

The National Cooperative Observer



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SUMMER 1994

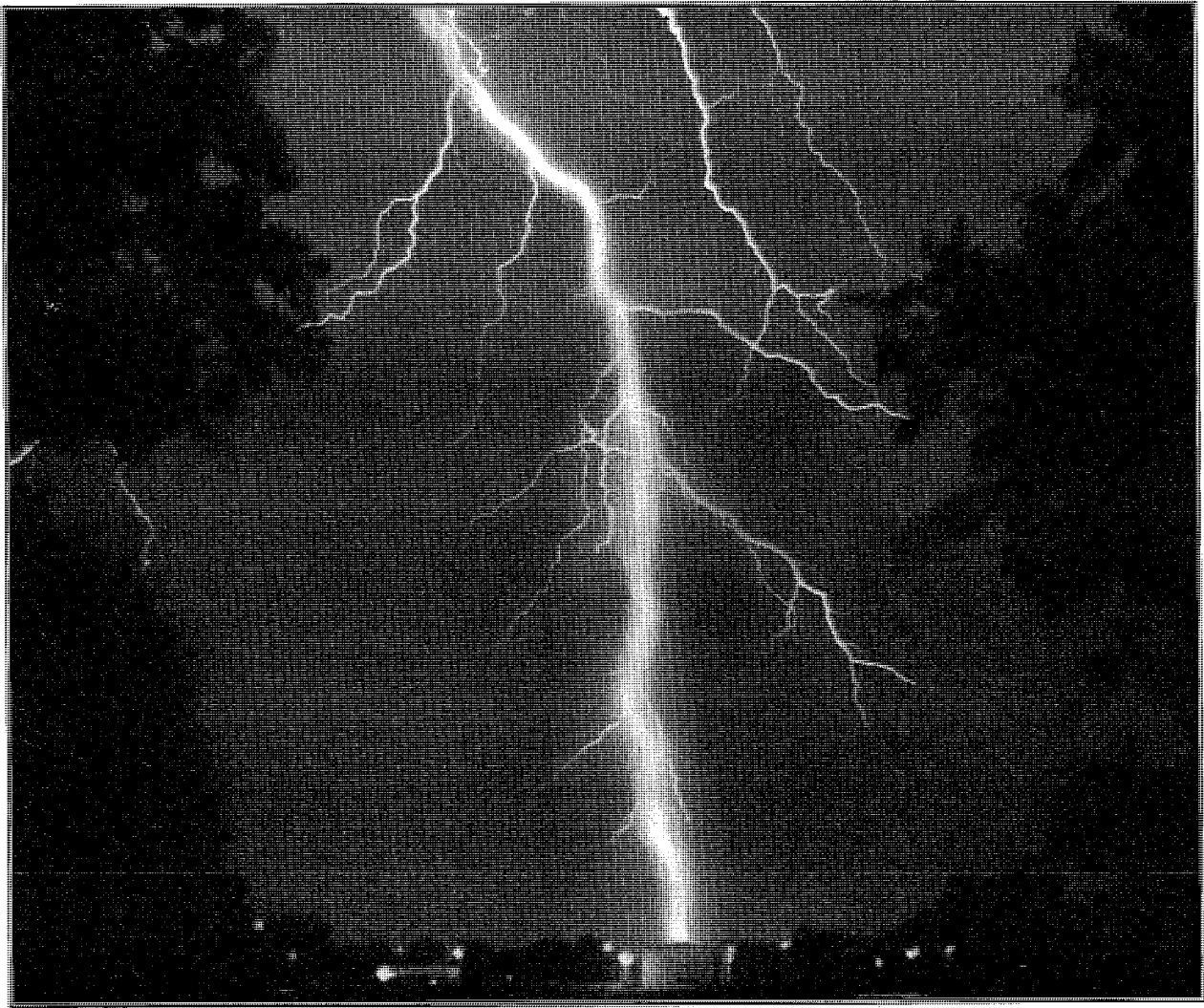
VOLUME 11

NUMBER 4

EASTERN REGION

SOUTHERN REGION

CENTRAL REGION



WESTERN REGION

ALASKA REGION

PACIFIC REGION

noaa

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

THE NATIONAL COOPERATIVE OBSERVER

National Climatic Data Center
Publication Staff: Sara C. Lackey, Cynthia B. Karl, and Grant W. Goode
Alexander Radichevich, NWS Coordinator

NATIONAL COOPERATIVE OBSERVER is prepared, funded, and distributed by the National Oceanic and Atmospheric Administration (NOAA) and is provided free of charge to Cooperative Observers.

Photographs are taken by NWS employees unless otherwise noted. Narratives are prepared and submitted by the NWS. Narratives are edited only for grammatical errors, space limitations, and consistency.

The Cooperative Observers Climatological Network was created in 1890. The program is currently administered by the National Weather Service, a line office of the National Oceanic and Atmospheric Administration, an agency within the Department of Commerce. One of the responsibilities of the National Weather Service is to take meteorological observations which are used to record the climate conditions of the United States. The National Weather Service relies heavily on a vast network of cooperative weather observer volunteers to achieve this objective.

The National Weather Service determines where observations are needed and furnishes standard meteorological instruments to individuals who volunteer their time to take and record daily observations of the weather. Currently, there are about 8000 published volunteer observing stations located in the United States and its territories. In addition to the thousands of cooperative observations stations operated by individuals, many are maintained by institutions and commercial firms (universities, utility companies, etc.). All cooperative observers submit a monthly report summarizing daily weather observations. These contributions to the climate record of the United States are invaluable.

The publication staff of **NATIONAL COOPERATIVE OBSERVER** welcomes your help in acquiring stories concerning experiences by cooperative observers and significant weather events. We request our observers to mail such items to:

Cynthia B. Karl or Grant W. Goode
National Climatic Data Center
37 Battery Park Avenue
Asheville, NC 28801-2733

Any such items received by the editor will be for use in the **NATIONAL COOPERATIVE OBSERVER** only. Any other use will be with permission of the owner of said items. Materials submitted will be returned if requested.

NOTE: No submissions were received from the Eastern Region for this issue.

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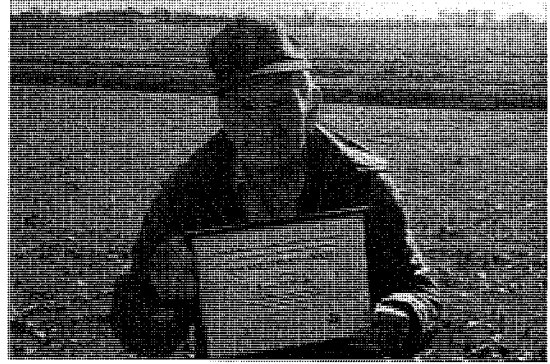
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Cover: Lightning in San Antonio, TX, June 2, 1974. (Photo courtesy: Grant W. Goode, Data Operations Branch, NOAA/NESDIS/NCDC, Asheville, NC.)

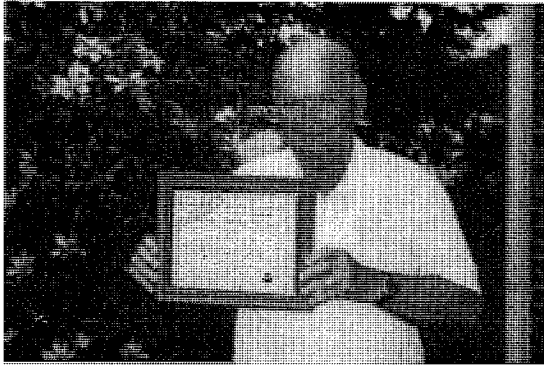
SOUTHERN REGION



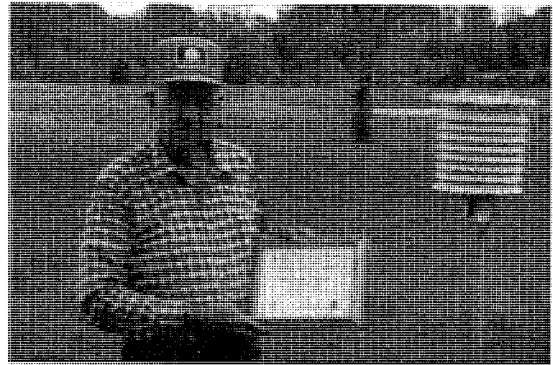
Jack Montgomery, observer, Rome, GA, received a 30-Year Length-of-Service Award. Robert Drummond, CPM/ATL, presented the award.



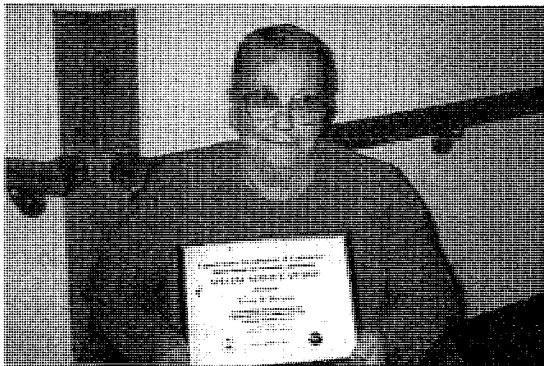
James W. Wright, observer, Lake Cormorant 1 W, MS, received a 35-Year Length-of-Service Award from Larry Arnold.



Alfred G. Dover, observer, Ellijay, GA, received a 25-Year Length-of-Service Award from Robert Drummond. This station has been in the Dover family since 1937.



A 25-Year Length-of-Service Award was presented to Edward Ferguson, observer, Independence 1 W, MS. Mr. Ferguson is retired from Trunkline Gas Company. Presentation was made by Larry Arnold.



Erlene B. Hellums, observer, Sarepta 1 NNE, MS, received a 35-Year Length-of-Service Award. She recently had to give up her weather recordings due to health problems. Larry Arnold, CPM/JAN, presented the award.



A 35-Year Length-of-Service Award was presented to Frank L. Ramsey, Kansas, OK. Pictured left to right: Mike Teague, DAPM; Mr. Ramsey; and Don Devore, MIC/Tulsa.

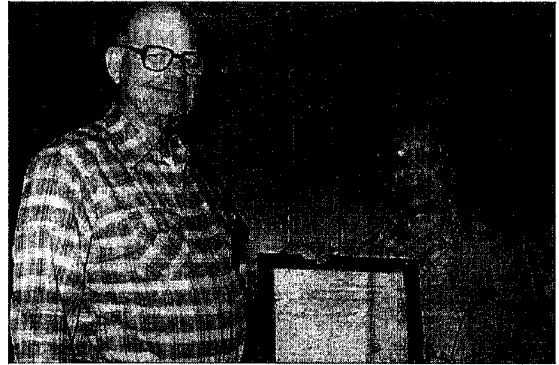
SOUTHERN REGION



Miss Frances Howard and Mrs. Marion Walker, observers, Candelaria, TX, received a 45-Year Length-of-Service Award. The sisters admit to being in their eighties but are still very active in their home in Marfa, TX. They did an excellent job of keeping the weather records. The presentation was made by Chuck Megee, CPM/Lubbock and Larry Toombs, DAPM/Lubbock.



A 45-Year Length-of-Service Award was presented to Arthur W. Morgan, observer, Borger, TX. Mr. Morgan received the Thomas Jefferson Award in 1991 and the John Campanius Holm Award in 1973. Jose Garcia, MIC/Amarillo (left), presented the award with the assistance of Bill Beams, DAPM, Amarillo, TX.



Helen Kershaw (right), of rural Perryton, TX, accepted a Special Service Award from the National Weather Service's Cooperative Program Manager Chuck Megee (left). The award recognized 25 years of weather observing, record-keeping, and reporting by Mrs. Kershaw and her late husband, J.H. (Harold) Kershaw.

The NWS provides and services equipment and the weather observers record daily high and low temperatures and the amount of any precipitation received.

Mrs. Kershaw assisted her husband in keeping the records for the past 25 years at their farm home near Perryton, but the couple have been unofficial weather watchers over 60 years.

"Harold was always interested in the weather, even back when we were first married 62 years ago," she said. She has continued keeping daily weather records since her husband's death in March of this year.

THANKS FOR THE REPLY!

Over half of you returned the questionnaire asking if you wished to continue receiving the CD and/or the HPD publications. Of those who responded, about one-third indicated that they only wanted to receive the annual publication. Fifteen percent wanted to discontinue receiving all publications.

Thanks again for helping us reduce waste and make more efficient use of your tax dollars!

WESTERN REGION



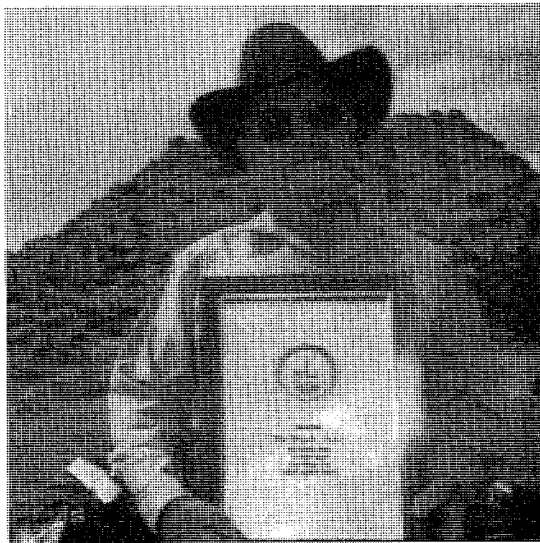
✓ Pat King (right), Anvil Ranch, AZ, accepted a 45-Year Length-of-Service Award on behalf of her family at a ceremony attended by Dr. Thomas Potter, National Weather Service Western Region Director; Tony Hafer, Area Manager for Arizona; and Irv Haynes, CPM for Arizona (at left in photo). Pat's son currently takes the weather observations. Many movies and commercials have been filmed on the Anvil Ranch, 40 miles southwest of Tucson.



✓ Fred French, Bowie, AZ, accepted a 25-Year Length-of-Service Award on behalf of his family. Shown in the background of the photo are part of Mr. French's collection of over 450 beer glasses.



✓ Judy Beulke, Bouse, AZ, received a 20-Year Length-of-Service Award.



✓ William Winkler, Rucker Canyon, AZ, accepted a 45-Year Length-of-Service Award for the Winkler family. Mr. Winkler is a rancher in the remote Chiricahua Mountains of southeastern Arizona.



✓ Richard Caldwell, Nogales 6 N, AZ, received a Special Service Award. Richard is an operator at the International Waste Water Treatment Plant 6 miles north of the Mexican border. Heavy rain with thunderstorms are common in the area during the summer months, with high potential for flash floods.

WESTERN REGION

* * 100th ANNIVERSARY * *



✓ The Helix Water District, La Mesa, CA, was presented a Centennial Award at a meeting of the Board of Directors. William T. Verbeck (right) accepted the award from Diana Van Cor, Service Hydrologist, WSFO Los Angeles/Oxnard. The Helix Water District has a distinguished continuous record of weather observations for 107 years.



✓ The Redlands Daily Facts Newspaper, Redlands, CA, received a Centennial Award for more than a century of weather record keeping for the City of Redlands. Pictured (left to right) Diana Van Cor; Frank Moore, retired editor; Betty Tyler, copy editor and current weather observer; Dorothy Arthur, whose father Cecil (now deceased) was a long-time weather observer and columnist; and Toebe Bush, the Redlands Daily Facts publisher.



✓ The City of Independence, CA, received a Centennial Award for continuous weather data collecting. The award was presented during a meeting of the Inyo (CA) County Board of Supervisors. There have been eight observers over the 100-year span, but the Los Angeles Department of Water and Power has collected the weather data since 1946. Ron Taylor (right), Hydrographer for the Department, accepted the award presented by the NWS representative, Diana Van Cor. The other member of the NWS team, CPM Gene Van Cor, explained to the Board the significance of the award and the purpose of the visit. The presentation served dual purposes of giving recognition for a great record of weather data collecting and letting the NWS team meet the people who currently supply the data.



✓ Archie Leach (center), Campo, CA, received the Helmut E. Landsberg Award for 60 years of devoted service by both Mr. Leach and his late wife, Gwen. Behind Mr. Leach in the photo is his daughter, Arvilla Johnson. Jerry O. McDuffie (left), NWS Area Manager, Los Angeles/Oxnard, made the presentation, assisted by Wilbur Shigehara (right), MIC, WSO San Diego. Mr. Leach, 90-years old, gave interviews for the media and thoroughly enjoyed the festivities. Gene Van Cor took the photo.

WESTERN REGION



✓ The City of Laguna Beach (CA) Sewage Disposal Plant, received a 50-Year Institutional Award. Lloy Thompson (right), plant supervisor, accepted the award from Jerry O. McDuffie. Also shown (from left to right) are plant employees Adam Rogers; Harold Smith; Steve Walker; Doug Hellman; and Graham Wright.



✓ Nikki Griffin (left), current observer, and Augie Devaurs, recently retired employee and observer, accepted an Institutional Award presented to the California Department of Water Resources, San Luis Field Division, for 25 years of weather observations at the San Luis Dam. The San Luis Dam and Reservoir is a major component of the Central Valley Project.



✓ Santa Barbara County (CA) Fire Station #32, Santa Ynez, received a 25-Year Institutional Award. Diana Van Cor (center) presented the award on behalf of the NWS to fire fighters (left to right): Mike Manning; Glen Lehman; and Tony Mercato. At right is MIC Peter Felsch, WSO Santa Maria.

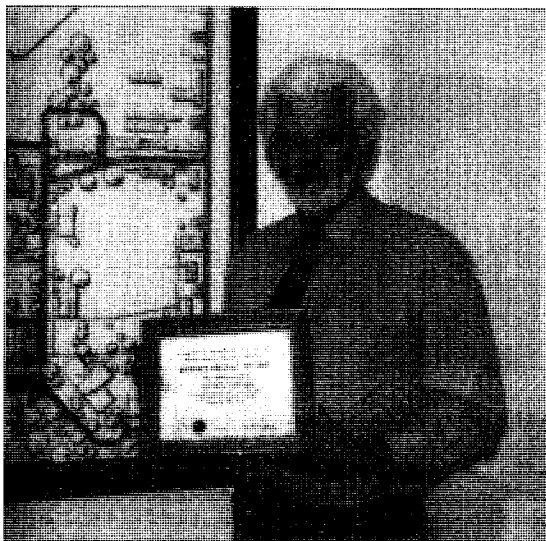


✓ The Yuba County (CA) Water Agency received a 25-Year Institutional Award for their weather station, Colgate PH. Nancy Jones accepted the award for the Yuba County Water Agency.



✓ Bill and Margaret Tindall, Grasmere 3 S, ID, received a 30-Year Length-of-Service Award.

WESTERN REGION



✓ St. Anthony 1 WNW, ID, at the Idaho State Youth Training Center, was presented a 25-Year Institutional Award. Dick Marler, head of security, accepted the award for the Training Center. Dick and some of the boys and girls at the Center take the daily observations.



✓ Joseph Von Stein, (right), Cascade 5 S, MT, accepted the John Campanius Holm Award presented to his wife, Patricia, and himself in recognition of their extraordinary care and effort in providing weather data to the NWS for over 20 years. CPM George Cline (left) presented the award in a ceremony at the forecast office in Great Falls.



✓ Robert Whittle, Oakley, ID, received a 20-Year Length-of-Service Award. Bob, retired from the Idaho State Department of Agriculture, still raises grain and hay. He enjoys taking weather observations and considers that his hobby.

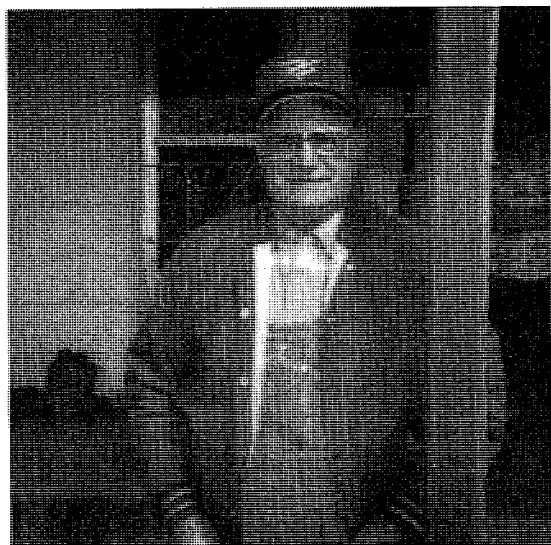
Joe and Pat have kept a careful records, in addition to, keeping NWS personnel at Great Falls informed of any significant or threatening weather conditions as they occur. This is very important to a forecaster trying to get a handle on Montana's fast-changing weather.

When Pat and Joe took over the weather station in 1971, they were continuing a tradition dating back to 1882. That's when Pat's great-grandfather moved to the area and began recording weather information. Pat's father, Edwin E. James, received the Holm award in 1962.

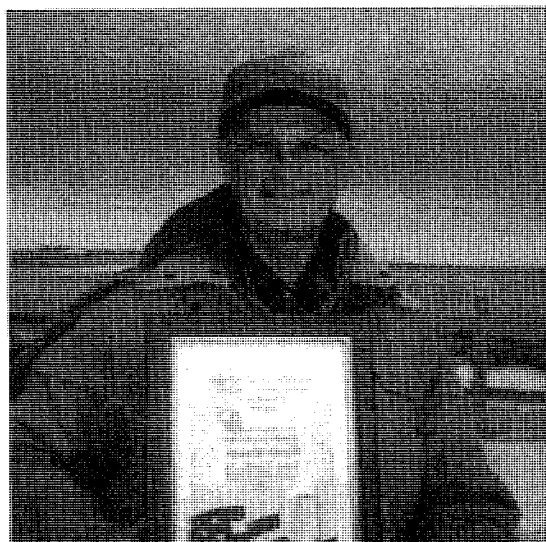
SOMETHING NEW

NCDC has been working hard to upgrade its publishing facilities. Beginning with this issue, you will start to see the changes, as we move from cutting and pasting method of creating this publication to producing it using computers. If you have comments on the format, please let us know.

WESTERN REGION



✓ Frank Cimrhakl, Roy 8 NE, MT, achieved 55 years as a volunteer weather observer. He has received the highest awards the National Weather Service bestows for excellence: the John Campanius Holm and the Thomas Jefferson.



✓ Edmund Somerfeld, Power 6 SE, MT, received a 40-Year Length-of-Service Award. He also received a Letter of Commendation from Dr. Elbert Friday, the Director of the National Weather Service. Mr. Somerfeld farms in northern Cascade County, MT.



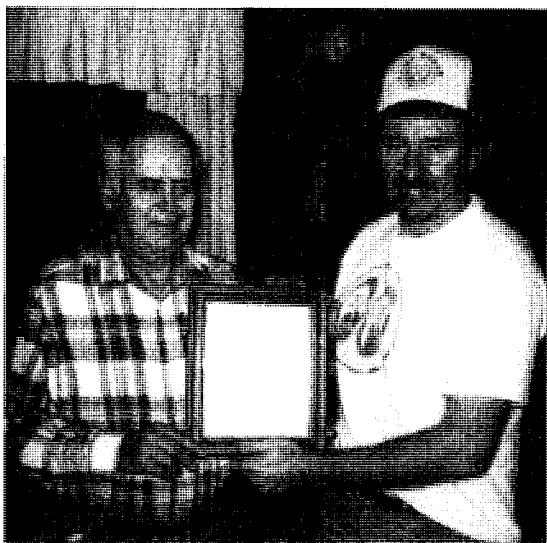
✓ George Luebke (right), Froid, MT, was recognized by the National Weather Service for 55 years of service. George Cline (left), CPM, WSFO Great Falls, MT, conveyed the congratulations and thanks of the NWS.

✓ The Kalsta Family (no picture), Glen 4 N, MT, was presented an award recognizing 35-Years of Length-of-Service Award for volunteer service to the National Weather Service. Thelma Kalsta, her son Gunnar, and his children have all helped to maintain both a climatological weather station and a river level gaging station at their ranch since 1958.

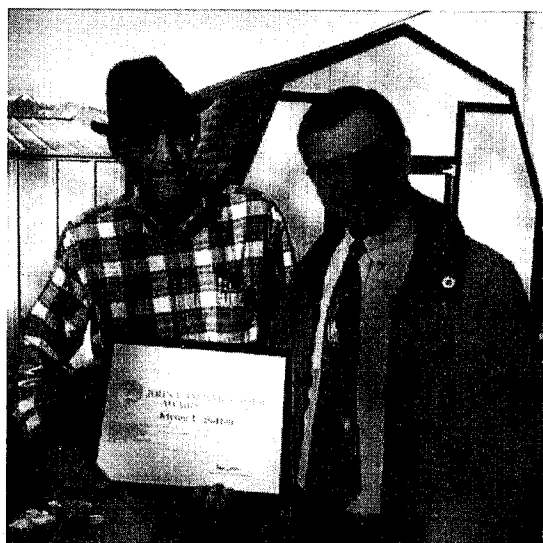


✓ Charles and Grace Meyers, Judith Gap 13 3, MT, were presented a 30-Year Length-of-Service Award. The Meyers maintain a daily record of high and low temperatures and precipitation at their family ranch.

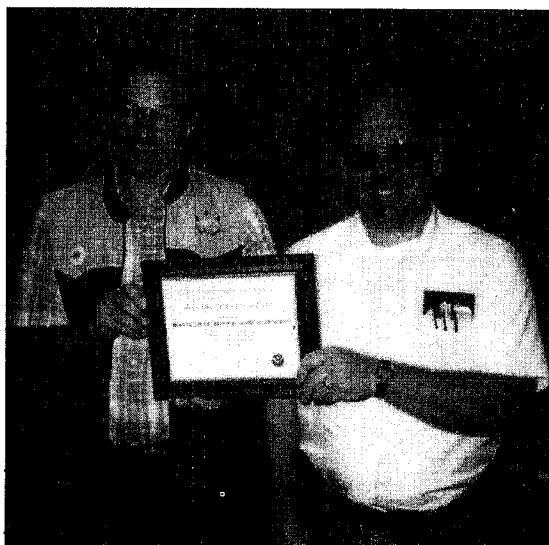
WESTERN REGION



✓ Kenneth Taylor, Idleyld Park 4 NE, OR, received a 35-Year Length-of-Service Award. The award was presented by CPM Clint Jenson and Douglas County (OR) Water Resources Hydrologist Joe Cooper. Mr. Taylor also provides weather data to the Douglas County watermaster's office. Shown are Mr. Taylor (left) and Mr. Cooper (right).



✓ Myron L. Sutton, (left), Grantsville, UT, received the John Campanius Holm Award presented on behalf of the NWS by Bill Alder (right), Area Manager for Utah. Mr. Sutton has been the observer at Grantsville and also at the Morton Salt Company, near the Great Salt Lake, since 1959.



✓ Bonneville Power Administration, Malin 5 E, OR, received a Certificate marking 25 Year of Service. Shown (left to right) are: Leo Baker, power communications engineer, and Ken Bush, chief substation operator. The Malin substation is located on the Oregon-California border near Klamath Falls, OR.



✓ Dena K. Lamb (right), observer, received a 35-Year Length-of-Service Award. The award was presented by Bill Alder (left), NWS Area Manager for Utah. Mrs. Lamb is well known in northern Utah for her community and civic services.

WESTERN REGION



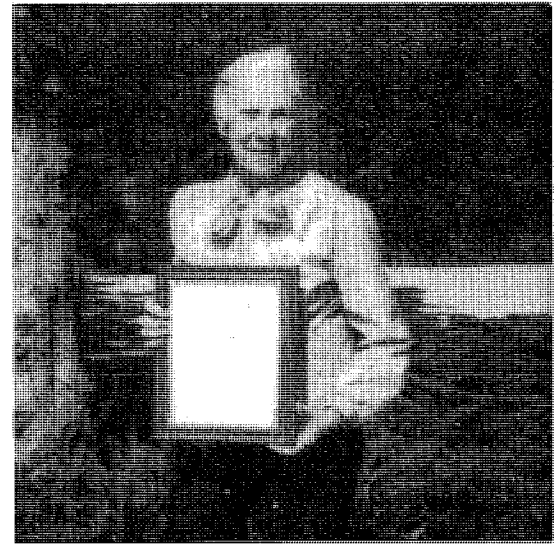
✓ Larry Stahley (left), observer, and Gary Neighbor, supervisor, accepted a 25-Year Institutional Length-of-Service Award to Utah Power and Light Company for observations taken at Beaver Canyon Powerhouse. The powerhouse is one of several small hydroelectric plants in Utah using canyon streams to generate electricity.



✓ Carl Evans, observer, Summit, UT, received a 20-Year Length-of-Service Award. Carl also runs a silver iodide generator for ongoing cloud seeding in this southwestern Utah town.

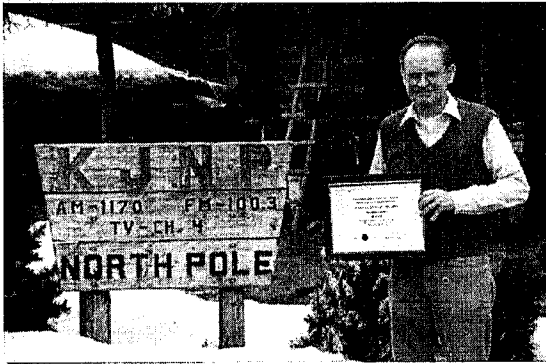


✓ Farmington, Utah State University (USU) Field Station, received a 25-Year Institutional Award. Craig Thompson (left) accepted the award presented by Bill Alder (right). The USU Field Station does agronomy research and has a considerable assortment of plants native to Utah.

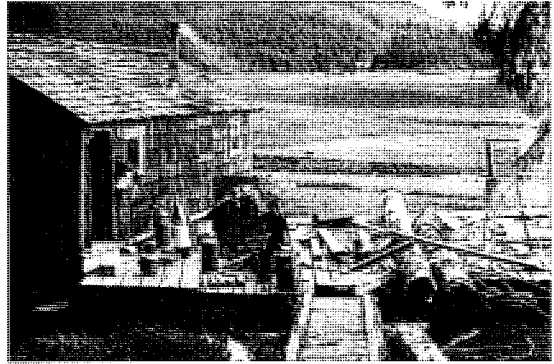


✓ Jean Moore, Plain, WA, received a 25-Year Length-of-Service Award. Mrs. Moore and her husband grow outstanding flowers and vegetables. Mrs. Moore often does the flower arrangements for local weddings.

ALASKA REGION



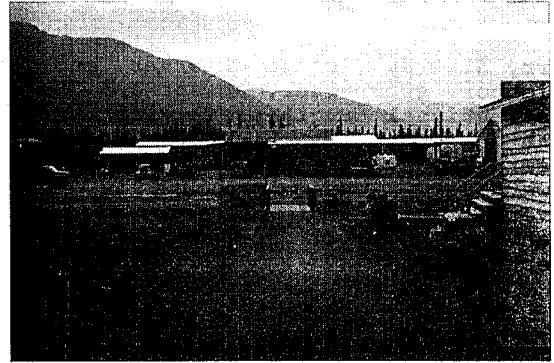
Roger Skold, general manager, KJNP North Pole, Alaska, accepted a 25-Year Institutional Award in April 1994. Award was presented by George Cebula, RCPM.



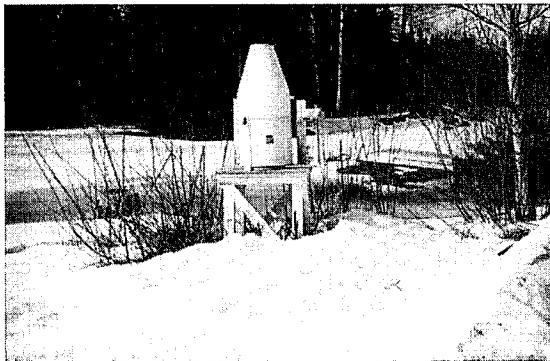
The coop station at Hollis in southeast Alaska, located at the home of Cathy Starkweather. The station moves up and down with the tide.



The coop station at Coldfoot on the Dalton Highway. Jan Tracker, observer, watches Larry Rundquist, Hydrologist ARFC, and David Streubel, Hydrostudent trainee install a 6-foot snow stake. The view is looking north from the station.



The Coldfoot coop station is located on the southern slope of the Brooks Range about 175 miles north of Fairbanks. Coldfoot is one of the coldest places in Alaska. The view is looking west from the station.



The Fischer-Porter gage at Willow Creek, in late April. The gage is about 75 miles north of Anchorage on the Parks Highway.



Spring time (late April) at Cantwell 2 E, just south of Denali National Park. The snow is usually gone by Memorial Day.

PACIFIC REGION

* * 100th ANNIVERSARY * *



A 100-Year Institutional Service Award for cooperative station **Honohina** was presented to the **Mauna Kea Agribusiness Company**. Employees who received the honors on behalf of the company are: **John Cross** (Agriculture Superintendent) and **Gabriel Leite** (General Agriculture Crew Chief). With the eventual shutdown of the sugar company, station **Honohina** was closed on January 14, 1994.



Robert White, observer, **Tantalus 2**, Oahu, holds a **30-Year Length-of-Service Award** presented to him by **Ray Terada**. Famed **Diamond Head** is on the left and beautiful downtown Honolulu is to the right.



Hisami Higa and **Joe Sylvester** of **Kekaha Sugar Company** received a **25-Year Length-of-Service Award** for **Waimea**, an AB station on the island of **Kauai**.

PACIFIC REGION



A **Special Service Award** was presented to **Helen Cebellos** by **Ray Terada, CPM/HNL**. Helen retired from **Kekaha Sugar Company** on the island of **Kauai** where she served many years making sure the weather data were submitted on time.



This helicopter is used to get to remote rainfall and stream gages on **Kauai**. **CPM Ray Terada** joined **USGS** personnel **Roy Taogoshi** and **Creighton Yoshida** on their maintenance/inspection trip. Unfortunately, because the clouds moved in, **Mt. Waialeale** (see the note below) could not be visited that day.



Roy Taogoshi, U.S. Geological Survey, inspecting a **Waialeale stream gage** in the mountains of **Kauai**.

SOME INTERESTING FACTS

The warmest winters in the U.S. are at **Honolulu, Hawaii**. The hottest summers are in **Death Valley, California**. While the coldest summers in the U.S. are at **Barrow, Alaska**. The coldest winters in the U.S. are at **Barter Island, Alaska**. The location with the most rapid temperature fluctuations is **Rapid City, South Dakota**.

The wettest place in the U.S. and the world is **Mt. Waialeale, Kauai, Hawaii**. The driest place in the U.S. is **Death Valley, California**.

The windiest place is **Mt. Washington, New Hampshire**.

From: *Weather Extremes Around the World, 1984*

CENTRAL REGION



Suzanne Platt, observer, Kim 15 NNE, CO, was presented a 15-Year Length-of-Service Award by Mike Elias, CPM-Goodland, KS.



Michael D. Snearly, supervisor at the Fairbury, IL, Water Treatment Plant, is shown with his 15-Year Length-of-Service Certificate received from Bill Nelson.



Louise Vance, observer, Eckley, CO, was presented a 10-Year Length-of-Service Award by Mike Elias.



Louis C. Dolmon, Crystal Lake, IL, senior chemist at Morton Thiokol, received a 10-Year Length-of-Service Award from Bill Nelson.



Dick Bradley, observer, Prophetstown, IL, received his 20-Year Certificate during a noon Lions Club Meeting. Bill Nelson gave a presentation on modernization and its affect on the local area.

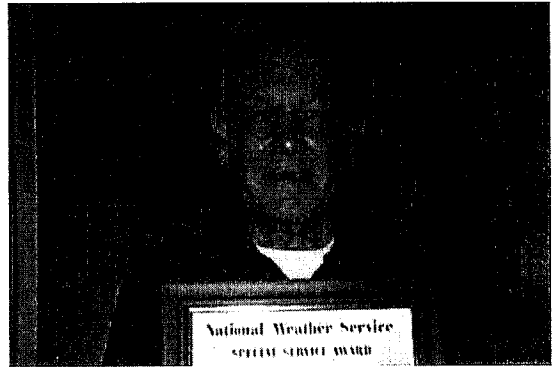


Cecil English, Marietta, IL, accepted a 10-Year Length-of-Service Award for his wife, Betty, while she was in Wisconsin for the birth of their 19th grandchild.

CENTRAL REGION



Richard L. Leenarts, manager of the Golden Elevator in Golden, IL, was presented a 10-Year Length-of-Service Award by Bill Nelson.



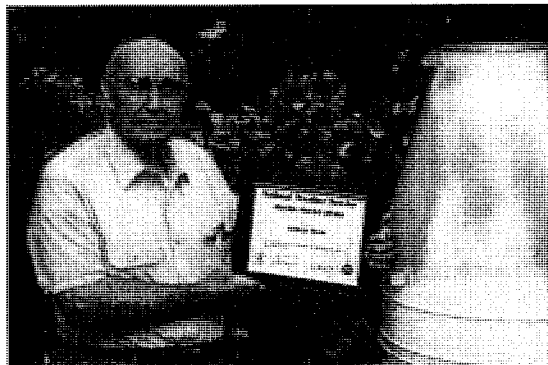
August T. Rosenberg, observer for 26 years in Washington, IL, was presented a Special Service Award by Bill Nelson, Illinois CPM.



The Brown family of Keithsburg, IL, were presented two Awards - Duke and Judy, left and center, were presented a Special Service Award. Their son, Charles, right, was presented a 10-Year Length-of-Service Award.



Bill Mantle, observer, Washington, IL, is shown with a Fischer-Porter gage. He assumed the duties from August T. Rosenberg.



Leon R. Moss, Belvidere, IL, was presented a Special Service Award by Bill Nelson. Leon began as an observer for the NWS in 1971.

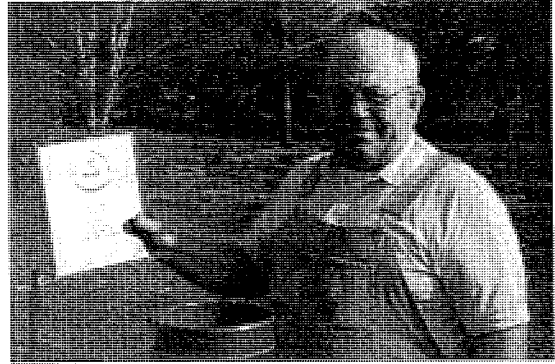


Steve Steinke, observer, Belvidere, IL, is shown with a Fischer-Porter gage. He assumed the observer duties from Leon. R. Moss. Steve is the Director of the Assoc. of American Weather Observers and Editor of American Observer Newspaper.

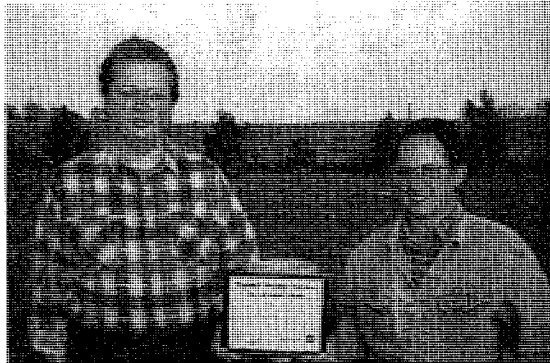
CENTRAL REGION



Lebanon, IN Utilities received a **25-Year Institutional Award** from John T. Curran, AM/WSFO Indianapolis. Pictured are: observer **Buster Bowman** (right), superintendents **Bob Waples** of Water Division and **Jim Nelson** of Utilities.



Bob Zimmerman, observer, **Onawa, IA**, received a **20-Year Length-of-Service Award** from CPM **Randall Settje** on behalf of the NWS.



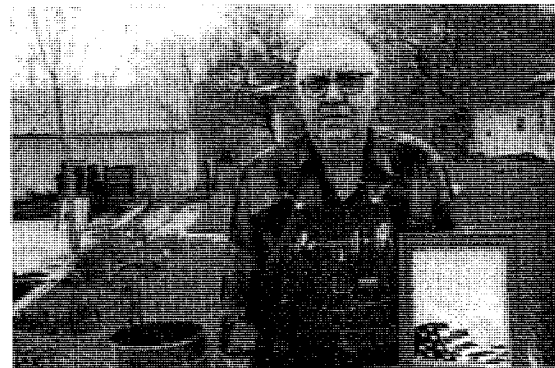
Lowell, IN Wastewater Treatment Plant was presented a **25-Year Institutional Award** by **Roger Kenyon**, CPM/IN. Pictured are **Joe Pancini**, plant superintendent, and assistant **Dave Williams**.



Helen Van Asselt, **Irwin, IA**, retired as an observer, after 17 years, due to health reasons.



A **10-Year Length-of-Service Award** for **Pam Petering**, **Freelandville, IN**, was presented by **Albert Shipe**, SH/IN. Pam's granddaughter is in center. (Husband **Don** who shares cooperative duties.)



Lyle Sienknecht, observer, **Clutier, IA**, was presented a **10-Year Length-of-Service Award** by **Bill Newman**, CPM/DSM.

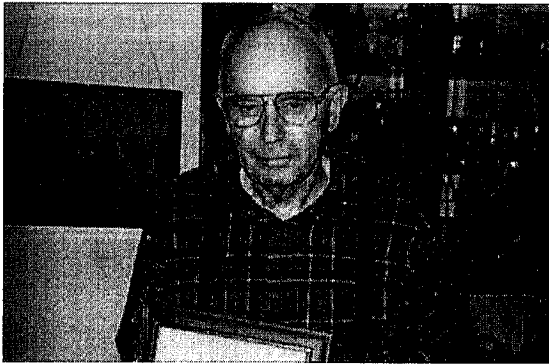
CENTRAL REGION



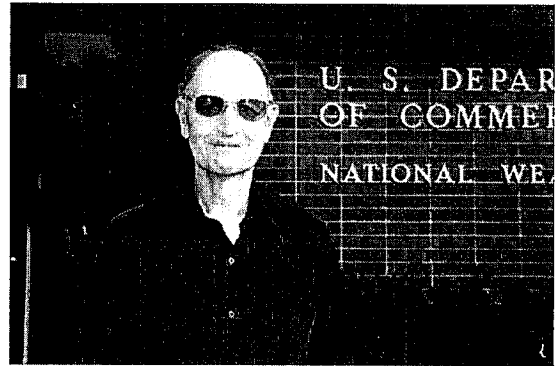
Theodore J. Julian, observer, Big Bow 4 WSW, KS, received a 50-Year Length-of-Service Award from Mike Elias, CPM/GLD. The "shadow box" award contains all of Ted's pins (from 10 to 50 years).



Edwin Boots, observer, Kalvesta 12 NW, KS, was presented a 35-Year Length-of-Service Award by Mike Elias.



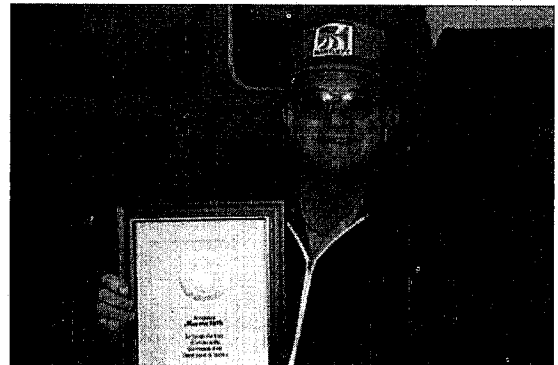
Ray Cudney, Trousdale 1 NE, KS, was presented a 45-Year Length-of-Service Award by Mike Elias.



David Perry, Oskaloosa, KS, was given a 35-Year Length-of-Service Pin and Plaque and had his picture taken later at a storm spotters open house at the National Weather Service Office in Topeka, KS.



J. Hayes Baldwin's daughter (Cathy) and son (Bruce) accepted a 35-Year Length-of-Service Award for their father from Mike Elias. Station: Kalvesta 1 W, KS.



Marvin Orth, observer, St. Francis 8 NW, KS, received a 25-Year Length-of-Service Award from Mike Elias.

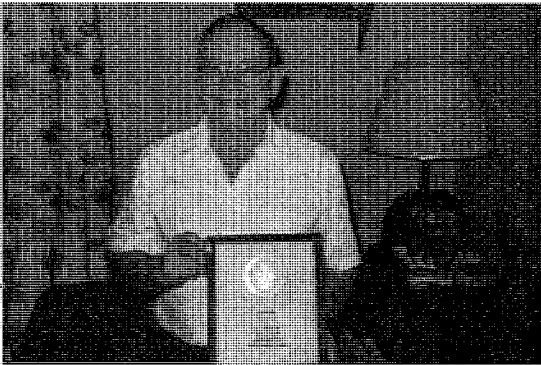
CENTRAL REGION



Glen Rutherford, observer, Conway Springs, KS, was presented a 25-Year Length-of-Service Award by Greg Painter, CPM/TOPEKA.



James Davis, observer, Attica 6 WNW, KS, from the Oleo Ranch (The Cheaper Spread) received a 20-Year Length-of-Service Award from Greg Painter.



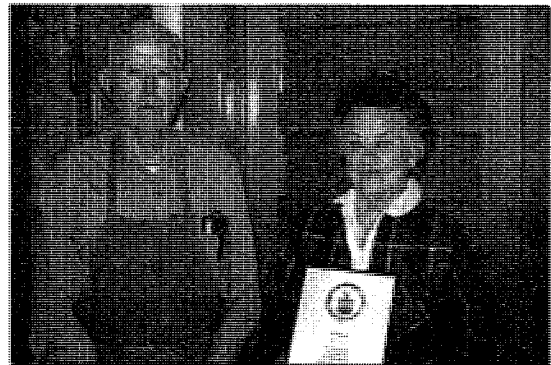
Daniel Cheatum, observer, Kingman, KS, was presented a 20-Year Length-of-Service Award by Greg Painter.



Wilfred Dreiling, observer, St. Peter 4 ENE, KS, was presented a 20-Year Length-of-Service Award by Mike Elias.



Carl Curtis, observer, Bluff City, KS, was presented a 20-Year Length-of-Service Award by Greg Painter.



Genevieve Eshnaur (pictured with her husband), Norwich, KS, was presented a 20-Year Length-of-Service Award by Greg Painter.

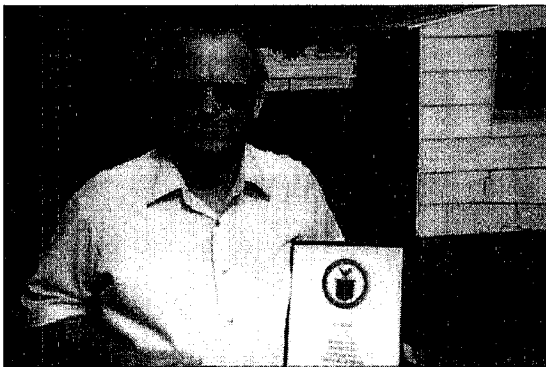
CENTRAL REGION



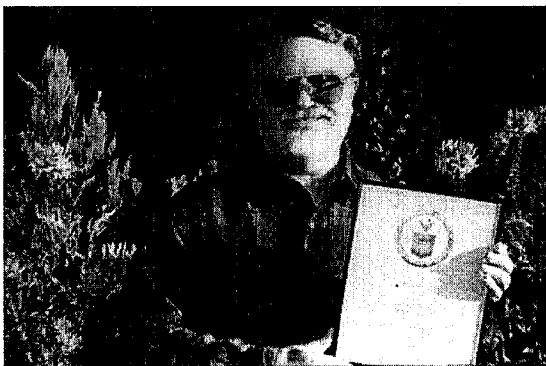
Jack Kersting, observer, Offerle 5 S, KS, was presented a 20-Year Length-of-Service Award by Mike Elias.



Alan N. Winkler, observer, McFarland, KS, received a 20-Year Length-of-Service Award and Pin. For extra reports during the summer 1993 flood, he received congratulations from MIC Curt Holderbach, Topeka, Flood Warning.



John Tucker, observer, Oswego, 1 N, KS, was presented his 20-Year Length-of-Service Award by Greg Painter.



Brother Anthony Vorwerk, observer, Atchison, KS, was presented a 20-Year Length-of-Service Award by Greg Painter.

A JOB WELL DONE

During the early morning hours of July 25, 1993 Mr. Winkler provided two very timely rainfall reports to the Forecast Office in Topeka, KS. This report of 4.87" at 3:30 AM alerted the office to the likelihood that serious flooding would develop along Mill Creek.

The NWS Forecast Office issued a flood warning around 4 AM for Mill Creek based on the rainfall reports provided by Mr. Winkler, in addition to our Doppler radar indication of excessive rain over the basin. NWS forecasted a crest of 29 to 30 feet by noon (flood stage is 19 feet), which would cause serious flooding along Mill Creek, including the campground near Paxico.

The actual crest at Paxico was 29.15 feet between 9 and 10 AM that morning. The very good lead time of the warning allowed the 12 campers at the campground to be safely evacuated well in advance of the dangerous flooding.

Congratulations on a job well done!

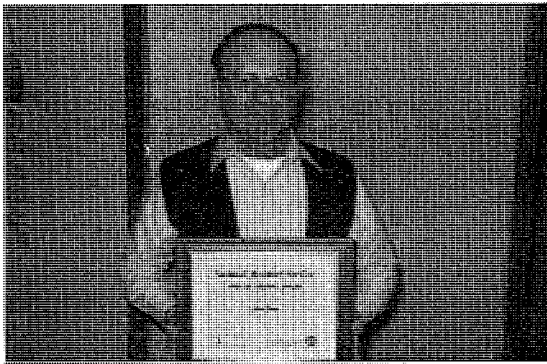
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Eddie Ewy, observer, Arlington, KS, accepted a 15-Year Length-of-Service Award with his granddaughter Megan, also pictured.



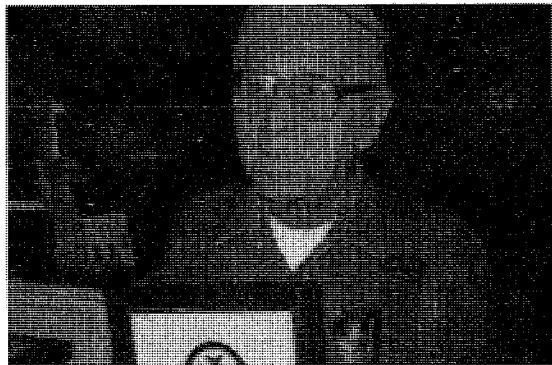
Noble Allen, observer, Scottsville, KY, was presented the John Campanius Holm Award. Making the presentation (left to right): Mike Callahan, Service Hydrologist, KY; Marvin Maddox, MIC WSFO, Louisville, KY; Noble Allen; and Peter Tellez, CPM, Louisville, KY.



Glen Fogo, observer, Leoti 1 W, KS, received a 15-Year Length-of-Service Award from Mike Elias.



Stanley Gardner, observer, Salyersville, KY, received a 40-Year Length-of-Service Award from Peter Tellez.



Ralph Miller, observer, Liberal, KS, received a 15-Year Length-of-Service Award from Mike Elias.



Aita Gooslin, observer, Freeburn, KY, was presented a 30-Year Length-of-Service Award by Peter Tellez.

CENTRAL REGION



John E. Scott, observer, Murray, KY, received a 30-Year Length-of-Service Award and Service Pin from Peter Tellez.



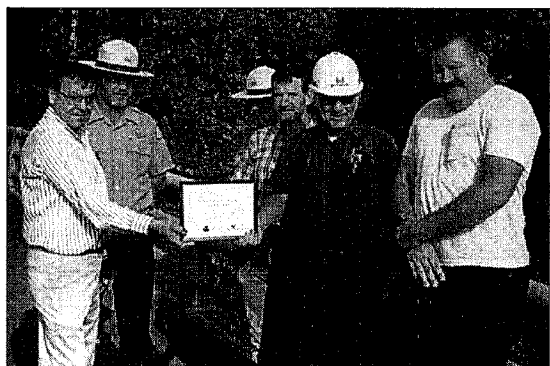
A 25-Year Institutional Award was presented to Quicksand, KY, by Peter Tellez (left). The Award accepted by Mason Morrison (center), in charge of Robinson Agr. Experiment Station. Thomas Addington (right), OIC Jackson, KY.



Observers Gavlan Wilson (left) and Gary Clemons (right), were presented a Special Service Award for 30-years of service at the Ashland Water Plant, Ashland, KY.



A 20-Year Length-of-Service Award and Pin were presented to Mrs. Roberts (widow) and her son Jennings Roberts, for Asher Roberts (deceased), Oneida, KY. Presentation made by Peter Tellez.

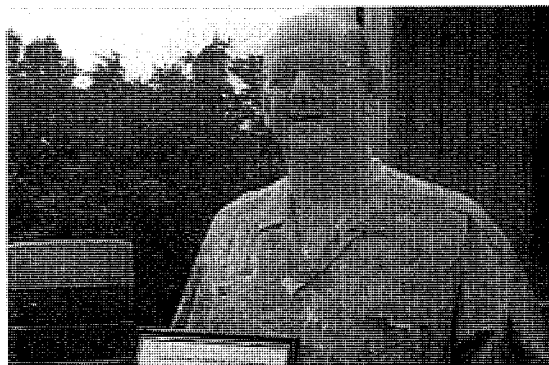


A 25-Year Institutional Award was presented to The Corps of Engineers, rangers and employees at Nolin River Lake, KY. Presentation was made by Peter Tellez.

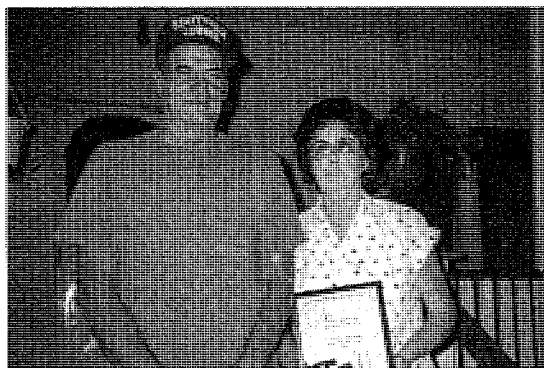


Joe Ed Moore, observer, Virgie, KY, received a 15-Year Special Service Award and Service Pin from Peter Tellez.

CENTRAL REGION



Thomas Westfall, observer, Ivel, KY, received a 15-Year Special Length-of-Service Award and Service Pin from Peter Tellez.



Wanda Ross, observer, Heidelberg, KY, was presented a 10-Year Length-of-Service Award by Peter Tellez. Also pictured is her husband Bill Ross.



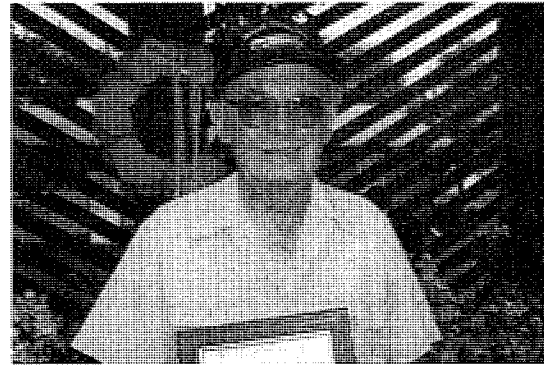
Edith Caudill, observer, Jeremiah, KY, received a 10-Year Length-of-Service Award and Service Pin from Peter Tellez.



Darold L. Snortum, observer, was presented a 45-Year Award Certificate to recognize his efforts as the observer for the community of Canby, MN, in the southwest portion of the state. Darold's son is the observer in the neighboring community of Granite Falls.



Ivan Chamberlain, observer, Sebree, KY, received a 10-Year Length-of-Service Award and Pin from Peter Tellez.



Keith W. Duffield was presented a 20-Year Certificate to recognize his efforts as the observer at Browns Valley, MN.

CENTRAL REGION



Phyllis Wikert was presented a 20-Year Certificate to recognize her efforts at collecting weather data for Thorhult, MN. Thorhult is an area that borders the western shore of Red Lake, MN.



R. Bud Mashek, observer, Advance, MO, received a 20-Year Length-of-Service Award. A good observer and avid golfer; Bud made midwest golf news by playing 4127 holes in a 6-month period ... generally shoots in the upper 70s.



Timothy J. Matteisen was presented a 10-Year Certificate to recognize his efforts as the observer of the community of Benson, MN.



Arthur F. Denkmann Jr. (left), observer St. Louis, MO, was presented a 10-Year Length-of-Service Award by Jack Burns, Service Hydrologist.



Mark Stromsodt, observer, Thief River Falls, MN, accepted a 10-Year Length-of-Service Award to recognize his effort as a weather observer at radio station KTRF. Mark is the program director at the radio station.

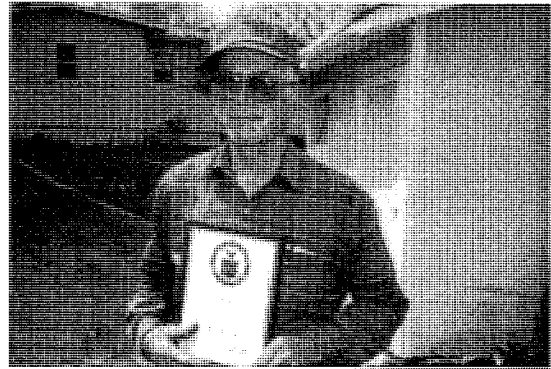


Arthur L. Jones, observer, Brunswick, MO, was presented a 10-Year Length-of-Service Award.

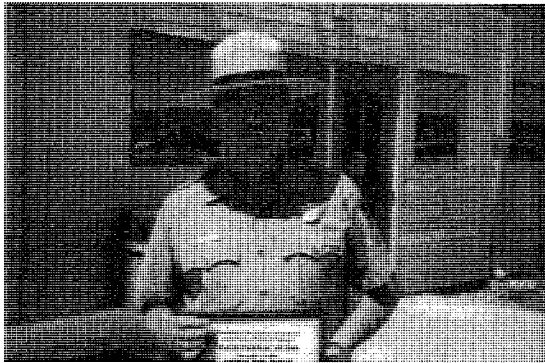
CENTRAL REGION



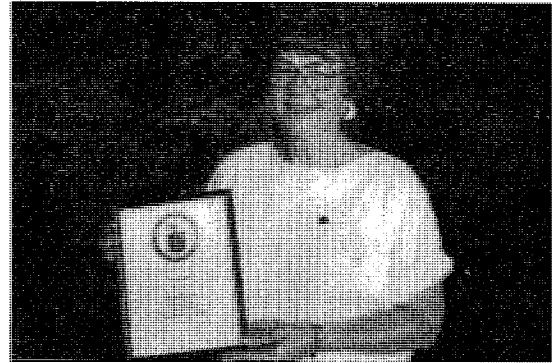
Helen Swindler, observer, Downing, MO, was presented a 10-Year Length-of-Service Award. Helen reported a total of 19.45 inches of rain in July...incredible.



Pictured is **Alfred Bolte, observer, Bowman, ND,** with his recent 20-Year Length-of-Service Award. Picture and presentation by Vern Roller.



John Rapier, observer, Agate 3 E, NE, was presented a 25-Year Institutional Award by Mike Elias.



Pictured is **Jackie Brown, observer, Colgate, ND,** with her recent 20-Year Length-of-Service Award and Pin. Presentation by Vern Roller.



Jake and Mary Ann Barnhardt (pictured center), river observers on the Heart River at Mandan 3 W, ND, received a 20-Year Length-of-Service Award from **Charlene Prindiville, Service Hydrologist** (right) and **Vern Roller, CPM WSFO Bismarck, NE,** (left). Picture by Jim Fors, DMIC, WSFO Bismarck, ND.

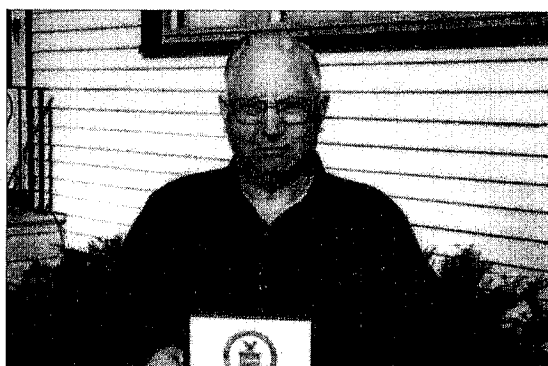


Roy Frederick, observer, Amidon, ND, recently received a 20-Year Length-of-Service Award. Roy takes daily readings of temperatures and precipitation at the Slope County Courthouse in Amidon. Picture and presentation by Vern Roller.

CENTRAL REGION



Daryl T. Heupel, observer, Pretty Rock, ND, was recently presented a 20-Year Length-of-Service Award. Daryl is assisted in daily temperature and precipitation observations by brothers Dennis and Doyle Heupel. Picture and presentation by Vern Roller.



Howard Quinlan, observer, La Moure, ND, is shown with his 10-Year Length-of-Service Award. Picture and presentation by Vern Roller.



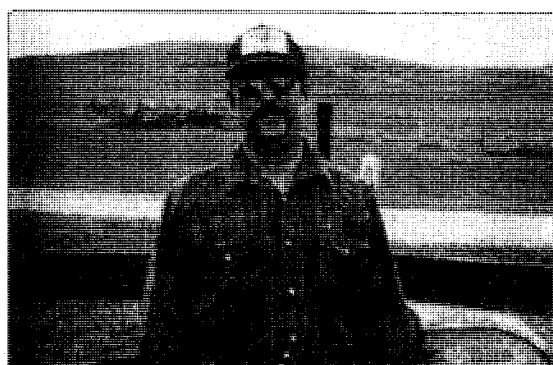
George Borgen, observer, Turtle Lake, ND, recently received a 10-Year Length-of-Service Award. Picture and presentation by Vern Roller.



Allen Schmidt, observer, New England, ND, recently received his 10-Year Length-of-Service Award from Vern Roller.



August Kramlich along with his sister Pauline are pictured with their 10-Year Length-of-Service Award. They are observers at Wishek, ND. Picture and presentation by Vern Roller.



Pat Thelander, observer, Oshkosh 10 NE, ND, was presented a 10-Year Length-of-Service Award by Mike Elias.

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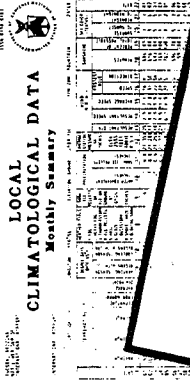
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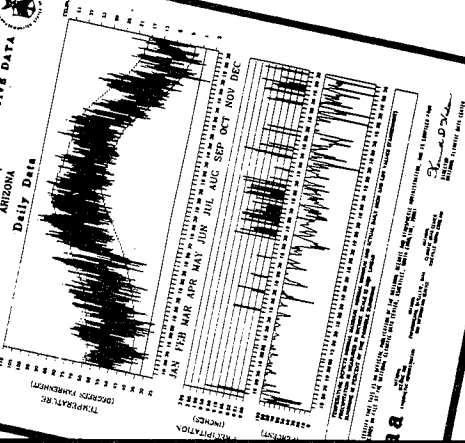
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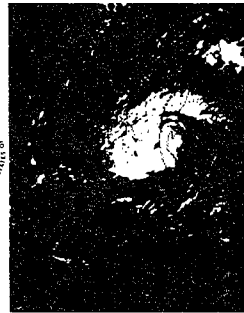
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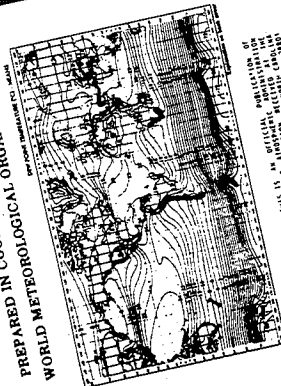
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