEATHER FREQUENCIES

<http://www.galstar.com/~kbrews/radio/il-e.html>

Illinois North and East

NOTE: When in doubt, try PL 107.2 on Chicago area repeaters

LOCATION	FREQ	DUP	NOTES
Belvidere	147.375	+	Boone Co.
Rockford	147.195	+	Winnebago Co. SKYWARN
Naperville	443.050	+	Naperville EMA (Du Page Co.)
	147.510		Simplex, backup
McHenry/Crystal Lk	145.330	-	Mc Henry Co.
** Chicago	145.210	-	
	147.060	-	backup
	147.060		Wx RTTY and emergency voice

\*\* Chicago NWS 442.975 Net Coord NE Illinois  
 145.350 Net Coord NE Illinois  
 Libertyville 147.180 + PL 107.2 Lake County ARES/RACES  
 Bolingbrook 147.330 + Bolingbrook Skywarn  
 Part of Wheaton multi-county  
 \*\* Peoria 146.760 - PL 103.5 Peoria County and  
 vicinity  
 (incl. Peoria Co.) 444.200 + Areawide: multi-county  
 146.970 - backup for 146.76  
 146.850 - backup for 146.76  
 Lincoln 147.345 + NWS Lincoln monitored  
 \*\* Macomb 147.060 + McDonough, Hancock Cos  
 \* Canton 147.285 + Fulton County RACES  
 \*\* 147.555 packet 16-county distribution point for  
 text  
 of watches/warning messages  
 Metamora 147.270 + Woodford County  
 Tremont 146.910 - Tazewell County  
 \*\* Wasco (Kane Co.) 145.470 - Weather Net  
 146.580 147.66 Backup to 145.470

#### Miscellaneous Public Safety Systems

10-County Weather Net 45.560 Net Control is NWS Lincoln  
 Counties are: Fulton, Knox, Marshall, Mason, McLean,  
 Peoria, Schuyler, Stark, Tazewell, Woodford.  
 Winnebago Co. (Rockford) 155.115 County ESDA (and animal control)

#### Miscellaneous Public Safety Systems (Cont.)

LOCATION	FREQ	DUP	NOTES
	154.130		Countywide Fire Dept Spotters
Peoria County	154.295		Countywide WX Repeater
Champaign County	155.040		County ESDA
Tazewell Co. (Tremont)	155.820		County ESDA
Tazewell Co. (Tremont)	155.070		Countywide spotters
	155.820		backup for 155.070



Illinois Statewide Systems:

- 155.025 Emergency Services Mutual Aid Radio Network (ESMARN)
- 155.055 Illinois Radio Emergency Access Channel (IREACH)
- 45.440 Statewide ESDA Net
- 42.500 Illinois State Police statewide car-to-car. District offices transmit weather info/watches/warnings here.

AM Radio

WMBD, Peoria, 1470 kHz

NOAA Weather Radio

- 162.400 Springfield, Plano
- 162.425 Marion
- 162.450 Odell, Newton
- 162.475 Oregon/Rockford, Peoria
- 162.500 Crystal Lake, Watseka
- 162.525 Paris
- 162.550 Rock Island/Moline, Champaign, Chicago

Sources: Jeff Schroeder, CRF\_SCHROEJ@CRF.CUIS.EDU (10/92)

Mark Baert, baert@fnal.fnal.gov baert@fnal.bitnet (1/93)

Phil Fleming, fcesda@heartland.bradley.edu (5/93)

Jeremy Ruck, WW9C, ww9c@dave-world.net (2/97)

Jerome C. Berryman, kermit140@juno.com (4/98)

Michael Christman, mdxman@ntslink.net (5/00)

Troy Christensen, KB9WAU, KB9WAU@aol.com (02/01)

Matt, N9NPP, n9npp@n9npp.com (2/01)

kBrews Weather Spotting Frequency List

Western Illinois

LOCATION	FREQ	DUP	NOTES
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Morgan Co. 146.775 - Also Pike & Scott Co.'s

Greene Co. 145.23 +

\* Macoupin/Montg Co. 146.82 - Macoupin/Montgomery Co. Primary

147.475 + Macoupin/Montgomery Co. Alternate

145.23 + Macoupin Co. Alternate

Montgomery Co. 146.82 -  
145.23 + Alternate  
Christian Co. 146.955 -  
\* St Louis-East 145.11 + Metro-East Area/Monroe Co.  
443.00 + Metro-East Area  
\* Madison Co. 145.23 + Madison/Calhoun/Jersey Counties  
Primary  
146.79 - Madison County Alternate  
442.40 + Madison Co. Command/Control Net  
Greenville 147.165 + Bond & Fayette Co.'s  
146.415 Alternate, Simplex  
Fayette Co. 147.165 +  
145.23 + Alternate  
\* St. Clair Co. 147.12 + St. Clair County Primary  
145.11 + St. Clair County Alternate  
Centralia 147.27 + Washington, Clinton, Jefferson Co.'s  
145.11 + Alternate  
Marion Co. 147.27 +  
145.11 + Alternate  
Perry/Randolph Co.'s 147.09 +  
145.11 + Alternate  
Jackson Co. 146.565 -  
223.54 +

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NOAA Weather Radio  
162.400 Springfield  
162.450 Jerseyville, Chester, Kahoka, MO  
162.425 Marion, Princeton, Hillsboro  
162.475 Hannibal, Salem  
162.500 Macomb  
162.525 Jacksonville, West Burlington, IA  
162.550 St Louis, MO

source: Mike Redman, KA0YXU / WC0AAF, greetings1@juno.com (m g redmann)

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Thanks to each of you who sent in suggestions for possible meeting locations! We have several. Andy found us a room that will work out well

-- I visited it Friday evening, and chatted with the captain while there.

The room (address below) will hold 65 people, has tables & chairs, rest rooms, A/V screen, etc.

Take College Ave. to Blair Drive. Turn North next to the fire station, and

as Andy mentions, please park in the lot on the North side (about 8) or if

full, drive on toward the East and another 20 or so parking slots are there.

If that is full too, there's a connecting driveway going a bit further East

-- feel free to park in the church parking lot.

On the NorthWest corner of the building is a ground-floor door directly to

the training center room -- please use this entrance, so we're not disturbing anything going on at the fire station.

Please get this word out to all of your volunteers that will be attending

our September 10 meeting! Sorry for the change of location...

Also, by way of "good news", Andy Stubblefield has offered to take on the

role of "emergency services coordinator" for the chapter. He may be recruiting some helpers in the near future, to make initial and/or

follow up

contact with airlines, airports, fire stations, ambulance units,

hospitals,

etc.

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