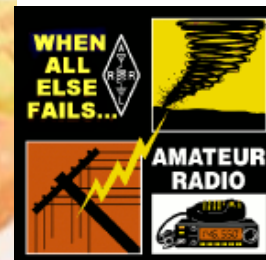




ARES COMMUNICATOR

Information for Scott County Amateurs



February, 2019

Accurate, Reliable Emergency Communications for our Community

Volume 19, Number 2

ARES Aligns with Served Agencies

New Plan Aligns ARES with the Needs of Served Agencies

The ARRL Letter

The new ARES Plan (www.arrl.org/files/file/Public%20Service/ARES/ARES%20Plan%20-%20rev%2001-30%20-19.pdf) adopted by the ARRL Board of Directors at its Annual Meeting in January represents an effort to provide ARES with a clearly defined mission, goals, and objectives; specific training requirements, and a system for consistent reporting and record-keeping. The Board's Public Service Enhancement Working Group (PSEWG) spent more than 3 years crafting the ARES Plan which, ARRL officials believe, provides a much-needed update of the program's role in public service and emergency preparedness in the 21st century. Concerns focused on bringing ARES into alignment with the National Incident Management System (NIMS) and Incident Command System (ICS), and creating more consistent and standardized ARES training requirements. Given dramatic changes and upgrades in national, regional, and local emergency and disaster response organizations, ARRL faced a major challenge, said ARRL Great Lakes Division Director Dale Williams, WA8EFK, who chaired the PSEWG.

"If we didn't address these issues, such as training standards and organizational management, ARES faced the very real possibility that it would no longer be viewed as a valid and valuable partner in emergency and disaster relief situations," Williams said.

With input from ARES members and a peer review team, and the assistance of emergency response officials with some partner organizations, the PSEWG came up with a plan that provides guidelines to ensure that ARES remains a service of organized, trained, qualified, and credentialed Amateur Radio volunteers who can provide public service partners with radio

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

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HELP NEEDED

Volunteers are needed for Net Control Station for the Monday evening Scott ARES Net. A sudden medical issue has forced the usual NECOS off the air for a while.

Serving as NECOS provides valuable experience in emergency communications. You never know when you might be expected to assume the NECOS role in an emergency. Gaining NECOS experience in a non-emergency setting is a real confidence builder.

The 7PM net meets the first Monday of the month on the Carver Repeater (147.165) while the remaining nets meet on 146.535s.

The Net is a directed net that runs under emergency operating procedures. There are detailed scripts for the NECOS on the Scott ARES website. To assume NECOS control or have your questions answered, just email Bob at N0BHC@ScottARES.org. Jump in and gain some fun experience.

ARES Activities

Weekly Net Monday 7 PM 146.535 mhz (s)

Breakfast Saturday, March 9th

Digital Monday, March 11th

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

SKYWARN Training Time

Skywarn training classes have begun for the 2019 season. If you didn't take a class last year check the schedule and pick a date.

For class questions and scheduling email training@metrokywarn.org You can view the on-line listings at: www.eventbrite.com/o/metro-skywarn-inc-7885991211

Feb 27th Wednesday, Fridley

6PM - 10PM

City of Minneapolis Office of Emergency Mgmt
Emergency Operations Training Facility
25 37th Ave NE
Fridley, MN

Walk ins welcome, but please pre-register, if possible.
Facility info only: Thomas.Miller2@minneapolismn.gov

March 9th Saturday, Blaine

12 PM - 4 PM

Blaine City Hall
Cloverleaf Room (2nd floor)
10801 Town Square Dr.
Blaine, MN

(Radisson Road and 109th Ave North)
Anoka County Emergency Mgmt
Anoka County Radio Club
Walk ins welcome, but please pre-register if possible.
Facility info only: Ryan@MetroSkywarn.org

SKYWARN *cont'd on page 3*

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



Test Your NIMS Knowledge

This month we begin our review of ICS-700, An Introduction to National Incident Management System. This course is designed to enable personnel to operate efficiently during an incident or event within the Incident Command System (ICS). ICS-700 provides an overview of the NIMS structure.

Check your recall of the course material with this question.

1. Incident managers begin planning for the demobilization process:
 - A. When incident activities shift from response to recovery.
 - B. Right before the first resources are ready to be released.
 - C. As soon as possible to facilitate accountability of the resources.
 - D. After being requested by the Emergency Operations Center

Check next month's ARES Communicator for the solution

January NIMS Knowledge Solution

1. ICS encourages jurisdictions to use common terminology. Common terminology:

- D. Uses plain English to allow personnel from different agencies to work together.

BREAK - OVER

Daylight Savings Time

Spring Ahead
Sunday March 10th

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/ and www.scottares.org/NBEMS.htm

Here are the most recent releases as of Feb 20,2019.

Software	Version
Fldigi	4.1.0
Flwrap	1.3.4
Flmsg	4.0.8
Flamp	2.2.04

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.



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communication expertise, capability, and capacity, Williams added.

A drafted ARES Plan was circulated among ARRL Section Managers (SMs) and Section Emergency Coordinators (ECs) to gather feedback. During the comment period from August through October 2018, the PSEWG heard from 55 ARRL Sections, representing 40 states — more than 125 pages of feedback in all. The PSEWG expressed appreciation to all who submitted comments and ideas.

The PSEWG reviewed every comment and suggestion, identifying about a dozen key items commonly cited by those in the Field Organization to improve the plan.

Based on input from ARES participants, the training requirements in the final ARES Plan consist of the free FEMA Professional Development Series. The series comprises these independent study (IS) courses: 120.c, 230.d, 235.c, 240.d, 241.b, 242.b, and 244.b (as they may be amended), as well as the ARRL's EC-001 and EC-016 emergency communication courses. As part of adopting the ARES Plan, the ARRL Board approved a proposal to make the ARRL EC courses free for ARES members.



The plan highlights some additional training programs that ARES participants are encouraged to consider taking, but that are not required, such as AUXCOMM and training courses like ICS-300 and ICS-400.

The ARES Plan outlines a three-tiered membership structure based on increased responsibility levels and accompanying training requirements. Although the tiers are not a required path, they serve to define three distinct ways to participate in the ARES program; it's up to the participant to determine his or her level of involvement.

The ARES Plan points out that public service events such as parades and marathons are within the realm of ARES activity and are, in fact, a key part of it, because such events are an integral part of effective training.

In recognizing the local and regional nature of emergency communication needs in disaster response activations, the Plan notes that training requirements are ultimately the responsibility of the Section Manager, with each SM approving training for local ARES teams, as local conditions and needs dictate.

The ARES Plan also highlights the relationship between ARES and the National Traffic System (NTS). The PSEWG

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indicated that it will continue moving forward with efforts to find ways to refine and strengthen that relationship.

While the intent of the ARES Plan is to align the ARES organizational structure with the NIMS and ICS systems, Williams noted that, within the ARES structure, the Emergency Coordinator (EC) will continue to lead the ARES team locally during an incident, while the District and Section Emergency Coordinators will continue to serve as resources and support for the EC. (The emergency preparedness staff at ARRL is in the process of updating the EC manual.) The ARES Plan stresses that ARES participants are not first responders, and it encourages ARES leaders to develop and grow their group's partnerships with state emergency management agencies and officials. Williams said the adoption of the ARES Plan is not the end of this process.

"ARES cannot remain stagnant only to be updated once every few generations," he said. "The ARES Plan, and the ARES program, must be able to evolve." Williams added that the ARRL Headquarters emergency preparedness staff will review the program annually to ensure its continued relevance.

BREAK - OVER



SKYWARN Training - cont'd from page 2

March 13, Wednesday, Chaska
6 PM – 10 PM

(arrive by 5:45pm for security screening)
Carver County Government Center
Emergency Operations Center
Carver County Gov Center
606 East 4th Street
Chaska, MN

Walk ins welcome, but please pre-register.
Facility info only: jwalker.mn@gmail.com

SKYWARN cont'd on page 4



SKYWARN Training - cont'd from page 3

March 23rd, Saturday, Falcon Heights

9 AM – 1 PM

Falcon Heights City Hall
2077 West Larpenteur Avenue
Falcon Heights, MN
Falcon Heights Area CERT
Walk ins welcome, but pre-register.
Facility info only: Kris ktbd4@comcast.net

March 30th Saturday, Bloomington

9 AM – 1 PM

Bloomington Fire Station #1
10 West 95th St.
Bloomington, MN
Bloomington AUXCOMM
Walk ins welcome, but pre-register.
Facility info contact: Brian at bmesmay@gmail.com

April 4th Thursday, Richfield

6 PM-10 PM

Richfield Municipal Center
Bartholomew Room
6700 Portland Avenue
Richfield, MN
Richfield CERT and Richfield Amateur Radio Club
REGISTRATION REQUIRED. Walk ins IF space available.
Facility info only contact: elammle@richfieldmn.gov

April 6th Saturday, Maplewood

9 AM – 1 PM

Maplewood Fire Department
Maplewood Fire Station 2
1900 Clarence St.
Maplewood, MN
Walk ins welcome, pre-register if possible.
Facility info only contact: Chief Lukin at 651-775-7316

April 9th Tuesday, Maple Grove

6pm – 10pm

Maple Grove Fire Station #2
13450 Maple Knoll Way
Maple Grove, MN
Maple Grove Radio Club
Walk ins welcome, pre-register if possible.
Facility info only contact: info@k0ltc.org

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April 13th Saturday, Burnsville

9 AM - 1 PM

Open Circle Church
2400 Highland Dr
Burnsville, MN
Twin Cities Repeater Club
Walk ins welcome, pre-register if possible.
Facility info only contact: Jim at 612-201-0569

April 13th Saturday, Brooklyn Center

9:30 AM - 1:30 PM

Brookdale Public Library
Meeting Room AB
6125 Shingle Creek Pkwy.
Brooklyn Center, MN 55430
Twin Cities FM Club
REGISTRATION REQUIRED. Walk ins IF space available.
Facility info only contact: Mike@MetroSkywarn.org

May 1st Wednesday, Roseville

6 PM - 10 PM

City of Roseville
Roseville Fire Station
2701 Lexington Ave N
Roseville, MN
Twin Cities FM Club
REGISTRATION REQUIRED. Walk ins IF space available.
Facility info only contact: Emily.Nelson@cityofroseville.com

SKYWARN cont'd on page 5

First Thursday Net

Metro District Hospital Net

The Metro District ARES Hospital net is 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 net procedures.

Everyone is welcome!

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



Surf's Up!

Surfing the web for interesting topics related to radio, building, computing, and anything else interesting along the way

Billy & Alexa

www.hackster.io/ben-eagan/big-mouth-billy-bass-alexa-820481

What do you get when you cross Alexa with Billy Bass? Click the link.



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SKYWARN Training - cont'd from page 4

May 4th Saturday, Cottage Grove

9 AM – 1 PM

Zion Lutheran Church

8500 Hillside Trail S

Cottage Grove, MN

Enter on the west side of the building.

SEMARC

REGISTRATION REQUIRED.

Facility information, contact Dave at 612-250-3417 or

finster99@comcast.net

May 7th Tuesday, Median

6 PM – 10 PM

Hennepin County Public Works - EOC Room

1600 Prairie Dr.

Medina, MN

Hennepin County Emergency Management

Walk ins welcome, but to pre-register click here, if possible.

Facility info only contact: Michael.Ostlund@hennepin.us

May 11th Saturday, Blaine

12PM – 4PM

Blaine City Hall

Mark Stack Room (1st Floor)

10801 Town Square Dr.

Blaine, MN

(Radisson Road and 109th Ave North)

Anoka County Emergency Mgmt

Anoka County Radio Club

Walk ins welcome, but please pre-register here, if possible.

Facility info only contact: Ryan@MetroSkywarn.org

BREAK - OVER

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. Which of the following components should be added to an inductor to increase the inductance?

- A. A capacitor in series
- B. A resistor in parallel
- C. An inductor in parallel
- D. An inductor in series

2. Which of the following solid state devices is most like a vacuum tube in its general operating characteristics?

- A. A bipolar transistor
- B. A Field Effect Transistor
- C. A tunnel diode
- D. A varistor

3. What is the minimum allowable discharge voltage for maximum life of a standard 12 volt lead acid battery?

- A. 6 volts
- B. 8.5 volts
- C. 10.5 volts
- D. 12 volts

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

Tooth Fairy Day Feb 28th



January General Pool Answers

1. Which of the following describes the construction of a MOSFET?

B. The gate is separated from the channel with a thin insulating layer

2. Which element of a triode vacuum tube is used to regulate the flow of electrons between cathode and plate?

A. Control grid

3. What is meant by the term MMIC?

B. Monolithic Microwave Integrated Circuit

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.arrl.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!

March 02, 2019 Saturday 10:00 AM

St Paul Radio Club
Leon H. Dill (651) 688-9964
Email: w0coe@arrl.net
Location: Ramsey Co Library Maplewood
3025 Southlawn Dr
Saint Paul MN 55109-1577
Walk-ins allowed, Pre-reg requested

March 13, 2019 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

March 16, 2019 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

March 30, 2019 Saturday 8:45 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

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April 6, 2019 Saturday 10:00 AM

St Paul Radio Club
Leon H. Dill (651) 688-9964
Email: w0coe@arrl.net
Location: Ramsey Co Library Maplewood
3025 Southlawn Dr
Saint Paul MN 55109-1577
Walk-ins allowed, Pre-reg requested

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Monday Evening 7PM

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!



ARES Breakfast

Saturday
March 9th 2019
7:30AM
Hy-Vee Market Grille,
6150 Egan Dr, Savage, MN

NECOS Schedule February 2019

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

Date NECOS _____

March 2019

Mar 4th - ??? First Mon. Net

Mar 11th - WA0DGW John

Mar 18th - KD0UWZ Chad

Mar 25th - N0BHC Bob

April 2019

Apr 1st - WA0DGW John First Mon. Net

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