



The Radio Hill Gazette

A publication of the Schaumburg Ham Radio Club (SARC)
October 2017

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From the Editor

Happy Halloween to all. Looks like Fall is definitely in the air with the cooler temps. If you got antenna plans, better start getting the materials so you can work on it during the coldest part of the year.... Seems I hear this happens a lot.

Anyway, this past weekend was a busy one and the bands seemed to light up with the CQ World Wide DX contest activity. I'll be honest, I'm not much of a contester and prefer a little QSO when calling CQ, so I didn't participate a lot in some of these contests. Occasionally I will, and by all means I have nothing against them. So Saturday night I hung out on 40m PSK31 and had a good hour long QSO with KM6MJL in San Diego. The past day or two got me thinking about the miraculous band activity during these contests, yet outside of this time frame the activity can be rather low especially at night with the same usual players calling CQ. I know this has been brought up time and time again in various newsgroups and discussions, but just because HF propagation is low due to the sunspot cycle doesn't mean we can't communicate with others. Maybe the likelihood of making a DX contact is greatly reduced, but you know I'm happy to just to make a contact 500 miles away. The lack of activity can really be a huge turn off for new hams getting into this hobby. Think about it, a new general just spends \$600 or more on a rig, gets his antenna up and then finally decides to give it a whirl. After calling CQ for 20 minutes starts to wonder if his radio even works. The evening can be excruciatingly dead at times after 8pm, and remember the new hams probably have day jobs, so the only time they get on is probably after 8pm when the kids go to bed.

So I encourage everyone when time permits, get on the air at different times of the day. Take some of those propagation reports for a grain of salt. Who knows you might just stumble across a band opening to a new ham looking to make his first contact on HF. Try out a new mode too. I've ran into countless new hams running digital just because 35 watts did better than trying to work stations running linears on SSB.

Mike K9KQX

From the President

Work and travel have kept me away from my radio for a good portion of this month so my report will be equally short. It's actually more of a challenge. In the next month, try something new in ham radio. Here are a few ideas:

- Try a new mode
- Try a new band
- Build a simple circuit or project
- Operate portable
- Earn a certificate or award (you can earn a Worked All States certificate in a contest November 18-20)
- Open up a radio and look around, clean it up, or fix it
- Model an antenna

There are plenty of other things you can do in this hobby as well. I'll check in with everyone during the November meeting to see what new things we've come up with.

Matt
AC9IGMatt

W9DXCC

In early September I attended the regional DX convention, W9DXCC, at the Hyatt Regency in Schaumburg. The event has two days of lectures and forums all about DXing and contesting. Being that it is the 9-land convention there are plenty of hams who travel here from Wisconsin, Illinois and Indiana as well as some hams from outside the country. You might even run into hams such as the Icom America Division Manager Ray Novak N9JA, DX engineering's Tim Duffy K3LR who were both in attendance this



year. Over 200 hams attended during the two days. In the time between these sessions you'll be able to meet many of these "local celebrities."

The convention starts on Friday with DX University and Contest university. About a dozen sessions run two at a time throughout the day and you can pick and choose which ones you want to attend. I was unable to attend the Friday event this year, but in past years I learned how to get started in a RTTY contest, send and reply to QSL cards, use a coaxial stub to match an antenna, and make the most of a contest for filling out my DXCC and WAS logs.

One of the highlights for Saturday was a discussion from the leader of the upcoming Bouvet Island DXpedition Glenn Johnson W0GJ. The island is off the antarctic coast in the southern Atlantic. As Glenn puts it "there's no Radio Shack on the island." In fact, there's no one at all on the island except for an occasional research team that stops by occasionally. As the presentation explained, because there is nothing on the island, and it is very cold, you need to plan for and pack every contingency. Other things they need to consider are how to get to the island, there's no airport there so they've chartered a boat and helicopters. In addition to the cold, there's plenty of wind. That means you need to bring some fairly beefy shelters and special anchoring for all of your antennas to keep them held down to the snowpack. The amount of effort it will take to put the island on the air for three weeks at the end of January. Make sure you work them while they're there.

The night's keynote speaker was ARRL president Rick Roderick K5UR. He had a very entertaining and engaging speech. I will admit that some of the jokes about older equipment and the tubes they use went over my head, but they were well received. The core of his speech was a call to action in two different ways. One was to look at your local club and make sure it is making things happen. He suggests doing that by bringing in new members who may have different interests than ours. What does that mean? To paraphrase kids these days want to work the digital modes. He explained this quite well with a description of a speech that he recently gave to a high school technology class where he immediately realized that talking about working DX in CW was not getting their attention.

Next year's convention will follow a similar Friday and Saturday schedule and will again take place at the Hyatt Regency in Schaumburg. The dates are September 14 and 15. I highly recommend you mark it on your calendar and make an effort to go to next year's convention.

Oh, did I mention prizes? Over \$17,000 in prizes were given away on Saturday including three radios: an Icom 7300, a Yaesu FT DX 3000 and an Elecraft KX2.

Construction Project

Gary N9VU:

Next CP meeting will be Saturday, November 11th and November 25th from 8am till noon.

Location is at the Schaumburg Tennis Plus, 1416 Payne Rd, Schaumburg, IL

Previously reported cabinet cleanup completed and subsequent HamFest sales have provided over \$400 for the Treasury. There are several residual items that have been designated to become 'freebies' to club members in Good Standing. The RF Bridge, Grip Dip Meter, and Toroid transformer are the three remaining freebies currently located in the northern-most cabinet and awaiting pick-up.

Bring your kits, bring your radio repair projects, or just bring yourself. We might be able to pick your mind to help another with a project they are working on. Also we are looking for group project activities or workshops or presentations to add value and interest to the Construction project meetings. So if you have something you'd like to share please let Gary know. Some topics that have come up in the past, have been soldering techniques, Raspberry Pi's, Arduino controllers. Other topics could be assistance in using test equipment, building antennas, and techniques on troubleshooting electronics. So if you have something contact Gary at n9vu@hotmail.com



EMCOMM Bob Langsfeld WB9TZC reports:

We need radio operators with Schaumburg-Issued ID Cards to operate from the Schaumburg EOC on Sat Nov 4 from 10 am to noon.

They will be operating on SARC 2 the repeater output and taking check-ins and completing a questionnaire. Contact Bob to reserve your operation time.

ARES SET is scheduled for Thursday November 2 through Sunday Nov 5th

I plan on opening the Schaumburg EOC and the Hoffman Estates EOC for the Simulated Emergency Test.

NOV 3 17:00 to 21:00

The Hoffman Estates EOC will monitor 146.52 Simplex and be taking check ins.

NOV 4 10:00 to 12:00

The EM COMM team will operate 145.230 Simplex and 444.125 repeater +5 114.8 pl from 10 am on Saturday to Noon from the Schaumburg EOC and the Hoffman Estates EOC.

Lunch Break

NOV 4 13:00 to 14:00

At 1 pm regroup at the Hoffman Estates Police Department for a Message Handling training session lead by John Zietlow

NOV 4 14:00 to 16:30

At 2 pm we will use what we learned and send simulated emergency messages formatted in a modified IS-213 format, followed by a Hot Wash.

Send a message to SM, SEC and DEC,

This should conclude by 4:30 in the afternoon.

SENERIO

A massive communications area wide blackout has occurred. All normal communications channels and the internets are down. Commercial power is also out.

The Schaumburg and Hoffman Estates EOCs and the St Alexis Medical Center are running on emergency generator power.

Gasoline and Diesel Fuel are in short supply. (no filling stations with power)

Be ready with charged batteries. Note batteries may need to be recharged due to the duration of the outage.

However there are natural gas generators that do not have fuel supply concerns at some locations.

Be prepared to operate simplex. Most ham radio repeaters are not operational unless they are connected to an external generator like the EOC and Hospital.

NET CHECK IN

Please try to make contact on simplex Friday on 146.52 SARC 3 or Saturday using 145.230 SARC 2 (simplex on the repeater output). If you check in on the 2 meter repeater SARC 1 net control will ask you try to make contact on simplex. If unsuccessful than try the UHF Fusion repeater 444.125 SARC 13 The repeater is on emergency generator power.

Net control will ask for some information.

Are you on battery power, generator, or commercial power?

Do you have a home station? What bands can you operate?

Do you have a mobile radio? What bands can you operate?

Do you have a hand held radio? What bands can you operate?

Does your station have Winlink peer to peer capabilities?

Are you an ARES member and are you available to deploy?

PASSING TRAFFIC & MESSAGES

INFORMAL TACTICAL

The check ins will be informal format using a controlled net

FORMAL MESSAGING



Formal messages will be generated during the afternoon skills session using the format learned in the training segment.

SARC EMCOMM Members are asked to staff the Schaumburg EOC on Saturday from 10 to noon. Please contact Bob WB9TZO to set up who will be at the Schaumburg EOC.

HOFFMAN EMA Members please contact Bob WB9TZO to fill the Hoffman EOC operating schedule.

SARC MEMBERS and AMATEUR RADIO OPERATORS please check in on Saturday and attend the afternoon training and skills practice.

GOALS

- Establish relations with your served agencies.
- Conduct a simplex net
- Pass ten formal messages One to SM, SEC and DEC
- Make contact with neighboring counties
- Establish relay stations

Hoffman Estates/Schaumburg ARES EC
WB9TZO Bob Langsfeld

[Official Notice for Absentee Ballot](#)

Everyone,

Posting: Official Notification for Absentee Ballot Requests

Dear SARC Members in Good Standing:

If you expect to be unavailable for our November Business Meeting and wish to receive an Absentee Ballot, please respond to this email with your request.

I will provide you an Official Ballot as soon as Roger Ryan's W9RDR Nominating Committee has this year's candidates confirmed.

Frank Giampa N9QPD reminds me to include published procedures for this process:

Schaumburg Amateur Radio Club Procedure for Absentee Voting

Resolution Establishing a Procedure for Absentee Voting

Whereas, the By-Laws of the Schaumburg Amateur Radio Club (SARC) call for the Board of Directors to Specify a procedure for allowing for the absentee balloting for the election of officers and board members, Therefore, be it resolved that:

- 1: The Secretary shall be directed to publish yearly, in the October issue of the Radio Hill Gazette newsletter of SARC, a notice that requests for absentee ballots must be made in writing to the secretary, the address to which the requests be directed, and the deadline for receiving such requests. The notification shall also include the entire text of this resolution.
- 2: Requests for absentee ballots shall be made in writing to the secretary at least 16 days before the date of the Annual Meeting. Written requests may be given directly to the secretary, sent to the official club post office box or to another address selected by the secretary (none at the moment), as published in the Radio Hill Gazette, has to received 16 days prior to the meeting.
- 3: The Secretary shall verify the eligibility to vote of anyone requesting an absentee ballot. Absentee Ballots and return addressed, postage paid envelopes shall be prepared and sent out by first class mail via the United States Postal Service, 14 days prior to the annual meeting. A record of those requesting and sent an absentee ballot shall be kept by the secretary, and they shall be ineligible to receive a ballot the night of the elections.

[The Radio Hill Gazette, newsletter of the Schaumburg Amateur Radio Club](#)
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4: Upon receipt of an absentee ballot, members should mark the ballot appropriately and return the aforementioned ballot in the provided, pre-addressed, postage paid envelope. Ballots shall be mailed as to be received at least two days prior to the annual meeting, or presented in person at the meeting.

5: Ballots received by mail shall be left sealed until the night of the annual meeting. Ballots shall be given to the duly appointed ballot tallier, at which time, they shall be opened, and counted with the ballot of the general membership in attendance.

Regards,

Cliff Sowka K9QD

Miscellaneous activities / updates

Repeater updates - Kent W9KAO All cabling for the Plum Grove UHF machine is finished and will be installed in the ladder-way shortly. New shelving, Duplexer installed, Amp is in, needs small adapter for system attenuation and in final stages of assembly before installation. It's possible there may be a nearby cell tower that could allow us a node for machine control. Installing an antenna for such new cell system access would have to be hung only inches above grade and from below the narrow opening of the steel ladder-way structure if signal strength is sufficient and winter snow doesn't choke the RF path

President's Report - Matt AC9IG The Illinois QSO party is this Sunday (10/22) starting at noon. Everyone on air will be looking for you, which means you can be on the other side of the pile up. The exchange is simple, your county abbreviation (most likely COOK or DUPG). Others will send you their state for the exchange if they're not in Illinois.

Thanks to everyone who volunteered to help teach the tech class. We had 6 for the first week. We introduced them to ham radio and answered plenty of good questions about the hobby and radio in general.

Thanks to Dennis Calvey KD9HIK who donated a \$500 Flex Radio certificate that he won at W9DXCC to the club. We put it up for auction and Ken Krzywicki KD9HIK won it. We'll use the proceeds from the auction to sponsor at least one club member for next fall's W9DXCC convention. More details in the coming months.

Public Service - Rob N9MVO: Rob N9MVO: All Public Service events are over for the year

Social: Roger Ryan W9RDR. Described the reasons for moving the failed Lou Malnaitis pizza party to Elk Grove. Previously reported Oct 14th Lou Malnaitis 'Pilot Petes' event is still on plan but the venue has moved to Lou Malnaitis on Higgins Road in Elk Grove. That move was due to their Schaumburg location stating they were unable to accommodate our group unless a set food order with guaranteed head-count was provided. We only received 12 confirmations so the Elk Grove venue was cancelled.

Fall Field Day - Rob N9MVO: Rob is proposing to have a Fall Field day on October 21st, and 22nd. The idea is to do the same thing as we do in June, but no generators, QRP only, make it a smaller event with less effort. The weekend coincides with other HAM events/contests. JOTA, or Scouting Jamboree on the Air, will be active. The Illinois QSO Party is that weekend as well. So the bands should be pretty active for making contacts.

Education: Leo N9NBH reported his fall TECHNICIAN Class are underway. No-charge classes begin 10:30AM and end 12:30PM. Hoffman facility is where classes are being held; sign-up through the Schaumburg Library site. TECH classes started Oct 14th. All instructors confirmed.

Net Check-ins— Gary N9VU

SARC Net Check In's For Thursday, Oct 26, 2017:

The following hams checked in to the net this evening.

N9VU (Net Control)

AB9Q

KD9HIJ

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K9EYT
 W9RKK
 KB9RGU
 KC9NUV
 K9KQX
 W9KAO
 N9MVO
 K9NIB
 KB9QVX
 WQ9M
 KD9HOJ
 KE4GEN
 K9WIC
 AA5TN
 KD9HIK

Total Check Ins 17 plus net control
 Total Traffic passed 1

VE Testing Results

Tom Doyle, K9MF Reports
 NEXT EXAM: October 7th at Schaumburg Park District CRC;
 Results for Sept 2nd. 2017, test session:

NUMBER	NEW LICENSE	
CLASS	TESTED	UPGRADE
Technician	1	1
General	0	0
Extra	1	1
Total:	2	2

****TECHNICIAN****

Jack Sueis Jr KD9JLG

****GENERAL****

****EXTRA****

Virginia Kafka KD9HIL

All of us at SARC would like to congratulate all those that received or upgraded their license this month, and we welcome you to the amateur radio community. Hope to hear you on the air. Should you have any questions, come join SARC at our regular monthly meeting on the 3rd Thursday of the month or stop in at one of the Construction Meetings. Check the [SARC website](#) for times and locations.

Grounding Ham Radio Equipment

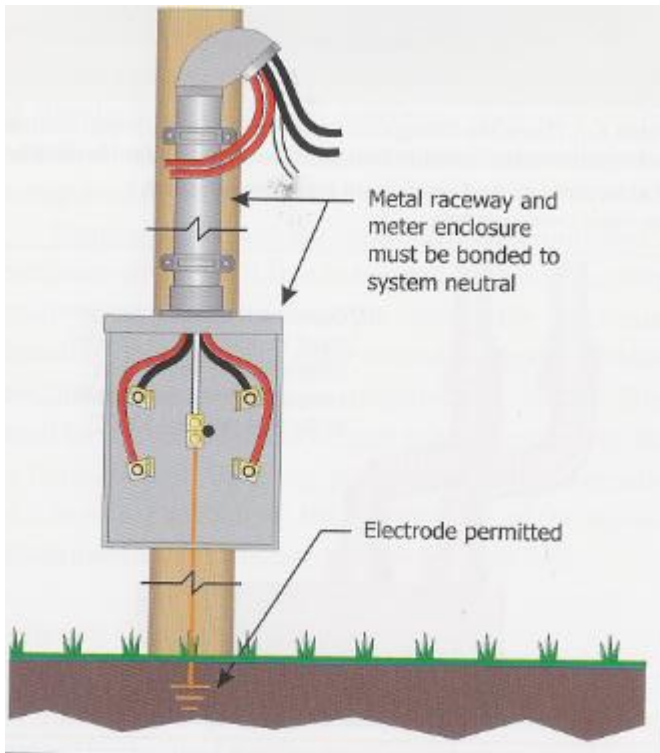
Cliff Sowka K9QD

Recurring dialog with club members reveals there is a need for quick tips in grounding Utility service and grounding Ham Radio shack equipment. Mel Luxenberg W9FRT is our honorary Doctor of Grounding and provided his knowledge of proper antenna grounding procedures on many occasions. I have to suffer through the annual Continuing Education Course credits necessary to maintain my *Class A* Electrician License and I found an opportunity to plagiarize a presentation provided by the International Association of Electrical Inspectors.



All equipment, equipment grounding lugs, and metal cabinetry should be bonded to a common ground point. Ground the equipment cases but not the internal supply wires. Notice the universal color code recognized throughout all North American jurisdictions: **Green** can only be used for equipment grounding and never for anything else. This requirement is simply to insure any future installer will always be confident that line cannot be anything else except a path to earth.

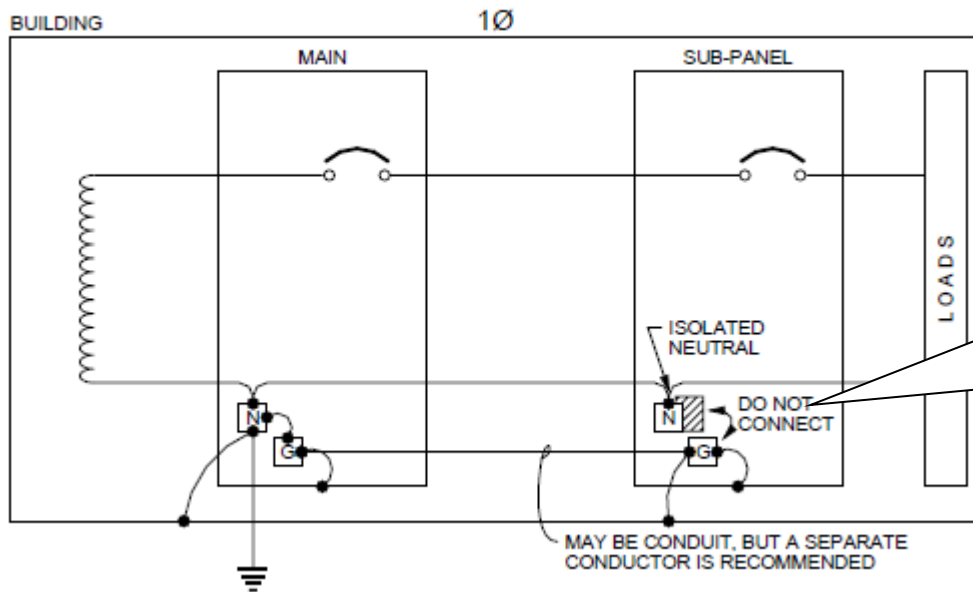
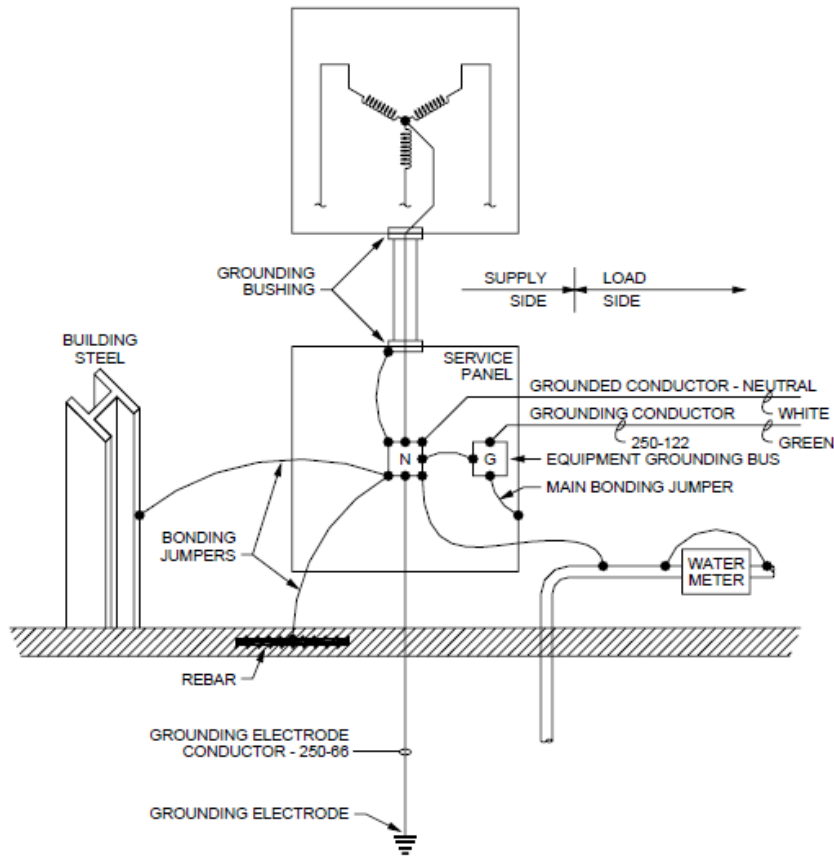
Electric Utility Service Entrance schematic looks like this. There is a grounding lug inside the Meter Case and a driven ground rod (found inside or nearby on the outside of the meter case) that bonds the electric service neutral leg and the metallic conduit piping system to earth.



Two different grounds are inside the meter case.

1. **Neutral Leg**
2. **Equipment Grounding Leg**

The **Neutral Leg** and **Equipment Grounding** schematic of the service entrance wiring will follow this basic approach: To confuse things a bit, these two legs will appear in the structure's main service panel as a single wire. That single wire becomes two different connections when the wires are drawn-out to the various drops in the building. Therefore the Grounding Lug is an important item to pay attention to.



CORRECT. This bonding jumper is **Not** populated. Could also be a missing **green** screw to be in compliance

Notice there are two panels shown here; the **main** panel has the Neutral bonding lug connected to the Equipment grounding lug with what's known as a jumper while **(IMPORTANT!)** the **sub-panel** downstream has that jumper removed.

There is a good reason for this jumper to be *depopulated* in **downstream** sub-panels but that discussion would require an entirely different and detailed treatise and won't be covered in this study... suffice it to say if this connection between the Neutral and Equipment bonding lugs is missing in your installation, then your service is derived from a *downstream* sub-panel. The missing jumper could be as simple as a missing **GREEN** screw **that isn't driven** into the metallic case. If that **green** screw is not there, then the Equipment bus is effectively and **properly** isolated from the metallic case as it should be.

From an RF grounding perspective, that isn't the end of the world but this *does* mean your effective earth grounding is somewhat lesser than it could be if your equipment panel had both buses tied together. The Equipment grounding lugs are still a good place to find earth ground for RF purposes.



Equipment grounding conductor size should be at least 14 Ga. NEC Code wants 8 Ga for lightning protection and you'll find 14 Ga or 12 Ga equipment grounding conductor size in all installations made during the past ~5 years.

For lightning protection in the Ham shack it's always a good idea to have that ground rod tied to the electrical service ground. That way the whole house and antenna lines are all at the same potential.

Grounding Bus for your Radio Bench

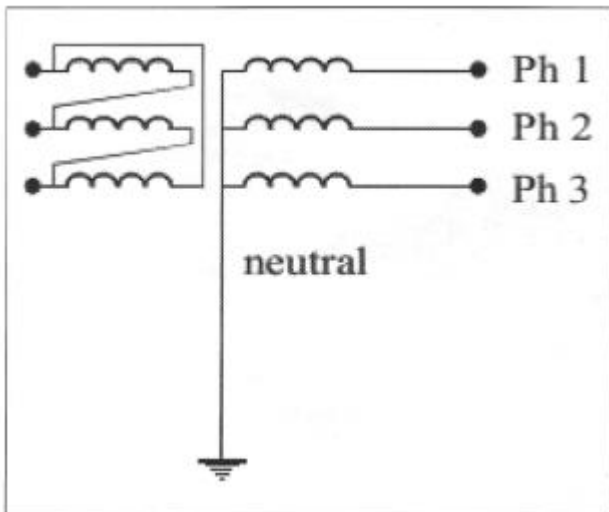




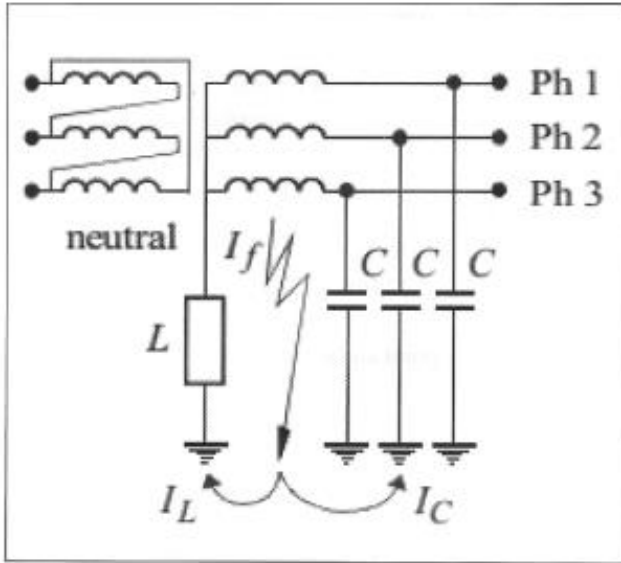
This is what a typical commercial grounding strip looks like. This grounding (connected to earth) strip is also known as an equipment ground. The purpose of this electrical path is to prevent any equipment becoming energized from an internal fault and potentially electrocuting the equipment's user. The grounding system must address low earth impedance as well as low resistance. A **single point grounding system** is achieved when all equipment within the structure(s) are connected to a master bus bar which in turn is bonded to the external grounding system at one point only. The grounding system should be designed to reduce ac impedance and dc resistance. The shape and dimension of the earth termination system is more important a specific value of the earth electrode resistance.

Electrical Metallic Tubing (EMT) installations are not really providing a decent ground path several years after initial construction (corrosion, loose couplings, conduit breaks along the path) so the NEC (National Electrical Code) now specifies an equipment ground be included along with the Line and Neutral. If you find three wires inside a typical duplex outlet box, and one of them is either bare or green jacketed, then you're likely to have a pretty decent earth ground available without too much fuss.

If building wiring infrastructure is Romex (known as *rope* in the trades), then it's likely there will be an un-insulated copper wire in the box for equipment grounding. Un-insulated (bare) wire or green wire.



Here are grounding connections on the secondary side of the power transformer coming into a structure. 3-Phase Y-Connected in this approach:



Here are grounding connections on the secondary side of the power transformer coming into a structure. The illustration is for 3-phase (Single phase is the same grounding scheme). Here is shown an inductive element (L) in series with the Y-Connected secondary's common ground and also has three capacitive elements across the phases to ground in order to provide an additional safety path without costing too much energy budget.

Equipment in the shack needs to be properly grounded to earth; radios, power supplies, and antenna lightning suppressors (Mel Luxenberg W9FRT reminds us there is no such thing as a Lightning Arrestor-can't be accomplished and he has proof). A suppressor is better than nothing so make sure there is adequate grounding on your antenna lines.



Local and Regional Nets

In this new section of the RHG we'd like to build a list of HF, and VHF/UHF nets that might be of interest to our club members. Please send submissions to Leo N9NBH or Mike K9KQX

SARC	Technet	Tuesday's 7:30 CST	K9IIK	145.230mhz
SARC	Club Net	1 st , 2 nd , 4 th , Thursday 8pm	K9IIK	145.230mhz
TALARC Amer Legion		2 nd Sat, 12 noon		14.275Mhz
TALARC Amer Legion		3 rd Sun 5pm		7.245Mhz
TALARC Amer Legion		Wed		3.862 Mhz
EN52 Net		Wed 7PM		50.130Mhz
SUHFARS Do nothing net		Sun 9:00PM		443.250 +5Mhz 114.8hz PL



SARC March Club Notes

Schaumburg Amateur Radio Club Business Meeting Oct 19, 2017

Russ Schmidt KC9NUV Vice President opened the meeting at 7:00PM.

Attendees:

Russ Schmidt	KC9NUV	Chris Brewer	AC9GN	Leo Ribordy	N9NBH	
Cliff Sowka	K9QD	Dennis Calvey		KD9HIK	Danny Kafka	KD9HIL
Robert Kocourek	W9RKK	Larry Burke	K9FLT	Bob McIntyre	W9DXR	
Leo Ribordy	N9NBH	David Lemke	KD9JGT	Mike Sorensen	K9KQX	
Bob Langsfeld	WB9TZC	Ken Krzywicki	KD9HIJ	Roger Ryan	W9RDR	
Bob Benwitz	N9JAX	Orson Baker	AB9WQ	Kevin Willard	KB9QVX	

Rebecca Hopkins brought brownies again! All gone within minutes.

Treasurer's report: Chris Brewer AC9GN reports: Beginning balance for the month was \$4,614.01. Income was \$565.69. Expense was \$624.70 for data-line, Field Day generator gas, Plum Grove water tank repeater equipment. Ending balance is \$4,555.00. Paid Membership is currently 44.

President's Report: Matt AC9IG Not present but provided this report:

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SARC Repeaters: Kent W9KAO not present but provided a previous report: All cabling for the Plum Grove UHF machine is finished and will be installed in the ladder-way shortly. New shelving, Duplexer installed, Amp is in, needs small adapter for system attenuation and in final stages of assembly before installation. It's possible there may be a nearby cell tower that could allow us a node for machine control. Installing an antenna for such new cell system access would have to be hung only inches above grade and from below the narrow opening of the steel ladder-way structure if signal strength is sufficient and winter snow doesn't choke the RF path.

Secretary's Report: Cliff Sowka K9QD: Approval of published Meeting Minutes



RHG: Mike Sorensen K9KQX wished to know group's opinion of publishing radio articles appearing in other club's literature because he currently suffers a dearth of contributions from our membership.

Construction Project: Gary N9VU not present. Previously reported cabinet cleanup completed and subsequent HamFest sales have provided over \$400 for the Treasury. There a several residual items that have been designated to become 'freebies' to club members in Good Standing. The RF Bridge, Grip Dip Meter, and Toroid transformer are the three remaining freebies currently located in the northern-most cabinet and awaiting pick-up.

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VE Testing: Not present but provided the following report:

NEXT EXAM: Nov. 4th at Schaumburg Park District CRC

Results for Oct. 7th, 2017, test session:

CLASS	NUMBER TESTED	NEW LICENSE or UPGRADE
Technician	1	1
General	0	0
Extra	1	1
Total:	2	2

NEW LICENSES:

****TECHNICIAN****

Jack Sueis Jr KD9JLG

****EXTRA****

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Be prepared to operate simplex. Most ham radio repeaters are not operational unless they are connected to an external generator like the EOC and Hospital.

NET CHECK IN



Please try to make contact on simplex Friday on 146.52 SARC 3 or Saturday using 145.230 SARC 2 (simplex on the repeater output). If you check in on the 2 meter repeater SARC 1 net control will ask you try to make contact on simplex. If unsuccessful than try the UHF Fusion repeater 444.125 SARC 13 The repeater is on emergency generator power.

Net control will ask for some information.

Are you on battery power, generator, or commercial power?

Do you have a home station? What bands can you operate?

Do you have a mobile radio? What bands can you operate?

Do you have a hand held radio? What bands can you operate?

Does your station have Winlink peer to peer capabilities?

Are you an ARES member and are you available to deploy?

PASSING TRAFFIC & MESSAGES

INFORMAL TACTICAL

The check ins will be informal format using a controlled net

FORMAL MESSAGING

Formal messages will be generated during the afternoon skills session using the format learned in the training segment.

SARC EMCOMM Members are asked to staff the Schaumburg EOC on Saturday from 10 to noon. Please contact Bob WB9TZC to set up who will be at the Schaumburg EOC.

HOFFMAN EMA Members please contact Bob WB9TZC to fill the Hoffman EOC operating schedule.

SARC MEMBERS and **AMATEUR RADIO OPERATORS** please check in on Saturday and attend the afternoon training and skills practice.

GOALS

Establish relations with your served agencies.

Conduct a simplex net

Pass ten formal messages One to SM, SEC and DEC

Make contact with neighboring counties

Establish relay stations



Hoffman Estates/Schaumburg ARES EC

WB9TZC Bob Langsfeld

Programs: Cliff Sowka K9QD: presentation for November will be a short video presented while the election results are tabulated. Maybe we'll watch Fred Gwynne of *The Munsters* make contact with Martians on his transceiver (stage-prop radio's final output tube is a clear, high-wattage incandescent lamp that doesn't light). Need a presentation for the December meeting.

Ebay Sales: Gary N9VU. There are no items currently listed for sale.

Absentee Ballots: Cliff K9QD transmitted a SARC_ALL request for Absentee Ballots: We have received three Absentee Ballot requests as of this moment.

Once a member certifies they're in good standing and unable to attend the November meeting the Secretary will send USPS ballots to be executed and returned to the club's PO Box in time for the November Meeting elections.

New Business: Some members would like us to offer General License class. Leo is considering the effort and will contact the Library District to determine what the facility availability would be for a January start.

Adjourn 7:49 PM

Submitted: October 20, 2017 Cliff Sowka K9QD Secretary.

SARC Board of Directors Meeting

Schaumburg Amateur Radio Club Board of Director's Meeting Oct 4, 2017

Kent Ochs W9KAO Chairman opened the meeting and declared no Quorum at 7PM.

Attendees:

Matt Walsh	AC9IG	Kent Ochs	W9KAO	Chris Brewer	AC9GN
Leo Ribordy	N9NBH	Cliff Sowka	K9QD		

Treasurer's report: Chris Brewer AC9GN reports: Beginning balance for the month was \$4,614.01. Income was \$565.69. Expense was \$624.70 for data-line, Field Day generator gas, Plum Grove water tank repeater equipment. Ending balance is \$4,555.00. Paid Membership is currently 44.

President's Report: Matt AC9IG Reports W9DXCC convention was well attended and a member won a \$500 certificate for new purchase of Flex Radio. Winning member decided to award the discount certificate to SARC for another member to benefit. Certificate states NON TRANSFERRABLE so we're not sure what steps would be needed to make use of this award. Matt will publish to SARC_All to inform membership and determine if someone would like to make a Flex Radio purchase. Failing receipt of willing person, will contact Flex Radio to see if it can be assigned. If yes, the potential eBay auction could be listed. Any revenue received by assigning/selling the certificate could be used to sponsor one or more of the \$50 entry fee for next year's DXCC. DXCC was well attended and all pleased with programs.



Fall Field Day: October 21 22, do the same thing in June, but in October. 8-10 hands showed interest in the event. Smaller event, no generators required. QRP only. Overlaps with ILQP and JOTA (scouting Jamboree on the air). Rob N9MVO will keep reminders going for this event.

SARC Repeaters: Kent W9KAO reports all cabling for the Plum Grove UHF machine is finished and will be installed in the ladder-way shortly. New shelving, Duplexer installed, Amp is in, needs small adapter for system attenuation and in final stages of assembly before installation. It's possible there may be a nearby cell tower that could allow us a node for machine control. Installing an antenna for such new cell system access would have to be hung only inches above grade and from below the narrow opening of the steel ladder-way structure if signal strength is sufficient and winter snow doesn't choke the RF path.

Secretary's Report: Cliff Sowka K9QD: Approval of published Meeting Minutes

RHG: Mike Sorensen K9KQX not present.

Construction Project: Gary N9VU not present. Previously reported cabinet cleanup completed and subsequent HamFest sales have provided over \$400 for the Treasury. There are several residual items that have been designated to become 'freebies' to club members in Good Standing.

Open offer utilizing SARC_All was published and three items have been claimed. Several more items remain unclaimed and may be offered during the Antique Radio Club Illinois 9AM Donation Auction this coming Sunday. Celebrating overall success for the cabinet cleanup task and we say*thanx*.... to the club members who contributed to the effort.

Social: Roger Ryan W9RDR Not present. Previously reported Oct 14th Lou Malnatis 'Pilot Petes' event is still on plan but the venue has moved to Lou Malnatis on Higgins Road in Elk Grove. This move is due to their Schaumburg location stating they were unable to accommodate our group unless a set food order with guaranteed head-count was provided.

Roger found the Elk Grove location only required his \$20 deposit with no menu and no table space limitations. Lou Malnatis on Higgins is the new venue and notice has been published to SARC_All.

Education: Leo N9NBH reported his plans for a fall TECHNICIAN Class are set. No-charge classes begin 10:30AM and end 12:30PM. Hoffman facility is where classes will be held; sign-up through the Schaumburg Library site. TECH class starting Oct 14th. All instructors confirmed.

VE Testing: No Report.

EMCOMM: Bob Langsfeld WB9TZC reports there will be an ARES regional meeting in Rockford. All ARES members are welcome to attend.

Village of Schaumburg Safety Day: Our support of Bill Clark's booth request for the annual Schaumburg Safety Day was well attended. John Zietlow K9WIC provided an impressive visual display of photos and an active PowerPoint presentation for the public's view. Public view of SARC activities was well presented. A retired veteran with military CW skills visited our booth and indicated he may find time to attend future club meetings.

Programs: Cliff Sowka K9QD: presentation for October is likely to be a plagiarized video download from YouTube because no club members have indicated their willingness to make a presentation



during October. Been asking people to come forward and share their interests and knowledge. May resort to The *Munsters* video where Fred Gwynne makes contact with Martians on his transceiver (stage-prop radio's final output tube is a clear, high-wattage incandescent lamp that doesn't light).

Ebay Sales: Gary N9VU. There are no items currently listed for sale.

Old Business: Cabinet cleaning resulted in more than \$400. Venue for Buona Beef Christmas Party in January is preferred by the membership so we will continue as in past years.

Absentee Ballots: Cliff K9QD transmitted a SARC_ALL request for Absentee Ballots: We have received two Absentee Ballot requests as of this moment.

Once a member certifies they're in good standing and unable to attend the November meeting the Secretary will send USPS ballots to be executed and returned to the club's PO Box in time for the November Meeting elections.

New Business: Some members would like us to offer General License class. Leo is considering the effort and will contact the Library District to determine what facility availability is possible for a January start.

Club Surplus Assets: Construction Project excess inventory continues to be sold. About \$400 has been realized from the two recent HamFest sales efforts.

Roger W9RDR Nominating Committee: Not present. Roger previously reported Nominees Roster must be ready for November RHG (Oct deadline). Need to confirm VP and one more Board member.

Adjourn 8PM.

Submitted: October 5, 2017 Cliff Sowka K9QD Secretary.