

RAINBOW CANYONS AMATEUR RADIO CLUB NEWSLETTER

CEDAR CITY, UTAH



Club Websites: www.rcarc.info OR www.rainbowcanyons.com Number 3 – Vol. 10 – October 2021

Club Meeting Information

The RCARC meets at 7:00 p.m. on the 2nd Tuesday of each month at the Cedar City Senior Center, 489 E. 200 South.

2021 Club Officer's

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CQ, CQ, Happy Halloween



Presidents Message

Greetings fellow HAMs!
Summer is over and Fall is making itself known with cooler temperatures! Now is the time to get out and play on the radio before the first snows hit. The Cedar City ½ marathon was a great success and we showed our worth when we had to call in emergency services to help one of the runners. Keep up the good work everyone who volunteers for these events!

It is with great sadness that we say goodbye to Don, WA7GTU (SK). Don helped to build the radio community in Utah and was involved in setting up the intertie system that connects the inter-mountain region. Don's mentorship of HAMs of all ages will be greatly missed, but his legacy continues with his family and with the HAM community for which he gave so much of himself. 73's Don.

Continued on page 2

RCARC Club Nets:

7:00 a.m. Breakfast Net - Monday – Saturday – 146.760.

12:30 p.m. Daily – Utah Beehive Net On 7.272.

8:30 p.m. Tuesday's - ORCA Digital Net. Using FLDIGI, FLMSG AND FLAMP – 3.581 +, 1500/MFSK32.

8:00 p.m. Wednesday – Panguitch Net – 147.160.

7: pm. Thursday– Morse Code Net- This is a Zoom Meeting.

8:30 p.m. Thursday's - WDN Digital Net. Using FLDIGI, FLMSG AND FLAMP – 3.581 +, 1500/MFSK32.

8: p.m. Saturdays – SSTV – 449.925.

9:00 p.m. Daily – Friendship Net – 146.760.

11: a.m. Saturdays (Mtn. Time)
QCWA – 160 Net, Utah Chapter,
12: p.m. Freq. 7.272.

Local Repeaters:

146.980 MHz – Tone 100.0 Hz

146.940 MHz – Tone 100.0 Hz

146.760 MHz – Tone 123.0 Hz

147.160 MHz + Tone 100.0 Hz.

448.800 MHz – Tone 100.0 Hz

146.680 MHz – Tone 100.0 Hz

Remote Bases:

449.500 MHz – Tone 100.0 Hz

449.925 MHz – Tone 100.0 Hz

ILRP/Echolink

449.900 MHz – Tone 100.0 Hz

Save The Date

October 12, 2021

RCARC Club Meeting.

7:00 pm. Cedar City Senior Center,
489 E. 200 South. **Guest speaker,**
Jeri Brummett (W7WJB).

Topic: Cyber Security concerns
faced by Hams.

November 9, 2021

RCARC Club Meeting.

7:00 pm. Cedar City Senior Center,
489 E. 200 South. **Program to be**
determined

December 14, 2021

RCARC Club Meeting.

7:00 pm. Cedar City Senior Center,
489 E. 200 South. **Program to be**
determined

January 11, 2022

RCARC Club Meeting.

7:00 pm. Cedar City Senior Center,
489 E. 200 South. **Program to be**
determined.

President's Message

Continued from page 1.

I hope everyone has been getting out on the radio! Have fun, and play on your radio. As we move into Fall, the temperatures are falling so get out and enjoy the cooler weather before winter sets in. Remember if you need help with setting up your radio, software, or other equipment please ask your fellow HAMs for help. Part of the fun is helping others! As always, I would like to thank everyone who makes our meetings great by asking questions. I would also like to thank all of our net controls for the nets and everyone who participates! We will have our next monthly meeting October 12th starting at 7:00pm at the Cedar City Senior Center. This month we will have a guest speaker who will present on Cybersecurity and HAM radio (W7WJB). Hope you can all make it!

Cheers!

Fred (K17TPD)

RCARC Club Breakfast

Come join us the first Saturday of every month at 9:00 a.m. for breakfast at the Pastry Pub located at 86 W. Center Street, Cedar City.

Note

As some of you are aware on the RCARC.info website I've kept a detailed calendar of club and other Ham related events.

Over the last 5 to 6 weeks the calendar has been deleted twice.

The original calendar and the a second one that I was rebuilding.

I've yet to find out how this is taking place and whom the culprit is.

Please stand by as I move forward to get the calendar back on line. Editor.



Happy Birthday and
Anniversary to those
celebrating in October



This Newsletter is dedicated to
Don Blanchard (WA7GTU) - SK



Breakfast & Friendship Net Awards September 2021

Breakfast Net		Friendship Net	
First Place	Second Place	First Place	Second Place
KI7TPD - Fred	K7ZI - Dick	K7WEP - Paul	N7SIY - Sylvia
KI7WEX - Bonnie	Third Place	KG7VEJ - Jack	KI7SXJ - Isaiah
N7SIY - Sylvia	KI7LUM - Tom	KI7TPD - Fred	K7NKH - Lee
	KG7PBX - Linda	KI7WEX - Bonnie	KI7LUM - Bruce
	K7ZZQ - Johnny	KG7VEJ - Jack	Third Place
		W6DLW - Dennis	K7ZI - Dick
			KA7J - Lance

Rainbow Canyons Amateur Radio Club Treasurer Report as of Aug 31st, 2021 given 9/14/2021

Bank statement balance - Aug 1, 2021 \$2,332.64
 Deposits - Donation from Book Sales + 200.00
 Rocky Mountain Power - 21.96
 Bank statement balance - Aug 31, 2021 \$ 2,510.68

Submitted by
 Linda Shokrian KG7PBX
 2021 RCARC Treasurer
 435-867-5914



Happy Halloween

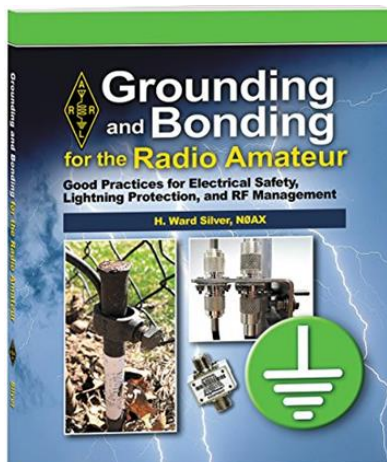
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RCARC October Meeting Book Giveaway

The book shown below will be awarded to one of our RCARC members at our club meeting on October 12, 2021.

This book is being donated by Linda Shokrian (KG7PBX).



RCARC Book Giveaway Winner.

The winner of the September 14, 2021 book giveaway is.
Darlene Shelly – N7WWB



Congratulations
Darlene

Contact Us.

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Cedar City, Utah 84721

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Newsletter E-mail:

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Website

www.rcarc.info

www.rainbowcanyons.com

Face Book Page:

<https://www.facebook.com/groups/440325486875752/>

To Join RCARC or Pay Dues:

Go to www.rcarc.info select "Club Info" and then "Join " RCARC. Follow the instructions on the template.

Make check payable to RCARC.

Please write call sign on check.

Thank You

Note:

WSJT-X revision 2.5.0-rc6 (release candidate 6) is now available on the [WSJT-X website](http://wsjt-x.com). Microsoft Windows users may need to consult the [Release Notes](#) to install OpenSSL, one of its dependencies.



Buzz's October Safety Tip(s)



October is Fire Prevention Month. Here are 10 Home Fire Safety Tips

- 1) **Smoke Alarms** – These are still a very important addition to your home. Smoke alarms are widely available and inexpensive. Install a smoke alarm on every level of your home and test it monthly.
- 2) **Prevent Electrical Fires** – Don't overload circuits or extension cords. Cords and wires should never be placed under rugs or in high traffic areas. Avoid loose electrical connections by checking the fit of the plug in the wall outlet. If the plug loosely fits, inspect the outlet right away. A poor connection between the plug and the outlet can cause overheating and can start a fire in minutes.
- 3) **Keep Plugs Safe** – Unplug all appliances when not in use. Follow the manufacturer's safety precautions and use your senses to spot any potential disasters. If a plug is overheating, smells strange, shorts out or sparks – the appliance should be shut off immediately, then replaced or repaired.
- 4) **Alternate Heaters** – Make sure there is ample space around any portable heating unit. Anything that could catch fire should be at least three feet away. Inspect your chimney annually and use fire screens to help keep any fires in the fireplace.
- 5) **Fire Safety Sprinklers** – When combined with working smoke alarms, home fire sprinklers greatly increase your chance of surviving a fire. Sprinklers are affordable and they can increase property value and lower insurance rates.

Continued next column

- 6) **Create An Escape Route** – Create and practice your escape plan with your family from every room in the house. Practice staying low to the floor and checking for hot doors using the back of your hand. It's just like a routine school fire drill – but in your home.
- 7) **Position Appliances Carefully** – Try to keep TV sets, kitchen and other appliances away from windows with curtains. If there is a wiring problem, curtains can spread a fire quickly. Additionally, keeping your appliances away from water sources (like rain coming in from windows) can help prevent wiring damage which can lead to a fire.
- 8) **Clean Dryer Vents** – Clothes dryers often start fires in residential areas. Clean the lint filter every time you start a load of clothes to dry or after the drying cycle is complete. Make sure your exhaust duct is made of metal tubing and not plastic or foil. Clean the exhaust duct with a good quality dryer vent brush to prevent blockage & check for lint build up behind the dryer at least twice a year.
- 9) **Be Careful Around the Holidays** – If you fill your home with lights during the holiday season, keep them away from anything that can easily catch fire. Check all of your lights prior to stringing them up and dispose of anything with frayed or exposed wires.
- 10) **Conduct Regular Inspections** – Check all of your electronic equipment and wiring at least once a month. Taking a little time to do this each month can really pay off. Following these simple tips could potentially save your life or the life of a loved one. Pass this list on to your friends and family and make this fire prevention month count! End.

Cedar City Half Marathon



On September 11, 2021 Rainbow Canyons Amateur Radio Club (RCARC) members were in place by 6:00 am at their assigned locations along the Marathon course to support the (750) runners participating in this year's Cedar City Half Marathon.

The Cedar City Half Marathon is a perfect high-altitude trainer for those preparing for full marathons, including the Saint George Marathon which is held only a few weeks later.

This 13.1-mile closed-canyon course is one of the nation's fastest courses. Runners descend from 8,408 feet in elevation to 5,600 feet at the finish line.



RCARC members provide information to Race Control in regards to runners that pass their stations. This information is then passed on to Race Management. Members also assist with emergency communications if needed, logistical needs of the Aid Stations in getting additional supplies, water and cups if they run low.

Continued next column

Hats off to Aid Station 3 (Larry Bell – N7SND and Monti Rugebregt – KG7WEN) who learned of a runner in distress a short distance from their station. Larry made his way to the scene and after an initial assessment of the individual the aid station through Race Control requested medical aid.

Medical aid was sent. The individual was transported to the hospital and was diagnosed with altitude sickness and she fully recovered.

Great Job Larry and Monti.

See additional Pictures on page 11



Some Non-Ham Humor

Teacher: How old is your father?

Kid: He is 6 years.

Teacher: What? How is this possible?

Kid: He became father only when I was born.

(Logic!! Children are quick and always speak their minds.)

TEACHER: Maria, go to the map and find North America.

MARIA: Here it is.

TEACHER: Correct. Now, Class, who discovered America?

CLASS: Maria.

TEACHER: Glenn, how do you spell 'crocodile'?

GLENN: K-R-O-K-O-D-I-A-L'

TEACHER: No, that's wrong

GLENN: Maybe it is wrong, but you asked me how I spell it.

(I love this child.)

TEACHER: Donald, what is the chemical formula for water?

DONALD: H I J K L M N O.

TEACHER: What are you talking about?

DONALD: Yesterday you said it's H to O.

TEACHER: Clyde, your composition on 'My Dog' is exactly the same as your brother's. Did you copy his?

CLYDE: No, sir; It's the same dog.

(I want to adopt this kid!!!)

TEACHER: Harold, what do you call a person who keeps on talking when people are no longer interested?

HAROLD: A teacher.

September RCARC Pastry Pub Breakfast Pic's



Members enjoying the new menu items as the Pastry Pub now has new owners and menu.

Ham License Testing

If you've been thinking about getting your Ham license or upgrading to a different classification now is the time.

The RCARC Volunteer Examiners will be on hand to administer the testing at our next monthly meeting on October 12, 2021 at the Cedar City, Senior Center, 489 E. 200 South, Cedar City.

If you plan on testing.

Please contact Ron Shelley at

1-623-261-6555

ronald.shelley@gmail.com

Testing start time 6:00 pm.



Congratulations Are in Order

Congratulation to Kevin Kilcoyne (K2MFK) who upgraded to General Class just before the September 14, 2021 RCARC monthly meeting.

Way to go Kevin.



October EComm meeting.

The next Iron County EComm Meeting is scheduled for October 21, 2021 at 5:30 pm. The meeting will be held at the Cedar City Heritage Center. Address is 105 N. and 100 E. Cedar City, UT. 84720

We will be voting for new officers.

Please come and join us.

All-Hazards Communications Technician (COMT) Training Materials Available: Valuable for all ARES Operators

The All-Hazards Communications Technician (COMT) course trains emergency responders on practices and procedures common to radio communication technicians during all-hazards emergency operations. The course helps communications technicians work within the Incident Command System (ICS) organizational structure.

The Communications Unit, or COMU, falls under the Logistics Section of the ICS. The COMU leader is the COML, and a technician in the COMU is the COMT. Study materials available to help COMT students are also of significant educational benefit to amateur radio operators serving in the COMU, an AUXCOMM group and ARES. The materials include topics such as general terminology, units of measurement, radio wave propagation, voice vs. data systems, and radio system and antenna characteristics.

Below is a selection of training resources that would be valuable reading/training resources for any amateur radio operator engaged in an emergency communications program such as ARES, RACES, and AUXCOMM:

[All-Hazards Communication Technician Pre-Course Study Guide -- 2007](#)

[Auxiliary Emergency Communications: The Emergency Communications Center and the Emergency Operations Center \(EOC\) Unit 1](#)

[Auxiliary Emergency Communications: Roles and Responsibilities Unit 2](#)

[Auxiliary Emergency Communications: Intrastate and Interstate Radio Networks Unit 10](#)

[Communications Unit Leader \(COML\): A valuable Resource for Incident Commanders Brochure -- 2011](#)

Continued next column

[All-Hazards Communications Unit Self-Paced Briefing](#)

[OEC: An Overview of the Communications Unit](#)

[Communications Unit Personnel Position Task Book Sign-Off Process /Template](#)

[Auxiliary Communicator Position Task Book](#)

There are also [more communications unit resources available](#). End.

ARRL Learning Network Webinars



Visit the [ARRL Learning Network](#) (a members-only benefit) to register, check on upcoming webinars, and to view previously recorded sessions.

ARRL members may register for upcoming presentations and view previously recorded [Learning Network](#) webinars. ARRL-affiliated radio clubs may also use the recordings as presentations for club meetings, mentoring new and current hams, and discussing amateur radio topics.

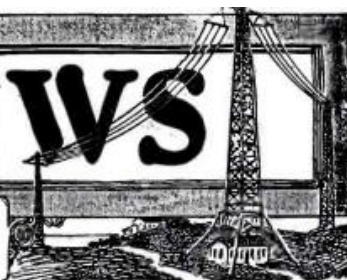
Working the Pileup, presented by Ron Delpiere-Smith, KD9IPO / Tuesday, October 5, 2021 @ 1:00 pm EDT (1700 UTC)

Ron Delpiere-Smith, KD9IPO, Vice President of the Chicago Suburban Radio Association and an ARRL Assistant Section Manager in Illinois, will offer an enlightening discussion on working a pileup from both sides of the contact. Whether your interest lies in ARRL Field Day, contesting, special events, or rare DX, this is a must-see presentation. Ron will discuss search-and-pounce and running techniques, when to use them, and some tips on working them to your advantage.



RADIO NEWS

H. GERNSBACK—Editor
ROBERT E. LACAULT—Associate Editor



Vol. 3

OCTOBER, 1921

No. 4

STUNTS

WE have often mentioned in these columns that there are few individuals who have such a great and wonderful field to work in as the radio research experimenter.

He, perhaps, has more materials to work with, and can choose more various apparatus than in all the other arts combined. There is hardly a material, hardly a piece of apparatus that at one time or another cannot be used in some way in radio work. The most impossible materials that one could think of, are pressed into radio service day after day.

An interesting point in case is the new amplifying loud talker illustrated on the front cover of this magazine. Who would think that an ordinary lithographic stone with a few pieces of other materials would reproduce the human voice loud and clear, much louder and better than the ordinary telephone? Nevertheless, such is the case.

The radio experimenter, as aforementioned, has a tremendous field open to him. There are more so-called fool stunts, and fool experiments that he can make than any one of us could dream of. Just the same, these fool stunts often bring forth something useful, although we do not wish to convey the impression that all such stunts are good. Probably there is not one good one in a thousand or more experiments, but if the researcher starts out with a common knowledge of physics, and has also a good knowledge of electricity in its various phases, he ought to be successful at one time or another.

Some years ago the writer, in one of his other magazines, published an article on talking dynamos, and talking electro magnets. Has anyone ever tried this in connection with radio? The writer very much doubts it, although here is a gold mine for the diligent researcher.

Not so many years ago, an engineer succeeded in making the ordinary incandescent lamp bulb talk loudly and distinctly. Why has no one ever used this idea for radio purposes? And if an ordinary incandescent bulb can be made to talk, why cannot an audion be made to talk in turn? One of these days, a radio bug will give us a good hook-up, which will do away with the phones entirely. He will place his vacuum tube on a resonant base, and with some fool circuit or another, he will make these

lamps talk so loudly that everything can be heard clearly throughout the room.

This stunt, by the way, as far as the detector end is concerned, is not so new. Way back in MODERN ELECTRICS, the writer described a stunt whereby a progressive radio bug placed a safety razor edge against a piece of silicon. The combination talked remarkably well, as far as is known. This has never been made use of commercially, nor has the idea been developed as well as it deserves. There is no reason why all radio crystals should not work in a similar manner. Perhaps by using certain metallic points in connection with a telephone diaphragm, we could get a direct amplification without the use of a telephone receiver. This stunt is worth trying.

Do you know that you can make a telephone merely by driving a two-penny nail in a piece of resonant wood, then wind No. 18 or No. 20 gauge magnet wire around the nail in such a way that the convolutions are loose? *They must not be tight.* When the thus constructed solenoid is in circuit with a microphone, the board will talk distinctly if placed against the ear. Now, here is an idea for radio bugs to exploit. It looks as if the stunt could be made useful for radio purposes.

In the July, 1908, issue of MODERN ELECTRICS, the writer described loud talkers made by means of ordinary paper condensers. If enough condensers are placed in series-parallel, such condensers, *provided they are not compressed*, will talk very loudly. To date, no radio experimenter, as far as we are aware, has succeeded in making a condenser talk in a radio way, but there is no good reason why he should not, and the experiment is eminently practicable.

A talking condenser only works well with a potential of twenty or thirty volts, but have we not got our "B" batteries which run up quite high in voltages, and which are just the thing for this experiment? Naturally, it depends entirely upon the hook-up.

The editor will be glad to hear of any experiments made along this line, and the writer certainly hopes that he has "started something" by giving these few suggestions.

H. GERNSBACK.

In the third paragraph the author refers to a new "Amplifying Loud Talker". Please see page 12 for picture of the device.

AMSAT Shifts to Virtual Format for 2021 Symposium and Annual Meeting

The [AMSAT](#) 39th [Space Symposium and Annual Meeting](#), planned as an in-person event, will now be a virtual event on October 30, due to the lingering effects of the COVID-19 pandemic. This is an opportunity for amateur-radio-in-space enthusiasts from around the world to learn more about AMSAT's Strategic Plan, the GOLF program, the CubeSat Simulator, and other exciting developments in the amateur satellite world.

AMSAT President Robert Bankston, KE4AL, said AMSAT members had voiced concern over the continued COVID-19 pandemic and the risks associated with long-distance travel, as well as attendance at large group gatherings.



"In the interest of everyone's comfort and safety, we have made the difficult decision to return to a virtual meeting platform," Bankston said. "[W]e knows that last year's virtual Symposium event was well received and that we have the opportunity to repeat its success this year."

Those who have already registered for the Symposium will automatically receive refunds. Address questions regarding the Symposium to info@amsat.com.

Continued next column

AMSAT will host its 2021 AMSAT Virtual Space Symposium and Annual General Meeting via Zoom on Saturday, October 30, 1400 UTC - 2200 UTC. It will be available to the general public on [AMSAT's YouTube channel](#) at no cost. The event will be a combination of pre-recorded video segments along with live question-and-answer sessions.

Final papers for the *Symposium Proceedings* must be submitted by October 18. [Send](#) these to Dan Schultz, N8FGV. Symposium presentations should be limited to 15 minutes of pre-recorded video and be [submitted](#) by October 18 to Paul Stoetzer, N8HM. AMSAT asks that presenters be available to take questions via Zoom following their pre-recorded presentations. End.

Some Ham Humor



Antennas are coming into bloom



Cedar City Half Marathon Pictures

continued from page 6



Runners moving down the canyon. [Photo by Brant Palmer.](#)



Runners continue down the canyon. [File photo.](#)



Runners at the halfway point. [File photo.](#)



Jim (KG7SYL) and Nordonna. [Photo by Jack Coulter.](#)



Runners still descending down the course. [File photo.](#)



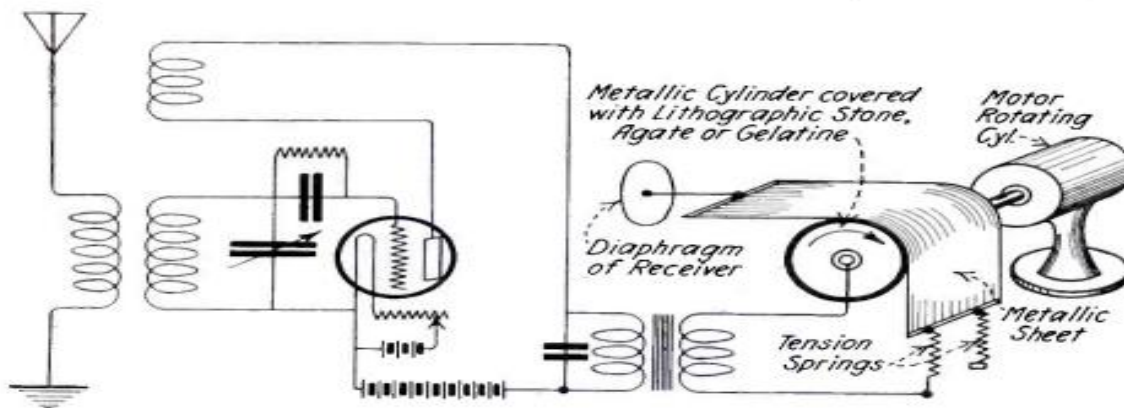
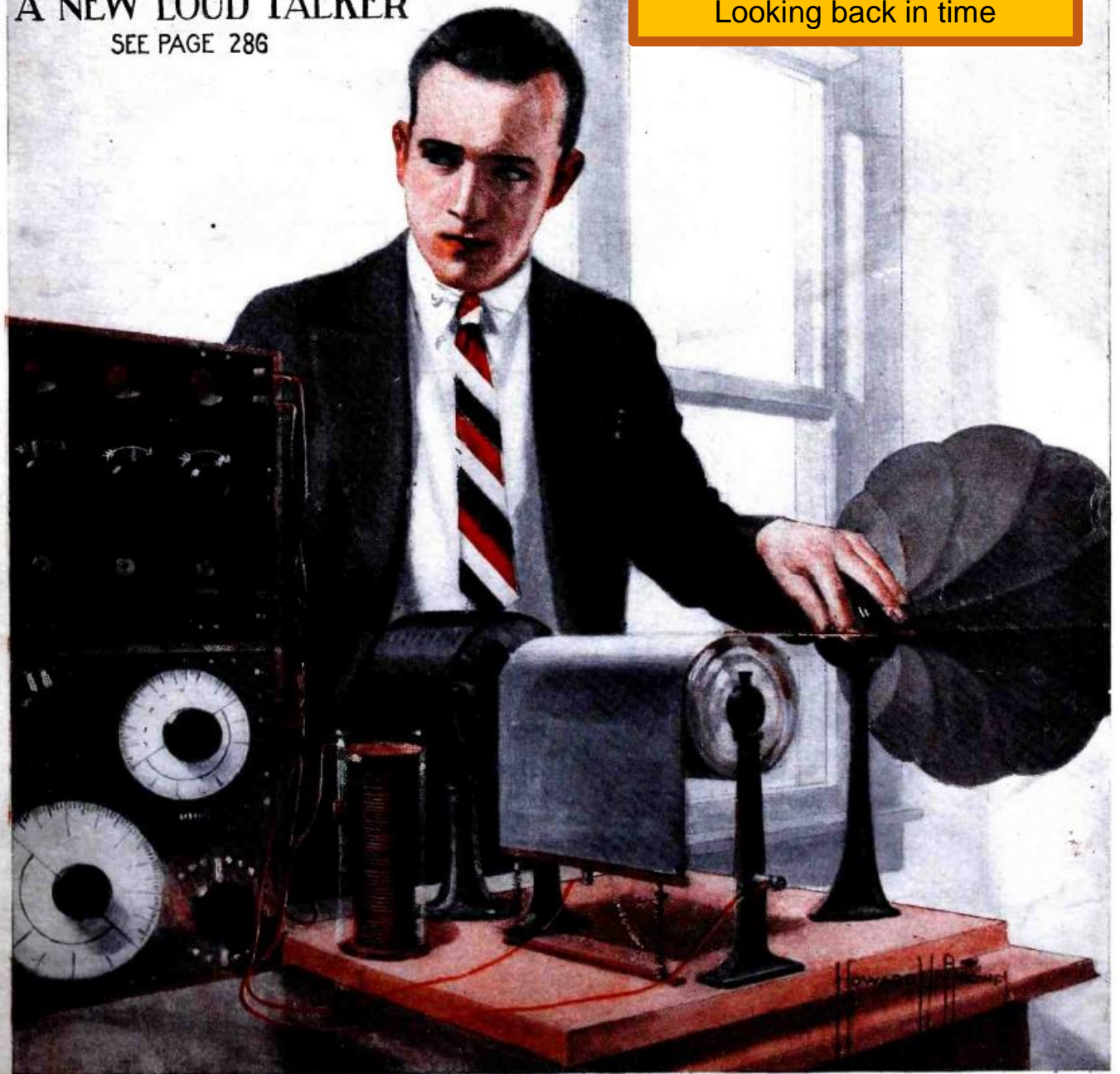
9-11 Tribute. [File photo](#)

Continued on page 15

A NEW LOUD TALKER

SEE PAGE 286

Looking back in time



This diagram shows the loud talker illustrated on the front cover of this magazine, connected to a radio receiver. The functioning of this instrument may be understood by referring to the sketch.

RCARC September 14, 2021 Meeting Pictures.



Members looking at Don Blanchard's radio equipment brought by his son for sale.



Additional, radio equipment for sale picture.



One last picture of radio equipment for sale.



Members signing in waiting for meeting to start.



Another view of members waiting for meeting start.



Fred (K17TPD) starting meeting and checking the Zoom App.
Continued on page 14

**RCARC September 14, 2021 Meeting
Pictures. Continued from page 13.**



Pledge of Allegiance.



Ron (K7HDX) thanking members for their participation in the Cedar City Half Marathon.



Member attendees. There were 51 members signed in including those on Zoom.



Fred (KI7TPD) and Bonnie (KI7WEX) passing out club T-shirts that arrived for distribution.



Fred (KI7TPD) talking with Isaiah (KI7SXJ) and Sylvia (N7SIY) before programming Sylvia's radio.



One more picture of radio equipment for sale

Cedar City Half Marathon Pictures

continued from page 11



We are awesome [File photo.](#)



Aerial view of a section of the race course. [File photo.](#)



Fred (KI7TPD) and Bonnie (KI7WEX) as the race "Sweep" following the last few runners down the canyon to the Coal Creek Trail cut off. [Photo by Bonnie Bain \(KI7WEX\).](#)

2021 ARRL Simulated Emergency Test

ARRL Bulletin 24 ARLB024
From ARRL Headquarters
Newington CT September 23, 2021
To all radio amateurs

SB QST ARL ARLB024
ARLB024 The 2021 ARRL Simulated
Emergency Test (SET) is Just Ahead

The weekend of October 2 - 3 is designated for holding the annual ARRL Simulated Emergency Test (SET), although local and Section-level exercises may take place throughout the Fall. The SET is ARRL's primary national emergency exercise and is designed to assess the skills and preparedness of Amateur Radio Emergency Service (ARES) volunteers, as well as those affiliated with other organizations involved in emergency and disaster response.

The SET encourages maximum participation by all radio amateurs, partner organizations, and national, state, and local officials who typically engage in emergency or disaster response. In addition to ARES volunteers, those active in the National Traffic System (NTS), Radio Amateur Civil Emergency Service (RACES), National Weather Service (NWS) SKYWARN, Community Emergency Response Team (CERT), and a variety of other allied groups and public service-oriented radio amateurs are needed to fulfill important roles in this nationwide exercise.

The SET offers volunteers an opportunity to test equipment, modes, and skills under simulated emergency conditions and scenarios.

Individuals can use the time to update a "go-kit" for use during deployments and to ensure their home station's operational capability in an emergency or disaster. To get involved, contact your local ARRL Emergency Coordinator or Net Manager.

We are coming upon the Holiday season and as we all know the Crooks get in to full throttle to see how much of our money they can steal. Listed below are a few Fraud tips to assist you in keeping your money and thwarting these germs.

GOOD REMINDERS - THINGS YOU CAN DO TO AVOID FRAUD

Crooks use clever schemes to defraud millions of people every year. They often combine new technology with old tricks to get people to send money or give out personal information. Here are some practical tips to help you stay a step ahead:

Spot imposters. Scammers often pretend to be someone you trust, like a government official, a family member, a charity, or a company you do business with. Don't send money or give out personal information in response to an unexpected request — whether it comes as a text, a phone call, or an email.

Do online searches. Type a company or product name into your favorite search engine with words like "review," "complaint" or "scam." Or search for a phrase that describes your situation, like "IRS call." You can even search for phone numbers to see if other people have reported them as scams.

Don't believe your caller ID. Technology makes it easy for scammers to fake caller ID information, so the name and number you see aren't always real. If someone calls asking for money or personal information, hang up. If you think the caller might be telling the truth, call back to a number you know is genuine.

Don't pay upfront for a promise. Someone might ask you to pay in advance for things like debt relief, credit and loan offers, mortgage assistance, or a job. They might even say you've won a prize, but first you have to pay taxes or fees. If you do, they will probably take the money and disappear.

Consider how you pay. Credit cards have significant fraud protection built in, but some payment methods don't. Wiring money through services like Western Union or MoneyGram is risky because it's nearly impossible to get your money back. That's also true for reloadable cards (like MoneyPak or Reloadit) and gift cards (like iTunes or Google Play). Government offices and honest companies won't require you to use these payment methods.

Talk to someone. Before you give up your money or personal information, talk to someone you trust. Con artists want you to make decisions in a hurry. They might even threaten you. Slow down, check out the story, do an online search, consult an expert — or just tell a friend.

Hang up on robocalls. If you answer the phone and hear a recorded sales pitch, hang up and report it to the FTC. These calls are illegal, and often the products are bogus. Don't press 1 to speak to a person or to be taken off the list. That could lead to more calls.

Be skeptical about free trial offers. Some companies use free trials to sign you up for products and bill you every month until you cancel. Before you agree to a free trial, research the company and read the cancellation policy. And, always review your monthly statements for charges you don't recognize.

Don't deposit a check and wire money back. By law, banks must make funds from deposited checks available within days, but uncovering a fake check can take weeks. If a check you deposit turns out to be a fake, you're responsible for repaying the bank.

Sign up for free scam alerts from the FTC at [ftc.gov/scams](https://www.ftc.gov/scams). Get the latest tips and advice about scams sent right to your inbox.

If you spot a scam, report it at [ftc.gov/complaint](https://www.ftc.gov/complaint). Your reports help the FTC, and other law enforcement, investigate scams and bring crooks to justice.

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PACIFICONSM 2021

**San Ramon Marriott
2600 Bishop Drive
San Ramon CA 94583**

**IN PERSON!
Friday through Sunday
Oct. 15-17, 2021**

PacificonSM Registration is Open!!

See our [Registration Section](#) for Attendee, hotel guest room, and other registrations.

Pacificon is committed to keeping our guests and staff as safe as we can during our convention. We will follow the recommendations and mandates from the Contra Costa County health officials that are in effect at the time of the convention.

In compliance with those mandates, **to attend Pacificon 2021 you must verify** that you are either 1.) fully vaccinated at least two weeks prior to the event or 2.) have a negative result on a COVID test taken no more than 3 days prior to the event. Also, attendees will be required to wear a mask in all public areas.

Please study [Pacificon's COVID-19 Action Plan](#) for details on what you must bring with you to attend Pacificon.

We appreciate your cooperation, as we are striving to make Pacificon 2021 as safe as possible for everyone.

PacificonSM gives you three great days of activities for one low cost:

- * A full slate of outstanding Forum presentations about a wide range of amateur radio topics
- * Gordon West
- * A large Vendor Expo filled with exciting products and exhibits
- * An outdoor Swap Meet
- * Youth Activities
- * Electronics kit building and soldering instruction
- * A One Day License Prep Class to prepare you to pass the amateur radio Technician license examination and get your first amateur radio license
- * A One Day License Prep Class to prepare you to upgrade to the General Class level.

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Two days of License Testing

- * A Special Events Station where you can operate and contact other hams worldwide, even if you don't have a General or Extra Class license
- * A wonderful Banquet with Keynote Speaker
- * Our annual Wouff Hong Initiation ceremony
- * A chance to hear about and discuss important national amateur radio issues with top ARRL leaders
- * A chance to win radios and other great prizes throughout the convention

And perhaps the best part - *a chance to interact and share information with lots of other amateur radio enthusiasts to further (or begin) your own knowledge and to advance the hobby.*

ARRL, RSGB Announce Joint Events to Celebrate Centenary of Ham Radio Transatlantic Success

ARRL and the Radio Society of Great Britain will jointly sponsor events to celebrate the achievement of transatlantic communications by radio amateurs 100 years ago.

In December 1921, ARRL sent Paul F. Godley, 2ZE, as its representative to listen for amateur signals from North America during the Second Transatlantic Tests. Setting up his listening station in Ardrossan, on the west coast of Scotland, Godley received the signals of more than 2 dozen US amateur radio stations, the first on December 12 (UTC) from 1BCG in Connecticut, operated by members of the Radio Club of America. The message read: "Nr 1 NY ck 12 to Paul Godley, Ardrossan, Scotland. Hearty Congratulations. (Signed) Burghard Inman Grinan Armstrong Amy Cronkhite."

These successful transatlantic tests and the ones that followed spurred technological advances and new global wireless distance records. Several amateur radio operating events this year and next will commemorate the centenary of these significant milestones that heralded the dawn of two-way international amateur radio communication.

ARRL and RSGB will activate special event stations for 6 hours (0200 - 0800 UTC) on December 12 for the 160-meter Transatlantic Centenary QSO Party. RSGB will activate GB2ZE from Scotland, with a team of stations from the GMDX Group sharing operating duties. ARRL will activate W1AW. The stations will operate only on CW. If transatlantic propagation holds up, the stations may continue to operate beyond 0800 UTC.

The GMDX Group of Scotland will award a *quaich* -- a traditional Scottish drinking cup representing friendship -- to the first stations in North America and the UK to complete contacts with both W1AW and GB2ZE during the QSO party. A commemorative certificate will be available for download.

RSGB and ARRL are also organizing an international amateur radio marathon on the HF bands to commemorate transatlantic tests held between 1921 and 1923. The Transatlantic Centenary Marathon will take place in December 2022. The objective will be to mark these historic events by encouraging all radio amateurs to get on the air. Event details are pending. **Continued on page 19**





Paul Godley, 2ZE

ARRL and RSGB have assembled a list of stations and groups that are also organizing events and activities to celebrate 100 years of amateur radio transatlantic communication. For more information, visit arrl.org/transatlantic and rsgb.org/transatlantic-tests. The sites also include links to many previously published articles and presentations covering the historic tests.

Additional events and commemorations include:

- **[Radio Club of America \(RCA\) Transatlantic QSO Party](#)**, 1200 UTC on November 13 to 0400 UTC on November 14, 2021 (16 hours total). The QSO party commemorates the contribution of members of the Radio Club of America who constructed and operated the 1BCG transmitter site in Greenwich, Connecticut, that sent the first message received by Paul Godley, 2ZE, in Scotland.

- **W1AW Commemorative Transatlantic QSL Card**. Stations making contact with the Hiram Percy Maxim Memorial Station, W1AW, between December 11, 2021, and December 31, 2022, qualify to receive a commemorative W1AW QSL card. US stations should QSL with a self-addressed, stamped envelope; international stations should QSL via the

Bureau.

- **The 2021 [ARRL 160-Meter Contest](#)**, 2200 UTC on December 3 - 1559 UTC on December 5. This 42-hour, CW-only contest is most similar to the original Transatlantic Tests of the early 1920s. Stations in the US and Canada work each other as well as DXCC entities. RSGB is planning to activate one of the original call signs used in the Transatlantic Tests, with up to seven different prefixes from the UK and Crown Dependencies. Look for G6XX (England); GD6XX (Isle of Man); GI6XX (Northern Ireland); GJ6XX (Jersey); GM6XX (Scotland); GU6XX (Guernsey), and GW6XX (Wales).
- **Special Event GB1002ZE**, December 1 - 26, 2021. The Crocodile Rock Amateur Group (CRAG) based near Ardrossan, Scotland, will activate the special event station GB1002ZE to commemorate the successful reception of amateur transatlantic signals by Paul Godley, 2ZE, in 1921. The RSGB encourages stations in the UK and Crown Dependencies to append the suffix "/2ZE" to their station's normal call sign throughout the period, as authorized by UK regulator Ofcom. End

Registration Opens for US Amateur Radio Direction Finding Championships

[Registration](#) is now open for the 2021 US and IARU Region 2 Championships of Amateur Radio Direction Finding (ARDF), set for October 13 - 17. Competition venues will be near Asheboro, North Carolina. Postponed from 2020, these championships will be conducted in accordance with CDC COVID-19 guidelines. **Continued next column**

"The US ARDF Championships are an ideal opportunity to watch and learn from the best radio-orienteers in the US," said ARRL ARDF Co-coordinator Charles Scharlau, NZ0I. "Winners who qualify by citizenship or residence may be selected for positions on ARDF Team US, which will travel to Serbia for the 2022 ARDF World Championships."

Wednesday, October 13, will be a model event for equipment testing and a competitor briefing.

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Registration Opens for US Amateur Radio Direction Finding Championships Continued from page 19

Thursday, October 14, will be devoted to the [Sprint](#) championship, a short course with 12-second fox transmissions instead of the usual 60 seconds.

Classic 2-meter and 80-meter competitions will take place on Friday and Sunday. Between the days of classic competitions will be [Foxoring](#), a combination of radio direction-finding and classic orienteering, held on Saturday morning. An outdoor pizza picnic will be held on Saturday evening. Presentation of medals for foxoring, sprint, and Friday's classic event take place at the picnic. Awards for Sunday's Classic competition will be presented immediately after the competition.

Three optional practice days are planned for Sunday through Tuesday, October 10 - 12, just prior to the championships. A practice event on Sunday in Chapel Hill, North Carolina, will provide the experience of a full ARDF course in a friendly environment, with the clock as the only opponent. The practices on Monday and Tuesday will be held in Durham, North Carolina, and will offer informal sessions in which the participants help with setting the transmitters in the woods.

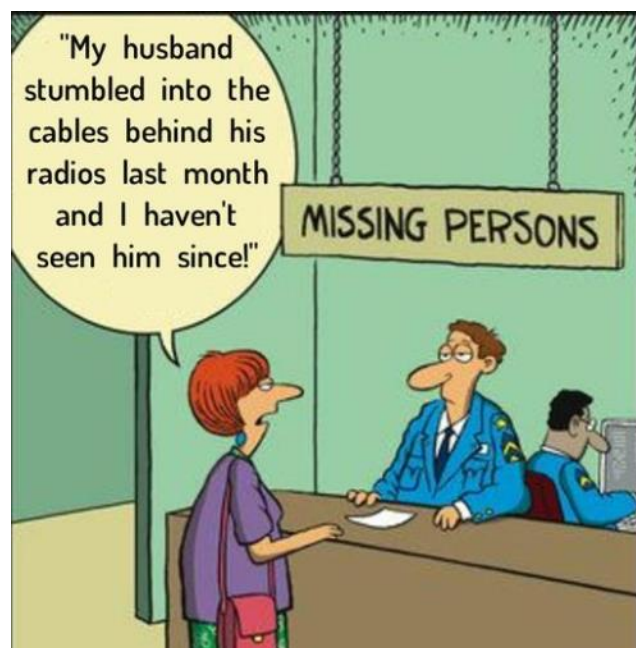
Experienced radio orienteers and event organizers from the Backwoods Orienteering Klub ([BOK](#)) will organize the 2021 US and IARU Region 2 Championships.

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An [email reflector](#) is available for questions and answers with the organizers, as well as for coordinating transportation and arranging equipment loans. -- Thanks to Joe Moell, K0OV Read [an expanded version](#).



QRO





DON'S (WA7GTU) OBITUARY

Don Lee Blanchard, 82, passed away on September 4, 2021 at his home in Cedar City, Utah. He was born on January 18, 1939 in St. Anthony, Idaho to Laura Jean Murdoch and Charles Angus Blanchard. He was the third of six children, and grew up farming in nearby Chester. After graduating college, Don moved to Cedar City in the fall of 1964 to teach Technology at the College of Southern Utah (now SUU) where he met his wife, Linda Lee Woollard. They married on December 18, 1967 and enjoyed 54 years together with their four children, eight grandchildren, and close extended family.

Don served in the Idaho National Guard and completed an honorable mission to Northern California for the Church of Jesus Christ of Latter-Day Saints.

He attended Ricks College, BYU, USU, and earned a Doctorate of Education from Arizona State University. Don devoted his 40-year professional career to building the Technology Education department at SUU. He was Teacher of the Year in 2002 and served as department chair twice. Don was an extremely social and service-oriented man. He served in many callings for the Church of Jesus Christ of Latter-Day Saints including High Councilor and Temple Worker, but his favorite was teaching others as a Family History Consultant for more than 25 years. He was a charter member of the Cedar Valley Lions Club and served as President four times. Don was appointed to the Iron County Merit Commission and served for ten years assisting the Sheriff's Office with hiring and rank advancements.

He was President of the Cedar City Radio Control Club for six years.

He received Community Emergency Response Team training and served as the Iron County Emergency Communications Coordinator. Friends and colleagues were always welcome in the Blanchard home. Don was famous for cooking Dutch oven chicken, pizza from scratch, and his family's secret-recipe meatballs which appeared annually at their New Year's Day party.

Don served for decades in the Boy Scouts of America. He began as a Scoutmaster in 1984 and eventually received the 2nd Miler, District Award of Merit, and Silver Beaver awards and was active in the Order of the Arrow as a member of the staff for many camps. He received advanced training at Wood badge and passed on that leadership training to Boy Scouts through the Timberline course. He was invited to participate in training at Philmont Scout Ranch and was honored to be invited back as an instructor the next two years.

Don was an avid hobbyist, and he often incorporated service into his recreation. He was the first SCUBA instructor at SUU. In addition to vacation dives, he also helped recover drowning victims. **Cont. page 22**

He taught his children to ski while serving with the Volunteer Ski Patrol at Brianhead. He enjoyed woodturning and donated handmade ornaments to the Festival of Trees. At various points in his life, he pursued wood carving, carpentry, silver casting, gold panning, astronomy, photography, flying drones, water skiing, etc. He especially loved hobbies which combined building and technology such as radio control model airplanes and 3D printing. However, his first love was amateur radio. Don has been known by his call sign WA7GTU for over 50 years, and he remained an active HAM operator until days before his death.

Don was instrumental in building, installing, and maintaining a network of repeaters now known as the Intermountain Intertie System comprised of 23 continuously linked repeaters in five states. Don was a friendly and familiar voice on the airwaves, especially on the Beehive Utah Net where he often served as net control. He served as Vice President of the Utah VHF Society for 22 years and obtained non-profit status for the club.

Don is survived by his wife Linda and children David (Jamie) of Finksburg, Maryland, Duane (Alisen) of Snoqualmie, Washington, LeeAnn of Baltimore, Maryland, and Darin (Jamie) of West Valley, Utah. Don's grandchildren Chase, Madelynn, Morgan, Mason, Sydney, Ashton, Henry, and Chandler will all miss him dearly. Don's two surviving sisters, Jo Anne Gardner (Randy) of Washington, Utah, and Marlene Floyd of Washington, Utah, and sister-in-law Lois Overton of Colorado Springs, Colorado are grateful for his kindness and support throughout their lives.

Funeral services will be held on Saturday, September 11, 2021 at 1:00 pm at the Church of Jesus Christ of Latter-Day Saints located at 3575 North Minersville Hwy, Enoch, UT, 84721. Viewings will be on Friday, September 10, 2021 from 6:00-8:00 pm at Southern Utah Mortuary and from 12:00-12:45 pm on Saturday at the church before the funeral. Interment will be a private ceremony in Ashton, Idaho at a future date. Online condolences can be sent at www.sumortuary.com. In lieu of flowers, the family requests donations be sent to the Southern Utah University Emeriti Association Scholarship Fund. Don was an educator at heart, and he would be proud that his legacy of teaching students extends beyond his lifetime.

To Honor Don Blanchard.

Please donate to the SUU Emeriti Fund.

Here's some basic info on how to make a gift in honor of the emeriti to the Emeritus Endowed Scholarship:

Via mail:

Mail a check to:

Advancement Office

Southern Utah University

351 West University Blvd

Cedar City UT 84720

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Write check to 'SUU Emeriti Fund, Don Blanchard 'also write Don Blanchard on the memo line of your check.

On the web:

Gifts can be made online at <https://www.suu.edu/advancement/giving.html>

Click 'Make a gift'

Under 'Scholarships or Programs to Support', enter 'Emeritus Scholarship'

Click 'Submit to enter contact and payment information

Any questions on making a gift can be directed to:

Ryan Stringfellow, College of Sciences Development Director

ryanstringfellow1@suu.edu | . (435) 477-2501

