

Short CIRCuits

November 2019

SERVING CENTRAL ILLINOIS AMATEUR RADIO SINCE 1921

From The President

by Rick Suhadolc NgCKL

I would like to thank all the members that helped Ed Deutsch KC9GF safely reinstall his tower November 4th at his QTH near Lakeside Country Club. Ed now has a 7 element tri-bander back installed on a Rohn 45 Tower.

Dennis Mills KEgUA has posted on the CIRC Wire email a Fatal Tower climb in South America where two climbers (one died) while attempting to remove two sections of tower with a Gin Pole. The Workers had the two sections of radio tower supported on the Gin Pole when the Gin Pole failed. I could go into the many mistakes that caused this event, but instead need to remind everyone that Amateur Radio can be a Dangerous Hobby.

When we set up our equipment at Home or on others property the local Building Codes require us to obey the codes from the authorities having jurisdiction. The entire State of Illinois (including unincorporated areas) has adopted the NFPA NEC 70 and 70E codes. Under this NFPA Code System NFPA 70E Is the Standard for Electrical Safety in the Workplace. The Committee that formed the NFPA 70E Electrical Safety Code was started on January 7, 1976 and was formed to assist OSHA in preparing an Electrical Safety Standard that would serve OSHA's needs.

Under NFPA 70 E Informative Index J, A Job Briefing and Planning Checklist to be completed before starting any work:

1) "Identify" all Hazards. Including Hazards by others equipment.

- 2) "Ask" Equipment to be shutoff, and made safe.
- 3) "Check" all Safety Procedures
- 4) "Know" Who is in charge.
- 5) "Think" What can go wrong.
- 6) "Prepare"

For the worst case. CPR/AED trained? Who is in charge of dialing 911? Where is the Fire Extinguisher? Are radio communications available? Plan "B" what to

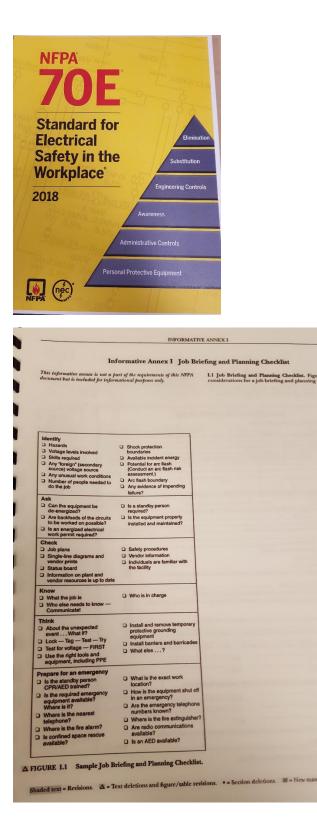
do if Plan "A" cannot be accomplished?

Please remember that the owners of towers and tanks that we ask permission to climb and install equipment expect us to be aware of all the hazards and act professionally when on their property. We should have a Safety Plan before starting any work. Rick NgCKL IN THIS ISSUE

Electrical Safety Article by Rick Suhadolc N9CKL

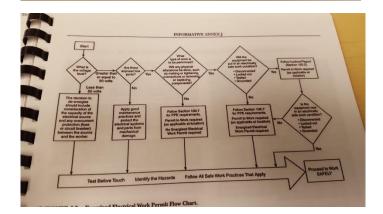
Electrical Safety

Article by Rick Suhadolc N9CKL



Phis informative annex is not a part of the requirement focument but is included for informational purposes only 1 Energized Electrical Work Permit Sample. Fij ates considerations for an energized electrical wo	y. gure 1.1 illus-	J.2 Energized Electric litems to consider when electrical work permit.	al Work Permit, I determining the n	Figure J.2 need for an
ENERGIZED ELE	CTRICAL WO	RK PERMIT		
PART I: TO BE COMPLETED BY THE REQUESTER:		Job/Work Order Number		
(1) Description of circuit/equipment/job location:				
(2) Description of work to be done:				
(3) Justification of why the circuit/equipment cannot be	de-energized or th	he work deferred until the next	scheduled outage:	
Requester/Title				
PART II: TO BE COMPLETED BY THE ELECTRICALLY (Date			
THE WE DE COMPLETED BY THE ELECTRICALLY (JUALIFIED PERS	ONS DOING THE WORK:	Check when	1
(1) Detailed description of the job procedures to be used	d in performing th	e above detailed work:	complete	
(2) Description of the safe work practices to be employe	sd:			
3) Results of the shock risk assessment:				
(a) Voltage to which personnel will be exposed				
(b) Limited approach boundary				
(c) Restricted approach boundary				
(d) Necessary shock, personal, and other protective of	equipment to safe	ly perform assigned task		
) Results of the arc flash risk assessment:				
(a) Available incident energy at the working distance				
(b) Necessary arc flash personal and other protective	e equipment to se	fely perform the assigned ta	sk 🗋	
(c) Are flash boundary				
Means employed to restrict the access of unqualified	persons from th	e work area:		
Evidence of completion of a job briefing, including di	scussion of any je	ob-related hazards:		
Do you agree the above-described work can be done a	safely? 🖸 Yes	O No (If no, return to rea	- juester.)	
Electrically Qualified Person(s)	Date			
Electrically Qualified Person(s)	Date			
III: APPROVAL(S) TO PERFORM THE WORK WHILI		LY ENERGIZED:		
Manufacturing Manager	Maintena	nce/Engineering Manager		-
alety Manager	Electrical	y Knowledgeable Person		-
eneral Manager	Date			
ace the work is complete, forward this form to the site	e Safety Departs	nent for review and retentio	n.	
ational Fire Protection Association			NEPA	TOF

Shaded text = Revisions. \Delta = Text deletions and figure/table revisions. *= Section deletions. \W



Swapmeet

Newsletter and Web Manager

1. Items submitted to me need to have a title, description, cost and how they can contact the seller. While I can put it out there, I cannot be the broker.

2. I will try and keep the web site and newsletter in sync but since the newsletter only comes out once a month it might have items in it that are sold. If you sell something let me know and I will remove it.

3. I do not want to say what can and cannot be listed but please make it worth the while, meaning some substantial items, not a box of coax for \$1.

4. Items will stay listed for 3 month and then be removed regardless if I get a notice or not. If you want to list it again, send me a new email.

So with that said and I certainly open to items and other things I have not thought up I will put the first item up for sale.

1961 Hammarlund HQ-145x - \$150 O.B.O. This is a broadcast to 30mhz receiver with a bandspread dial just for the ham bands. All bands work from my testing and it is cosmetically in pretty good shape. Bought it at Dayton this year and realized I just don't have room for it. Call or email Jeff at 309-310-1702 or kcoqqm@gmail.com

AREA NETS

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

Tuesday 9:00 P.M. 146.940 (103.5PL) CIRC Open Net

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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

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;

TBD

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

Regular Calendar of Events

Daily Coffee Klatch Monday thru Friday 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 <u>HTTP://WWW.QSL.NET/W9AML/</u>

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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