



Short CIRCuits

April 2020

SERVING CENTRAL ILLINOIS AMATEUR RADIO SINCE 1921

IN THIS ISSUE

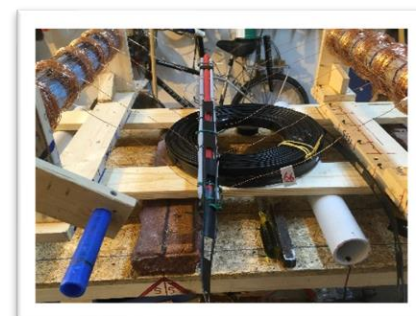
From The President

by Rick Suhadolc NgCKL

Again I am looking at the calendar, the Governor had issued his stay at home order on March 20, and here it is April 20, a full month, since we started this shelter in place. I know many of us have our Ham Radio equipment, and our immediate family to keep us company. However it sure would be nice to get back to normal. I have heard more conversations on the bands than I have heard in a long time. Some of us are now checking into three and four different radio nets every day. I hear 2m meters and

440 mhz chatter all times of the day and night. Our next meeting coming up this Wednesday will be our second Zoom Virtual meeting. With all of this time on our hands we all have the opportunity to further our Radio Hobby no matter what Mode, or Frequency it may take. Join us this Wednesday for our Second Virtual Meeting. (The invite was sent in another email)

Rick
NgCKL



A Fan Cage Antenna
Article by Tom Planer KJ9P

A Fan Cage Antenna

Article by Tom Planer KJ9P

The whole wire antenna is made out of #20 gauge bare copper wire.

The antenna consists of six pieces of #20 wire separated by 4 inches each. This provides a finished antenna width of twenty inches. The separators are also made out of #20 gauge bare copper wire.

These separators are installed at intervals of one foot each which keep the six antenna "elements" from getting twisted up. The separators are lead soldered in place using 60/40 rosin core solder. Each joint, however, was pre-brushed with solder paste to insure a good solder joint.

The design length for the 80 meter Flat Cage or as Grant Zehr refers to it as a TCATB antenna, (ask him next time you see him) was 130 feet long. With six solder joints per foot, that is a lot of joints to solder. If I could find my kalkulator, I could do the math. So far the testing of the antenna is going well.

Picture Number: Description:

- FC-1 Fixture fabrication device.
- FC-2 Typical antenna wire and separator solder joint.
- FC-3 2" PVC pipe fixture spacing device.
- FC-4 Finished antenna ready to connect to 450 ohm ladder line.
- FC-5 Close up of final connection of 450 ohm ladder line to the antenna.
- FC-6 Self un-winding fixture ready to hang the antenna.

FC-1



FC-2



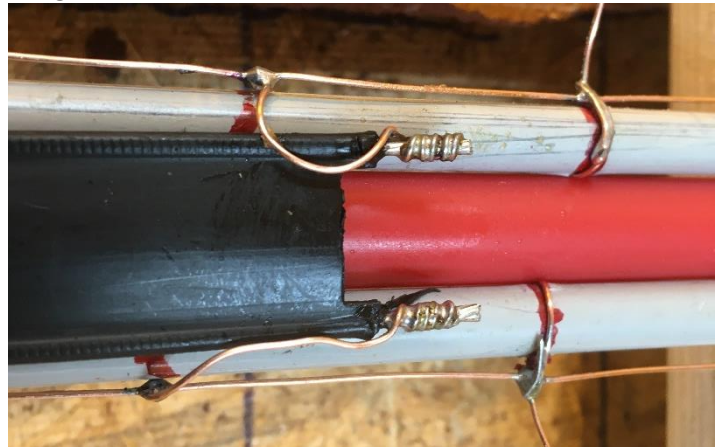
FC-3



FC-4



FC-5



FC-6



AREA NETS

Tuesday 8:30 P.M. 28.450
CIRC Open 10 meter Net

Tuesday 9:00 P.M. 146.940 (156.7PL)
CIRC Open Net

Thursday 8:00 P.M. 28.450
Vertical polarization is encouraged but not required

Sunday 08:15 A.M. 1.915
Open 160 meter AM net

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If you are wondering where all the nets are, it was brought to my attention that many of these are no longer in operation. I have left the ones the CIRC handles directly.

If you want another net listed, please send me an email directly and please verify it is a current net and I will add it to the list.

Jeff KC9QQm

Kc9qqm@gmail.com

AREA EXAM DATES

Following is the schedule for W5YI-VEC Amateur Radio exams for the year 2018. At the Community Room of the Bloomington Public Library located at the intersection of E. Olive St. and S. East ST. Entrance off of S. East St.

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

2020 dates;

5/25 *canceled 7/18 11/4

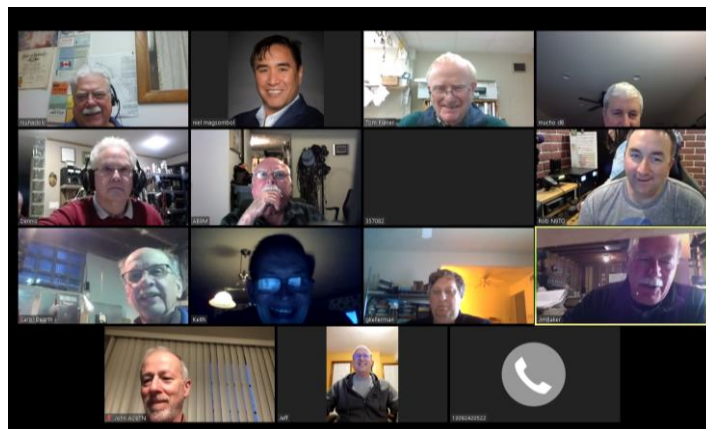
Exams' in Morton are held at the Morton Public Library, 315 West Pershing at 12:00 Noon the third Saturday of even numbered months and. Sep 21 (Superfest),

CIRC Meeting

Fourth Wednesdays of the month at 7:00 p.m. at the American Red Cross
1 Westport Dr.
Bloomington, IL 61704

The Metric currently scheduled for Saturday, June 13 is TBD. We are going ahead with basic planning, but only marketing by email and free posts to minimize costs in case we need to cancel. Paid registration will not begin until it is clear that the event can proceed safely. If it appears that we can't ride and eat together by June 13, then there may be sort of alternative solo ride event. Still very TBD.

Our first Zoom CIRC Club Meeting



Calendar of Events

Daily Coffee Klatch Monday thru Friday

**** The weekly Coffee Klatch has been moved to the 146.94 repeater for the time being. Remember the new PL is 156.7hz *****

9:00 a.m. at Dairy Queen Veterans at Cub's
XYL's Join the OM's Monday and Friday

Weekly 10 Meter Net

Every Tuesday evening at 28.450 MHz- at 8:30 p.m.

Weekly 2 Meter Net

Every Tuesday evening on the 146.940-repeater at 9:00 p.m.

Weekly 6 Meter Net

Every Thursday evening at 50.135 MHz at 7:00 P.M.

Weekly 160 Meter AM Net

Every Sunday morning at 1.915 MHz at 8:15 A.M.

CENTRAL ILLINOIS RADIO CLUB
P.O. BOX 993 BLOOMINGTON, IL 61702-0993

WEB PAGE

[HTTP://WWW.QL.NET/W9AML/](http://www.ql.net/W9AML/)

*President: Rick Suhadolc
(N9CKL)*

Vice-President: John Payne (AC9TN)

*Secretary: Keith Hanson
(AC9S)*

*Treasurer: Greg Kellermen
(KC9WVR)*

*Member at large: Grant Zehr
(AA9LC)*

Newsletter Editor: Jeff Lovell (KC9QQM)

The CIRC is a not-for-profit ARRL special service club whose purpose is to advance the service of Amateur Radio. Located in Central Illinois, the CIRC and its members welcome all to use the 146.94 repeater and to attend club meetings.

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75 Meter HF Traffic handling nets

NET / TIME	FREQ khz
NORTH CENTRAL PHONE NET	
M-F 7:00 A.M. central time	3912
ILL. PHONE NET	
M-F 4:45 P.M. central time	3857
SUN. 8:00 A.M. central time	3940
ILLINOIS SIDEBAND NET	
M-SAT. 6:00 P.M. central time	3905
75 METER INTERSTATE SIDEBAND NET	
DAILY 0100 UTC	3985
ITN INDIANA TRAFFIC NET	
DAILY 1230 UTC	OR
2200 UTC	3912

Short CIRCUITS

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