



# DCARCommunicator

Davis County Amateur Radio Club

Editor - Lon Stuart WM7E

February 2014

## The Pres Says:

## A New Year, and a New Century



Alan Malan, KB7YSP

We are about a month into ARRL's Centennial Celebration - a celebration that not only looks back on how far amateur radio and ARRL have come over the last 100 years, but also looks forward to the next 100. This celebration would simply not exist without ARRL members, like you, active on the air and engaged within your ham community.

There is a lot happening this year to mark the occasion.

First, the ARRL Centennial QSO Party, a year-long on-air event intended, first and foremost, to get hams and ARRL members on the air. Awards are available for anyone interested in pursuing them, as each contact with every ARRL member is worth a

certain point value. Stations exchange signal report and ARRL abbreviation. Contacts do not have to be contest-style, and providing ARRL organizational information is not required. A Centennial QSO Party database will assign point values to all logs submitted electronically via Logbook of the World. Those not submitting electronically, however, will need to obtain the QSO information during the contact if they are seeking an award. Complete details can be found at <http://www.arrl.org/centennial-qso-party>

Second, W1AW/x will be on the air from every state in the country, twice for one week each, throughout 2014. These operations have been extremely popular for hams looking to net a QSO with W1AW, or trying to work each operation on as many band/modes as possible, or trying to earn Worked All States exclusively from contacts with W1AW/x in each state.

The year-long schedule of W1AW/x operations is available at [http://www.arrl.org/files/file/On%20the%20Air/W1AW\\_2014\\_sked.pdf](http://www.arrl.org/files/file/On%20the%20Air/W1AW_2014_sked.pdf) Have fun throughout the year working as many as you can! Do a search for "W1AW" at <http://www.dxsummit.fi/Search.aspx> to see where the current operations are on the bands.

(Kudos to Jon K7CO and his team, who recently activated W1AW/7 from Utah, for the 16,835 QSOs they made during the week they were QRV)

W100AW is on the air from ARRL Headquarters in Connecticut. Work what would traditionally be W1AW as W100AW, a special issue commemorative callsign granted by FCC to mark the League's centennial, on the air this year only.

This unique year is about you, the member, and the greatest hobby around. We are grateful for your membership and involvement. See you on the air!

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## Amateur Radio Public Service Events

Hello all,

We are getting rolling at [ARPSE.org](http://ARPSE.org) for the 2014 Public Service Event season. Last year, we had 37 events posted and I have no reason to think this year would be any less.

Event coordinators from around the state are already posting their events on [arpse.org](http://arpse.org) and looking for volunteers to help. Rather it be a 5K run or a local parade or one of the big Ultra 100 runs, hams are there to help. As you are aware, these events are a great way to gain real world experience, passing real tactical traffic and impacting actual outcomes. Our presence at these events does not go unnoticed. As an event coordinator, I am regularly thanked by event organizers for our services. While as coordinators we accept the thanks, we are nothing without each and every one of you dedicating your time and equipment to these events.

I am looking forward into the 2014 event season and hope that you will join me in giving back to our communities, one event at a time... 73 -- Brett, KC7IIB

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Be sure to come to the February 8 DCARC Club Meeting at the Davis County Sheriff's Office. It starts at 10am.

**Buffalo Run Packet Test**

Attention all packet operators for the Buffalo Run. My test station is up and working again (finally got up the energy to put everything back together). I have updated the client. This update has a few bug fixes and the ability for remote configuration help. Download the latest client. Also look at the manual for the client. You may also be interested in the Google Earth file that maps the location for the aid stations.

Full information below:

- Packet on **145.070 MHz**
- Connect to Node **KD7HHW-4** (located in Roy, UT)
- If needed, use Node **ANT**

The **KD7HHW-4** node is connected to a test database, so test as much as you would like.



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The DCARCommunicator is written, typeset and printed in the good ole' US of A by the Davis County Amateur Radio Club. The club is an affiliate of the American Radio Relay League (ARRL) and is incorporated in the State of Utah. The club meets on the second Saturday of each month, unless other circumstances dictate changes. The meetings are held at the Davis County Sheriff's Office, 800 W. State St., Farmington, UT. Dues are \$15 per year individual; \$20 per family; \$10 Senior Citizen over 65 years and Free for 105-year-old geezers... Dues may be mailed to the address above or be paid in person at the club meeting. Typesetting was accomplished by a troop of Trolls, plying their trade, but the current financial melt-down has also melted the Trolls down into lead ingots, after having been fired by the Editor for their long-time messing up of his copy. They are now all headed for the scrap heap along with their typesetting errors. -- Editor

**2014 DCARC Organization - All Telephone Numbers**

are 801 Area Code. List 10-12-2013

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A blonde man is in the bathroom and his wife shouts:  
 "Did you find the shampoo?"

He answers, "Yes, but I'm not sure what to do... it's for dry hair, and I've just wet mine."

## **Rich Fisher, NS7K, to be DCARC Meeting Speaker**

Rich Fisher, NS7K, will be presenting the Beehive net, the digital side of traffic handling at the DCARC club meeting Saturday morning, Febuary, 08, 2014.

Rich was first licensed as WN7JJL in 1968. He upgraded to General and got a new call: WA7JJL. He then upgraded to Advanced and went on to Extra, and again changed his call to NS7K at that time.

Rich joined the US Navy and went to Radio A school; then served on two WWII type of Destroyers in the Vietnam conflict.

He says he has been a traffic handler for most of his amateur radio time. He also likes to chase DX and work a few contests. Positions Rich has held are: first VP of the Davis County Amateur Radio club (DCARC) when it was organized, President of DCARC, AEC Davis County ARES, EC Davis County ARES, Section EC, Section Manager, also ARRL VE, Net Manager UCN, Net Manager TWN/C4, Region 12 NTSD major hub/relay station, Region 12 Digital Relay Station, Pacific Area NTS Digital. He was also a member of Brass Pounders league and is a life member of the ARRL and holds WAS 160 CW, 6 meters, WAS Digital, triple play WAS, VUCC on 6 meters, WAC Phone, WAC CW, five band WAC, DXCC CW, phone, mixed, A-1 Operator Club.

Some of the public service activities he has been involved in are: several local winter storms in Box Elder county with N7IE, Teton Dam collapse, flooding in Davis County in 1983, Thistle mudslide.

Rich retired from Hill AFB in 2006, and now works part time for Clearfield City as the Emergency Services Manager. He is married to Cary. Her call is KA7LJY and they have two grown kids and 4 grandchildren.

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## **2014 is Here - Are You Ready for the New Year?**

By Gary L. Davis, KE7MQF, DCARC Emergency Coordinator

The start of a new year is usually the time to look back and see where we have come from while looking forward to see where we want to go. I would like to thank all of the Hams who have supported the assorted events that DCARC/DCARES has participated in during the past year. We have helped a lot of folks in our county and I know they appreciate all we have done. Now is the time to decide to do better this new year.

Per the ARRL ARES EC Handbook, it is my responsibility to coordinate the efforts of local hams in supporting their community. However (comma), it is all of you who have volunteered to be the ones that will answer the call when communications support is needed in our County. It is you, who has volunteered to "BE READY" to assist when the call goes out. And in Being Ready, you have your "Grab-N-Go" kit available and have completed the training needed so that you can provide that support to parades, Marathons, test Exams, and other events around our county.

As an ARES member, we have voluntarily offered our support when the county needs it. I'd like to ask you to step up your efforts this year so we can better support our neighbors.

Answer the call for supporting local and county events. Learn a new and different method of passing traffic. Heck, learn how to take message traffic and actually volunteer to pass that traffic.

We have many events during the year for you to expand and develop your communicating abilities. ARES is all about helping others and communicating. The Buffalo Run is coming up end of March. Scouting for food is the same day. If you do not want to support one, support the other. It only takes a few hours to do something good for others and yourself. You get to expand your skills and develop friendship with others.

Speaking of expanding skills. One of the main skills of ARES and Emergency Communications is, (drum roll please,,,) Message Handling. Amateur Radio has a long history of handling message traffic before, during and after disasters or emergencies.

(Cont'd Next Page)

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New Labels: -- 3M, J.C. Penney, and the Canadian Opera Company will merge and become 3 Penney Opera.

Grey Poupon & Dockers Pants will merge and become Grey Poupon Pants.

**2014** (Cont'd)

For Davis County, there is a daily message net known as the "Beehive Net." This net occurs every day at 12:30pm on a freq of 7272.0Khz. Messages from around the world are handled here and as an ARES member, we really should be monitoring this net to keep up. I hope to work with the club to have some additional training on message handling in the future. I hope to get all ARES members familiar enough so that it becomes second nature to each of us.

Another goal for the New Year is incorporating the Incident Command System (ICS) into Davis Co ARES. "This system is a combination of personnel, policies, procedures, facilities, and equipment that are integrated into a common structure designed to improve emergency response operations of all types and complexities" per their web site. As ARES members, we need to fit into this system. As such we must become familiar with ICS procedures, and the forms that are used to communicate. We have had limited training on these procedures and forms in the past, both at the Annual ARES/RACES conference as well as at club meetings. Go on-line and take the FREE study courses.

In coordination with the Bookstore, I will make some comments about Grab-n-go kits. All ARES members must have a kit ready for deployment. The kit will have to support you and your communications needs for anywhere from a few hours (parade kit) to several days (major disaster kit). All ARES members have the ability to stock and maintain a parade kit at a minimum. Getting a kit together is not too difficult. Maintaining it is the hard part. You need to actually use the kit a few times to become familiar enough to make the needed changes so the kit can support your efforts rather than someone else. The up-coming buffalo run (March 21, 2014) is an ideal way to test your training and your Grab-n-Go kit. I am and will be looking for 40 ARES/Ham Radio volunteers to help with the event this year.

Each city in Davis Co has an Assistant Emergency Coordinator (AEC). Their function is to help me and you with coordinating ARES support to our communities. Contact them (or me) if you have any suggestions, questions or concerns about ARES within your community.

Finally, The Ready.gov website has organized personal preparedness into four categories:

**Be Informed:** Know local/community risks and community systems and plans, participate in preparedness training, and practice response skills by participating in drills.

**Make a Plan:** Develop a household emergency plan and discuss it with household members.

**Build a Kit:** Set aside and maintain supplies one may need in disasters.

**Get Involved:** Find local opportunities to volunteer for community safety and disaster response and be a part of the community planning process.

As ARES members, we need to apply these four categories into our daily lives.

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**N.S.A. Devises Radio Path Into Computers**

By DAVID E. SANGER and THOM SHANKER in The New York Times JAN. 14, 2014

WASHINGTON - The National Security Agency has implanted software in nearly 100,000 computers around the world that allows the United States to conduct surveillance on those machines and can also create a digital highway for launching cyber attacks.

While most of the software is inserted by gaining access to computer networks, the N.S.A. has increasingly made use of a secret technology that enables it to enter and alter data in computers even if they are not connected to the Internet, according to N.S.A. documents, computer experts and American officials.

The technology, which the agency has used since at least 2008, relies on a covert channel of radio waves that can be transmitted from tiny circuit boards and USB cards inserted surreptitiously into the computers. In some cases, they are sent to a briefcase-size relay station that intelligence agencies can set up miles away from the target.

The radio frequency technology has helped solve one of the biggest problems facing American intelligence agencies for years: getting into computers that adversaries, and some American partners, have tried to make impervious to spying or cyber attack. In most cases, the radio frequency hardware must be physically inserted by a spy, a manufacturer or an unwitting user.

## Why are We so Obsessed with Driving Up the Cost of Computing?

Summary: There currently seems to be a rhetoric that the PC is too cheap. How can it possibly be “too cheap?”

Two of the best pieces I’ve read in a long time is Paul Thurrott’s piece “[Explaining Windows 8 PC Sales Over the Holidays](#) and the related “[This Best Buy Circular Says It All.](#)”

The reason why I like these pieces is that it lays bare the “damage” that was done by the rise of the netbook. To recap, the netbook was an ultra-cheap laptop computer. They were super-popular for a while, and then suddenly became much less popular when the market started to fall in love with the iPad. In Thurrott’s first piece he cites NPD market data that the average selling price (ASP) of a laptop is currently sitting at \$420. In his second piece he shows that Best Buy are pitching laptops for \$460. It’s the netbook that did that, driving down expectations of price to a point that’s “unsustainable” as far as the manufacturers are concerned, yet “magical” as far as consumers are concerned.

As an individual, I want computing to be so cheap that if I pour myself out a bowl of cornflakes I want a sparking new tablet computer to plop into the bowl because they are so cheap Kelloggs can give them away as sales incentives. That right there is the target price — so cheap that the cost can be absorbed in the price of a box of cereal at wholesale. Yum.

Plus, sociologically-speaking, cheaper, more pervasive computing is better for all of us. Most readers of this publication are in the relatively rare position (globally speaking) of being well-paid and well-off. But being able to deliver dirt cheap hardware to those in society who are less advantaged is something that we should all aspire to. Something like the [OLPC currently costs about \\$200](#) — that’s much, much too expensive. It needs to be more like \$20.

I’m not saying that we should all demand what Thurrott calls “throwaway, plastic crap” — we need to get the OEMs to build good kit, but to do so cheaply. And they can generally speaking do that. Yes, a \$100 Android tablet might not feel like a \$400 iPad, but there’s no reason why it can’t deliver the same benefits to the owner. We don’t all have to drive Aston Martins.

Personally-speaking, I’ve been working in IT for 20 years. Unless I’ve missed something, no change in either software or hardware pricing in either direction has ever affected me in any way. The only people who are wringing their hands about the decline in ASP are companies like Microsoft, Intel, and their partners. And I’m sure I would be too if the gravy train I’d been enjoying for decades looked like it was about to come off the rails.

**Read: [Windows 8 hardware “overpriced” and offers “no clear benefit in switching from iOS or Android”](#)**

(To be continued Next Month)

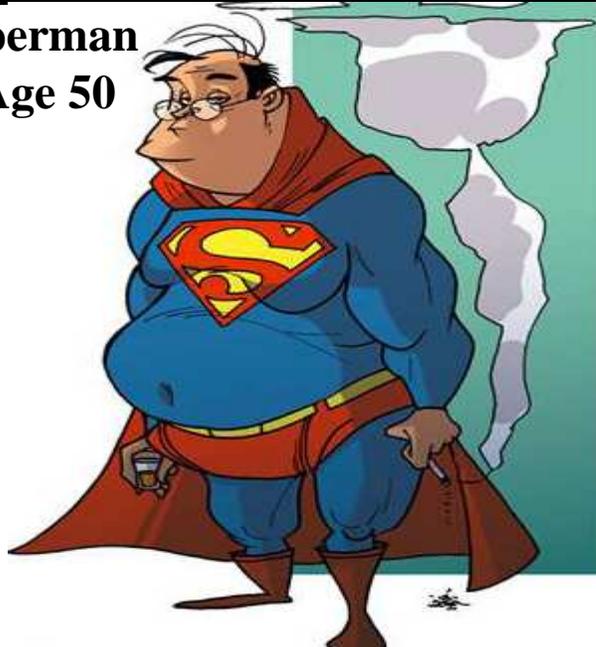
From the ARRL Letter:

The Amateur Radio population in the US continues to show steady growth, according to statistics compiled by Joe Speroni, AH0A. As of the end of 2013, the FCC database showed 717,201 licenses in its Universal Licensing System (ULS). That’s the greatest number of US hams ever, and it’s up from 709,575 in December 2012. The volume of Amateur Radio applications slowed somewhat to 141,943 from its zenith of 176,826 in 2007, the year the FCC dropped the Morse code requirement.

“The three current license classes also peaked at the end of 2013,” notes ARRL VEC Manager Maria Somma, AB1FM. “FCC-issued club station licenses are also at an all-time high in the FCC database at 11,363. The number of new licensees has increased by 7 percent over last year — 28,886 in 2013 and 27,082 in 2012.” The breakdown by license class shows Technicians as the largest group, at 349,163, followed by Generals at 167,257, Amateur Extras at 133,391, and Advanced licensees at 54,293. Slightly more than 13,000 Novice licensees remain on record too . . .

HQ Army MARS Public Affairs Officer

**Superman  
at Age 50**



**147.04 Repeater Autopatch**

**Emergency Dispatch Center Access Numbers**

910 Clearfield Dispatch	525-2806
911 Davis County Dispatch	911
912 Bountiful - NON Emergency	298-6000
913 Davis Co. - NON Emergency	451-4150
914 Hill AFB Security	777-3056
915 Layton Dispatch	544-1241
916 Weber Co. (Ogden City PD)	629-8221
917 Weber Co. (Roy Dispatch)	629-8221
918 SL Co. UHP	887-3800
919 Weber & Morgan Co. Sheriff	629-8221

**NOTE:** It is NOT necessary to use the autopatch UP code to use these Emergency Autopatch Access numbers. Just tap in the 9xx code for the center you want to access. Also note that if the issue does not involve a threat to life or property, then you should use the NON Emergency dispatch number, if available.

*The 3 minute call timer limit also applies to these calls.*

**From Your ARRL Director and Vice Director**

It's that jolly time of the year, and it's been an honor representing you and ham radio within ARRL's Board as your Director and Vice-Director. A glance at the past 12 months within our Division:

— The monthly Rocky Mountain Division net has continued to allow us to meet you on the air, pass on pertinent information, receive your input/ideas/concerns, and otherwise improve communication across our large Division — the good ol' ham radio way.

— We've continued to send monthly or bi-monthly emails, like this one, containing information and announcements to the Rocky Mountain Division membership.

— Our Division website ([www.RockyMountainDivision.org](http://www.RockyMountainDivision.org)) has continued to serve as a source of Division related information.

— Numerous clubs and groups organized and successfully offered hamfests and swapfests across our great Division so hams like you and I could buy/sell gear, expand our knowledge at forums, upgrade our licenses, and strengthen relationships with other dedicated hams.

— Vice Director Dwayne Allen WY7FD and I are grateful for the opportunity to have met and interacted with so many of you to receive your input/ideas/concerns at numerous club meetings, during casual QSOs, on-air nets,

as well as the following hamfests and ARRL conventions over the past year:

— Thanks to you, the clubs you belong to, the volunteer examiners that you know, our Section Managers and their combined 268 member strong field organization, ARRL membership in the Rocky Mountain Division continues its trend of growing membership, currently 6,939 strong. Dwayne and I are grateful for your membership in ARRL.

Above all else, Rocky Mountain Division members like you have been super active. We had a great year on the airwaves, chewing the rag, chasing DX, providing service to our communities in times of need, contesting, chipping away at awards, experimenting with newly built gear, mentoring others, serving within clubs, and more.

A blonde man's dog goes missing and he is frantic. His wife says "Why don't you put an ad in the paper?"

He does, but two weeks later the dog is still missing. "What did you put in the paper?" his wife asks. "Here boy!" he replies.

A blond man is in jail. Guard looks in his cell and sees him hanging by his feet, "Just WHAT are you doing?" He asks. "Hanging myself," the man replies.

"It should be around your neck," says the guard. "I tried that," he replies, "but then I couldn't breathe."

A friend told the blond man: "Christmas is on a Friday this year."

The blond man then said, "Let's hope it's not the 13th."