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Look, Up on the Screen...Is It a Web Page? Is It a Form? It's Superform!

Day	Max temperature	Min temperature	At observation	Precipitation	Multi-d Accum	Snowfall	Snow depth	Observation period weather
1	30	23	24	0.00	1	0.0	0	Fog
2	30	24	26	0.00	1	0.0	0	Fog
3	34	26	29	0.00	1	0.0	0	Fog
4	49	21	21	0.00	1	0.0	0	
5	26	3	4	0.00	1	0.0	0	
6	18	4	5	0.00	1	0.0	0	
7	18	5	13	T	1	T	T	
8	21	13	13	0.07	1	0.8	1	

Sample of the Superform. The online form only shows columns for what is actually observed.

Yes, here to help you send your observation data is Superform. No more searching for the correct column to enter your data. No more wondering if you missed entering any data. You now can have a special page just for the observations you take.

A team of experts has been working hard to figure out how best for you to send us your observations.

So, as a new feature of the WxCoder III webpage, you can now enter your information directly into the Superform. This form will show just the information you record. When you are set up with WxCoder, your NWS Representative will let WxCoder know what information you provide.

In addition, your input gets checked for errors right away. Even the best of us have fumbled at the keyboard and mixed up numbers.

You also will see the full month of data so you can add any missing information in case you weren't home to enter it.

If you prefer to write your observations before entering it, you also can print a blank Superform for just that purpose.

Coming soon, Superform's smaller companion: Mobile Form! An observation form designed to be used from a mobile device such as your smart phone.

History of the Weather Service: Signal Service 1870-1890

Publications in the Signal Service

During the 20-year history of the Division of Telegrams and Reports in the Bureau of Commerce, the office published a host of documents for the benefit of the observers and forecasters. As usual, the quality of the publications varied from insightful (considering the level of science of the day) to the ridiculous.

Listed below are six publications with brief summaries depicting the state of weather observing and forecasting during the Signal Service from 1870 to 1890.

- **Memoir on the Use of Homing Pigeons for Military Purposes:** This Signal Service Note describes the use of homing pigeons by the military for carrying messages, including weather information. A brief historical sketch of the homing pigeon is presented, along with its various uses. It was discovered it was not practical to use pigeons to carry messages in time of war. Despite great care in training, the pigeon frequently failed to deliver their notes during critical moments.
- **Foretelling Frost by Determination of the Dew-Point:** This note describes the importance of measuring dew point temperature for the purpose of forecasting the formation of dew or frost. Tables are presented which relate wet-bulb and dry-bulb temperatures to dew point temperatures. The note states vegetation could be protected by “kindling a small smudge fire.” The note adds a complete hygrometer cost \$7 and a minimum thermometer \$5.
- **The Use of the Spectroscope in Meteorological Observations:** During the 1870s, Professor Piazzzi Smyth, a Scottish astronomer, suggested the absorption lines in the solar spectrum, might be used to forecast rain since the absorption spectra varied with

amount of atmospheric moisture. This publication presented results of a study to test Smyth’s hypothesis. The study found some correlation, and it was suggested the spectroscope could represent a significant forecast tool.

- **Weather Proverbs:** Since the science of meteorology was relatively undeveloped during the late 1800s, considerable emphasis was placed on heuristic rules and folklore. This Signal Service Note listed many rules of thumb and folklore which could be used by forecasters. The list below was compiled from Signal Service forecasters and observers across the United States.

- A red sun has water in his eye.
- When the walls are more than unusually damp, expect rain.
- Hark! I hear the asses bray, we shall have some rain today.
- The further the sight, the nearer the rain.
- Clear moon, frost soon.
- When deer are in gray coat in October, expect a severe winter.
- Much noise made by rats and mice indicates rain.
- Anvil-shaped clouds are very likely to be followed by a gale of wind.
- If rain falls during an east wind, it will continue a full day.
- A light yellow sky at sunset presages wind. A pale yellow sky at sunset presages rain.

Also included in the document were rules of thumb for individual Signal Service stations. Listed below are a few examples:

- **Albany, NY:** Storms set in with southerly winds and are always preceded by falling barometer and usually by falling temperatures, with nimbus or cumulo-stratus clouds.

*Hark! I hear
the asses
bray, we
shall have
some rain
today.*

- **Corsicana, TX:** Approach of a norther indicated by a bank of clouds in the north or northwest when the balance of the sky is clear. Gentle or brisk east wind precedes rain. Southwest or west wind indicates the approach of clear, dry weather.
- **Indianola, TX:** Northers are preceded by protracted southeast winds, rapid rise of barometer from 4-6 hours in advance of storm, high humidity, with cirrus clouds moving from the west.
- **North Platte, NE:** All storms approach from the northwest without reference to direction in which wind may have blown previously. Rain storms are preceded by north or northeast wind.
- **San Francisco, CA:** Rain storms are preceded by falling barometer, low but rising temperature, and west wind. During the rainy season, if wind veers to southeast, rain follows.

■ **Characteristics of Tornadoes:** The author of this Signal Service Note, John P. Finley, described the results of his studies of U.S. tornadoes. Considerable climatological information

was presented on tornado movement and times of occurrence. In addition, the note describes general weather conditions before tornado formation. Finley described tornado appearances and provided preparedness information on how to avoid tornadoes or to protect oneself from related injuries. The note was detailed and provided Signal Service forecasters with basic information on tornadoes.

■ **The Aurora Borealis and its Relation to Meteorology During the Signal Service Years:** Meteorologists speculated on the importance of the Aurora to weather, theorizing the Aurora was the result of atmospheric electricity, and like lightning, must occur with certain types of weather. This Signal Service Note attempted to evaluate the relationship of Aurora occurrence to weather forecasting. Essentially, no correlation was found.

The story continues next edition with the advent of the telegraph in the Signal Service.

Meteorologists speculated on the importance of the Aurora to weather, theorizing the Aurora was the result of atmospheric electricity, and like lightning, must occur with certain types of weather.



Example of Aurora Borealis or Northern Lights. Source: U.S. Air Force

Thomas Jefferson Award



Pictured from left are NWS Buffalo Meteorologist-in-Charge (MIC) **Jason Franklin**, Observer **Jack Kanack**, Buffalo State College Rep. **Dr. Stephen Vermette** and Retired Buffalo MIC and Weather Channel Winter Weather Expert **Tom Niziol**. Photo by NWS Buffalo Observing Program Leader (OPL) **Dan Kelly**.

Jack Kanack, Observer at North Tonawanda, NY, was presented with the Thomas Jefferson Award, the most prestigious award for a Cooperative Observer at the NWS office in Buffalo.

Jack has gone above and beyond to provide precise and timely observations from his home in North Tonawanda, NY, for the past 31 years. One of many examples of his diligence occurred in October 2006 when Jack provided frequent and detailed reports to the NWS Buffalo office about an early winter storm. This storm caused heavy snow across the area, even for Buffalo, resulting in catastrophic tree damage extending from Buffalo to southern Niagara County. Jack's reports helped ensure North Tonawanda and Niagara County received vital federal emergency funding.

Jack is dedicated to his community as well NWS. He volunteers at Buffalo State College as a mentor and tutors students in the meteorology program. In addition, he was instrumental in starting a weekly show dedicated to weather on the Buffalo State Campus radio station. The show gives meteorology students valuable experience in broadcast meteorology they can use post graduation.

Jack truly has a passion for meteorology and worked with Meteorology Professor Dr. Stephen Vermette at Buffalo State College on a research project to develop a climate model for forecast frost penetration. Additionally, he and Dr. Vermette have been working with the Western New York Peace Center on the feasibility of pursuing solar energy production in western New York as a way to bring jobs back to the area.

During the award ceremony, Jack revealed he has Asperger's Syndrome, a form of Autism. He made the announcement to inspire others with the syndrome to pursue meteorology and weather observing.

His community, as well as the NWS, appreciate his dedication so much so that the city of North Tonawanda proclaimed June 19, 2012, as Jack Kanack Day.

Thomas Jefferson Award



Four generations of Observers accept the Thomas Jefferson Award for their service at Ritzville, WA. From left rear, current Observer **Greg Galbreath**, Congressman **Richard Norman “Doc” Hastings**, Greg's mom and daughter **Ronna** and **Hallie Galbreath**, Greg's backup and future Observer. Seated are Greg's dad, **Gary Galbreath**, and grandmother, **Alma Galbreath**, both former Observers. The award was presented by MIC **John Livingston**, NWS Spokane. The Galbreaths have been recording the weather at this site since 1965. Photo by OPL **Mark Turner**.

Recognizing 40+ years of service to America, NWS Spokane, WA, awarded **Greg Galbreath** and the **Galbreath family** the agency's Thomas Jefferson Award for outstanding service in the Cooperative Weather Observer Program. The award was presented by NWS MIC **John Livingston** at a ceremony held at the historic Ritzville City Library.

The Galbreath family helped found the town of Ritzville and has been instrumental in collecting and disseminating weather reports since Ritzville's incorporation in 1890. A relative of the Galbreaths, **Daniel Buchanan**, collected and published the first known weather records in Ritzville, recorded from 1891 to 1900.

The weather station in Ritzville was established in 1899. Greg's grandfather, **Maynard**, took over the observer duties in 1965 after the passing of longtime observer **J.C. Kittel**. Maynard passed away in 1969, and his wife, **Alma**, continued taking the observations. Their son, **Gary**, took over in May 1971 and their grandson, **Greg**, took over in June of 1997.

For a generation, the data from the Galbreath's Historic Climate Network weather station has been featured prominently on the front of the weekly Ritzville Adams County Journal.

The Thomas Jefferson Award is NWS's most prestigious recognition of observers in the cooperative program. It is named in honor of Thomas Jefferson, our third President, who kept an almost unbroken series of weather records from 1776 to 1816. The Galbreath's award was the only one presented in 2013 to cooperative weather observers from the NWS Western Region.

John Campanius Holm Awards



NWS Honolulu, HI, presented a John Campanius Holm Award to **Marilyn** and **Gordon Fowler**. Pictured from left are Regional Coop Program Manager (CPM) **Derek Leeloy**, Observer **Marilyn Fowler**, Senior Service Hydrologist **Kevin Kodama**, Observer **Gordon Fowler**; NWS Pacific Region Director **Jeff LeDouce**, and NWS Honolulu MIC **Ray Tanabe**. The canine assistant observer is **Tigger**. Photo By OPL **Mark Farnsworth**.

Recognizing 94 years of service to America, NWS named The **Perry family** of Clearbrook, WA, a recipient of the John Campanius Holm Award.

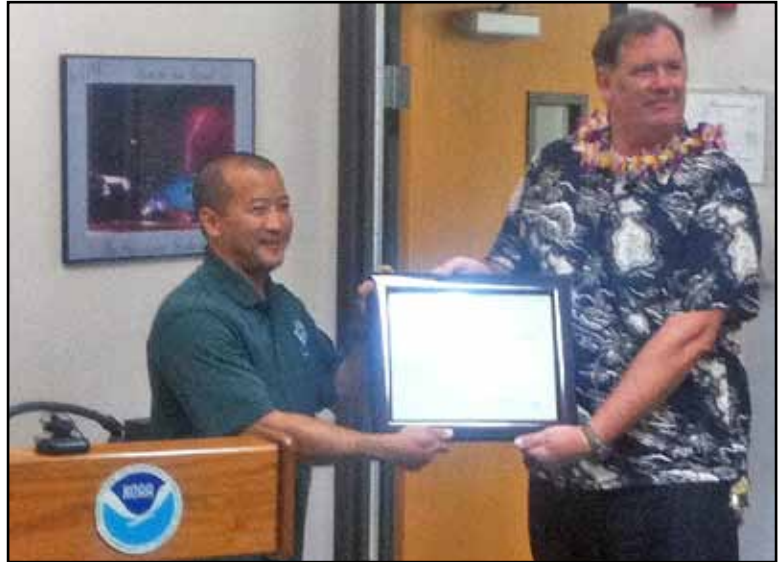
Since they began working as volunteer weather observers in 1919, the Perry family has maintained a record of daily weather reports, often during the most extreme and hazardous weather events.

Accepting the award is **Rod Perry**, right. The award was presented by Warning Coordination Meteorologist **Ted Buehner**, NWS Seattle, WA.



John Campanius Holm Award

From left, Pacific Region Director **Ray Tanabe** presents the John Campanius Holm award to Observer **George Seaman**. The award was presented at the annual Wet Season Briefing at the Honolulu Forecast Office at University of Hawaii. Attending the briefing were representatives from the media, military, Pacific Region Headquarters and NWS Honolulu. Attending but not pictured are Pacific Region HQ Executive Secretary **Jacqueline Kubo** and Honolulu Forecast Office MIC **Tom Evans**. George has been taking daily observations on windward Oahu for 20 years and has offered suggestions that have helped improve the Coop program. Photo by OPL **Mark Farnsworth**.



100 Year Family Heritage Award



From left are retired OPL **Leon Wasinger**, Observers **Joan and Doug Wilson**, MIC **Suzanne Fortin** and Meteorologist Intern Scott Smith. Above right is Doug's grandfather, Observer **Rockwell W. Greene**, in 1946 at age 66.

For over 100 years, the Wilson family of Lincoln, KS, has recorded and provided flawless climate records for the NWS. The Family Heritage Award was presented to **Doug and Joan Wilson** by MIC **Suzanne Fortin**, NWS Wichita, KS.

Doug's grandfather, **Rockwell W. Greene**, collected weather data for 42 years, beginning in 1913 and continuing through 1955, when his son, **Rockwell N. Green** took over as primary observer.

In 1960, Rockwell's daughter, **Mary Beth Wilson**, and husband **Thomas W. Wilson** assumed the observing duties and continued for another 45 years. Throughout this time, the Wilson family provided outstanding dedication and service. Mary Beth and Thomas were awarded the John Campanius Holm Award in November 1988, followed by the Thomas Jefferson Award in July 1996.

On November 1, 2005, their son **Doug Wilson** became the Observer and continues his family's exceptional service to the NWS.

75 Year Edward Stewart Family Award



Alan Gray of Federal Point, FL, accepts the Earl Stewart Award from OPL **Michael McAllister**, NWS Jacksonville, FL.

Alan Gray of Federal Point, FL, shows his Earl Stewart 75 Year Family Service Award. Alan, who has been the primary observer for more than 13 years, continues the legacy of the dedicated public servants at Federal Point whose observations date back over a century.

Only four families have been involved in the Federal Point cooperative weather program since it was established 120 years ago. Here's a brief history of the site:

January 1892–June 1902: Little is known about the site's founder, **Charles Ingall**. In the late 1800s, most people living in the Federal Point area were involved in lumber or agriculture, likely Charles was as well.

June 1902–March 1925: The site's second observer, **Edwin Hubbard**, moved to Federal Point in 1880. He grew oranges and potatoes and served as town treasurer. He wrote papers on citrus culture and served on committees of the Florida Horticulture Society and the American Pomological Society. Edwin also served as a judge in the horticulture department at the Chicago World's Fair.

May 1925–November 1936: **Frank F. Tenney** was the owner of the Groveland Hotel, a shipping agent, and an apiary. After Frank's death in November 1936, his widow and daughter briefly continued the program.

February 1937–August 1962: **Bruce Gray**, a neighboring farmer, took over the program from the Tenney's. According to a letter dated January 25, 1937, from A. Eddins, a Plant Pathologist with the University of Florida, to Walter J. Bennett, MIC of the U.S. Weather Bureau office in Jacksonville: "Mrs. Tenney and her daughter were unable to find anyone to keep the records and are willing to have the instruments moved to the home of Mr. Gray. Mr. Gray is a potato grower and lives about a mile from the Tenney house and about a 100 yards from the old Hubbard home where the records have been kept since the station was established at Federal Point."

Bruce was president of the National Potato Growers Association and worked with the Farm Bureau, the Putnam County Fair Committee, and several state organizations. Although Bruce was the primary observer, his wife **Ethel** and their 5 children helped take daily weather readings. After Bruce's unexpected death on August 3, 1962, Ethel assumed the primary observer responsibilities.

August 1962–March 2001: **Ethel McCullough Gray** was born in Hastings, FL, about 8 miles from Federal Point. Her father was a cowboy, a true Florida "Cracker." Besides being a wife and mother, Ethel was president of the Methodist Women's League and traveled extensively across the United States and Europe. She received an Honorary Doctorate Degree in Humanities from Florida Southern College, where she served as a trustee. After her husband's death, Ethel continued operating the Gray farm for over 20 years. In 1999, when Ethel's health began to deteriorate, her son **Alan** took over the weather program. Ethel passed away on March 10, 2001, at the age of 88.

March 2001–Present: Alan began taking weather readings around the age of 10 when he was tall enough to open the Cotton Region Shelter and read the thermometers. "As soon as I was old enough to do it, it was my chore when I came home from school." Alan farmed cabbage and potatoes, then in 1988 he went into real estate. He has his own company, Alan Gray Realty, in nearby Hastings. The wall of his office is decorated with pictures of him when he raced street stock cars at the Putnam County Speedway. Alan, now a grandfather of five, still resides at the original Gray homestead.

100 and 75 Year Honored Institution Awards



MIC Scott Mentzer, (center left) NWS Goodland, KS, presented the award to **Jeff Slattery**, **Randy Mai**, and **Dewayne Bond**, employees of the **Southwest Research Center** near Tribune, KS.

The observations provide a wealth of weather information for the Tribune area, including precipitation and evaporation readings, snow measurements, air and soil temperature. On behalf of NWS and the citizens of western Kansas, Scott thanked the staff at the Research Center for their dedication and service in collecting these important observations for over a century.

NWS presented a 100 Year Honored Institution Award to the Southwest Research Center in Tribune, KS.

Established in 1911, the Tribune Branch Experiment Station, as it was called then, began recording official weather observations on January 1, 1913. The first observer at the station was **Charles E. Cassell**. He was followed by **M.W. Kirkpatrick**, **Ivan Mattson** and **G.E. Lowery** who all served during World War I.

In April 1924, **T. Bruce Stinson** became the observer and served faithfully for the next 40 years. Other observers who have served at the station over the years include **Roy E. Gwin**, **Merlin Dillon**, **Alan Schlegel**, **Dale Nolan** and **Randy Mai**.

From left, **Corps of Engineering Le Claire, IA, Lock and Dam 14** employees **Darrel Navratil**, **Brad Hank**, and Lock Master **Jim Trail**, far right, receive the **75 Year Honored Institution Award**.

MIC **Steve Kuhl** (center right), NWS Davenport, IA, presented the award. Weather records for the Lock and Dam 14 date back to March 1938. Photo by HMT **Tom Olsen**.



55 Year Benjamin Franklin Award



Billy Teague of Teague Ranch near Fredericksburg, TX, accepts a Benjamin Franklin Award for 55 years of service. Billy, his late wife **Helen**, and his daughter, **Jodi**, have been taking weather observations since 1958.

From left are NWS Austin/San Antonio, TX, CPM/Hydrometeorological Technician (HMT) **Patrick McDonald**, Observer **Bill Teague** and OPL **Steve Smart**.

50 Year Edward H. Stoll Awards



Lester Constable of Unadilla, NY, was presented the Edward H. Stoll award for 50 years of dedicated service. The award was presented by MIC **Barbara Watson**, NWS Binghamton, NY. Lester is continuing a legacy of more than 70 years worth of rainfall data from the Unadilla area.



John E. Moffatt of Seminole, TX, received a 50 Year Edward H. Stoll Award. From left are NWS Midland, TX, Electronics Systems Analyst **Charles Yaws**; Administrative Support Assistant **Beverly Martin**; Meteorologist **Rick Hluchan**, Observer **John E. Moffatt**, OPL **Colleen Rhea**, and MIC **Patrick Vesper**.

45 Year Dick Hagemeyer, 40, 35 Year Service Awards

Howard and Patricia Romsdal, precipitation observers at Bradshaw, NE, received the Edward H. Stoll Award from MIC **Steve Eddy**, NWS Hastings, NE. Over the past 50 years, the Romsdals have taken over 18,250 observations, resulting in 1352.90 inches of liquid precipitation and 1608.7 inches of snowfall. A congratulatory letter from **NWS Director, Louis W. Uccellini**, was also presented. Photo taken by DAPM **Marla K Doxey**.



CPM **Bonnie Bartling**, right, presented the Dick Hagemeyer Award for 45 years of dedicated service to Observer **Peggy Wolf** at the Wolf Ranch in San Miguel, CA. Peggy's neighbors, the Curtis family, started the site some 65 years ago. Their site was in Valleton, just north of San Miguel in nearby Monterey County. When the Curtis family moved to Montana in October 1968, the Wolfs generously agreed to take over observations. It was shifted several times within the San Miguel area, then in 1973 moved to its current location at the Wolf Ranch. As ranchers, Peggy said they have always had a profound desire to maintain consistent and accurate climate records because their livelihood depends on weather and climate information. For example, the flood of 1969 financially devastated the Wolf family and the killer frost of 1972 ruined their grain crop. Photo by MIC **Mark Jackson**.



Dr. Galen Eiben of Shell Rock, IA, shows his 35 year Length of Service award presented by CPM **Brad Fillbach**, NWS Des Moines.

Kevin Cox, observer at the **Dowagiac, MI, Wastewater Treatment Plant**, accepted a 40 Year Length of Service Award from the NWS Northern Indiana. No photo.

35, 30 Year Length of Service Awards



Michael Overturf, Observer for Clay Center, NE, was presented with a 35 Year Length of Service Award. Mike also ran the observation program at his work for 5 years before taking over the Clay Center station. Since Mike began recording precipitation, he has measured a total of 946.48 inches of liquid precipitation. Mike has also measured 1,058.50 inches of snow during his 35 years as an observer. His wettest year was 1993 with 44.67 inches and the driest year was 1988 when he measured 17.20 inches. HMT **Phil Beda** presented Michael with the award. No photo.

Leona (Lee) Roitsch was a wonderful observer for over 35 years at La Grange, TX. Leona was always known to have a smile on her face and was helpful to everyone around her. She passed away on November 15, 2013. This 35 Year Length of Service Award was given posthumously to her daughter, **Cheryl**. Lee will be greatly missed. Presenting the award is HMT **Patrick McDonald**, NWS Austin/San Antonio, TX.

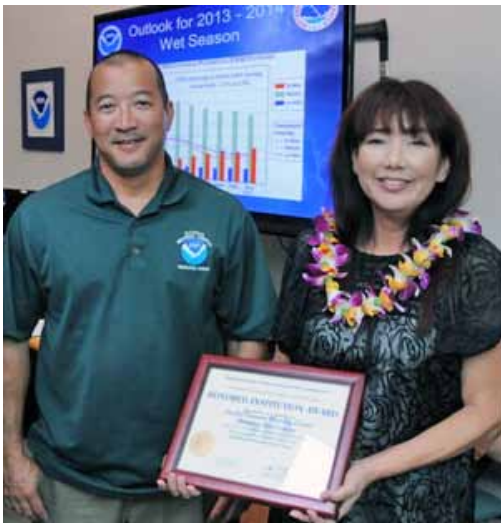


Lanette Edmondson of Kendalia, TX, accepts a 35 Year Length of Service Award from HMT Patrick McDonald, NWS Austin/San Antonio TX. Lanette is retired from the Kendalia Post Office after more than 35 years of service. She has been observing and reporting weather information since 1978.
Photo by OPL **Steve Smart**.



David Mattice of Emmons, NY, was presented a 30 Year Length of Service Award by MIC **Barbara Watson**, NWS Binghamton, NY.

50 and 25 Year Honored Institution Awards



From left, Pacific Regional Director **Ray Tanabe** presents the 50 Year Honored Institution Award to **Lynn Kaisan** representing **Pacific Tsunami Warning Center**. The award was presented at the annual Wet Season Briefing at NWS Honolulu office on the University of Hawaii campus. Attending the briefing were representatives of the media, military, Pacific Region Headquarters and NWS Honolulu. Lynn has been the focal point for the weather equipment at the center several years. Photo courtesy of **Craig Kojima Honolulu Star Advertiser**.



From left, **Rusty Hardin** and **Randy England** of the **Claiborne County Utility District** in Tazewell, TN, accept the 25 Year Honored Institution Award. OPL **Derek Eisentrout**, NWS Morristown, TN, presented the award.



Mount Pleasant Iowa **Radio Station KILJ** owner **Paul Dennison**, right, accepted a 25 Year Honored Institution Award from HMT **Tom Olsen**, NWS Davenport, IA. Primary observer **John Kuhens**, was not available. In addition to taking daily temperature and precipitation readings, John also downloads data from the Fischer-Porter Replacement precipitation gauge every month. Photo by MIC **Steve Kuhl**.

Larry Gillett, precipitation and temperature observer for Burr Oak, KS, was presented with a **25 Year Service Award**. Larry's nickname around the office is the "human ASOS" because he will call NWS with weather conditions 24/7. It seems like he never sleeps. HMT **Phil Beda**, NWS Hastings, NE, presented Larry with the award. No photo.

Charlotte Hanson, Observer for Jewel, KS, was presented with a 25 Year Service Award by HMT **Phil Beda**, NWS Hastings, NE. Since Charlotte began recording precipitation she has measured a total of 651.13 inches of liquid precipitation. Charlotte has also measured 619.2 inches of snowfall during her 25 years as an observer. The wettest year was 1993 with 47.12 inches and the driest year was 2000 when 15.23 inches were measured. No photo.

25 Year Service Award and Honored Institution Awards



Thomas Kurth and his wife **Kaye** show Tom's 25 Year Length of Service Award. Official weather observations of rain, snow, and temperature data in Le Mars, SD, date back to 1896. The award was presented by HMT **Brad Adams**, NWS Sioux Falls, SD. Tom is active in his community and has been on the city council and planning commission. In his spare time, he enjoys playing with his grandchildren, gardening and harvesting his apple orchard.



Marty Johnson and **Brian Mansfield** of the Monmouth, IL, extension of the University of Illinois Northwestern Agriculture Research Center accept a 25 Year Honored Institution Award. The award was presented by Met Intern **Tim Gross**, NWS Davenport, IA. Each year, about 50 different projects are conducted on the 320 acre site by up to 12 campus-based project leaders and the center superintendent.



Corps of Engineers Lockmaster, **Steve Felderman**, accepted the 25 Year Honored Institution Award on behalf of all **Rock Island, IL, Lock and Dam 15** employees. The award was presented by MIC **Steve Kuhl** of NWS Davenport, IA. Photo by HMT **Tom Olsen**.



Princeton, IL, Water Treatment Plant staff **Joe Merkel**, **John Eggers**, and Plant Supervisor **Mike Eggers** receive the 25 Year Honored Institution Award from HMT **Tom Olsen**, NWS Davenport, IA. Plant employees not pictured include **Charlie Evans**, **Brian Drake**, **Mike Adams**, **Tony Clementz** and **Eric Thompson**. Due to scheduling changes after their move to the new plant, the plant personnel cannot continue taking observations. **Bob Byrne** of Princeton, IL, assumed primary duties from the Princeton plant in August 2013. NWS offers its thanks to the Princeton Water Treatment Plant for 25 years of service. Photo by Meteorologist **Tom Philips**.

20, 15 Year Length of Service Awards



Catherine and **James Brown** of Durham, ME, proudly show their 20 Year Length of Service Award. Photo by OPL **Nikki Becker**, NWS Gray, ME.



Marge Heinemann receives her 20 Year Length of Service Award in Rhinelander, WI, from Electronic Systems Analyst **Rob Hoag**, NWS Green Bay, WI.



Helen and **Robert St. Clair** of Luray, MO, were presented a 20 Year Length of Service Award by HMT **Tom Olsen** of NWS Davenport, IA. In addition to taking daily precipitation readings, Helen and Robert download data from the Fischer Porter Replacement precipitation gauge monthly.

Edward Kelso, of Plymouth, IN, accepted a 20 Year Length of Service Award from NWS Northern Indiana. No photo.

Randall Schenck of West Jasper, NY, received a 20 Year Length of Service Award from HMT **Mitch Gilt**, NWS Binghamton, NY. Randall is continuing 65 years of precipitation data collection started by his grandfather. No photo.

Edward "Skip" Jackson of Candor, NY, was presented a 15 Year Length of Service Award by HMT **Mitch Gilt**, NWS Binghamton, NY. Ed continues more than 65 year of precipitation data from the Candor area.

15 Year Length of Service Awards



Mary and **Noel Clemens** of Camden, NY, accept their 15 Year Length of Service Award. The award was presented by HMT Mitch Gilt, NWS Binghamton, NY. Mary and Noel continue a history of more than 65 years worth of climate data from the Camden area.



Observer **Dan Frick**, left, of Ness City, KS, was presented with a 15 Year Length of Service Award by Senior Meteorologist **Matt Gerard**, NWS Dodge City, KS. The station was founded in 1889 by Observer **L.E. Knowles**. The site had many observers up through 1947 when **Floyd Cooley** took it over. Fred was the observer for 36 years. Dan took over the station in 1998.



Leland and **Sharon Shaum**, of Goshen, IN, accept a 15 Year Length of Service Award. They are proudly retaining the station's weather records which date back to 1915. They maintain a database of all of the station's data and compile monthly and yearly summaries. Their most memorable weather event was a day in July 2006 when they had to empty the inner tube of their rain gage 3 times and measure the water in it for a fourth time within a single rain event. Photo taken and award presented by OPL **Brentley Lothamer**, NWS Northern Indiana.



Kayla Sleezer accepted a 15 Year Length of Service Award on behalf of her dad, **Steve Sleezer**, of Menville, IA. Steve could not be present. The award was presented by HMT **Brad Adams**, NWS Sioux Falls. Steve enjoys spending time hunting and fishing around the area and is involved in helping with community outreach activities in Menville.

10 Year Length of Service Awards



Carl Bowers of the **Three Rivers Wastewater Treatment Plant** in Three Rivers, MI, accepts a 10 Year Length of Service Award from OPL **Brentley Lothamer** of NWS Northern Indiana. Photo by **Elena Hines** of the *Three Rivers Commercial-News*.



Mike Fiscus of Ames, IA, receives his 10 Year Length of Service Award. The award was presented by DAPM **Rob Deroy**, NWS Des Moines, IA.



Elinor Vandergriff of Medina, TX, was presented a 10 Year Length of Service Award by HMT **Cory Van Pelt**, NWS Austin/San Antonio, TX.

James Brundege of Callicoon Center, NY, was presented a 10 Year Length of Service Award by HMT **Mitch Gilt**, NWS Binghamton. No Photo.

Gary Donat of the **Paulding Wastewater Treatment Plant** in Paulding, OH, accepted a 10 Year Length of Service Award from NWS Northern Indiana. No Photo.



Doug Humbert, right, of the **Three Rivers Wastewater Treatment Plant** in Three Rivers, MI, accepts a 10 Year Length of Service Award from OPL **Brentley Lothamer**, NWS Northern Indiana. Photo by **Elena Hines** of the *Three Rivers Commercial-News*.



Wayne Vanderpool of Towanda, PA, accepts his 10 Year Length of Service Award. The award was presented by HMT **Mitch Gilt**, NWS Binghamton, NY.

**The National
Cooperative
Observer**

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March, April May Temperature and Precipitation Outlooks From the Climate Prediction Center

