

"DRUMLINS RUMBLINS" - APRIL 2025



WE'RE meeting at the WAYNE COUNTY SECOND FLOOR EOC ROOM

Wayne County Public Services Building 7227 Rte 31 Lyons NY 14489

WEDNESDAY APRIL 16th MEETING START 7:30PM

REMEMBER: The front door and the EMO entrance will be unlocked from 6:30-7:30pm.

So arrive in this time period for an easy entry.



*****YOU HAVE A LITTLE LEEWAY TO GET IN UNTIL 7:55PM!



Bring \$\$\$\$ for treats & a 50/50



PRESIDENT'S KORNER

HAMFEST - HAMFEST - HAMFEST - HAMFEST - HAMFEST - HAMFEST !!

It is that time of the year! (Yes, it is hard to believe. You haven't slowed time down like I've asked! Hi hi.) Your help is needed. **Setup April 18th, Friday 4:00PM** at the Palmyra VFW! Pizza reward for the setup crew! (Who doesn't like pizza? By the way, say "Happy Birthday" to Lloyd KB2FSB when you see him.) Saturday, April 19th-HAMFEST day!- 6:00AM for all you workers! The **CLEANUP** after is needed after for our friends at the VFW. Any help you can give is really really appreciated and sure welcomed!!!!!!!!!!!!!! We have a drawing at the end of the cleanup for an ARRL certificate \$\$\$\$ prize as an incentive.

Drumlins Annual Spring Fling

Saturday April 5, 2025

Of course we have our really fun fun times, too, as an ARC! Look at the **Spring Fling** last Saturday, April 5th! We had 22 out for the event. The food was great and the camaraderie was even better. Good looking bunch!!!!



It was great to see all the happy faces, good talk and all just enjoying themselves and no dirtying dishes up at home. (No "KP" for anyone makes a happy home scene. Hi hi.) Thanks to Sabrina WD2STK and Jay KC2TCM for

coming up with a crafty and cool idea with a drawing guessing how many peanut M&Ms were in a jar!!!!!! You couldn't go over the exact number and it had to be the exact or closest to the total! (I was waaaaaaaay off

. :-){ I'm too right brained. Hi hi. The XYL did better but not enough. She loves peanut M&Ms!!!!!!)



269=



And the **winner** was LLOYD KB2FSB and look at his XYL, Joan's, happy expression! Look at the decoration on the jar top thanks to Sabrina! "FB!" and well done, Sabrina. (The XYL did break down and buy a couple of those Lent milk chocolate bunnies Sunday. Shhhhhh, she all of hers in a couple of days. Hi hi.)



The talk at my end of the table was



my XYL's "radio

tube" necklace she wore. (I told her to say the American "tube" and not the British "valve" terminology. Hi hi.) This was the first time she has worn it for a "radio" event. For you interested OMs and YMs, I got the necklace at our hamfest last year. YL selling them was in a picture in the 2024

May "Drumlins Rumblins." She has an Extra ticket and her dad and sister were selling microscopes and scientific "stuff." (All to left brain for me. Hi hi.) I think the dad and sister have their tickets, too. (Of course, I was tickled pink to see she wore her necklace. Well yea!!!)

Enough of the Spring Fling but I want to harass you enough to look forward to attending next year's Spring Fling. Here is a **friendly reminder** to look for the date for our **August 2025 DARC Picnic** this year!!!!

WELCOME A **NEW MEMBER** TO DARC: **NOAH DOBBINS**. He lives in Lyons so hopefully being so close to our meeting place, we will get an "eyeball QSO" with Noah at a meeting. (Noah, hopefully, my right brain remembers to add you to the newsletter email so you can read this. Oh, I have goofed up at times with the email.)



FINALLY

the March meeting, the members approved \$5.00 off if you order a Field Day (FD) SHIRT, thru the club which Rich KC2TNJ is taking orders. He already sent on email out but pay attention if you not contacted him yet !!!!!!!!!!!!!!!!!!!!!!!!!!!!!!! **CHECK YOUR EMAILS !**



RACES-ARES APRIL 2025



*******STATE FEMA GRADED GINNA DRILL JUNE 4 WEDNESDAY*******

My list of **RACES helpers** is growing but I still need to hear from some of you to **confirm** you will be helping,

PLEASE!!!!!!!!!!!!!!!!!!!!!!

THERE IS NO WARECS RACES NET EASTER SUNDAY APRIL 19TH !

(THE PUBLIC SERVICE EVENTS ARE LISTED AGAIN AT THE END OF THE NEWSLETTER!)



The KB2KBY QTH had a nice "April Fool" Day surprise! "Who is buzzing our



apartment buzzer?"

Our Willow!!!! She and her Mom, our daughter, had doctor appointments in Perrinton. So, they thought they would surprise us! What a surprise it was!! I mention this to you DARC members, as Willow and her sister, Maryn, attended quite a few of our August DARC Picnics when they were very little- like when they were 8 and 4 years old. In fact I came across a very old picture of Willow that I



put in the Drumblins Rumblins. Remember?

Oh, I tried getting Willow to be a good CW fist. :-){ But time would tell and Willow never got hooked on the "key" and Morse code. That is okay. She is a senior now and 18 this past January. What a joy Willow is and what a surprise for April Fool. We'll take many more of



these days. Hi hi. Right!

Congratulations – Duncan – K2OEQ !

[“The AWA Journal” Spring 2025 Vol 65 / #1]

AWA 2024 CLASS OF FELLOWS

Elevation to the membership status of Fellow in the Antique Wireless Association is by nomination and recognizes contributions to the success of AWA or to the history of science or communication which are deemed outstanding by the AWA Board of Trustees. The AWA Board of Trustees is proud to elect the following AWA members to the level of AWA Fellow.

DUNCAN BROWN, K2OEQ

Duncan is an Assistant Museum Curator, and has been an active member of AWA since 2005. For most of that time he has been a contributing member of the Museum Staff, and brought us an unusual and much-needed military training background in Radio teletype communications. Those skills were much needed by the AWA Museum and Duncan’s personal interest in the subject has made him a recognized expert in the field. Over the years, due to his dedication and leadership, he has established at the AWA Museum a recognized world-class collection of RRTY equipment and historical artifacts, and shares his knowledge with other like-minded historians everywhere. In 2023, Duncan has received the AWA Vice President’s Award.



CONGRATS, Duncan! Duncan is one of my ASA comrades and a DARC member! I get to see him most Saturday mornings out for breakfast with the Harris Radio ham group. He is a BIG time member of the AWA and volunteers there a lot. So this recognition for Duncan is well deserved. **FB, Duncan!**

MEETING PROGRAM: Bouncing signals off rocks in space? What is **Meteor Scatter** by Kevin VK4UH



**Meteor =
“Shooting Star” “Falling Star”
“Wishing Star”**

Come and see what it is all

about!

HamSCI Call for Operators and Monitors 2025

04/04/2025

HamSCI, Ham Radio Science Citizen Investigation, is preparing now for a series of meteor scatter (MS) experiments later this year and need amateur radio operators to help.

While the target storms are in August (Perseids) and December (Geminids) preparation and testing is already underway. This is a combination 'special event' and a contest to generate contact data during meteor scatter events using 10 meters and 6 meters. 2025 contest rules will be released shortly.

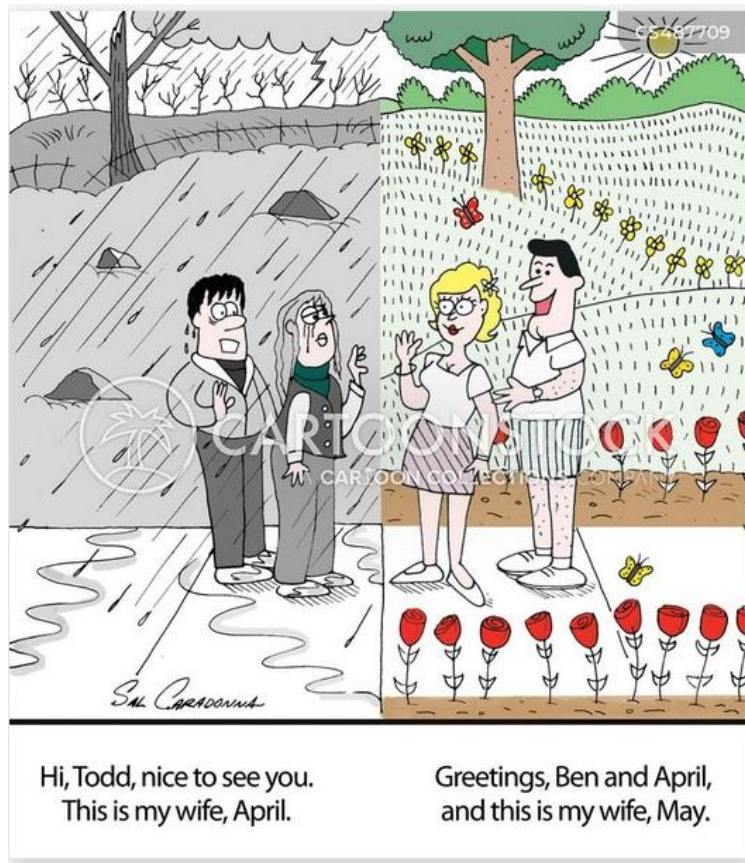
To be successful, this effort needs operators, both active and passive. Operators are needed to be active (calling CQ) on MSK144 or passive, if possible, reporting via [PSK Reporter](#) as 'monitors'.

The best times are early morning hours prior to 10M opening to F2 propagation. Meteor scatter propagation occurs well below F2 and is supported in or near the E layer where the meteor ionization tracks occur. Saturday mornings are being used regularly to announce and coordinate 10M contacts using [Ping Jockey Central](#). Announcements are also made on the Front Range Six Meter [groups.io](#) due to the substantial number of meteor scatter operators in that group.

The upcoming April-Lyrids shower is an excellent time to set up your equipment and join with other operators preparing for the events later this year. If you do not have the time to be active, at least set up passive reporting. PSK Reporter currently has scarce 10M MSK144 monitors; so we need to increase those numbers during the early morning hours. Eventually, the HamSci team will be collecting operator contact information, but for now, all that is required is for participants to report through PSK Reporter. For more information on the operating guidelines for the activity, please visit [Meteor Scatter QSO Party Guidelines | HamSCI](#) .

HamSCI serves as a means for fostering collaboration between professional researchers and amateur radio operators. It assists in developing and maintaining standards and agreements between all people and organizations involved. Its goals are to advance scientific research and understanding through amateur radio activities, encourage the development of modern technologies to support this research and provide educational opportunities for the amateur community and the public.

For more information about HamSCI and to join our mailing list, please visit our website www.hamsci.org.



NOTICE THE **"#1200" NETS** FOR TOM IN THE PICTURE! OUR APRIL MEETING WILL BE **#1249**!!!!!!!!!!!! FB!



STILL GOING STRONG!!!!. Kudos, Tom! Get acquainted with some of our SIARC friends and the surrounding counties. **Thank you, Tom, for being so patient and sacrificing your time.**

Tom's SIARC health and welfare net is open to all hams that can hit the **146.820 repeater (tone 110.9)**, either mobile or from your QTH. Just listen to Tom's or the NCS's instructions always given first as the net starts like we all know as hams and used to a SOP. So listen for the SOP at the beginning of the net. Only the third Wednesday of the month, the SIARC meeting night, is there no net.



Pierce County deputies use Morse code to rescue stranded elderly man in Tacoma home

by Ryan Simms, KOMO News Reporter /Wed, January 8th 2025 at 10:24 PM/Updated Wed, January 8th 2025 at 1:13 PM



An image of Pierce County Sheriff's Department deputies conducting a welfare check while using Morse code on the afternoon of December 18, 2024. (Courtesy: PCSD)

TACOMA, Wash. — Deputies with the Pierce County Sheriff's Department (PCSD) used one of the rarest forms of communication to reach an elderly man who had fallen and was stranded inside his home.

That man was unable to talk or text on the phone, so deputies used Morse code to verify that he needed assistance and medical aid. The incident happened on December 18, 2024, along the 10200 block of Sheridan Avenue South in Tacoma.

According to a PSCO news release, deputies were summoned to the home by the man's acquaintances who had not seen or heard from him in four days.

During the welfare check, body camera footage shows deputies repeatedly banging on the man's door, asking if he was inside the home and if he was okay. Moments later, the video shows a deputy peering through one of the windows, where he observed the man on the floor, largely unresponsive.

Despite the severity of the situation, deputies were prevented from breaking down the home's doors because of a state law that requires some kind of approval by a home's owner to enter a property during non-violent emergencies. As part of that law, a homeowner must signal in some way that they need help before authorities barge in.

With verbal approval impossible, deputies turned to Morse code for help.

"If you need help, can you tap (the floor) twice?" one deputy asked the man, according to body camera footage. From there, he tapped twice, signaling the need for assistance.

"Okay, yeah, he needs help," a deputy said.

From there, the rescue was then on.

"You get that confirmation that somebody is on the other side of that wall, there is an adrenaline dump," said Deputy Carly Cappetto, Pierce County Sheriff's Department.

As seen on the body camera video, bolted doors and blocked-off entrances presented a challenge. As a result, it took deputies several minutes to gain entry into the home and reach the man.

He was taken to the hospital and should be okay in the long run.

All of it is the result of an unmistakable, unforgettable tap.

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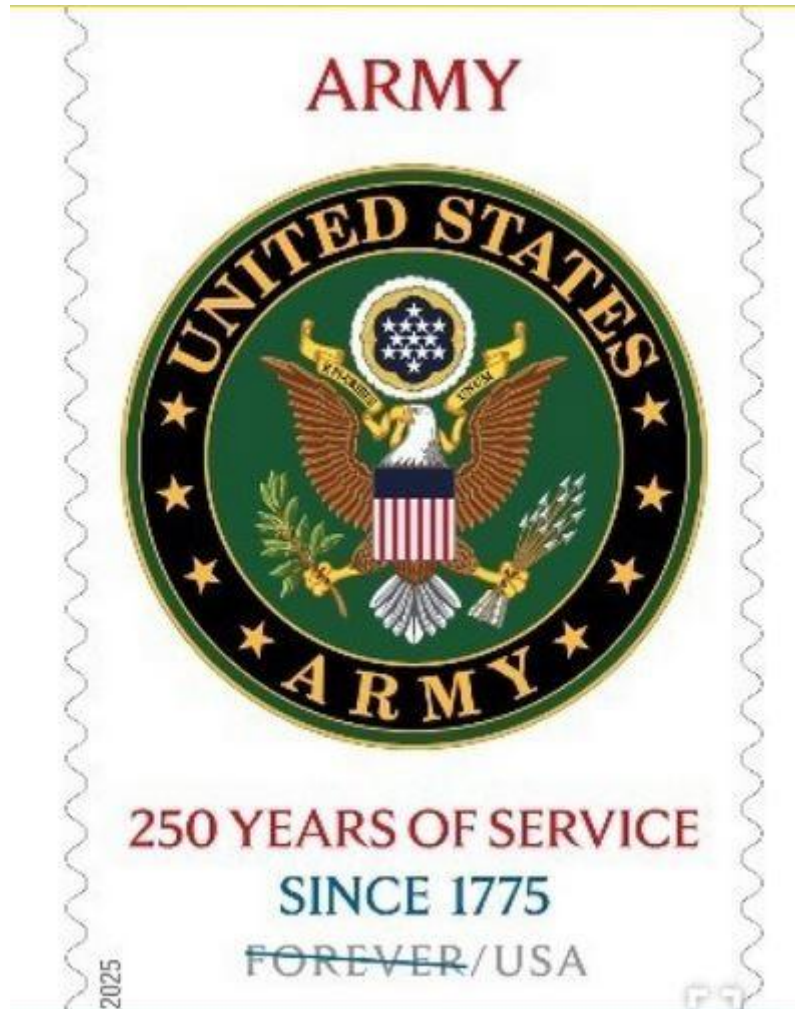
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JUNE 14th, 2025 FLAG DAY IS THE BIRTHDAY OF THE U.S. ARMY

The USPS will have a special stamp commemorating this historic event.

[This means the U.S. NAVY and the U.S. MARINES will celebrate their 250th birthdays as well.]

SATURDAY MAY 3RD – BLOOMFIELD NY – MARK YOUR CALENDAR

The annual ***AWA Spring Meet, Flea Market & Auction*** will be held at Veteran's Park in Bloomfield, NY. The park is just across the road from the AWA Communication Technologies Museum, 6925 State Route 5, just east of the intersection of Routes 5 & 20 and Route 444. AWA will be operating a ***Museum Bargain Table*** and a large ***Museum Book Sale*** in the former AWA Annex building located in the park. Also, an ***Open Flea Market*** will be held for visitors and members.

As part of the meet, AWA will hold an ***Auction*** of duplicate and surplus items from the Museum's artifacts. Don't miss it! This auction will be held in the afternoon in the former ***AWA Annex***. Payment must be by cash or check. We will not be able to accept credit cards. Auction items will be listed on the AWA web site as they are identified. Watch for updates to the list.

Schedule

Time	Event
7 AM- Noon	<i>Open Flea Market</i> , at Veteran's Park
8 AM- Noon	<i>AWA Bargain Table & Book Sale</i> , in Annex
10 AM – Noon visitors	<i>AWA Communication Technologies Museum</i> open for
8 AM – 1 PM	<i>Auction pre-view</i> , at the former AWA Annex
1 PM – To End	<i>AWA Auction</i>

Admission for the Day including the Museum is \$5

Flea Market Vendor Pass is an additional \$7

FOR HAM CONTESTS A NEW SITE I FOUND: www.contestcalendar.com

Public Service Events for 2025:

April 26—**Wild Water Derby**, Shortsville

April 27—**Seneca 7 relay** run race around Seneca Lake

June 7—**Tour De Cure**, Stokoe Farms, Scottsville (details at www.rochesterham.org)

June 13—Shortsville Fire Department **Parade**

July 13—**Musselman** Ironman, Geneva

August 2—Phelps **Sauerkraut Festival** Krauter races

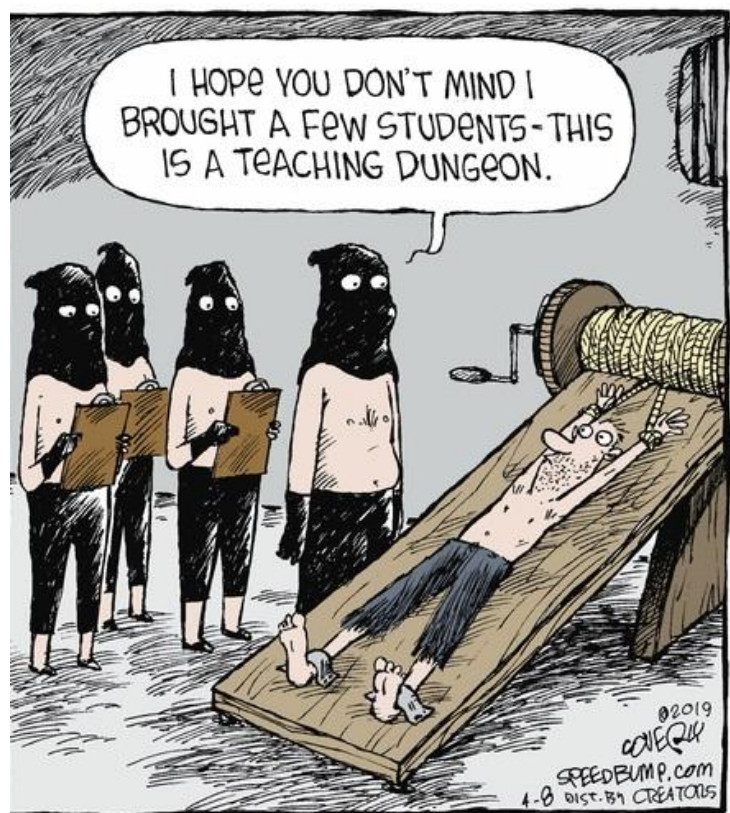
September 7—Finger Lakes **Triathlon**, Canandaigua

October 5—**Wineglass Marathon**, Steuben County

October 30 and 31—**Pumpkin Patrol**, Thruway bridges

ARRL Field Day is June 28 and 29- Big M Game Club in Clifton Springs

The **New York State RACES net** is held each Sunday morning at 9am on 7281khz LSB and members are always welcome to check in and get more training on HF net operations. The net follows the same procedures that our weekly nets do. A digital message is sent afterwards on 7081.5kHz USB using Olivia 8-500, MFSK 32 and Thor 22. Forty meters has worked very well, so for the time being, the net will remain there. We are in Region 5 (check in is by region) and we are always very well represented. Give it a try! NYS RACES



[For Your Info below! I am an AWA member and I missed this myself.]



**Communication
Technologies
Museum**
200 years of Communications Innovations

FOR IMMEDIATE RELEASE

Antique Wireless Museum Rebrands to AWA Communication Technologies Museum

Bloomfield, NY – June 5, 2024 - The Antique Wireless Museum, in Bloomfield, New York, is proud to announce its transformation into the AWA Communication Technologies Museum. This strategic rebranding reflects our commitment to preserving not only the rich history of communication technologies but also embracing the dynamic evolution and key role of communication in the digital age.

Founded with a passion for preserving the heritage of communication technologies, the museum has been a beacon for enthusiasts, scholars, and innovators alike. Over the years, our collection has grown to encompass a diverse array of innovator's devices, their devices, stories and documentation showcasing the remarkable journey of human ingenuity in connecting the world.

As we embark on this new chapter as the AWA Communication Technologies Museum, our mission remains unchanged – to educate, inspire curiosity, foster learning, and celebrate the remarkable advancements in communication technologies that have shaped our past and continue to define our future.

Visitors can expect the same immersive experience they have come to love, with interactive exhibits, educational programs, and engaging events that highlight the pivotal role of communication technologies in shaping societies and cultures worldwide.

The decision to rebrand reflects our dedication to honor our roots in preserving the legacy of wireless communication pioneers. We believe that the new name, AWA Communication Technologies Museum, better encapsulates the breadth and depth of our collection and our vision for the future.

Whether you're a seasoned enthusiast, a curious student, or simply intrigued by the fascinating history of communication, there's something for everyone at the AWA Communication Technologies Museum.

The Museum is located at 6925 Route 5, Bloomfield, NY 14469 and is open for visitors Tuesdays 10 am to 3 pm and Saturdays 1 pm to 5 pm.

For more information about the museum and upcoming events, please visit AntiqueWireless.org or contact Robert Hobday at President@AntiqueWireless.org.

Please note: Only the Museum name has been changed while the parent corporation remains Antique Wireless Association.

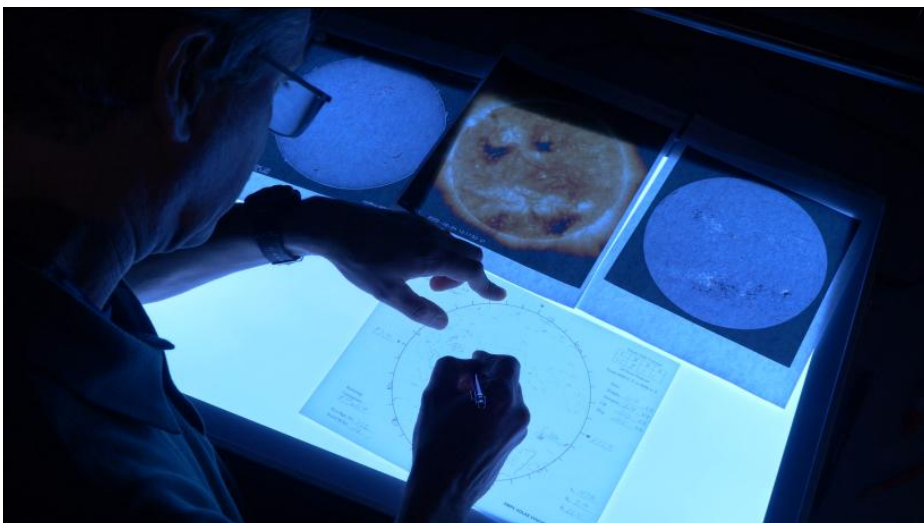


A husband told his wife that he's going to "The Second Wife" for dinner. He didn't get the chance to explain that it was a restaurant. He is now in hospital recovering.

[EDITOR NOTE: This is for information which is serious from a communications standpoint, **not a political point of view.**]

Trump administration's NOAA layoffs affected the space weather service that tracks solar storms [News](#) By [Meredith Garofalo](#) published yesterday

"Decreasing the capacity to support this sector makes our nation less resilient and more vulnerable to space weather."



In February, massive layoffs swept across the U.S. National Oceanic and Atmospheric Administration (NOAA) in compliance with requests from the Trump administration. These cuts resulted in industry-wide concerns about immediate impacts to weather forecasts and climate studies on Earth — but experts are also worried that such abrupt reductions in the NOAA workforce can greatly affect how scientists monitor cosmic weather, too.

[More than 800 NOAA employees](#) were impacted by the agency-wide staff reduction from its workforce of about 13,000. Space.com [reported](#) in early March that a huge range of employees were either let go or enticed to take an early retirement as part of these cuts, and some of those employees included those who contributed to the success of its Space Weather Prediction Center (SWPC). The reductions were all part of [an effort](#) led by the Trump Administration's Department of Government Efficiency (DOGE) — spearheaded by billionaire [SpaceX](#) CEO Elon Musk — to slash federal programs and workforces that the administration believes are "wasting" taxpayer money.

Ahead of a webinar put on by the [American Meteorological Society \(AMS\)](#) on March 4 meant to help educate members of both the public and the press about the work done at SWPC, Space.com reached out to several members of NOAA's communications team about the layoffs. The response was very similar to what the organization has reportedly been saying to news outlets who ask for comment: an email stating that "no one on this webinar will be able to speak to recent workforce cuts."

"From someone who is new to the field of space physics as a graduate student, I am worried about the job opportunities for me once I graduate. NOAA, the National Science Foundation (NSF), and National Aeronautics and Space Administration (NASA) employ quite a few space physicists, and shrinking the federal workforce means eliminating, maybe permanently, some of these positions," Vincent Ledvina, an avid aurora chaser and intern at the Aerospace Corporation (PSL/SSAL), told Space.com. "This is unsettling, and there is already a pipeline problem in the field — more people are retiring than we have fresh graduate students to replace these scientists."

There are many end users, such as in the agriculture industry, that rely on space weather forecasts for day-to-day operations. This industry in particular has become more reliant on electricity and different types of technology, such as GPS. However, during powerful [space weather events](#), signal disruptions and losses can impact everyday operations ranging from planting to fertilizer application.

"As a board director for a rural electric cooperative in Minnesota, we need to have predictions and local responses to protect the grid," Kathryn Draeger, Statewide Director of the University of Minnesota Regional Sustainable Development Partnerships, told Space.com. "85% of Minnesota's geography is provided electricity through locally led rural electric coops. This is a constituent of NOAA's that needs further attention and support. Decreasing the capacity to support this sector makes our nation less resilient and more vulnerable to space weather."



The dependence on space weather forecasts

Power grid operators are just one example of companies that rely on [space weather products](#) provided by SWPC in order to track potential impacts of [environmental disturbances](#) such as radio blackouts. There are many other sectors that are considered end-users for space weather observations, forecasts, research, and even modeling for future events that could have devastating effects. Other divisions identified by NOAA in [a survey at the end of 2024](#) that rely on the work done by SWPC scientists and personnel include electric power, aviation, emergency management, human spaceflight and even agriculture. A series of solar storms in May 2024, now collectively known as the "[Gannon Storm](#)," was the first extreme geomagnetic event (G5) Earth has experienced since 2003. Gannon brought with it not just a mesmerizing aurora show, but also complications to different types of technology.

"[The Gannon storm in May 2024](#) occurred during planting season and the economic impact from delayed planting due to GPS failure are still to be estimated. That storm was dramatic, but I have concerns about even larger storms that could impact the electric grid and the critical need to continue honing prediction capability and information sharing is urgent," Draeger said. "I don't think there's a lot of education out there right now; when farmers' GPS go down, they don't know why, so there's a lot more work to be done."

Terry Griffin, a professor at Kansas State University, told Space.com that he agrees the Gannon storm began an important conversation on how solar storms could impact the agriculture industry. Griffin and his team released a report at the beginning of March on the "[Impact of the Gannon Storm on Corn Production Across the Midwestern USA](#)," highlighting the significance of continued research and support for the space weather community.

"One analogy that seems pertinent is how the adage of 'milk comes from the store' implies less reliance on farms; many people have a similar notion that they can receive weather information from commercial sources. We have a lot of work cut out for us to educate the masses," Griffin said. "Many 'experts' stated the outage was a once in a lifetime event, but my analysis of the historic data and consultation with space weather scientists suggests that this type of event may not even be once in a solar cycle frequency. Farmers and construction end users should be prepared for GNSS signal degradation in 2025 and 2026."

Although space weather events are typically more sporadic than terrestrial weather events, just like it only takes one hurricane to wipe out an entire community, one powerful solar storm could have substantial impacts globally without timely warnings so people can take proper precautions. Some of the [most vigorous solar storms in history](#) caused power blackouts, disruptions in phone communications and GPS navigation signals, destroyed satellites and altered the flight paths of aircrafts. In fact, last year in [Constellations](#), Kratos Defense's online source for digital content, NOAA's Geostationary Earth Orbit Observations (GOES) Program Director, Pam Sullivan, shared her concerns that we could see the first-ever global "trillion-dollar disaster" if we had another [extremely powerful solar storm](#) like the [Carrington Event in September of 1859](#). This event triggered failures and fires at telegraph stations across parts of the globe including North America and Europe.



Space weather impacts on everyday life

Technology plays a huge role in our everyday lives, and our reliance on it will only increase as time goes on. Drivers already rely on applications such as Google Maps to get to and from locations and first responders rely on satellite services to navigate life-threatening scenarios like wildfire mitigation and ocean rescues, for instance. But with each passing day, technology's footprint gets a little deeper.

That's why some veterans in the space industry say now is the ideal time to make sure our nation is protected through continued research, advanced satellite systems and improved accuracy in forecasting.

"If we go back to the Gannon storm last year, overall, there weren't huge impacts because of all of the research and mitigation plans put in place over the last six or seven years. I think it could have been a lot worse if we didn't have those capabilities now so if those are compromised by lack of resources. If another storm like that — or worse — occurs, we can see more widespread impacts to everyday life," Steve Clarke, a former Deputy Associate Administrator and Director at NASA and former Senior Policy Analyst at the White House, told Space.com. But for now, Clarke added, we'll have to wait and see what impacts there might be in the long run, including if there are any ramifications regionally and across the globe when it comes to the availability of space weather resources.

Clarke, who has worked in both the government and the private sector for more than 40 years, also shared that he hopes that any future decisions that impact space weather forecasting from staff to budget cuts are carefully considered.

"I do support government efficiencies and looking for ways to make things more streamlined and less costly to the taxpayer, but there is definitely a better way to go about it than the way it's going about now. I think there could have been a much more structured way of going in and looking at all of the government agencies, including NOAA, NSF and NASA," Clarke said.

"Perhaps there are ways we can bring this to the attention of the administration; it's not too late. Just take a pause and come up with a well-structured plan to go in and look at the programs in government agencies and for ways to make them more efficient, but not cut the significant benefit that these programs provide the American people."

[I've been told there may be changes for hams and the FCC as well which could affect the amateurs.]



THE EDITOR IS ALWAYS

LOOKING FOR HELP WITH

NEWSLETTER MATERIAL. **THAT MEANS YOU!** PLEASE SUBMIT ANYTHING YOU FEEL WOULD BE OF INTEREST FOR
OUR READERS!



It must have been
a rough divorce



[The editor has a big beef with Bitmoji!!!!!! They programmed a new Avatar and I don't like it! Look what they have done! No more cute

Avatar but a more realistic (Supposedly!), that is terrible. What can I do?



HELP!