



ARES COMMUNICATOR

Information for Scott County Amateurs



September, 2017

Accurate, Reliable Emergency Communications for our Community

Volume 17, Number 9

Director Elections Set

Dir., Vice Dir. Elections in Three ARRL Div.

There is a two-way race to fill the Dakota Division Director's chair being vacated by Kent Olson, KA0LDG, who has decided not to run for another term. Running to succeed Olson are Matt Holden, K0BBC, of Bloomington, Minnesota — the current Vice Director — and Dean Summers, N0ND, of Dickinson, North Dakota. Holden was appointed as Vice Director in February 2016 after former Director Greg Widin, K0GW, became ARRL First Vice President.

A four-way race exists for the Vice Director's chair that Holden is vacating. The candidates are Tom Karnauskas, N0UW, of Owatonna, Minnesota; Jay Maynard, K5ZC, of Fairmont, Minnesota; Lynn Nelson, W0ND, of Minot, North Dakota, and Chris Stallkamp, KI0D, of Selby, South Dakota. Nelson is North Dakota Section Manager, while Stallkamp is South Dakota Section Manager.

Midwest Division Director Rod Blocksome, K0DAS, is being challenged for re-election by Cecil Miller, WB0RIW, of Wichita, Kansas. Vice Director Art Zygielbaum, K0AIZ, is unopposed for re-election. Blocksome was appointed Midwest Division Vice Director in 2010. He will be filling the vacancy after then-Midwest Division Director Bruce Frahm, K0BJ, was elected as ARRL Second Vice President, and Blocksome, the Vice Director at the time, moved into the Director's seat.

ARRL members will choose between two candidates for the Vice Director's seat in the Atlantic Division, now headed by Director Tom Abernethy, W3TOM, who qualified for re-election. Running for Atlantic Division Vice Director are Riley Hollingsworth, K4ZDH, of Gettysburg, Pennsylvania, and

Lloyd Roach, K3QNT, of Bedford, Pennsylvania. Hollingsworth served as FCC special counsel overseeing Amateur Radio enforcement.

Running unopposed for new terms are Delta Division Director David Norris, K5UZ; Vice Director Ed Hudgens, WB4RHQ; Great Lakes Division Director Dale Williams, WA8EFK, and Vice Director Tom Delaney, W8WTD.

The Ethics and Elections Committee established the eligibility of all candidates and declared all unopposed candidates elected for 3-year terms starting January 1, 2018.

Ballots and candidates' statements for contested elections will be mailed

to members of the respective divisions who are in good standing as of September 10. Completed ballots must be received by noon Eastern Time on November 17. Votes will be tallied at ARRL Headquarters, and the election results announced later that day.

BREAK - OVER



ARES Activities

Weekly Net Monday 7 PM 146.535 mhz (s)
Breakfast Saturday, October 14th
Digital Monday, October 16th

ARES Nets

MN ARES Phone Net	6:00PM Sunday	Freq: 3.860 mhz
ARRL MN Phone Net	12:00p, 5:30p CST Daily	Freq: 3.860 mhz
ARRL MN CW Net	6:30p, 9:50p CST Daily	Freq: 3.568 mhz

NETS WITH OUR NEIGHBORS

North Dakota:	Daily 3.937 mhz	6:30pm
South Dakota:	Daily 3.860 mhz	6:00pm
Wisconsin:	Daily 3.985 mhz	5:30pm
Iowa:	Daily 3.970 mhz	12:30/5:30pm

The ARES COMMUNICATOR is published for the benefit of Amateur Radio Operators in Scott County and other interested individuals.

EDITOR: Bob Reid, Scott County Emergency Coordinator
Snail Mail: 13600 Princeton Circle
Savage, MN. 55378
E-Mail: N0BHC@aol.com
Phone: Home 952-894-5178 Portable 612-280-9328

HP Ink Bomb!

A Disgusting Sales Practice

(Ed Note: I try not to make product recommendations and prefer to have you do the research and come to your own decision. When a company implements a disgusting sales practice I think it needs special attention. The info below was sent by one of my favorite ink suppliers. I have no interest in LD Products other than being a very satisfied customer.

Unfortunately I had invested 3+ hours in discovering the revised HP firmware listed below two days before the email.)

Dear Valued Customer,

We would like to inform you about the September 13th Firmware update by HP®. This was a preloaded update in your printer set to kill aftermarket cartridges at the preset date of Sept 13th. HP did this last year and has multiple class action lawsuits going on due to it.

If HP's update is now giving you an error message we have a fix for you. HP has seen the light and posted an updated firmware that will accept aftermarket cartridges. You will need to follow this link and download the New HP Firmware. (<https://support.hp.com/us-en/product/hp-officejet-pro-8620-e-all-in-one-printer-series/5367611/document/c05308850/>)

We are very sorry for this rare inconvenience and are here to help if you have any questions.

Sincerely,
Aaron Leon
Founder/CEO
LD Products, Inc.

Below are answers to the most frequent questions we received last time HP pulled this trick.

If you have any questions or would like additional information, please email us at support@123inkjets.com.

cont'd col. 2

cont'd from col. 1

Here is a comparison of the cost of genuine HP ink and an aftermarket supplier for comparable quantities of ink. You make the choice.

After Market Product
HP950XLSET
1 Each of Black, Cyan,
Magenta, Yellow

Total \$24.96

OEM Product(s)
CR314FN
Genuine HP 951 Cyan, Magenta,
Yellow Ink Combo Pack \$76.99
CN045AN HP 950XL High Yield
Black Original Ink Cartridge \$51.99

Total \$123.98

BREAK - OVER

*"I can only please one person per day.
Today is not your day. Tomorrow
doesn't look good either."*

Aunty Acid

NBEMS Current Versions

The current version of the Fldigi manual is available at NBEMS Info page at www.scottares.org. Look under the 'Help Sheets' heading.

Now is a good time to check to your digital software to make sure you are running the newest versions. You can find the most recent versions posted at both: www.w1hkj.com/download.html and <http://www.scottares.org/NBEMS.htm>

Here are the most recent releases as of September 18, 2017.

Software	Version
Fldigi	4.0.7
Flwrap	1.3.4
Flmsg	4.0.3
Flamp	2.2.03

The Monday evening training net is a great place to have your digi questions answered and problems solved! Join the Scott ARES group on 146.535 MHz simplex at 7:00pm on Monday evenings.



Scott County ARES Contacts

Emergency Coordinator
Bob Reid N0BHC
13600 Princeton Circle
Savage, MN 55378
952-894-5178
N0BHC@arrl.net



Asst Emergency Coordinator
Chad Palm KD0UWZ
Chaska, MN
KD0UWZ at scottares.org



Amateur Radio License Exam

Want to become a ham? Want to upgrade your license? You can find information and resources to success in ham radio at this page: <http://www.scottares.org/License Info.htm>

If you want to ask questions or find a local Elmer (Mentor) just drop an email to: newhaminfo@scottares.org

The hams in Scott ARES gather for breakfast the first Saturday of the month at the Perkins Restaurant in Savage. Bring you ham radio questions and talk to local amateur radio operators.

Now that you have done the work to study for your upgrade, here is where to find a convenient exam session near you. There is a VE exam search engine at: http://www.arrrl.org/exam_sessions/search

Walk-ins allowed at most sessions however it is always best to check the details at the specific session you are planning to attend. Below is a list of scheduled sessions close to Scott County. Good Luck!

September 23, 2017 Saturday 7:30 AM

Sponsor: SMARTS & Eden Prairie Clubs

Dale A. Blomgren (952) 402-2155

Email: kdzerob@aol.com

Location: SMARTS Ham Fest

1211 Village Pkwy

Cologne MN 55322-9248

Info: smartsfest.org/ve-exams/

September 23, 2017 Saturday 9:00 AM

Sponsor: Bloomington Off/Emergency Mgmt

Daniel J. Royer (952) 888-9756

Email: dandroyer@gmail.com

Location: City Hall-Police Department

1800 W Old Shakopee Rd

Bloomington MN 55431

September 25, 2017 Monday 6:00 PM

Sponsor: SMARTS

Dale A. Blomgren (952) 402-2155

Email: kdzerob@aol.com

Location: Carver County Library

7711 Kerber Blvd

Chanhassen MN 55317

Walk-ins allowed, Pre-reg requested

October 11, 2017 Wednesday 7:00 PM

Sponsor: VARC

James C. Rice (612) 384-7709

Email: jrice@danpatch.org

Location: Perkins Restaurant & Bakery

17387 Kenyon Avenue

Lakeville MN 55044-4459

Walk-ins allowed, Pre-reg requested

cont'd col. 2

Take a Dip in the General Pool

Time to test your knowledge of the information covered by the General Class license exam. Each month we'll take a look at a selection from the question pool.

Strap on your thinking cap and see what you can recall. Here is this month's sample:

1. What is one reason to use an impedance matching transformer?
 - A. To minimize transmitter power output
 - B. To maximize the transfer of power
 - C. To reduce power supply ripple
 - D. To minimize radiation resistance
2. Which of the following devices can be used for impedance matching at radio frequencies?
 - A. A transformer
 - B. A Pi-network
 - C. A length of transmission line
 - D. All of these choices are correct
3. Which of the following types of capacitors are often used in power supply circuits to filter the rectified AC?
 - A. Disc ceramic
 - B. Vacuum variable
 - C. Mica
 - D. Electrolytic

(Check next month's issue of the ARES Communicator for the answer.)

BREAK - OVER

August General Pool Answers

1. What unit is used to measure impedance?
 - B. Ohm
2. A two-times increase or decrease in power results in a change of how many dB?
 - B. Approximately 3 dB
3. Which of the following is an important characteristic for capacitors used to filter the DC output of a switching power supply?
 - A. Low equivalent series resistance

BREAK - OVER



cont'd from col 1

October 21, 2017 Saturday 9:00 AM

Sponsor: SEMARC

Daniel M. Franz (651) 769-0358

Email: wd0gup@hotmail.com

Location: Zion Lutheran Church

8500 Hillside Trail South

Cottage Grove MN 55016

Walk-ins allowed, Pre-reg requested

DXpeditions

Plans for Rare Ones

Thanks to *The Daily DX* (www.dailydx.com/)

Don Greenbaum, N1DG, reports that the Dateline DX Association is making progress in planning its 2018 DXpedition to Baker and Howland Islands (KH1), the fourth most-wanted DXCC entity, according to Club Log's DXCC Most Wanted List. The DDXA team will operate from the Baker Island National Wildlife Refuge.

Greenbaum says a ship has been chartered — the *Nai'a* from Fiji — with arrival on the island during the third week of June 2018. The DXpeditioners will spend 12 days on the island, with 10 days set aside for radio operation, if plans hold.

All preparations are subject to the approval of the US Fish and Wildlife Service, which administers the Baker Island National Wildlife Refuge, and the ship and dates were chosen in consultation with the agency, based on the availability of the vessel and of the USFWS "resource monitor," who will accompany the team, as well as avoidance of the cyclone season. Greenbaum said long-range propagation forecasts appear favorable on HF to Western Europe during the late-June period of planned operation. The team's 11 operators are covering half of the estimated \$400,000 cost of the DXpedition, and they're seeking financial support for the rest. Greenbaum, Tom Harrell, N4XP, and Kevin Rowett, K6TD, are team co-leaders.

The 3Y0Z DXpedition to Bouvet Island team reports it now has 10 FlexRadio transceivers in hand, with shipping containers and accessories. The Bouvet Island DXpedition will have 14 stations, each with its own computer and everything tested and networked. All gear will be checked out thoroughly in advance. Two of the stations will be set up for an early September team meeting in Atlanta.

ARRL has granted an unspecified Colvin Award (<http://www.arrl.org/colvin-award-grants>) to help support the Bouvet Island DXpedition, and the Northern California DX Foundation (NCDXF) contributed \$100,000.

A new 160-meter vertical, designed by Nodir Tursun-Zade, EY8MM, and DX Engineering, will be used on Bouvet. The vertical is 90 feet tall, 70 feet of which is aluminum tower sections with a 20-foot "stinger" on top. DX Engineering has donated two of the verticals to the DXpedition, one as a spare. The antenna is top loaded and tuned with two base coils. It's raised using a "falling derrick." A video of the raising and testing of the vertical is available on YouTube (www.youtube.com/watch?v=bSw-0TjaUiU).

Team member Jim Mornar, N9TK, has been preparing the radials, putting the cut-to-length wire on spools so they're ready to install on site. The radials total 24,000 feet. With this transmitting antenna coupled with directional receiving antennas, planners feel certain 3Y0Z will be effective on Top Band. Video showing setup and testing of the vertical has been posted on YouTube.

The Bouvet DXpedition is planned to take place in January 2018 and the team hopes to be on the air for 14 to 16 days. The estimated cost of the DXpedition is upward of \$750,000. The DXpedition has a Facebook page (<https://www.facebook.com/groups/639362206232014>).

The Mellish Reef VK9MA team said in its recent *VK9MA Expedition Insider* that it plans to focus on the lower bands during its November 2017 DXpedition. Mellish Reef is the 29th most-wanted DXCC entity. The nine-operator team will set sail on November 1 from Australia aboard the MV *Phoenix*, arriving on November 3. The DXpedition will depart Mellish Reef on November 16.

Data modes, and especially RTTY, will be one focus of the VK9MA DXpedition, and the team says it may give JT65/JT9 and the newly popular, but still beta, FT8 a try. During their 13-day stay on the reef, team members will run four complete stations around the clock.

DXpedition Web & Info. Sites

- Most Wanted List

<http://www.clublog.org/mostwanted.php>

- Baker Island

<http://www.baker2018.net/>

- Bouvet Island

<http://www.bouvetdx.org/>

- Mellish Reef

<https://vk9ma.com/>

BREAK - OVER



First Thursday Net

Metro District Hospital Net

The Association of Emergency Radio Organizations (AERO) sponsors a Metro District ARES net held on the first Thursday of each month. The purpose of the net is to provide an opportunity to exercise Dual-band xcvrs installed at hospitals and clinics in the metro area. The net is open to all amateur radio ops and provides the opportunity to participate in a directed net and practice directed procedures.

Everyone is welcome!

- First Thursday of each month
- 12:30PM (lunch time)
- 146.700 - (PL118.8)



net

AERO Training

Assn of Emergency Radio Org.

AERO News Release

AERO is an organization of emergency communications organizations that establishes and offers emergency communications training in support of its member organizations and serves member organizations in Anoka, Dakota, Carver, Chisago, Hennepin, Isanti, Ramsey, Scott and Washington counties.

In order to take AERO training, you must be a member of one of our recognized AERO organizations. If you are a member of one of our recognized organizations, please go to www.AEROMN.org to register for our upcoming courses.

Since AERO is an organization of organizations, individuals cannot be members. Your participation in training is contingent upon your involvement in a Metro-area government-recognized emergency management or disaster support organization that provides its own communications capability by recruiting Amateur Radio Operators.

These organizations include government organizations, hospitals associated with the Metro Hospital Compact, and disaster support organizations like the Red Cross and the Salvation Army. They also include amateur radio organizations associated with a government agency such as Metro Skywarn, Bloomington Communications Group, Maple Grove Radio Club, Hennepin County Sheriff's Office Communications Response Team, Hennepin County Emergency Management Auxiliary Communications Team, Ramsey County Emergency Management and Homeland Security, CERT Teams, and various ARES/RACES organizations such as those in Dakota and Anoka counties.

It's a new AERO to meet a new and growing need, and we've updated our training to meet that need. If you have taken AERO courses in the past this is an opportunity to take the new updated AERO courses that we are now offering.

There are still openings in upcoming AERO 101 classes. Please sign up now to ensure your attendance. For more information on how to join an AERO training class, please go to www.AEROMN.org.

AERO 101

Oct 14 (Sat)
Hennepin County
Emerg Comm Facility
1245 Shenandoah Ln N
Plymouth, MN 55447
8:30 am to 12:30 pm

Nov 11 (Sat)
Eden Prairie
FD#1Eden Prairie Fire
Station #1
14800 Scenic Heights
Road,
Eden Prairie, MN 55344
8:30 am to 12:30 pm

BREAK - OVER

FCC Opens New Bands

Oct. 16, 2017

CQ Communications Media Release

(Hicksville, NY, September 15, 2017) — CQ MF/LF Editor John Langridge, KB5NJD/WG2XIQ, reports that the FCC has authorized amateur radio use of the 630 and 2200-meter bands, effective October 16, 2017, providing registration procedures have been followed and no objections are received within 30 days.

The PLC (Power Line Communications) database is live and hams may begin registering immediately. They may begin operating on 472 kHz (630 meters) and 137 kHz (2200 meters) as early as October 16 if they register today and receive no objection in the next 30 days. Hams may not operate on the bands without going through this process. The link to the sign-up page is here: (<https://utc.org/plc-database-amateur-notification-process/>)

The effective date for use of the new bands by amateurs was published in the Federal Register. The relevant pages are at: (www.gpo.gov/fdsys/pkg/FR-2017-09-15/pdf/2017-19578.pdf)

The FCC's Public Notice is at: (http://transition.fcc.gov/Daily_Releases/Daily_Business/2017/db0915/DA-17-893A1.pdf)

John Langridge, KB5NJD/WG2XIQ, is asking all amateurs to register, even if they don't plan to use these bands in the near future, as the FCC rules prohibit UTC (the Utilities Technology Council) from deploying PLC in these bands closer than 1 kilometer from registered stations. Registration now will protect your ability to use our new MF/LF bands in the future.

BREAK - OVER

~ ~ ~ ~ HELP WANTED ~ ~ ~ ~

Saturday, Oct 14th
Belle Plaine Half Marathon
06:30 AM Breakfast, 9 AM Start
KC0QNA at: kc0qna@yahoo.com

Sunday, Oct 22nd
Mankato Marathon
06:30 AM check-in
K2KLN at: NY1@hickorytech.net

Saturday, Dec 2nd
Arlidazzle Festival
Arlington, MN
08:00 - 21:00 Hours
KC0QNA at: kc0qna@yahoo.com



The Scott ARES net meets every Monday evening at 7:00 PM either on 146.535 simplex or on the first Monday of the month the WBORMK repeater 147.165 (PL 107.2).

The net is in a directed net format and provides the opportunity to practice working in an emergency net style.

There is help available in setting up and using NBEMS digital messaging software and generally a weekly digital message for practice.

Everyone is welcome to check in and contribute two cents worth!

Test Your NIMS Knowledge

This month we begin our review of ICS-200. This course is designed to enable personnel to operate efficiently during an incident or event within the Incident Command System (ICS). ICS-200 provides training on and resources for personnel who are likely to assume a supervisory position within the ICS.

Check your recall of the course material with this question.

1. Select the TRUE statement:

- A. Informal communication is prohibited within the Incident Command System
- B. Formal communication requires the use of written reports to document all interactions
- C. Formal communication is used in reporting progress of assigned tasks
- D. Informal communication is the preferred method for communicating resource needs

Check next month's ARES Communicator for the solution

August NIMS Knowledge Solution

1. Who is responsible for determining the appropriate tactics for an incident?

- B. The Operations Section

BREAK - OVER

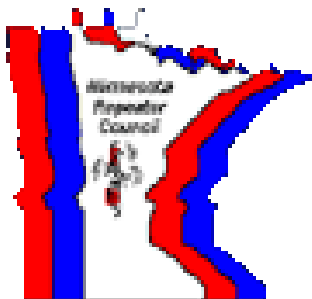
Fall MRC Meeting

October 28th

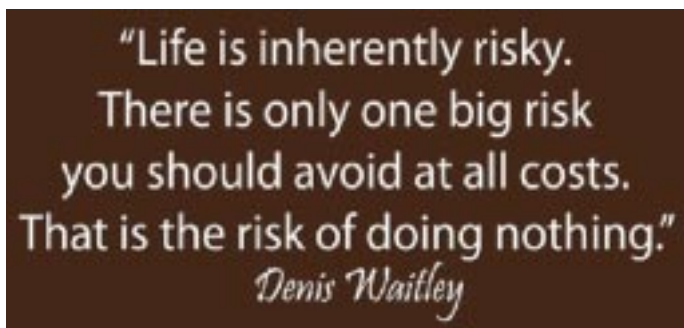
N0FWG, Sec/Treas

The Fall 2017 Minnesota Repeater Council Meeting will be held on Saturday October 28, 2017 at the Chanhassen Library. Registration will start at noon with a call to order at 1PM.

Check the Fall newsletter for updates and more information.



BREAK - OVER



ARES Breakfast

Saturday
October 14th 2017
7:30AM

Hy-Vee Market Grille,
6150 Egan Dr, Savage, MN

NECOS Schedule September 2017

The first Monday of the month the net is held on the WBORMK repeater, Carver. You will find WBORMK here: 147.165/765 PL 107.2

Date	NECOS
Sep 18th	WA0DGW John
Sep 25th	KD0UWZ Chad
October 2017	
Oct 2nd	N0BHC Bob First Monday Net
Oct 9th	WA0DGW John
Oct 16th	KD0UWZ Chad -
Oct 23rd	N0BHC Bob