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Safety Spot:

- * Drive safely, rest often.
- * **Is your Emergency Plan up to date?**
- * Carry extra food/clothes in your vehicle in case you get stuck.
- * **Flash Floods happen quickly. Know the local conditions.**
 - When Thunder Roars - Go Indoors!!
 - **Wet roads = Loss of traction Slow down and drive safe.**

Severe Weather Workshop...Just in time!!

WFO Pueblo held its annual in-house Severe Weather Workshop on 12 April, just days before a large spring storm hit the region.



The training covered topics such as: Decision Support Services (DSS) during Severe Weather; SPC Mesoanalysis ; MRMS radar products and much more.

The skills of our forecasters were put to task 15—17 April as a large spring storm produced tornados, heavy snow and high winds through the region. Four tornados occurred in the Kiowa and Bent Counties, while copious amounts of snow fell in the mountains, and winds raged.

Forecasting and tracking tornados while a snow storm rages outside your window seems contradictory, however the staff does so with skill and grace;



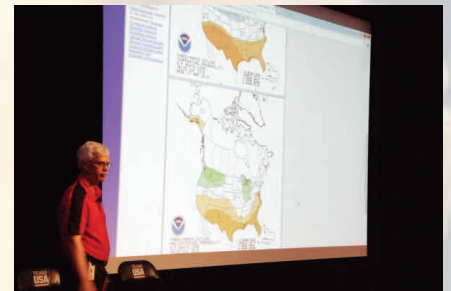
and lots of chocolate chip cookies!!

Ready for the Storm

April is generally the time we start thinking about spring, sun and planting our gardens, while in the weather and Emergency Management world...we are thinking about floods, flash floods and severe weather.

Tom Magnuson, the Warning Coordination Meteorologist (WCM) at NWS Pueblo attended the Annual Colorado Springs Flood Workshop in April and spoke about flash flooding and what to look for; what we look for and the areas prone for flooding .

Spring is also the time that Tom travels through southern Colorado, providing SKYWARN weather spotter preparedness and training classes. Typically the sessions are scheduled from late March through early May each year, and are a cooperative effort of local government officials and the National Weather Service. The sessions are FREE OF CHARGE and usually open to everyone, except when noted.



Participants receive information about the latest hot topics about National Weather Service; when and how to report severe weather; the basics of thunderstorm development and storm structure and severe weather safety tips. Additional information can be found at: https://www.meted.ucar.edu/training_course.php.



Rollin, Rollin, Rollin.....

Where we went and What we did

Tony Anderson, (Service Hydrologist) went to Albuquerque NM for the Annual Upper Rio Grande Runoff Meeting in April.

The purpose of this multiagency meeting is to review the water supply forecast from last year and see how it did; review last years weather events and see how the water resources for the region currently stand. This event was attended by the U.S. Geological Service, U.S. Army Corp of Engineers, U.S. Fish and Wildlife, in addition to various water resource management agencies. With the current and past drought status in Colorado and the Southwest, this meeting and coordination is a VERY important to ensure proper management of our water.



Kyle Mozley (Meteorologist) traveled to the Colorado Traffic Management Center to speak with the crews that keep our roads clear and safe (CDOT). He demonstrated the NWS Chat program and the value it has to their operations by giving them “fingertip access” to the weather data and instant messaging with our staff of forecasters.



Randy Gray (OPL) and Mike Nosko, (HMT /COOP/Climate Focal Point,) have started their annual rounds to visit and repair weather equipment located throughout the region. This equipment is located at private homes and locations, with the data provided to the NWS daily. During these trips, they travel throughout the our county warning area (CWA), repairing and performing maintenance on weather equipment as needed. Failed equipment is brought back to the office for further evaluation or replacement.

Still Rollin.....

Paul Wolyn, our Science Operations Officer (SOO) participated in the regional SOO meeting in February. This is the meeting of the minds who are responsible for training forecasters and staff; keeping up with the latest technology, and maintaining an overall picture of customer and core partner needs as well as integrating solutions for these needs into NWS operations. The SOO also submits to scientific publications and papers, along with attending and presenting technical and instructional presentations at conferences.

In addition, Paul also attended a Lightning Information Conference in Norman Oklahoma. With Steve Hodanish (Meteorologist) in February and will be presenting a poster at the Mountain Meteorology Conference in June; speaking on the “Performance of forecast models for cold (air) pools”



Makoto Moore (IMET/Meteorologist) traveled to Maysville in April to assist in the teaching of the S290 Intermediate Wildland Fire Behavior Class to firefighters associated with the US Forest Service, US Park Service, and Bureau of Land Management (BLM). While the majority of the attendees were from Colorado, they also came from New Mexico and California to attend. This class teaches about the way weather can affect a fire, how fire can create its own weather and other specific details that they need to know to remain safe while under the stress of fighting the fire.





DataStreme Atmosphere Science Class

(<http://www.ametsoc.org/amsedu/DataStremeFrames.html>)

DataStreme Atmosphere is a major precollege teacher enhancement initiative of the American Meteorological Society with the main goal of training of Weather Education Resource Teachers who will promote the teaching of science, mathematics and technology using weather as a vehicle, across the K-12 curriculum in their home school districts. The 13-week course is offered twice a year to selected participants. It focuses on the study of the atmospheric environment through the use of electronically transmitted weather data and learning materials combined with Study Guide readings and investigations. Teachers are mentored by a Local Implementation Team (LIT) consisting of at least one master precollege teacher and most include one professional meteorologist.

In Pueblo, the Local Implementation Team consists of Paul Wolyn (Science Operations Officer) and Makoto Moore (Incident Meteorologist/General Forecaster). Paul and Makoto have been working with the current participants for 13 weeks, culminating in a tour of the National Weather Service Office and small celebration of completion.

This sessions class was comprised of 5 teachers from Sky View Middle School in Pueblo West (D70). Congratulations on your achievement!!! We all wish you the best in your future career path.

For anyone interested in participating; instructions on applying and contact information can be found at:

<http://www.ametsoc.org/amsedu/dstreme/extras/leaders.html>.

NWS Pueblo Honors Long Time Cooperative Weather Observer in Granada

Clyde Kennedy of Granada, Colorado, marked sixty years of faithful volunteer service tending a National Weather Service Cooperative Network rain gage, on December 1st 2015.

To honor Mr. Kennedy's long and dedicated service, on April 7th, representatives from the National Weather Service Forecast office in Pueblo presented him with a Helmut E. Landsberg Service Award, along with a Lifetime Achievement pin and a Thank You letter signed by the Director of the National Weather Service, Dr. Louis Uccellini, and Central Region Director, Christopher Strager.

Meteorologist-in-Charge Jennifer Stark, accompanied by Observing Program Leader Randall Gray and Service Hydrologist Tony Anderson had a very enjoyable visit with Clyde and his lovely wife Marie. The party enjoyed lunch at Shorty's Café, one of Clyde and Marie's favorite spots in Granada. Chris Frost of the Lamar Ledger newspaper interviewed members of the gathering and wrote a very fine story highlighting a bit of Clyde's life and observing experiences to be published the following week.

During Mr. Kennedy's college days, he was asked to consider a career with the Weather Bureau in Cheyenne Wyoming, but opted to continue to pursue accounting instead. It might be that first job offer was what planted the seed of interest in weather observing.

Mr. Kennedy said that in 1955, "A friend of mine was doing it and he left the country. I hated to see the rain gauge information go out the window, so I volunteered to do it." A commendable spirit which has played a significant role in keeping weather records for Granada, dating back to 1891.

It is very much in Mr. Kennedy's character that he persevered for six decades, a career that has seen recorded charts, mailed weekly, later, the 'new' technology of the Fischer-Porter Punch Tape gauge, and eventually the Coastal Environmental Systems digital recording gauge in 2012. Clyde credits Marie for her faithful reminders that "tomorrow is the first, and that will be time to change the rain gauge."

Clyde and Marie graciously shared stories of their lives, which has been a treasured tradition in NWS Pueblo's station visits with the Kennedy's. The couple first met in England, during World War II, and has lived a long, full life together in Granada, raising a family, and traveling far and wide.

Along with being the local weather man, Mr. Kennedy has also been the long serving secretary of a local lodge, and has kept in touch with his compatriots of the 90th Infantry Division, attending many Unit Reunions.

The Helmut E. Landsberg Service Award was established in honor of Helmut E. Landsberg, who was largely responsible for establishing the nationwide climatological network as we know it today. This award is granted to an observer for 60 years of service.

The long and dedicated service of Clyde Kennedy of Granada, Colorado, is in the tradition of such luminaries as Dr. Landsberg. The National Weather Service in Pueblo is very proud of Mr. Kennedy. The hospitality and friendship of Clyde and Marie have also been greatly valued by those who have met them and visited their home and weather station. This award and gathering are somewhat bittersweet, as it will be Mr. Kennedy's last service award. At age 97, Mr. Kennedy has asked to be relieved of his duties and to retire from being a cooperative weather observer. Such a friend and dedicated volunteer will be missed and not soon forgotten.

Watch....Warning....Advisory

WHATS THE DIFFERENCE???

How many times have you seen the TV crawler with “National Weather Service has issued a Watch/Warning/Advisory” and wondered

“ What’s the difference? ”

The difference determines the risk to life and property of the citizens of the United States, and more specifically, those folks that are in the hazard area that is defined.

The National Weather Service issues a variety of products to keep our customers informed of unusual, inconvenient and hazardous weather conditions. A multi-tier concept is employed to accomplish this task with Outlooks, Watches, Warnings and Advisories to point out specific conditions.

Definitions:

Outlook: Used to give considerable lead time that a hazardous event may develop.

Watch: Issued when the risk of a hazardous weather or hydrologic event has increased significantly, but its occurrence, location, and/or timing is still uncertain. It is intended to provide enough lead time so those who need to set their plans in motion can do so.

Warning: Issued when a hazardous event is occurring or has a very high probability of occurrence. Warnings indicate a **threat to life or property**.

Advisory: Issued when a hazardous event is occurring or has a very high probability of occurrence. Advisories describe events that **cause significant inconvenience or may be life-threatening if care is not taken**.

Here at NWS Pueblo.. we tweet and we post, using Twitter <http://twitter.com/NWSPueblo> and Facebook <http://facebook.com/NWSPueblo> as additional ways to reach the citizens that rely on us.

You can follow us either way, to stay in touch and stay informed, as the seasons, and weather, change.

Stay up to date with hazardous weather at:
WEATHER.GOV/PUB

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