



The National Cooperative Observer

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Winter 2010

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Fischer-Porter Rain Gauge Milestone

By **Tom Trunk**, National Cooperative Program Manager

Electronic data loggers were installed on all 68 Fischer-Porter rain gauges in of Hawaii last summer, (See [National Cooperative Observer, Summer 2009](#)). These rain gauges were initially installed in the mid-1970s. Careful planning for the upgrade to data loggers ensured a seamless transition for the climate records.

The change to you, the Observer, was minimal. At the start of each month, Observers mail a small memory card, like that used in a digital camera, to their local NWS Coop program representative.

With success in Hawaii, modernization progressed to Alaska and the Continental United States, where 313 Observers received the Fischer-Porter Rebuild data logger. Most of these Observers are in the NWS Southern and Eastern regions.

NWS achieved a milestone in early 2010 when 25 percent of the Fischer-Porter network of 2,300 sites were collecting data electronically. In all, 30 of the 123 NWS Forecast Offices have fully completed their Fischer-Porter modernization project.

Your NWS representative was required to install new hardware, give training, run virus checking software, and ensure the file transfer process worked successfully and was



Electronic data loggers were installed to all 68 Fischer-Porter rain gauges in Hawaii, last summer. Pictured below is the Kaneohe, HI, site.

Climate changes are underway in the United States and are projected to continue.

delivering data to the National Climatic Data Center (NCDC).

The data is published monthly by NCDC in the [Hourly Precipitation Data](#) (HPD) bulletin. To view a sample of the HPD, click the link above, then scroll down through the section that says, "Most Requested F" and click on the sample. The second round of the Fischer-Porter Rebuild installations will enable many

NWS eastern and southern region offices to complete their sites by the end of this year.

Forecast offices with higher concentrations of rain gauges, many of which are in the NWS Western Region, are projected to be modernized after the second round is finished. The entire project is scheduled to be completed by 2013. ☼

What Does the Copenhagen-15 Climate Summit Mean for Your Home Town?

By [Ron Gird](#), NWS Outreach Manager

Copenhagen-15 is now history and time will determine the overall assessment of this two-week meeting of scientists, government leaders and administrators. It is a challenge to develop new public policy involving science, technology, natural resources and human populations. The term, "Think Globally, Act Locally" applies more than ever. This article will briefly summarize local climate change impacts, local NWS climate resources and community partnerships.

The U.S. Global Change Research Program recently published a booklet entitled [Global Climate Change Impacts in the United States](#). The booklet highlights ten key findings and offers examples of each. Here are two of the findings:

- Climate changes are underway in the United States and are projected to continue. Rising temperatures and changing precipitation patterns are detailed.
- Widespread climate-related impacts are occurring now and are expected to increase. Energy supply and use, transportation, society and ecosystems are detailed.

[NOAA's Climate Office](#) is committed to helping the government, businesses, and the public adapt to changing climate

conditions and reduce the threat of climate change. NOAA Climate Services include:

- Research
- Observing, Monitoring and Data Stewardship
- Modeling, Prediction and Projections



Scientists drill in the Arctic and Antarctic to determine if and how much the ice cap is melting.



Clean energy from wind is just one of many options being used to reduce our impact on global climate change.

Local TV Meteorologists and NWS scientists provide climate information to the community via the Earth Gauge Program.

- Assessments
- Capacity-Building, Outreach, Delivery and Training
- Climate Literacy

NWS climate services ranges from global to local scales. The NWS National Centers for Environmental Prediction (NCEP) in Camp Springs, MD, operates the [Climate Prediction Center](#), which tracks climate worldwide and produces products for the entire U.S., such as the 6-10 Day Outlook, the 1- and 3-month Outlook products, the U.S. Drought Assessment and a Climate Glossary.

Locally, NWS has 122 Weather Forecast Offices and 13 River Forecast Centers; each office has a Climate Services Focal Point.

This team provides local climate products such as the 3-month temperature outlook, and conducts outreach and education, such as visits to schools and community organizations. NWS operates the Cooperative Observer Program with over 10,000 volunteers taking daily climate measurements. These volunteers take observations on farms, in urban and suburban locations, national parks, seashores and mountaintops. The observations are taken where people work and play.

Communicating climate change information to the public requires partnerships within the

local community. Local TV meteorologists and NWS scientists provide climate information to the community via the Earth Gauge Program. The Earth Gauge Program is run by the [National Environmental Education Foundation](#). Weekly Climate Factoids are provided to local meteorologists participating in the program. The factoids can be seen on local TV weathercasts as well as community presentations by local NWS staff.

The [U.S. Environmental Protection Agency](#) (EPA) has a handout entitled, Global Warming-What's Your Score? Here's an excerpt from the handout: "In the United States, a typical household of two people generates approximately 41,500 pounds of carbon dioxide emissions annually from household activities and personal transportation."

You can find publications on [climate change topics](#) on the NWS Website. ☼

New Video on How to Measure Snow

In conjunction with Nolan Doesken at Colorado State University, NWS now has a new video online showing how to [correctly measure snow](#). Check it out! ☼

Thomas Jefferson Awards

Stuart J. Haby, left, receives the Thomas Jefferson Award from Joe Arellano, Meteorologist-in-Charge (MIC) of the NWS Austin/San Antonio Office. A luncheon and award presentation honoring Stuart was held at the Lakehouse Restaurant in Kerrville, TX. Photo by Steve Smart, Observing Program Leader (OPL).



MIC John Livingston, NWS Spokane, WA, presents a Thomas Jefferson Award and a 40 Year Length of Service Award to **Jean Moore** of Plain, WA. Jean and her late husband, **Troy**, took over the observation duties on April 1, 1968. Jean never misses an observation.

John Campanius Holm Awards

John Ey, center, Observer at Lemon Dam, CO, was presented with the John Campanius Holm Award. Presenting the award was MIC Doug Crowley, left, NWS Grand Junction, CO, and Data Acquisition Program Manager (DAPM) John Kyle, right



DAPM Susan Nelson of Western Region Headquarters and MIC Brian Klimowski, NWS Flagstaff, AZ, presented the John Campanius Holm Award to **Carl-Eric Granfelt**. Carl-Eric's observing history dates back to 1975, when he worked for the Bureau of Indian Affairs Forestry Division in Whiteriver, AZ. He always submits high quality and easily legible observations. He maintains a friendly and cooperative attitude with NWS staff and has a similar reputation in his community. He often shares information concerning the history of the McNary site as well as nearby sites.

Carl-Eric Granfelt, right, McNary, AZ, accepts the Holm Award from Larry Riggs, OPL/Cooperative Program Manager (CPM) with help from backup Observer, **Mrs. Garrett**.

John Campanius Holm Awards

Daryl Heupel, right, from Pretty Rock, ND, shows his John Campanius Holm Award presented by Vern Roller, CPM/ Hydrometeorological Technician (HMT), NWS Bismarck, ND. Daryl has shown exceptional commitment to his role as an NWS Observer.



From left, Shawn Harley, MIC, NWS Jackson, KY, presents a John Campanius Holm Award to **Doris Lowe**, Cooperative Observer for Baxter, KY, with help from David Stamper, OPL. Doris and her father **Homer Nolan** have sent in consistent and reliable reports from this site for the last 74 years.

John Campanius Holm Awards



It was supposed to be just another City Council meeting in Hastings, MI. **David McIntyre**, the Observer for Hastings, was surprised when he was surrounded by his family and friends at the podium. With the help of city leaders and council members, Mayor Bob May and Dave's wife of 51 years, **Lois**, presented Dave with a Holm Award. Lois received a Special Service Award for all of the support she has given Dave.

After the ceremony Dave's wife, children and grandchildren joined him at the County Seat Restaurant for a celebration dinner. The award was presented by NWS Grand Rapids, MI, OPL George Wetzel. Also at the dinner were Service Hydrologist Mark Walton and CPM Michael Kalembkiewicz. Photo by Service Hydrologist, Mark Walton.

MIC John Livingston, NWS Spokane, WA, presented **Nancy Taylor** with the John Campanius Holm Award at her home in La Crosse, WA. Nancy and her late husband, **Richard**, took over observation duties September 1, 1974. Nancy's observations are always on time. La Crosse is in the Washington State Palouse area which is known for its grain production. Her data is also used by the City and Wheat Growers Association. Nancy was also given her 35 Year Length of Service Award.



John Campanius Holm Awards



The Thomson family began recording weather observations in Richmond on October 1, 1911. **Harold Thomson** took over observations in 1968. During his tenure, Harold has provided uninterrupted weather observations and recorded daily precipitation and temperature data as well as critical storm spotter information. Photo by Gary Wicklund, NWS.

From left, Dr. Robert Gilles, Utah State Climatologist, presents Richmond, UT, Observer **Harold Thomson** with the Holm Award, with help from MIC Rick Dittmann, NWS Pocatello, ID.

Thomas Yawn, of Homerville, GA, receives the Holm Award. Thomas is reliable and conscientious, both as an institutional and an individual Observer. His reports often contain additional remarks about frost, smoke, fog, lightning and strong winds.

Thomas is employed at The Langdale Company of Valdosta, GA. The company encourages community service such as the Coop program. The Holm Award was presented at the company's headquarters by its president, John Wesley Langdale III. Langdale commented on the many attributes that not only make Thomas an excellent employee but also an outstanding Observer.



From left, Jason Deese, Meteorologist, NWS Jacksonville, FL; John Wesley Langdale III, President of the Langdale Company; **Thomas Yawn**, Observer; and Mike McAllister, OPL, NWS Jacksonville, FL. Photo by Derreck Gibbs of The Langdale Company.

Helmut E. Landsburg 60 Year Awards



From left are **Ken Hottovy**, backup Observer, Larry Ruthi, MIC, NWS Dodge City, KS; and **Joy Cudney**, Observer at Trousdale, KS. Joy shows her Helmut E. Landsberg Award for 60 years of service by Joy and her husband **Ray**, who passed away in 1995. This family station dates back to 1916.

Oscar Semadeni, center, Observer at Cedar Point, UT, and wife, **Lila**, were presented with the Helmut E. Landsberg Award. Presenting the 60 Year Landsburg Award was MIC Doug Crowley, NWS Grand Junction, CO.



50 Year Edward H. Stoll Awards

From left, Cathy Baldwin, daughter; Bruce Baldwin, son; Larry Ruthi, MIC, NWS Dodge City, KS; and **J. Hayes Baldwin**, Observer at Kalvesta, KS, celebrate 50 years of service. J. Hayes was presented with the Edward H. Stoll Award for 50 years of service. Also attending were Debbie Pugh, representative for Senator Pat Roberts, and Dennis Mesa, representative for Senator Sam Brownback. Photo by Jesse Lee.



From left, MIC Lans Rothfusz, NWS Peachtree City, GA, presents **Cicero "Willis" Swint** of Jonesboro, GA, with a Edward H. Stoll Award for 50 years of service. Frank Taylor, OPL, helps show the awards. Cicero, 81 years young, has actually been observing more than 50 years. Before becoming the primary Observer, he helped his father, **E. J. Swint** as far back as 1940.

The award was presented in front of a small gathering of Jonesboro officials, local residents and customers at Cicero's business, Swint's Feed and Garden Supply. Photo courtesy of Joel Hall, *Clayton News Daily*.

100 and 50 Year Honored Institution Awards

Observer **Rosa Anderson** and Acting District Ranger **Will Marcroft**, right, accept a 100 Year Honored Institution Award on behalf of the **Lost River Ranger District Headquarters** in Idaho. The award was presented by MIC Rick Dittmann, NWS Pocatello, ID. Rosa has been a great Observer for many years. Photo by Gary Wicklund.



The staff at **Downsville, NY, Department of Environment Protection for New York City** received its 50 Year Honored Institution Award. The award was presented by Mitch Gilt, NWS Binghamton, NY. The New York City Department of Environment Protection has a long standing partnership with the NWS in the Catskill Mountains of New York.

Radio Station KLGGA Algona, IA, received its 50 Year Honored Institution Award. Accepting the award were KLGGA staff **Dana Meyer** and **Al Lauck**. The award was presented by Jeff Johnson, WCM, NWS Des Moines.



50 Year Honored Institution Awards

Capt. Curt Williges of the **Marysville Fire Department** accepts a 50 Year Honored Institution Award. The fire station in Marysville has kept a record of daily maximum and minimum temperatures and rainfall since 1950. The award was presented by George Cline, OPL, NWS Sacramento, CA.



Dan Moran, biologist for the Michigan Department of Natural Resources accepts a 50 Year Honored Institution Award for **Houghton Lake** located at the **Porter Ranch Wildlife Research Facility**. Dan is known for his knowledge of and experience with black bear in the state. The award was presented by Dennis R. Fruehauf, CPM, NWS Gaylord, MI.

Diane Fales of **Reclamation District 1001** near Nicolaus, CA, accepts a 50 Year Honored Institution Award. The staff at the Reclamation District Office, located in the Sacramento Valley, have kept careful records of the rainfall at this site since 1959. The award was presented by OPL George Cline, NWS Sacramento, CA.



50 Year Honored Institution Award

Betsy King of **Terra Industries** accepted a 50 Year Honored Institution Award. The award was presented by Latrice Maxie, OPL, NWS Jackson, MS. Mississippi Chemical Company, now Terra Industries, began taking weather observation in 1959.



45 Year Dick Hagemeyer Awards

John R. Anderson of Walpole, MA, proudly shows his Dick Hagemeyer Award for 45 years of service. John began taking observations in high school as part of a science project. At that time he was also a substitute Observer for the Walpole, MA, station. John became the Observer in Norwood, MA, in 1962. In 1972 he moved to Walpole and took over for Walpole station.

John is assisted by backup Observer **David Doe**, a long time friend and colleague. John is a true weather aficionado who has compiled a climatological summary of local area records dating back to 1902. He and his wife, Susan, have been married for 37 years. John is president of the Walpole Historical Society and the recipient of the John Campanius Holm Award. Photo by CPM Kimberly Buttrick, NWS Taunton, MA.



Harold R. Hoyt, right, of Rock Hill, NY, was presented the Dick Hagemeyer Award for 45 years of dedicated service.

The award was presented by Mike Nadolski, OPL, NWS Binghamton, NY. Harold is continuing over 50 years worth of temperature and precipitation data from the Rock Hill area. Photo by Mitch Gilt, HMT.

45 Year Dick Hagemeyer Awards

William Newberry, left, Observer at Cimarron, CO, was presented with the Dick Hagemeyer Award. Presenting the 45 Year Award was MIC Doug Crowley, NWS Grand Junction, CO.



40 Year Length of Service Awards



NWS thanks two generations of Observers: **Bud Purdy**, left, and son, **Nick**, right. Bud holds a personal letter of gratitude for service above self to his son, from Jack Hayes, Director of NWS. Nick shows his 40 Year Length of Service Award. Also present is Nick's wife, **Sharon**. Photo and presentation by Gary Wicklund, NWS Pocatello, ID.

HMT John Parr, center, of NWS Central Illinois, presents a 40 Year Length of Service Award to **Mildred** and **Joseph Sommer** from Chenoa, IL.



40 and 35 Year Length of Service Awards



Oneta J. Sowers of Red Bluff Crossing, TX, receives her 40 Year Length of Service Award from Buddy McIntyre, MIC at NWS San Angelo, TX. Photo by Eva Mullen, HMT/CPM.



Layton Barney, Observer at Hatch, UT, is shown accepting his 35 Year Length of Service Award. Christopher Young, Meteorologist at NWS Salt Lake City, UT, presented the award. Photo by OPL Steve Summy.



From left, **Wilford "Fritz" Dreiling**, of Saint Peter, KS, accepts a 35 Year Length of Service Award from Mike Lammers, OPL, NWS Goodland, KS. Photo by HMT Christina Henderson.



C. Bryce Jackson, Observer at Fairview, UT, shows his 35 Year Length of Service Award. C. Bryce is an outstanding Observer who also provides hourly precipitation data from the Fischer-Porter rain gauge. The award was presented by Salt Lake City OPL, Steve Summy.

40, 30 and 25 Year Length of Service Awards



NWS Greenville-Spartanburg, SC, invited a group of Length of Service Cooperative Observer Award winners to a ceremony at the NWS office. The ceremony began with an overview of the Cooperative Observation Program at NWS Greenville. Emphasis was placed on the importance of the Cooperative Observation Program within our organization and to other constituents in the federal, state and public arenas. A tour of NWS Greenville-Spartanburg followed, which included a demonstration of forecast tools, technologies and capabilities. Master of ceremonies DAPM Terry Benthall then conducted an outdoor program which included the presentation of plaques and awards. A luncheon concluded the day's festivities.

Pictured from front left are **Cindy Kimsey**, Calhoun Falls, SC, 25 Years; **Alice Cobb**, Gaffney, SC, 40 Years; **Thomas Huskin**, Grandfather Mountain, NC, 25 Years; and **Tommy Richardson**, Vale, NC, 30 Years.

The award winners also got the chance to meet many of the people they so generously serve. Pictured from left back are Larry Lee, Science Officer; Larry Gabric, MIC; Joel Cline, National Cooperative Program Manager, Washington DC; Scott Hausman, National Climatic Data Center Deputy Director, Asheville NC; William Schmitz representing the Southeast Regional Climate Center from Chapel Hill, NC; Sharon LeDuc, National Climatic Data Center Deputy Director, Asheville NC; Hope Mizzell, South Carolina State Climatologist; Lora Mueller, Eastern Region Cooperative Program Manager; and DAPM Terry Benthall.

35 Year Length of Service Awards



Hazel Evans, Observer at Beulah, MI, received her 35 Year Length of Service Award. Hazel took over the position when her husband passed away in 1973. She has done a wonderful job of providing weather data to both the NWS and the local community for three and a half decades. The award was presented by Denny Fruehauf, CPM, NWS Gaylord, MI.



Arnold Sorenson received a 35 Year Length of Service Award. The award was presented by OPL Jerome Saucier, NWS Great Falls, MT.



Alan Gerard, MIC, NWS Jackson, MS, helps Observer **Dot Skelton** show her 35 Year Length of Service Award for Leland, MS. The award was presented during the monthly meeting of the Woodman of the World. The Skelton family has been taking weather observations since 1974. Photo by OPL Latrice Maxie.



Edward Williams, left, was presented with a 35 Year Length of Service Award by Alan Gerard, MIC, NWS Jackson, MS. Edward has been taking observations since 1974. Photo by OPL Latrice Maxie.

30 Year Length of Service Awards



Stephen S. Autry of Coleman, TX, receives a 30 Year Length of Service Award from Buddy McIntyre, MIC at NWS San Angelo, TX. Photo by Eva Mullen HMT/CPM.



Leo Dexter and his wife **Kathryn**, from Fiddletown, CA, recently received a 30 Year Length of Service Award. Although Leo's name is on the certificate, Kathryn has been involved in getting the rain gauge tapes and monthly report forms in the mail as well. The award was presented to the Dexters by George Cline, OPL, NWS Sacramento, CA.



From left, Alan Gerard, MIC, NWS Jackson, MS, presents a 30 Year Length of Service Award to **Wilburt Easom**, Observer at Collinsville, MS. Photo by OPL Latrice Maxie



Doug Nuttall, left, from Lawrenceville, IL, is presented with his 30 Year Length of Service Award by Meteorological Intern (MIT) Amy Jankowski of NWS Central Illinois.

30 and 25 Year Length of Service Awards



Bob Wetzsteon, center, from Sula, MT, received a 30 Year Length of Service Award. Bob maintains the Fischer-Porter gage located about 11 miles south of Sula, as the crow flies, on Gibbons Pass. Presenting the award was Bruce Bauck, MIC, NWS Missoula, MT. Bob's mother, **Betty Wetzsteon**, was also present for the award. Photo by Stan Krenz, OPL.



Norman and Marlene Skabroud, Observers at Jump River, WI, accept their 30 Year Length of Service Awards. The awards were presented by Michelle Margraf, OPL, NWS Chanhassen, MN.



Tom Bartholomew, right, of Faulkton SD, accepts his 25 Year Length of Service Award from Tim Kearns, DAPM, Aberdeen SD. Tom is an avid Minnesota Vikings fan and insisted on having the MMTS pole painted purple to honor the team color. Photo by Anthony Gionta, MIT.



Charles Black, of Peru, VT, accepts a 25 Year Length of Service Award from Timothy Scrom, OPL, NWS Albany, NY. Charles measures temperatures and precipitation, including heavy amounts of winter snowfall, on his property, which is the site of a popular cross-country ski center. Photo by MIT Brian Frugis.



Pictured is **George Bomar** from Dripping Springs, TX. George shows his 25 Year Length of Service Award presented by Patrick McDonald, NWS New Braunfels, TX.

25 Year Length of Service Awards



Ben Borsoff, left, was presented with a 25 Year Length of Service Award at his store in the mountain community of Strawberry, CA. The award was presented by George Cline, OPL, NWS Sacramento, CA.



Ward Scribner received a 25 Year Length of Service Award from NWS Great Falls OPL Jerome Saucier.



Dr. Rod Hanson, D.V.M., shows his 25 Year Length of Service Award. Making the presentation was HMT Tom Stangeland, NWS La Crosse, WI.



Latrice Maxie, OPL, NWS Jackson, MS, presents a 25 Year Length of Service Award to **David Williams**, Observer, at **Mississippi State Extension Services, Truck Crop Experiment Station** in Crystal Springs, MS. Photo by Dr. Bill Evans, Assistant Research Professor. Crystal Springs has been taking Observations since 1892.



Bonnie and Richard Kenyon of McCarthy, AK, received their 25 Year Awards from CPM Jim Jones, center. Bonnie and Richard have the unique position of observing weather from the largest U.S. National Park and Reserve, Wrangell-St. Elias National Park. McCarthy is at the end of more than 60 miles of gravel roads, over 300 miles from Anchorage, and is the site of the historic Kennecott Copper Mine. Surrounded by four mountain ranges, as well as nine of the 16 highest mountains in the U.S., the park also has the greatest concentration of glaciers on the continent. Photo by Coop/Quality Control Specialist Michael Kutz.

25 Year Honored Institution Awards



Tony Coloff, KLOW Frest City, accepts a 25 Year Honored Institution Award from Jeff Johnson, WCM, NWS Des Moines, IA.



On behalf of the **Arboretum** at Flagstaff, AZ, **Whitney Rooney**, Observer, accepts a 25 Year Honored Institution Award. The award was presented by Larry Riggs, OPL/CPM at NWS Flagstaff, AZ.



HMT John Parr, left, of NWS Central Illinois, presents the 25 Year Honored Institution Award to **Richard Taylor**, right, of **Central Illinois Production Company** at Sidell, IL.



Donald Schaufler of Arnot Forest, NY, accepts a 25 Year Honored Institution Award. The award was presented by Mitch Gilt, HMT, NWS Binghamton, NY. The **Arnot Forest** is one of four Coop sites in the Finger Lakes region of New York established in partnership with Cornell University.



Van Peterson is shown accepting a 25 Year Honored Institution Award for the **Scofield-Skyline Mine Station** near Scofield, UT. The Surface Crew records the weather each day at an elevation of 8,700 feet. After 25 years of spinning the thermometers each day, the Surface Crew was happy to see a Nimbus installed to replace the thermometers. The award was presented by Salt Lake City, UT, OPL Steve Summy.

20 Year Length of Service Awards



From left, **Bill Klein**, Facility Manager, and Primary Observer **Myron Anderson** of **Michigan State University's Northwest Horticultural Research Station** show a 20 Year Length of Service Award presented to Bill by Jim Keysor, WCM, NWS Gaylord, MI. Photo by OPL Keith Berger.



HMT John Parr, left, of Central Illinois, presents a 20 Year Length of Service Award to **Rick Dickinson** from Congerville, IL.



Observer **Peggy Bewley** was presented a 20 Year Length of Service Award for the Thrall, KS, area. Presenting the award was Leon Wasinger, CPM, NWS Wichita, KS.

David Mark Hamilton accepted a 20 Year Length of Service Award from Latrice Maxie, OPL, NWS Jackson, MS.



HMT John Parr, left, from NWS Central Illinois presents a 20 Year Length of Service Award to **John Kenyon** of Lacon, IL, outside his store.

20 and 15 Year Length of Service Awards



Steve Sobel, right, is an avid weather enthusiast and has been a faithful NWS Observer for over 20 Years.



Dianne Hanson of Britt, IA, receives her 15 Year Length of Service Award from Rob Deroy, DAPM, NWS Des Moines, IA.

Kathy Bastian, Observer at Salina, UT, was presented a 15 Year Length of Service Award. Kathy works for the **SUFCO Mine** and records the daily weather at the stations elevation of nearly 7,600 feet. Steve Summy, OPL at NWS Salt Lake City presented the award. No photo available.



Bill Carson, Observer in Boyne Falls, MI, proudly displays his 15 Year Length of Service Award.

Bill, who has never missed an observation, is truly a “man for all seasons,” driving a snow plow for the County Road Commission and serving as Village President. Photo by Dennis R. Fruehauf, CPM, NWS Gaylord, MI.



Bob Dishman received a 15 Year Length of Service Award from NWS Great Falls OPL Jerome Saucier.



Gary Wicklund, OPL, NWS Pocatello, ID, presents a 15 Year Length of Service Award to **Jane Digerness** of Rich County, UT. Photo by Dean Hazen.

15 Year Length of Service Awards



Louise Logston of Polk, NE, receives a 15 Year Length of Service Award from Marla K. Doxey, DAPM, NWS Hastings, NE. Louise has measured more than 400 inches of liquid precipitation and over 360 inches of snow.



Gary McDill accepted a 15 Year Length of Service Award. The award was presented by Latrice Maxie, CPM, NWS Jackson, MS.



Myrna Parkman holds up her 15 Year Length of Service Award presented by Latrice Maxie, CPM, NWS Jackson, MS.



Kenneth Pecinovsky of Nashua, IA, was presented a 15 Year Length of Service Award by Brad Adams, of the NWS La Crosse, WI. Kenneth manages the Iowa State University Research and Demonstration Farm just outside of Nashua, IA.



Ron Pierce, Observer in Moab, UT, received a 15 Year Length of Service Award from Becky Klenk, CPM, NWS Grand Junction, CO.



Mike Reed, HMT, left, NWS Hastings, NE, proudly presented a 15 Year Length of Service Award to **John Plock**, Observer for the Shickley, NE, area. Photo taken by DAPM Marla K Doxey.

15 and 10 Year Length of Service Awards



Joe Sadler, right, from Reelsville, IN, celebrates 15 years as an NWS Observer. Presenting the award was Ed Terrell, OPL, NWS Indianapolis, IN. Photo by Marc Dahmer.



Marvin Thrailkill shows his 15 Year Length of Service Award. The award was presented by Latrice Maxie, OPL, NWS Jackson, MS.



John Shewchuk, right, of Matamoras, PA, accepts his 15 Year Length of Service Award from Brian Lovejoy, HMT, NWS Binghamton, NY.



Patsy Austin of Bucklin, KS, was presented with a 10 Year Award by Jesse Lee, OPL, Dodge City KS. Patsy's husband **Keith** was the Primary Observer before he passed away earlier this year. Patsy took over as Observer, continuing records from a site started in 1888! Photo by Jesse Lee, OPL, Dodge City KS.



Observers **Joe** (not pictured) and **Tonya Bruce** were presented a 10 Year Length of Service Award for the Atlanta, KS, area. Photo by Leon Wasinger, OPL, NWS Wichita, KS.



James Chandler shows his 10 Year Length of Service Award presented by Eva Mullen, HMT/CPM at NWS San Angelo, TX.

10 Year Length of Service Awards



Observer **Mary Cunningham** of Wakeeney, KS, was presented with a 10 Year Award by Jesse Lee, OPL, NWS Dodge City, KS. Mary took over the cooperative station from her mother, **Rose Doxon**. The station has been in the family since 1975.



Mary Ella Clark holds up her 10 Year Length of Service Award for Eagleville, TN. Photo by Ralph Troutman, OPL, NWS Nashville, TN.



Observers **Chris and Denise Geelhart** hold up their 10 Year Length of Service Award for Sherman, IL.



Jim Johnson, Observer at Houghton Lake, MI, shows his 10 Year Award. Jim is a retired biology teacher at Houghton Lake Schools as well as a former towerman for the Department of Natural Resources. He took over the site when daughter **Sally** moved away from home in 2005. Photo and award by Dennis R. Fruehauf, CPM, NWS Gaylord, MI.



Alan Gray of Federal Point, FL, was presented with a 10 Year Award. Alan continues a family tradition dating back to 1937. The award was presented by NWS Jacksonville, FL, OPL Mike McAllister.



Dr. Darin Kerr of Driggs, ID, receives a 10 Year Length of Service Award from Gary Wicklund, OPL, NWS Pocatello, ID. Photo by MIC Rick Dittmann.

Rob Lichner of Rochester, MN, was presented a 10 Year Length of Service Award by HMT Tom Stangeland. Rob has an avid interest in weather and served a summer internship at the old Rochester, MN, office during his college years.



10 Year Length of Service Awards



Sally Johnson shows her 10 Year Award for Houghton Lake, MI. Sally, a graduate of Central Michigan University with a minor in meteorology, initialized the cooperative site at her parents' house. Her father, **Jim**, acted as backup. In 2005, when Sally got her own place, Jim became the primary Observer and Sally the backup. Photo and award presented by Dennis R. Fruehauf, CPM, NWS Gaylord, MI.



Shirley Miller shows her 10 Year Length of Service Award presented by Latrice Maxie, OPL, NWS Jackson, MS. Shirley took weather observations for many years before becoming an official Observer in 1998.



Observer **Michael Moon** was presented a 10 Year Length of Service Award for providing precipitation readings for the Perth, KS, area. Leon Wasinger, OPL at NWS Wichita, KS, presented the award.



Terry Morgan of Cuba City, WI, received a 10 Year Length of Service Award. The presentation was made by HMT Tom Stangeland of the La Crosse, WI, NWS office.



Charlie and Gwendolyn Minshew of Pridgen, GA, show their 10 Year Length of Service Award and pin. The presentation and photo were by Mike McAllister, OPL, NWS Jacksonville, FL.



Danny Murphy accepted a 10 Year Length of Service Award from Latrice Maxie, OPL, NWS Jackson, MS. Danny has been a cooperative Observer since 1999.



Observer **J.D. Redford** of Cambridge, KS, shows his 10 Year Length of Service Award presented by Leon Wasinger, OPL, NWS Wichita, KS.

10 Year Length of Service Awards



Catherine Smelser, right, of Oskaloosa, KS, shows her 10 Year Length of Service Award from DAPM Bill Newman, NWS Topeka KS. Photo by HMT, Michael Couch.



Charlotte Spence of San Saba, TX, holds up her 10 Year Length of Service Award. Photo by Eva Mullen, HMT/CPM at NWS San Angelo, TX.



Regina Torgerson received a 10 Year Length of Service Award with "assistants" **Aidan, Zach** and **Regan**. Presenting the award was NWS Great Falls OPL Jerome Saucier.



Jay Van Loan, center, and his wife **Dori**, Observers at Glade Park, CO, were presented with a 10 Year Length of Service Award by MIC Doug Crowley, NWS Grand Junction, CO.



Phil Webber, Observer at Wellston, MI, shows his 10 Year Length of Service Award. The award was presented by Keith Berger, OPL, NWS Gaylord, MI.



Michael Wright, left, of Mitchell, IN, received his 10 Year Award from OPL Ed Terrell, NWS Indianapolis. Mike is a retired machinist and in addition to keeping an eye on the weather stays busy building decks and tree barns. Mike has also been known to track weather balloons just for fun. Mike says the best part of the Coop program is sharing with others how he takes observations and how important the program is to us all. Photo by Service Hydrologist Al Shipe.

From left, Christina Henderson, HMT, NWS Goodland, KS, presents a 10 Year Award to **Keith Wood**, of Parks, NE. Keith's father survived the devastating May 31, 1935, Republican River Flood by riding down the raging river on the roof of his house. Photo by OPL Mike Lammers.



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

