

The National

Cooperative

Observer



Fall 1999

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

Editor: Steve DelGreco

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 of the National Oceanic and Atmospheric Administration, an agency within the Department of Commerce. One of the responsibilities of the NWS is to take meteorological observations which are used to record the climate condition in the United States. The National Weather Service relies heavily on a vast network of cooperative observer volunteers to achieve this objective.

The NWS determines where observations are needed and furnishes standard metrological instruments to individuals who volunteer their time to take a record daily weather observations of the weather. Currently, there are about 8000 published volunteer observation 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 observations. These contributions to the climate record of the United States are invaluable.

The publications 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:

Graphic Support
National Climatic Data Center
151 Patton Avenue, Room 120
Asheville, NC 28801-5001

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.

NO SUBMISSIONS RECEIVED FROM THE ALASKA REGION

CONTENTS

	Page
Central Region	3
Eastern Region	13
Pacific Region	17
Southern Region	19
Western Region	24

COVER PHOTO

Shinichi Kaneshiro of Hilo, Hawaii was the recipient of the **JOHN CAMPANIUS HOLM AWARD**. In a special ceremony at the mayor's office, he had the distinction of having the Director of the National Weather Service, Jack Kelly (left) and Meteorologist in Charge, James Weyman, (right) from the Honolulu Forecast Office present to do the honors. Kaneshiro was honored for his superior dedication and continuous outstanding services to the National Weather Service cooperative network program. Recently retired from the State Department of Agriculture, he has been active in numerous community services and organizations involving the promotion of agriculture with the youths of the community. Kaneshiro has a long history of consistently accurate and timely observations. His character and dedication are exemplified by his attention to detail as reflected by the neatness and legibility of his recorded observations. His dedicated efforts to maintain a continuous observations during times of illness or absence has been duly noted.

CENTRAL REGION

THOMAS JEFFERSON AWARD



The **Thomas Jefferson Award** is presented to **Mayor Gerald Osborn** (center), from **Ainsworth, Nebraska**, on October 22nd, 1999. The award is presented by Dave Wert (right), Meteorologist in Charge, and Michael Power (left) Hydrometeorological Technician of the North Platte, Nebraska Weather Service Office. The ceremony was held at the community senior center in Ainsworth with 70 persons in attendance.

JOHN CAMPANIOUS HOLM AWARD



Mrs. Patsy Y. Fitch (center), observer for **Atlanta 2 WNW, Nebraska**, is presented the **John Campanious Holm Award**. The award was presented by Steven D. Schurr (right), Meteorologist in Charge with assistance from Marla K. Doxey, Data Acquisition Program Manager, both of the National Weather Service Forecast Office in Hastings. **Don Fitch** (left), also participated in the award ceremony along with a large gathering of family and friends.

CENTRAL REGION

JOHN CAMPANIOUS HOLM AWARDS



Recognizing 41 years of dedication, **Elsmere, Nebraska** resident **Lester Stufft** was a 1999 recipient of the **John Campanious Holm Award**. David Wert, Meteorologist in Charge of the North Platte Weather Service Office, presented the award during a ceremony on December 9th, in Ainsworth. Lester follows in the footsteps of his grandfather, who established the station in 1911 and his mother, **Ruby**, for whom the 70-year length of service **Stufft Award** is named. Three generations of Stuffts have provided weather data from the same site for 88 years. Pictured are; front row, Lester Stufft, daughter ShIELA Barager, son Garret Stufft, son Curt Stufft, back row, Hydrometeorological Technician Michael Power and Meteorologist in Charge David Wert.



Honoring more the 50 years of dedication, the 1999 **John Campanious Holm Award** was presented to the **City of Pickstown, SD**. Presenting the award was Sioux Falls, Meteorologist in Charge Greg Harmon. On hand to accept the award were the President of the Board of Trustees, City of Pickstown **Cindy Broyhill**, our own COOP Observer **Verlyn Baker**, and **Betty Kirwan**, widow of former COOP Observer **Duane Kirwan** who passed away in 1997. **Verlyn Baker** was also presented a **25 Year Length of Service Award** for his long standing service to the COOP program. Pictured (L-R) Greg Harmon, Betty Kirwan, Verlyn Baker and Cindy Broyhill.

CENTRAL REGION

JOHN CAMPANIOUS HOLM AWARD



Robert Gilg (left), **Newport, Nebraska** resident was presented the prestigious **John Campanious Holm Award** by Kathleen Butler, Data Acquisition Program Manager, for more than 36 years of dedicated weather observing. Also attending were **Mrs. Gilg**, the **Rock County Leader**, and Mary White ASA from the North Platte Weather Service Office. Mr. Gilg began taking observations when **Lenord Bendig**, the cooperative observer for **Newport** showed up at his door with all the weather equipment. Mr. Bendig told Bob that he was being transferred so he would have to take over the weather duties. Bob never hesitated and they began setting up the equipment while Mr. Bendig explained the program to him. Neither of them thought to call the weather service office and notify them, they just knew it was a job that needed done. Bob is very proud of the fact that in 36 years that he has been the observer for Newport he has only missed one day, due to a death in the family.

60 Year Service Award



Earl Lynch of **Rochelle 3E, Wyoming**, was presented the **Helmut Lansberg Award** for 60 years of service. Making the presentation was Mitchell Erickson, Cooperative Program Manager from Rapid City, South Dakota.

50 Year Institutional Award



George Wolf, Operations Manager for the **U. S. Army Corps of Engineers at Riverdale, ND**, accepts a **50 Year Institutional Award** from Sandra Wiche, Cooperative Program Manager, Bismark, ND.

CENTRAL REGION

Edward H. Stoll Award



The National Weather Service in Grand Junction, CO was honored to present Mr. Oscar R. Semadeni with the prestigious **50 year Stoll Award**. Mr. Semadeni has been taking precipitation and temperature measurements since August 31st, 1949, on his Utah farm across the border from Dove Creek, CO. In the attached picture are, from left to right: John Kyle, Data Acquisition Program Manager Oscar R. Semadeni, Stoll recipient and Robert Jacobson, Meteorologist In Charge

Edward H. Stoll Award



John Payne (center) received the **Edward H. Stoll Award** for 50 years of Cooperative Weather Observing in **Evansville, IN**. Presenting the award are Al Shipe, Senior Hydrologist, National Weather Service Indianapolis, IN, and Beverly Poole, Meteorologist in Charge, Paducah, KY.

Edward H. Stoll Award



Edward H. Stoll Award for 50 years of Cooperative Weather Services was presented to Mrs. Joy L. Cudney of Trousdaleine, Kansas, (right), Station: 14-8245-8. Presenter: Larry Noller, CMP/HMT NWFO DCC (left). Mrs. Cudney took over for the weather duties in 1995 when her husband, Ray, passed away after 45 years of recording weather.

Special Service Award



James Fraser, from the Weather Service Office in International Falls, stands in front of the **Embarrass Minnesota Weather Center** located near Cooperative Observer **Roland Fowler's** home. This Finnish community is sometimes referred to as "*The Little Icebox of the North*". This center was erected to house nearly 100 years of historical weather data, all focused on frigid temperatures in a area of northwest Minnesota where cold air "pools" and lows of minus 40 to minus 50 degrees are common in the winter.

CENTRAL REGION

Special Service Awards



Peter Kocher receives a certificate in recognition of 45 years of outstanding serve to the National Weather Service. Peter has been the cooperative weather observer for **Hague, ND**, since August 1954. Sandra Wiche, Cooperative Program Manager for the National Weather Service in Bismark delivered the award to Mr. Kocher at St. Alexius Hospital in Bismark where he was recovering from double knee replacement surgery.



Norden and Ruth Nutter of **Gibbon 3ENE, NE**, accepts a **35 Year Length of Service Award** from Larry Wirth, Hydro-meteorological Technician from Hastings, NE. Norden and Ruth provide the National Weather Service and local media with precipitation and river readings.

CENTRAL REGION



Mrs. Mildred E. Kloppenburg, observer, **Billings, MO** was accepts a **30 Year Length of Service Award** from Larry Dooley, Hydrometeorological Technician and Paul A. Murphy, Data Acquisition Program Manager from the National Weather Service Springfield, MO.



Jean M. Davis (left), observer for **Ebson 7N, KS**, accepts a **30 Year Length of Service Award**. Coleen Decker, (right) Hydrometeorological Technician, presented the award along with Maria K. Doxey, Data Acquisition Program Manager, from the Forecast Office at Hastings, NE.



For 30 years brothers **Don** (left) and **Clarence Seedorf** have kept a close watch on the weather on their farm near **Wentworth, SD**. Don is also a self styled poet and often includes a copy of his prose and commentary with the monthly report sent to the Weather Forecast Office in Sioux Falls, SD. The **30 Year Length of Service** award was presented by Meteorologist in Charge, Tim Masters.



Mr. Jame H. Molder, observer, **Powell, MO**, was accepts a **30 Year Length of Service Award** from Larry Dooley, Hydrometeorological Technician and Paul A. Murphy, Data Acquisition Program Manager, Springfield, MO.



Mr. Glenn D. O'Dell, observer, **Golden City, MO**, accepts a **30 Year Length of Service Award**, from Fred E. Hatch, Hydrometeorological Technician.



Mr. D. Leroy Chorum, observer, **Waco, MO**, is shown holding his **25 Year Length of Service Award** presented by Fred E. Hatch,

CENTRAL REGION



Don Liebert is honored with a **25 Year Length of Service Award** for service with the Cooperative Observation Program. Mr. Liebert is the observer in **Sargent, NE**. Fred McMullen, Meteorological Intern from the North Platte Forecast Office presented the award. Don is a retired postmaster from Sargent.



Mr. Cloyd Hoyt, McCook 4SW, NE, accepts a **25 Year Length of Service Award** from the National Weather Service Forecast Office in Goodland, KS.



Wilfred Dreiling, St. Peter, 4ENE KS, accepts a **25 Year Length of Service Award** from George Lucas, Data Acquisition Manager, National Weather Service Forecast Office Goodland, KS. Mr. Dreiling is standing in front a few of the several hundred toy tractors that make up his collection.



Wight Sims, Mingo 5E, KS, accepts a **20 Year Length of Service Award** from the National Weather Service Forecast Office in Goodland, KS. Mrs. Mingo is holding a weather records binder started by her husband's father who started recording observations in 1944.



Rose Wittwer, McCook, NE, accepts a **20 Year Length of Service Award** from the National Weather Service Forecast Office in Goodland, KS.



Judith Smith, cooperative weather observer for **Oshkosh, NE**, accepts a **20 Year Length of Service Award**. Judith is the postmistress in nearby Lewellen, NE. The award was presented by Dennis Phillips, Meteorological Intern from the North Platte Weather Office. Mrs. Smith began recording weather in 1979 replacing her father who was an observer for 35 years.

CENTRAL REGION



A **20 Year Length of Service Award** is accepted by **Jim Schnaigt, Menno, SD**. Data Acquisition Program Manager, Don Morin, and Hydrometeorological Technician, Don Miller, from the National Weather Service Forecast Office in Sioux Falls, presented the award.



Doyle Funk (right) of **Bowling Green, IN** accepts his **20 Year Length of Service Award**. Presenting the award is Phillip Gray, Hydrometeorological Technician from National Weather Service Forecast Office, Indianapolis, IN.



Ansel Ellis, observer for **Merriman, NE**, accepts a **20 Year Length of Service Award**. Ansel said, "It seems just like yesterday that I received my 15 year award".



Jim Newberry (left), accepts the second observer at **Cimarron, CO** a **20 Year Length of Service Award** on January 20th, 2000. His father, **Bill Newberry** (right), accepts a **35 Year Length of Service Award** on October 19, 1999. Becky Klenk from the National Weather Service Office in Grand Junction presented the award.



James Rempe, observer for **Oconto, NE**, accepts a **15 Year Length of Service Award**, from Fred McMullen, Meteorological Intern from the North Platte Weather Service Office.



Kathleen Selig (L) of **Alexandria 3S, NE**, accepts a **15 Year Length of Service Award** honoring her late husband, **Kenneth**. The award was presented by Marla K. Doxey, Data Acquisition Program Manager from Weather Service Forecast Office, Hastings.



Ben Pritchard, observer for **Pratt 4W Kansas**, (L) accepts a **15 Year Length of Service Award**, from Larry Ruthi (R), MIC, NWFO Dodge City, KS.

CENTRAL REGION



Roger Thelander of Mankato, KS, accepts a **10 Year Length of Service Award** from Hydro-meteorological Technician Coleen Decker from the Hasting's Forecast Office.



Deanna Brummett, observer in Stapleton, NE, accepts a **10 Year Length of Service Award** from Kathy Butler, Data Acquisition Program Manager, Weather Service Office, North Platte, NE.



John and Ann Tracy, observers at the Perry Creek River Gauge in Sioux City, IA received a **10 Year Length of Service Award** from Don Morin, Data Acquisition Program Manger.



Randall Tuttle, observer, Ewing, NE, accepts a **10 Year Length of Service Award** from Kathy Butler, Data Acquisition Program Manger, National Weather Service North Platte, NE.



Ms. Ruth E. Land, observer, Waynesville, MO, accepts a **10 Year Length of Service Award** from Paul A. Murphy, Data Acquisition Program Manager, Weather Service Office, Springfield, MO.



10 Year Length of Service Award presentation to **Mr. & Mrs. Elmer Musil** of Burdett 1NW, Kansas. Presenter: Larry Holler, CPM-HMT, NWFO Dodge City (right).



Ray Witthuhn (L), observer, **Bazine 13SSW, Kansas**, accepts a **10 Year Length of Service Award** from Larry Noller, (R) CPM/HMT NWFO Dodge City, Kansas.

CENTRAL REGION

LATE REPORTS



Mr. Harvey Rogers, precipitation observer at **Downs, KS** accepts a **30 Year Length of Service Award** from **Maria K. Doxey**, Data Acquisition Manager at Weather Forecast Office Hastings, NE.



Herber Arnold of **Ashley ND** accepts his **25 Year Length of Service Award** on February 16th, 2000. The award was presented by **Sandra Wiche**, Cooperative Program Manager, Bismark, ND.



August Kramlich of **Wishek, ND** accepts his **15 Year Length of Service Award** on December 14, 1998. He is pictured with his sister **Pauline**. The award was presented by **Sandra Wiche**, Cooperative Program Manager, Bismark, ND.



Mr. Wilford Martin, **McDonald, KS** accepts a **30 Year Length of Service Award** from the National Weather Service Forecast Office in Goodland, KS.



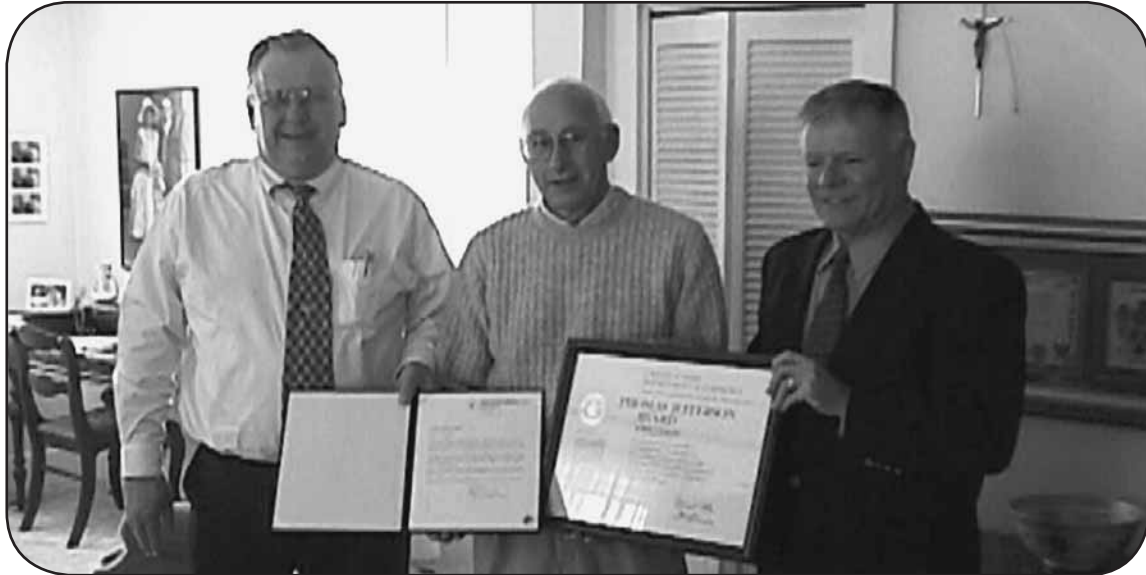
Kati Sommers, from National Weather Service Forecast Office in St. Louis, MO presented a **25 Year Length of Service Award** to **Gary Buchholtz** of the **U. S. Army Corps of Engineers at Kaskaskia, IL Lock and Dam** on March 7, 2000.



Mr. Scott Campbell, (left) observer of **Little Valley Nursery, Brighton 3SE CO.** accepts a **15 Year Length of Service Award** from **William Ray**, Hydro-meteorological Technician from National Weather Service Office, Boulder, CO.

EASTERN REGION

THOMAS JEFFERSON AWARD



Mr. William Gregway, (center) Oswego, NY cooperative observer received the 1999 Thomas Jefferson Award. Presenting the award are Stephen W. Francis, (left) Data Acquisition Program Manager and Guy Tucker, Meteorologist in Charge, both from the National Weather Service Forecast Office in Buffalo, NY.

JOHN CAMPANIUS HOLM AWARD



Mrs. Betty Thompson observer for station **Glady 1N, WV** received the **John Campanius Holm Award**. Alan Rezek, Meteorologist in Charge of the Charleston Weather Service Office. Present also are, Tom Mazza, Forecaster, Rand Hatfield and Paul Gilkerson, Hydrometeorological Technicians, all from the Charleston Office.

EASTERN REGION

JOHN CAMPANUS HOLM AWARD



Mr. Alan Rezek, (right) Meteorologist in Charge of the National Weather Service Office in Charleston, WV shakes the hand of **James Fankell**, observer, **Grayson 2E, WV**. Mr. Fankell was presented with the **John Campanus Holm Award** on December 12, 1999.

50 Year Institutional Award



The University of New Hampshire reached their 50th year in service to The National Weather Service, as an Official Cooperative Observer, in June of 1998. James F. Brown, (center) Cooperative Program Manager for the National Weather Service in Gray, ME presented the award to **Douglas C. Virgin**, (right) observer for the university, on September 9th 1999. Barry Keim, New Hampshire State Climatologist looks on at the left.



Mr. Bob Kampf, Ray Brook, NY received an individual **30 Year Length of Service Award** on September 13, 1999. The award was presented by William S. Grady, Data Acquisition Program Manager for the National Weather Service Office, Burlington VT. Accepting the award with Mr. Kampf is his daughter **Marot**.

EASTERN REGION



A **25 Year Institutional Award** is presented to **Cornell Uihlein Farm, Lake Placid 2S, NY**. The award is presented by William Grady, Data Acquisition Program Manager from the National Weather Service Office in Burlington, VT. Accepting the award is **Burt Williams** (left) and **Dennis Lawrence**.



A **25 Year Length of Service Award** is presented to **Louise B. Seward, East Wallingford #2, VT**. The award is presented by William Grady, Data Acquisition Program Manager from Burlington VT.



Mr. Peter Devore, from the **Sanford Water District**, in **Sanford, ME** accepts a **25 Year Length of Service Award**. Presenting the award is James F. Brown, (right) Cooperative Program Focal Point, from the National Weather Service Office in Gray, ME.



Ellen W. Davis, Gandeeville 1SE, WV accepts a **25 Year Length of Service Award** from Randall Hatfield, Cooperative Program Manager at National Weather Service Office in Charleston, WV.



Thomas O. Kenyon, (right) **Technical Administrator of The Physics and Astronomy Department at Dartmouth College** received his **25 Year Length of Service Award** on September 10th, 1999. The award is presented by James F. Brown, Cooperative Program Focal point from the National Weather Service Office in Gray, ME.



Carolyn E. Tucker, (left) **Ludlow, VT** accepts a **10 Year Length of Service Award** from Dessa Garton, Cooperative Program Manager from the National Weather Service Office in Burlington, VT.

EASTERN REGION

IN MEMORY



Mr. Victor Perkins, of **Bethel 4N, Vermont**, passed away shortly after receiving a **40 Year Length of Service Award** on June 9th, 1999. Mr. Perkins was a veteran of World War II, retired Post Master and retired farmer. Accompanying the award were letters of appreciation from John J. Kelly, Director of the National Weather Service, John T. Forsing, Director of National Weather Service, Eastern Region, and William Grady, Data Acquisition Program Manger of the National Weather Service Office in Burlington, Vermont. The observation program will continue under his sister's, **Victoria**, auspices.

PACIFIC REGION

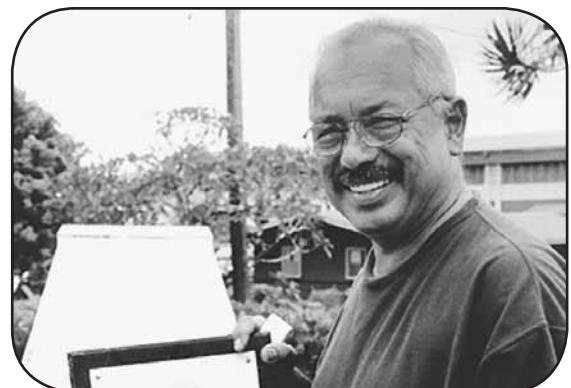
INSTITUTIONAL AWARDS



The East Maui Irrigation Company, LTD, in Kailua, Maui, received three **Institutional Length of Service Awards**. The station in Kailiili received a **50 Year Award**, **Waikamoi Dam**, and **Olinda**, **25 Year Awards**. Pictured from left to right, front row, are, **Michael Magliato**, **Andrew Honokaupu**, **Hanalie Day**, **Herbert Sagon**, **Leland Hoopii**, and **Lyman Hoomoa**. Back row, **Steven Cabral**, **Superintendent of Field Operations**, **David Madeiros**, **Edward Tanouye**, **Tai-Cong Hookaupu**, **Tommy Koomoa**, **Nelson Akiu**, **Henry Robello**, and **Albert Hookaupu**, **Senior Superintendent**. Missing from the photograph is **Joe Hookaupu**.



Joni Samson, (right) **Ailinglapalap, Marshall Islands**, accepts a **30 Year Length of Service Award** at the National Weather Service Majuro. Presenting the award is **Derek Lee Loy**, Pacific Region Headquarters.



George Salazar, observer, **Pahoa School Site, HI**, receives a **20 Year Length of Service Award** on September 9th, 1999.

PACIFIC REGION



George Schattauer and his wife, from **Kaawaloa, HI**, receives a **15 Year Length of Service Award** on September 8th, 1999.



A **15 Year Length of Service Award** is presented to **Virginia Koch (Dowsett)**. Mrs. Koch is also one of two **John Campanius Holm Award** recipients in the Pacific Region. Presentation was made by **Derek Lee Loy**.



Walter B. Fisher, **South Kona, HI** receives a **10 Year Length of Service Award** on September 10th, 1999.

SOUTHERN REGION

THOMAS JEFFERSON AWARD



L. Douglas Griffith (center) accepts the **1999 Thomas Jefferson Award** on January 20th at the Paulding County Community Center. Mr. Douglas is the volunteer observer at the **Dallas 7 NE** station and has been observing the weather at that site for 26 years. Pictured, left to right, William Angel, National Climatic Data Center, Frank Taylor, Peachtree City Weather Office, Gary Grice, Deputy Director, Southern Region Headquarters, L. Douglas Griffith, Nate Mayes, Peachtree City Weather Office, John Feldt, Hydrologist in Charge, Southeast River Forecast Center, and Don Silva, Peachtree City Weather Office.

SOUTHERN REGION

FIFTY YEAR INSTITUTIONAL AWARDS



Pictured is **Mr. Ellis Burgess** accepting a **50 Year Institutional Award** on behalf of the **Auburn University Tennessee Valley Substation**, located in **Belle Mian, AL**. David C. Wilfing, Data Acquisition Program Manager from the National Weather Service Forecast Office in Birmingham, presented the award.



Mr. Bennie Brewer accepts a **50 year Institutional Award** presented to the **U. S. Army Corps of Engineers** at **Sardis Dam, MS**.



Allen Nipper, (left) Resident Director of **Louisiana State University Hill Farm Research Center**, accepts a **50 Year Institutional Award**. Presenting the award is Marion Kuykendall, Data Acquisition Program Manager from the National Weather Service Forecast Office in Shreveport. Looking on are Nancy Boddie (left) and Mariann Norton of L. S. U. Hill Farm.

SOUTHERN REGION



Area Manager, Carlos Garza Jr., presenting a **35 Year Service Award** to **Mr. Jack Montgomery** of Rome, GA. The award was presented in front of a 100-year old cabin that was donated to the city of Cave Springs, Georgia by the Montgomerys. Carlos on the left and Mr. Montgomery on the right.



A **25 Year Institutional Award** is presented to **Southwestern Electric Company, Mooringsport 1 N, LA**. Accepting the award (L-R) are Andy Delony, Luther Loftin, John Crow and J.C. Bailey. The award was presented by Marion Kuykendall, Data Acquisition Program Manager from the National Weather Service Forecast Office in Shreveport.



Mr. Bruce Hunnicut of Gravelly 1E, AR, holds a **25 Year Length of Service Award**. The award was presented by Charles McDonald, a Hydrometeorological Technician from the National Weather Service Forecast Office in Little Rock.



Mr. Bill Favero, Cooperative Observer at the Avon Park Flying Service, is shown here accepting the **25 Year Institutional Award**. Presenting the award, at right, is Colleen Rhea, Data Acquisition Program Manager at NWSO TBW.



A **25 Year Institutional Award** is presented to the **U. S. Forest Service, Wiggins Mississippi Ranger Station**. Accepting the award (L-R) are Jay Boykin and Herman Hall. Presenting the award was Randy McKee, Meteorologist in Charge at the Mobile National Weather Service Office.

SOUTHERN REGION

TWENTY-FIVE YEAR INSTITUTIONAL AWARD



25 Year Institutional Award
Corps of Engineers
Wright Patman Dam & Lake, TX

Presentation made by Steve Griffin (Hydrometeorological Technician- not pictured) from Shreveport, LA NWSO.
Accepting award L-R: **Bill Smith and Jennifer Bunch.**

TWENTY YEAR LENGTH OF SERVICE AWARDS



Mrs. Linda E. Hibbard, observer at **Burkburnett, TX**, accepts a **20 Year Length of Service Award**. The award was presented by Carl Wilkins, a Hydrometeorological Technician, from the Norman, Ok, Forecast Office.



Mrs. Marietta McArtor, of **Parthenon, AR**, accompanied by her husband, accepts a **20 Year Length of Service Award**. The award was presented by Jimmy Russell (left) Data Acquisition Program Manager, and Charles McDonald (right) Hydrometeorological Technician, both from the National Weather Service Forecast Office in Little Rock.



Morris Holland of **Hickory Flat, MS** accepts a **20 Year Length of Service Award** by Jack Jackson, Data Acquisition Program Manager, from the forecast office in Memphis, TN. The data provided by Mr. Holland, continues the climatological record for his community which began in 1909.



Ms. Gracie Sims (left) of **Compton, AR**, accepts a **20 Year Length of Service Award** from Mike Reid, a Hydrometeorological Technician, from the Little Rock Forecast Office. Her daughter, Shirley, is pictured on the right.

SOUTHERN REGION



Eddie Archer (left) accepts a **15 Year Length of Service Award** and lapel pin from Frank Ferrell, Hydrometeorological Technician from the National Weather Service Forecast Office, Morristown, TN. Mr. Archer is the volunteer observer for the community of **Newcomb, TN**.



Mr. John Mansfield (left) accepts a **15 Year Length of Service Award** from Frank Ferrell, Hydrometeorological Technician from the National Weather Service Forecast Office, Morristown, TN. Mr. Mansfield is the volunteer observer for **Mount Leconte, TN**.



Ms. Dean L. Walls of Des Arc, AR, holds a **15 Year Length of Service Award** presented by the National Weather Service Forecast Office in North Little Rock. When she is not observing, Ms. Walls is the President of the *White River Journal* in Des Arc.



Mr. James A. Moore, (center) **Mayor of El Reno, OK**, and **Mr. Joe Case**, (right) **City Water Works Manager**, are shown receiving a **15 Year Length of Service Award**, from Dennis McCarthy, Meteorologist in Charge at the Norman Forecast Office.



Mr. N. A. "Turk" Baz (left) accepts a **15 Year Length of Service Award** from Frank Ferrell, Hydrometeorological Technician from the National Weather Service Office, Morristown, TN. Mr. Baz is the volunteer observer for the community of **Jamestown, TN**.



Jason Hansford, (left) meteorologist from the National Weather Service Forecast Office in Shreveport, LA, presents a **15 Year Length of Service Award** to **Don Wheeler** of **Sterlington #2, LA**.



Owenby and Audrey Fleming accepts a **15 Year Length of Service Award** from Steve Griffin, Hydrometeorological Technician (right). Kanawha, TX



Mr. Edward Starling (right) accepts a **15 Year Length of Service Award** from Don Silva, Atlanta NWS Office.

SOUTHERN REGION



A **15 Year Length of Service Award** is presented to **Ms. Louise Blackwood**, observer at station **Newhope 6S, AR** from Marion Kuykendall, Data Acquisition Program Manager from Shreveport, LA.



Mrs. Patti Barnes (right) accepts a **15 Year Length of Service Award** from Susan Griffin, (standing) Hydrometeorological Technician from the National Weather Service Office in Midland, TX. Mrs. Barnes' grandmother, Agnes Sorrels, (seated-left) is a former volunteer observer and was in attendance for the award presentation.



Margie T. Hufstetler with her **10 Year Length of Service Award** presented by Don Silva, (not pictured) NWS Atlanta Office.



A **10 Year Length of Service Award** is presented to **Mr. Pat Boudreaux**, (center) observer at Zwolle 2NW, LA from Marion Kuykendall, Data Acquisition Program Manager from Shreveport, LA. (left), and Bill Murrell, Meteorologist, (right).

WESTERN REGION

JOHN CAMPANIUS HOLM AWARDS



Betty (right) and **Marvin** (deceased) **Wetzsteon, Sula 3ENE, MT** received the **John Campanius Holm Award**. Accepting for his father is **Bob Wetzsteon** (left). **Bob** was also presented a **20 Year Length of Service Award** for his observation program at **Gibbons Pass, MT**. Presenting the awards are Dave Goens, (not pictured) Meteorologist in Charge, and Garland Hardamon, (center) Cooperative Program Manager, both from the National Weather Service Office in Missoula, MT. This pioneer family's dedication and sense of duty to their community and country is obvious by the awards. The Wetzsteon family homesteaded the Sula Valley for over 100 years.



Mrs. Fern White of San Jon New, NM accepts the **John Campanius Holm** award in her home. Grady Svoboda, Data Acquisition Program Manager, and Bob Wisniewski, Hydrometeorological Technician, from the National Weather Service Office in Albuquerque presented the award.

WESTERN REGION

75 - Year Institutional Awards



Lane Dexter, (right) Senior Operator at the **Gorge Dam, Newhalem, WA** accepts a **75 Year Length of Service Award** on behalf of **Seattle City Light**. Presenting the award is **Doug McDonnal**, Service Hydrologist, National Weather Service Forecast Office, Seattle, WA.



James Campbell, Deputy Director National Weather Service Western Region (right) presents a **75 Year Institutional Award** to **Walter Pagel** (center) Eastern Hydro Region Manager, and **Neil Slider** (left) Eastern Hydro Region Hydrographer, Southern California Edison Co., for the observation program at **Lake Sabrina, CA**.



The Amalgamated Sugar Company, Ogden, UT, accepts a **75 Year Institutional Award**. Pictured left to right; **Steve Woody** and **Paul Lemieux** of the Amalgamated Sugar Company, and **Bill Adler**, Meteorologist in Charge of the Salt Lake City Forecast Office. The award presentation was witnessed by more 75 employees.



A **75 Year Institutional Award** is presented to employees of the **Mount Adams Ranger Station** on July 28, 1999. Accepting the award are **Marge Yarnell** (center, holding plaque), **Richard Morgan** (center-left) and **Mary Gibson** (center-right). Presenting the award is **Jim Zdrojewski**, Data Acquisition Program Manager, National Weather Service Office, Pendleton, OR.

WESTERN REGION

75 Year Institutional Award



A 75 Year Length of Service Award is presented to the U.S. Forest Service Ranger Station at Randale 1E, WA.

Edward H. Stoll Award



The **Edward H. Stoll Award** is received by “**The King Family**”, on August 27, 1999, for fifty years of dedicated service as official weather observers at the **Anvil Ranch**, near Tucson, AZ. Presenting the award is Glen Sampson, (right) Meteorologist in Charge, National Weather Service Office, Tucson, AZ. Accepting the award is **Pat King**, (center) observer. Paul Crimmins, Data Acquisition Program Manager looks on at the left.

50 Year Institutional Award



A **50 Year Institutional Award** is presented to **Canoga Park Pierce College**. Accepting the award is Pierce College President, **Rocky Young** (left). Presenting the award is Vicki Nadolski (right), Regional Director, Western Region, Salt Lake City, UT. Also in attendance is **Katherine Haines**, the widow of **Lee Haines**, founder of the original station.

50 Year Institutional Award



A **50 Year Institutional Award** is presented to the **Kern County Fire Department at Randsburg, Ca.** The award is presented by National Weather Service Cooperative Program Manager, Brad Adams. **Captain John King** (left) and Firefighter **Tom Fletcher** accepts the award on behalf of **Station #75 at Randsburg, CA.**

WESTERN REGION

50 Year Institutional Award



The U.S. Forest Service, Ephraim, Sorensens Field, UT accepts a **50 Year Institutional Award**. The award is presented by Bill Adler, (left) Meteorologist in Charge of the Salt Lake City Forecast Office, to **Gary Jorgensen** observer.

50 Year Institutional Award



A **50 year Institutional Award** is presented to the **U.S. Corps of Engineers** for providing precipitation readings from **Carbon Cayon Gilman** and **Carbon Canyon Workman** rain gauges. Picture left to right; front row, Armando Garza, Meteorologist in Charge, National Weather Service Office, San Diego, **Franklin Fischer**, and **Dan Downing**. Back row, Frank O'Leary, Hydrometeorological Technician, San Diego, and **Chris Craig**.

50 Year Institutional Award



A **50 Year Institutional Award** was presented to the **KSVC Radio Station, in Richfield, UT**. KSVC Radio has provided the longest period of continuous weather records from a single location in Richfield. The first station was established in 1893. Accepting the award is **Kevin Kitchen**, (left) station manager, and **Kay Kimball, Richfield Mayor**. (right) Bill Adler, (center) Meteorologist in Charge of the Forecast Office in Salt Lake City, presented the award.



Axel Larsen, observer, **Bredette, MT** is shown with a **30 Year Length of Service Award** which was presented by Mark Siverly, Hydrometeorological Technician from the National Weather Service Office in Glasgow, MT.

WESTERN REGION



A **30 Year Length of Service Award** is presented to **Donald Smith**, observer, **Wibaux 2E, MT**. Making the presentation was Mike Rawles, Data Acquisition Program Manager, National Weather Service Office, Glasgow, MT.



Mr. Ed Quale, recording rain gauge observer, **Carnation, WA**, accepts a **30 Year Length of Service Award** by Robert Herzog, Cooperative Program Manager, National Weather Service Forecast Office, Seattle, WA.



A **25 Year Institutional Award** is presented to **KSL Television News Crew**, Salt Lake City, UT. Pictured accepting the award is **Len Randolph**, KSL Meteorologist (center). Presenting the award is Steve Summy, Data Acquisition Program Manager (left) and Bill Alder, Meteorologist in Charge (aright) both from the National Weather Service Forecast Office in Salt Lake City.



A **25 Year Length of Service Award** is presented to the employees of the **U.S. Forest Service** at the **Enterprise Ranger Station** in Enterprise, OR on October 26, 1999. Accepting the award are (left and center) **Jim Roberts**, District Ranger and **Bob Both**, Assistant Fire Management Officer. Presenting the award is Bruce Bauck, Meteorologist in Charge at National Weather Service Office Pendleton, OR.



A **25 Year Length of Service Award** is presented to **Dee M. Hathaway, Glenwood 2**, on July 15, 1999. Presenting the award are Bruce Bauck (left) Meteorologist in Charge, and Jim Zdrojewski, Data Acquisition Program Manager from NWSO, Pendleton, OR.



A **25 Year Length of Service Award** is presented to **Douglas S. Daniels, Glenwood, Or** on July 15, 1999. The award is presented by Bruce Bauck (left) and Jim Zdrojewski, from the National Weather Service Office in Pendleton, OR.

WESTERN REGION



A **25 Year Length of Service Award** is presented to the **Ramona Fire Department Station #82**. Pictured receiving the award are, from the left, **Captain Robert McLaughlin, Battalion Chief James Garrett, Captain John Butz, Engineer Jack Wethey, Engineer Don Malcom, Firefighter Jason Cole, and Brad Doyle**. The award was presented by the Cooperative Program Manager from the National Weather Service Office in San Diego, CA.



Mary Cowin, retired observer, **Brusett, MT**, is shown with a **25 Year Length of Service Award**. The award was presented by Mark Siverly, Hydrometeorological Technician from the National Weather Service Office in Glasgow, MT.



Roland Marney (right), observer, **Dodson, MT**, accepts a **20 Year Length of Service Award** from Victor Proton, forecaster from the National Weather Service Forecast Office in Glasgow, MT.



Eva Oxarart, observer, **Content 3SSE, MT**, is shown with a **20 Year Length of Service Award**. The award was presented by Mark Siverly, Hydrometeorological Technician from the National Weather Service Forecast Office in Glasgow, MT.



Arnold Robson, observer, **Lindsay, Mt**, received a **20 Year Length of Service Award** from Dave Walker, Cooperative Program Manager from the National Weather Service Office in Glasgow, MT.



Diane Ehman, observer, **Mildred 5N, MT**, with her husband **Tim**, received a **20 Year Length of Service** award from Dave Walker, Cooperative Program Manager from the National Weather Service Office in Glasgow, MT.

WESTERN REGION



Teresa Sifers, observer, **Toledo, WA**, is presented with a **20 Year Length of Service Award** by Jim Jones, Data Acquisition Program Manager, National Weather Service Forecast Office, Seattle, WA.



A **15 Year Length of Service Award** is presented to **Maurice and Beverly Usher** of **Gibbonsville, ID**. The award was presented by Stan Krenz and Mike Zenner, Weather Forecast Office, Missoula, MT.



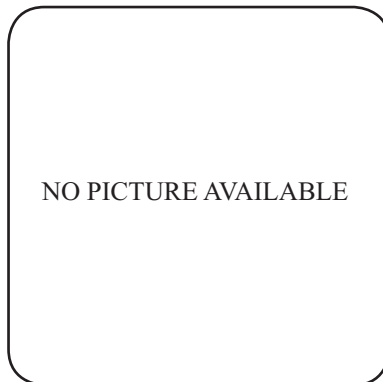
Charles Mohr, right, observer at **Glendive, MT**, accepts a **15 Year Length of Service Award** from Victor Proton, forecaster from the National Weather Service Forecast Office, Glasgow, MT.



Carol Peterson, observer, **Mosby 4ENE, MT**, accepts a **15 Year Length of Service Award** on behalf of herself and her husband, **Larry**. The award was presented by Mark Siverly, Hydrometeorological Technician, from Glasgow, MT.



A **10 Year Length of Service Award** is presented to **Dick Youse** and his wife **Betty**, for their observation program in **Alpine, AZ**.



10 Year Length of Service Awards were also presented to **John Willis, Olga 2SE, WA** and **Dan Coe, Tonasket, WA**.



Raylo Hendrickson, observer, **Redston, MT**, is shown with a **10 Year Length of Service Award** presented by Mark Siverly, Hydrometeorological Technician, from the National Weather Service Office in Glasgow, MT.

WESTERN REGION



A **10 Year Length of Service Award** is presented to **Aaron** and **Clinton Lytle** (center and right) of **Kooskia 5SSE, ID**. Also pictured is Stan Krenz, Data Acquisition Program Manager from National Weather Service Office, Missoula, MT.



A **10 Year Length of Service Award** is presented to **Al** and **Dorothy Izzett** (center and right) of **Elgin, Or** on September 16, 1999. Bruce Bauck, Meteorologist in Charge of the National Weather Service Office, Pendleton, Or presented the award.



A **10 Year Length of Service Award** is presented to the **City of Kearny, AZ** by Glen Sampson, Meteorologist in Charge, and Paul Crimmins, Data Acquisition Program Manager from NWSO Tucson, AZ. Accepting the award are **Ray Camacho**, (R) and **Jeff Ramirez**.



Mr. Robert Footlik, observer, **Newhall 5NW, CA** is presented a **10 Year Length of Service Award**. The award was presented by Dennis Tussey, Cooperative Program Manager, Oxnard, CA.



A **10 Year Length of Service Award** is presented to **Robert** and **Berta Huber** of **Huber Farms, Inc**, observers, **Vida 6NE, MT**. Making the presentation was Mike Rawles, Data Acquisition Program Manager, NWSO, Glasgow, MT.

These and other publications are available from the National Climatic Data Center

Hourly Precipitation Data

This publication contains hourly precipitation amounts obtained from recording rain gages located at National Weather Service, Federal Aviation Administration, and cooperative observer stations. Published data are displayed in inches and tenths or inches and hundredths at local standard time. **HPD** includes maximum precipitation for nine time periods from 15 minutes to 24 hours, for selected stations.

Climatological Data

Monthly editions contain station daily maximum and minimum temperatures and precipitation. Some stations provide daily snowfall, snow depth, evaporation, and soil temperature data. Each edition also contains monthly summaries for heating and cooling degree days (65 degrees F base). The July issue contains a recap of monthly heating degree days and snow data for the preceeding July through June.

The Annual issue contains monthly and annual averages of temperature, precipitation, temperature extremes, freeze data, soil temperatures, evaporation, and a recap of monthly cooling degree days.

Storm Data

Monthly issues contain a chronological listing, by states, of occurrences of storms and unusual weather phenomena. Reports contain information on storm paths, deaths, injuries, and property damage. An "Outstanding storms of the month" section highlights severe weather events with photographs, illustrations, and narratives. The December issue includes annual tornado, lightning, flash flood, and tropical cyclone summaries.

Monthly Climatic Data for the World

This publication contains monthly means for temperature, pressure, precipitation, vapor pressure, and sunshine for approximately 2,000 surface data collection stations worldwide and monthly mean upper air temperatures, dew point depressions, and wind velocities for approximately 500 observing sites.

Local Climatological Data

LCD summarizes temperature, relative humidity, precipitation, cloudiness, wind speed and direction observation for several hundred cities in the U.S. and its territories. Each monthly publication also contains the 3 hourly weather observations for that month and an hourly summary of precipitation. Annual **LCD** publications contain a summary of the past calendar year as well as historical averages and extremes.

For information call:

(828) 271-4800 (voice)
(828) 271-4010 (TDD)
(828) 271-4876 (fax)

National Climatic Data Center
Room 120
151 Patton Avenue
Asheville, NC 28801-5001

To change your address, please return a copy of the mailing label along with your new address to:

NCDC Subscription Services Center
310 State Route 956
Building 300
Rocket Center, WV 26726

Inquires/Comments Call: (866) 742-3322 (Toll Free)
(828) 271-4010 (TDD)
(304) 726-4409

NCDC Subscription Services Center
310 State Route 956
Building 300
Rocket Center, WV 26726

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300
CHANGE SERVICE REQUESTED

PRESRT STD
POSTAGE & FEES PAID
United States Department of Commerce
NOAA Permit No. G - 19