

The National

Cooperative

Observer



Winter, Spring, Summer, Fall, 2000

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

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 National Weather Service (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 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 meteorological 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 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:

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 AND PACIFIC REGIONS

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COVER PHOTO

Snow scene looking past the instrument shelter at the Swannanoa 2SSE (Flat Top Mtn.) NC cooperative weather station, January 2000. Photo by observer Grant Goodge.

CENTRAL REGION

THOMAS JEFFERSON AWARD



GEORGE UMBARGER, observer, Genvoa 2W, receives the **THOMAS JEFFERSON AWARD** at a ceremony given in his honor at the Pawnee Senior Center. Steven D. Schurr, (left) Meteorologist in charge, and David Decker, (center left) Hydrometeorological Technician. Bob Bonack, (right) Central Region Cooperative Program Manager.

JOHN CAMPANIUS HOLM AWARD



The **JOHN CAMPANIUS HOLM** and **20-YEAR LENGTH-LENGTH-OF-SERVICE AWARDS**, were presented to **ALBERT** and **NETTA SHAW**, observers at Galesburg, KS. photo by Leon Wasinger, HMT (right).

CENTRAL REGION

JOHN CAMPANIUS HOLM AWARD



MR. ROBERT BIRCHER (3rd from left) of CODY, WY, received the **JOHN CAMPANIUS HOLM AWARD** and the **30-YEAR LENGTH-OF-SERVICE AWARD**. Presentation was made by Ralph Estell DAPM\RIW (left), Jack Dkstes, Mayor of Cody, (left center) and Jerry Bush CPW\RIW(right).

JOHN CAMPANIUS HOLM AWARD



The **JOHN CAMPANIUS HOLM AWARD** was presented to **RUTH K. ROBERTSON**, observer, Mellette, SD. Pictured from left to right are: Beth Smith from Senator Tom Daschle's office, Sara Sahli from Senator Tim Johnson's office, Ruth Robertson, and Mark Vaux from Congressman John Thune's office.

CENTRAL REGION

JOHN CAMPANIUS HOLM AWARD



JOHN and **ONETA GREET**, observers, Tensleep 16SSE, WY, received the **JOHN CAMPANIUS HOLM AWARD** and a **25-YEAR-LENGTH-OF-SERVICE AWARD** at an awards presentation at the WFO Riverton office.

JOHN CAMPANIUS HOLM AWARD



The **JOHN CAMPANIUS AWARD** was presented by John Orgler, DAPM WFO DDC (left), to **ELLA MAE JULIAN**, observer (center), from Big Bow 4WSW, KS, and her daughter Rita (right).

CENTRAL REGION

JOHN CAMPANIUS HOLM AWARD



The **JOHN CAMPANIUS HOLM AWARD** was presented to **RANDY GROSSMAN** of Denison, Iowa.

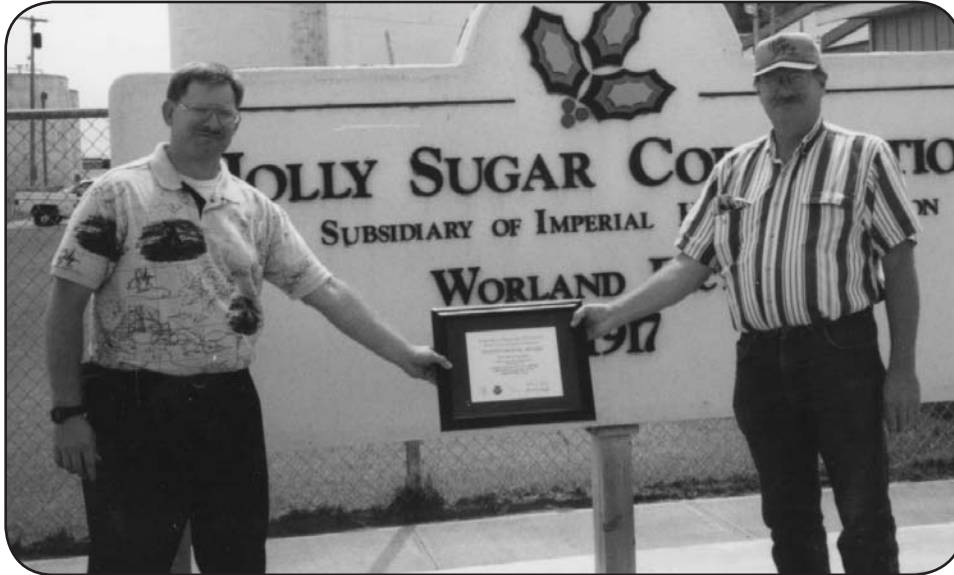
JOHN CAMPANIUS HOLM AWARD



MRS. MERYL KNAPP, (left) observer for the Rock, Kansas, area received the **JOHN CAMPANIUS HOLM AWARD**. Presenting the award is Richard Elder, (right), MIC, Wichita, KS.

CENTRAL REGION

75-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD



MR. DAVE MISKEE (observer, right) received the **75-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD** on behalf of the Holly Sugar Plant, Worland, WY. Presentation was made by Ralph Estell, DAPM/RIW (left).

CENTRAL REGION

55-YEAR BENJAMIN FRANKLIN AWARD



MR. TORRENCE JOHNS (left), received the **55-YEAR BENJAMIN FRANKLIN AWARD**. Presenting the award is MIC Ricky Shanklin (right).

50-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD



On September 18, the U. S. Corps of Engineers (COE), Fall River Lake, KS, accepted a **50-YEAR INSTITUTION AWARD**. Michael Joe Rosner (left), presented the award to **LARRY HOGUE**, Chief of Operations-COE (center), and **CLEON LINTON**, Project Manager-COE, (right).



Park Superintendent **DAVE WILSON**, observer, (right) received the **50-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD** on behalf of the Boysen Dam State Park, WY. Presentation was made by Ralph Estell DAPM\RIW (left).

CENTRAL REGION

50-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD



MIKE DELLOS, Plant Manager and observer, accepted the **50-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD** for the **BASIN WATER TREATMENT PLANT**, Basin, WY. The award was presented by Randy Ravasio, CPM, WFO Riverton, WY.



JEFF MEISTER (left), Plant Operator, accepted the **50-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD** from Craig Edwards (right), MIC, Chanhassen, MN.

SPECIAL SERVICE AWARD



MARY BRIDGES, observer, WAPITI 1NE, WY, received a **SPECIAL SERVICE AWARD**. Presentation was made by Jerry Bush CPM, WFO Riverton, WY.



GENEVIEVE ESHNAUR, observer (left) was awarded a **SPECIAL SERVICE AWARD**. Presenting the award was Michael Rosner, DAPM, (right) WFO Whichita, KS. Genevieve husband, Cecil, (center) stands with her.

CENTRAL REGION

40-YEAR-LENGTH-OF-SERVICE AWARD



MR. AND MRS JOSEPH L. HANNIGAN received the **40-YEAR-LENGTH-OF-SERVICE AWARD** from the National Weather Service in Grand Junction, CO.



MR. HUBER BOHLEBER (left), received his **40 YEAR CERTIFICATE** from MIC Ricky Shanklin, (right) Carmi, IL.



MARTHA WIENS, (right) observer for the Inman area, received a **40-YEAR-LENGTH-OF-SERVICE AWARD**. Presented by Richard Elder, MIC, (left), Wichita, KS.

CENTRAL REGION

35-YEAR-LENGTH-OF-SERVICE AWARD



RANDALL V. HENNIGH (left) received the **35-YEAR LENGTH-OF-SERVICE AWARD**, from John Orgler, Data Acquisition Program Manager (right).



STEPHEN GILMAN (left) observer, received the **35-YEAR-LENGTH-OF-SERVICE AWARD** from Leon Wasinger (right), HMT, Wichita, KS.



MR. WILLIAM H. NEWBERRY (left), received the **35-YEAR-LENGTH-OF-SERVICE AWARD**, from Becky T. Klenk, Cooperative Program Manager, Grand Junction, CO (right).



DELBERT ROSE, observer, Oakley 22S, KS, received the **35-YEAR-LENGTH-OF-SERVICE AWARD**.

CENTRAL REGION

30-YEAR-LENGTH-OF-SERVICE AWARD



MRS. MILDRED E. KLOPPENBURG, observer, Billing, MO, was presented a **30-YEAR-LENGTH-OF-SERVICE AWARD** by Larry Dooley, HMT and Paul A. Murphy, DAPM.



JAMES T. MUSGRAVE (left), observer, Hoyt, Colorado was presented the **30-YEAR-LENGTH-OF-SERVICE AWARD** by Carl Burroughs (right) HMT Boulder, Colorado.

25-YEAR-LENGTH-OF-SERVICE AWARD



MR. EARL H. CARNAGEY, observer, Miller, MO, was presented a **25-YEAR-LENGTH-OF-SERVICE AWARD** by Gene Hatch, HMT.



RAYMOND A. HALSTEAD, observer, Salina 2SW, KS, was awarded a **25-YEAR-LENGTH-OF-SERVICE AWARD**.



MR. KEITH WHITLATCH, observer, Steffenville, MO, was presented the **25-YEAR-LENGTH-OF-SERVICE AWARD**.



A **25-YEAR-LENGTH-OF-SERVICE AWARD** was presented to BHP Copper Co. Accepting the award was observer, **CHARLES FENSTERMACHER**.

CENTRAL REGION

25-YEAR-LENGTH-OF-SERVICE AWARD



The West Lafayette Wastewater Treatment Utility, West Lafayette IN, was presented a **25-YEAR-LENGTH-OF-SERVICE AWARD**. Accepting the award is **BETTY MAXWELL**, (far left), and **SONYA MARGERUM** (left). Presenting the award is John Curran, (center right), and Al Shipe, Indianapolis, IN (right).

20-YEAR-LENGTH-OF-SERVICE AWARD



MR. JAMES NEWBERRY, observer at the Cimarron, CO, was presented with a **20-YEAR-LENGTH-OF-SERVICE AWARD**.

20-YEAR-LENGTH-OF-SERVICE AWARD



ARDITH KEIM, (center), received a **20-YEAR-LENGTH-OF-SERVICE AWARD**, presenting the award was Dave Gurney (left) from NWS Hastings, NE. Her son, Dennis, is on the right.



KZZJ RADIO in Rugby, ND received a **20-YEAR-LENGTH-OF-SERVICE AWARD**. Accepting the award was staffer **HELEN TROTIER**. Presenting the award was Sandra Wiche, CPM, Bismarck, ND.



JOHN HALEY, observer (right), Shell, WY, was presented a **20-YEAR-LENGTH-OF-SERVICE AWARD** by Randy Ravasio, CPM, WFO Riverton, WY (left).

CENTRAL REGION

15-YEAR-LENGTH-OF-SERVICE AWARD



EUGENE BUSCH (right), of Cahokia, IL, received a **15-YEAR-LENGTH-OF-SERVICE AWARD** from Kati Sommer, a SCEP participant at WFO St. Louis, MO (left).



DON SULZMAN, (right), cooperative weather observer at Dresden Kansas, received a **15-YEAR-LENGTH-OF-SERVICE AWARD** along with **BROOKE TABER MIT**.



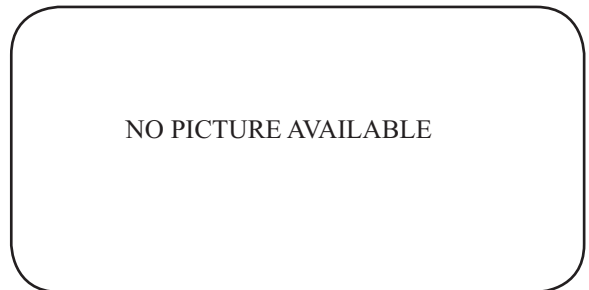
MRS. JOYCE A. BUCK with grand daughter Haley Buck, from Grayson 3SW, received a **15-YEAR-LENGTH-OF-SERVICE AWARD**, from Randall Hatfield and Marshall Monroe, KY.



MARK TRAVIS (right) received his **15-YEAR-LENGTH-OF-SERVICE AWARD**. Dave Gurney, NWS Hasting, NE, (left) presented the award.

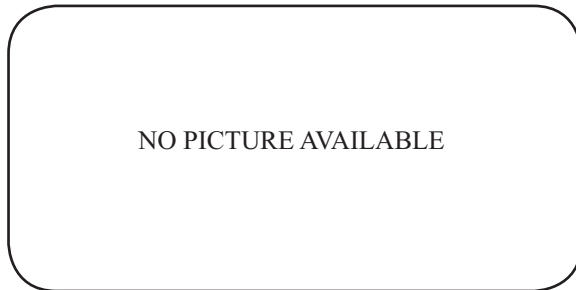


DONALD CAYWOOD (right) and the Staff at the Sterling Power Plant, were presented a **15-YEAR-LENGTH-OF-SERVICE AWARD**, by Michael Rosner, DAPM, NWS, WFO Wichita, KS.



NO PICTURE AVAILABLE

DONALD ZUELKE, observer, Stratford, WI, received the **15-YEAR-LENGTH-OF-SERVICE AWARD** from Pat Hein.



NO PICTURE AVAILABLE

RICHARD ROBBISON accepted a **15-YEAR-LENGTH-OF-SERVICE AWARD** from Michael Rosner, Wichita, KS.



LANNY FRITZ, observer, Rairden 2WSW, WY was presented a **15-YEAR-LENGTH-OF-SERVICE AWARD** by Randy Ravasio, CPM, WFO Riverton, WY.

CENTRAL REGION

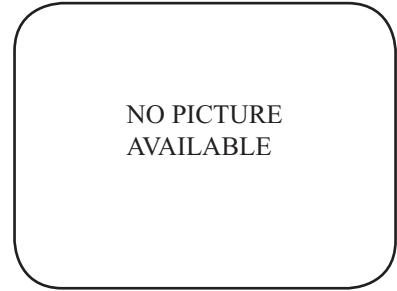
10-YEAR-LENGTH-OF-SERVICE AWARD



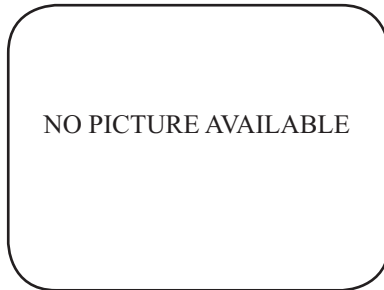
MELVIN WRAMPE received a **10-YEAR-LENGTH-OF-SERVICE AWARD**. Presenting the award was Leon Wasinger, CPM, NWS, WFO Wichita, KS.



STANLEY F. ASBURY was awarded a **10-YEAR-LENGTH-OF-SERVICE AWARD**. Presenting the award was Leon Wasinger, CPM.



THE KLIMPEL FAMILY from the Velva 3NE site in North Dakota received the **10-YEAR-LENGTH-OF-SERVICE AWARD**. Presenting the award was Sandra Wiche, CPM, Bismark, ND.



MR. DUANE DAVIS, observer, Drake, CO, was presented with a **10-YEAR-LENGTH-OF-SERVICE AWARD**. William Ray (left), HMT, Boulder, CO, made the presentation.



THOMAS BELL, (left), received a **5-YEAR-LENGTH-OF-SERVICE AWARD**. Presenting the award was Brad Fillbach, CPM, Des Moines, IA.

EASTERN REGION

JOHN CAMPANIUS HOLM AWARDS



MR. WILLIAM G. LARRABEE, Cooperative weather observer at Sebec Lake, ME, was awarded the **JOHN CAMPANIUS HOLM AWARD** by Mickey Brown, Deputy Directory of the NWS Eastern Region.

EDWARD H. STOLL AWARD

50-YEAR INSTITUTION AWARD



MARGARET C. JONES of Concord 4 SSW, VA, received the **EDWARD H. STOLL AWARD**. Award was presented by Jim White, HMT\RNK.



GERARD P. HUSSON (right), received the **50-YEAR INSTITUTION AWARD** from Marshall Monroe (left) HMT\RLX, VA.

EASTERN REGION

50-YEAR INSTITUTION AWARD



CONSOLIDATED GAS SUPPLY CORP. received the **50-YEAR INSTITUTION AWARD**. Accepting the award is **WILLIAM HENRY**. Presenting the award was Paul M. Gilkerson HMT\RLX, WV.

SPECIAL SERVICE AWARD



TOM LANDIS, accepting the **SPECIAL SERVICE AWARD** for the city of **BUCKHANNON WATER PLANT**. Presenting the award was Paul Gilkerson, HMT, RLX, WV.

30-YEAR-LENGTH-OF-SERVICE AWARD



LEONARD ODHAM, Fair Bluff, NC, received the **30-YEAR-LENGTH-OF-SERVICE AWARD**, from Tom Addington and Michael Ross.

25-YEAR-LENGTH-OF-SERVICE AWARD



The superintendent of the Corinna, ME, Wastewater Treatment Plant accept the **25-YEAR INSTITUTION AWARD**.



20-YEAR-LENGTH-OF-SERVICE AWARD

JACKSON CANADY, Shallote, NC, received the **20-YEAR-LENGTH-OF-SERVICE AWARD** from Tom Addington.

EASTERN REGION

15-YEAR-LENGTH-OF-SERVICE AWARD



MRS. PEGGY HACKER, Creston, WV, received the **15-YEAR-LENGTH-OF-SERVICE AWARD**, presented by Paul M. Gilkerson.



JIMMY WORKMAN of Renick 3, WV, received the **15-YEAR-LENGTH-OF-SERVICE AWARD** from Jim White HMT\RNK.



CHARLES NELSON JR. observer from Oak Hill, WV, received the **15-YEAR-LENGTH-OF-SERVICE AWARD** from Randall Hatfield.

10-YEAR-LENGTH-OF-SERVICE AWARD



DAVID K. SYLVESTER, observer at Barnard Plantation, Maine, is presented a **10-YEAR-LENGTH-OF-SERVICE AWARD**, along with his wife Nancy.



MR. JON D. WOOGE, observer from Christiansburg, VA, received the **10-YEAR-LENGTH-OF-SERVICE AWARD**.



MRS ROSE C. KIRBY, observer from Helton, NC received the **10-YEAR-LENGTH-OF-SERVICE AWARD** from Tony Wilf CRP\RNK.



RONALD HEATH (right), observer from Ripley, WV received the **10-YEAR-LENGTH-OF-SERVICE AWARD**, from Paul Gilkerson (left).

SOUTHERN REGION

THOMAS JEFFERSON AWARD



JAMES W. FORBES (center), of Center, TX, received the **THOMAS JEFFERSON AWARD**, presented by Shreveport National Weather Service Forecast Office. L-R: Steve Griffin (HMT), Angela Worshan (Daughter), Ann (spouse), James Forbes, Lee Harrison (MIC), Marion Kuykendall (DAPM), Bill Murrell (MET), Ken Falk (SOO), and in the back, Jimmy Forbes (Son).

JOHN CAMPANIUS HOLM AWARD



MRS. BONNIE JANTZ, (center), observer at Helena 1SSE, OK, received the **JOHN CAMPANIUS HOLM AWARD**. L-R: Alton Abernathy, Data Aquisition Program Manager at Key West, FL., Dennis McCarthy, Meteorologist-in-charge, Norman Forecast Office, Mrs. Jantz, Mr. Phillip Jantz, and Forrest Mitchell, Hydrometeorological Technician, Norman Forecast Office.

SOUTHERN REGION

JOHN CAMPANIUS HOLM AWARD



MARY ELIZABETH KING, observer from Dover, TN, received the **JOHN CAMPANIUS HOLM AWARD**. Making the presentation was Derrel Martin, MIC from Nashville, TN, accompanied by Ralph Troutman, DAPM from Nashville.

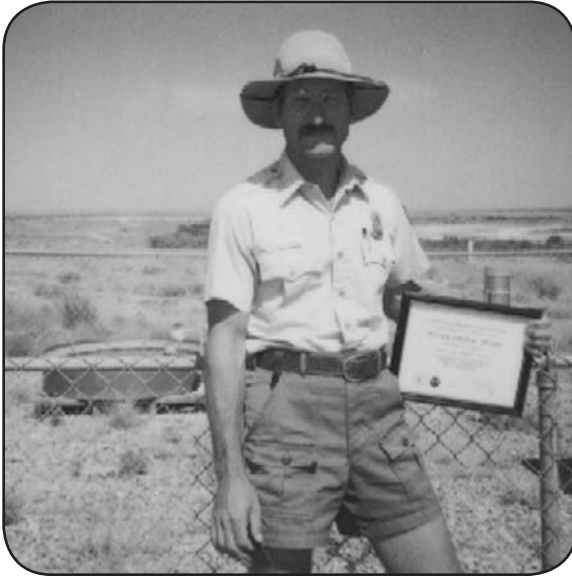
JOHN CAMPANIUS HOLM AWARD



WILLIAM B. CROW, (left), received the **JOHN CAMPANIUS HOLM AWARD**, presented by David Wilfing (DAPM, BMX) (right).

SOUTHERN REGION

50-YEAR INSTITUTION AWARD



GORDON WARWICK, observer from Bitter Lakes Refuge, NM, received the **50-YEAR INSTITUTION AWARD**. Presenting the award was Bob Wisniewski, HMT, Albuquerque, NM.



CLINT COOPER, left, from Mt. Pleasant, TX, received the **50-YEAR INSTITUTION AWARD**, from Marion Kuykendall, DAPM, WFO Shreveport, LA.

50-YEAR-LENGTH-OF-SERVICE AWARD



ROSEANNA GORDON accepted the **50-YEAR-LENGTH-OF-SERVICE AWARD** for Canjilon Ranger Station, NM, presented by Joseph A. Alfieri, HMT/ABQ.

45-YEAR-LENGTH-OF-SERVICE AWARD



IVA L. FRONABARGER from Stanley 1 NNE, ABQ, NM, received the **45-YEAR-LENGTH-OF-SERVICE AWARD**, presented by Joseph A. Alfieri HMT, WFO Albuquerque, NM.

SOUTHERN REGION

35-YEAR-LENGTH-OF-SERVICE AWARD



VERA HENDERSON observer for Golden, NM, received the **35-YEAR-LENGTH-OF-SERVICE AWARD**, presented by Joseph A Alfieri HMT/ABQ.



MRS. SALLYE HAYES BORCHERT, observer for Stuttgart, AR, received the **35-YEAR-LENGTH-OF-SERVICE AWARD**. L-R: Jimmy Russell (DAPM), Mrs. Borchert, Ed Pasierb (HMT), Renee Fair, Meteorologist, Little Rock, AR.

30-YEAR-LENGTH-OF-SERVICE AWARD



JACK SKIPPER, left, at the Skipper Ranch near Desoto City, FL, received the **30-YEAR-LENGTH-OF-SERVICE AWARD**, from Colleen Rhea, DAPM, Tampa Bay WFO (right).



MRS. LETHA CRISPIN, Taloga Coop observer, was presented a **30-YEAR-LENGTH-OF-SERVICE AWARD**, from representatives of the NWSFO OUN. L-R: Forrest Mitchell, HMT, Mrs Crispin, Dennis McCarthy and Steve Kruckenberg.

25-YEAR-LENGTH-OF-SERVICE AWARD



25-YEAR-LENGTH-OF-SERVICE AWARD, was presented to **VICTOR BATES**, Plant Manager with plaque, center at Tennessee Waste Treatment Plant, **SPECIAL SERVICE AWARD**, **LARRY CALDWELL**, front left.



MR. ROY GERMANY, of Coleman, OK, received the **25-YEAR-LENGTH-OF-SERVICE AWARD**, with his wife Francis. Presenting the award was Daryl William, HMT/OUN.

SOUTHERN REGION

25-YEAR-LENGTH-OF-SERVICE AWARD



MRS. VELMA ADAMS (left), received the **25-YEAR-LENGTH-OF-SERVICE AWARD** from Les Hiesler, WFO San Angelo, TX (right).



CINDY ANDERSON, third from left, accepted the **25-YEAR-LENGTH-OF-SERVICE AWARD** for Charlotte County Development Authority, at Punta Gorda, FL. Presenting the award is HMT Karl Loeper, at right, of Tampa Bay WFO.

NO PICTURE AVAILABLE

DAUPHIN ISLAND SEA LAB received the **25-YEAR-LENGTH-OF-SERVICE AWARD**. L-R: Dauphin Island Sea Lab Executive Director, George Crozier Meteorologist-in-Charge WSFO Mobile, Randall McKee Senior Marine Scientist, Will Schroeder.



POTLATCH CORPORATION received the **25-YEAR SPECIAL SERVICE AWARD**, and **FRENCH WYNNE** received the **20-YEAR-LENGTH-OF-SERVICE AWARD**. L-R: Jimmy Russell DAPM, French Wynne, Ed Pasierb HMT, all from Little Rock, AR.

20-YEAR-LENGTH-OF-SERVICE AWARD



MR. STEPHEN S. AUTRY (left) received his **20-YEAR-LENGTH-OF-SERVICE AWARD** from Ms. Eva Mullen, HMT at WFO San Angelo, TX (right).

15-YEAR-LENGTH-OF-SERVICE AWARD



J. W. HASTINGS (left) of Amber, OK, received a **15-YEAR-LENGTH-OF-SERVICE AWARD**, from Daryl William, HMT, Norman, OK (right).

SOUTHERN REGION

15-YEAR-LENGTH-OF-SERVICE AWARD



DEBBIE SPERO (left), observer, received a **15-YEAR-LENGTH-OF-SERVICE AWARD** from Fred Hellwagner, HMT/Old Hickory, TN.



TED R. BUFORD of Briggsville, AR, received the **15-YEAR-LENGTH-OF-SERVICE AWARD**. L-R: Renee R. Fair MIC, Charles McDonald HMT, Mrs. Buford and Mr. Buford.



MRS. MARY WHITAKER received a **15-YEAR-LENGTH-OF-SERVICE AWARD**, from Jimmy Russell DAPM, left, along with Ed Pasierb HT, right, all from North Little Rock, AR.

10-YEAR-LENGTH-OF-SERVICE AWARD



MR. HAROLD EBERS, observer at Hennessey 4ESE, OK, received the **10-YEAR-LENGTH-OF-SERVICE AWARD**, center, Mrs. Ebers, left, and Forrest Mitchell HMT, Norman (OUN), OK.



SAMUEL C. COBB, from Keo AR, received the **10-YEAR-LENGTH-OF-SERVICE AWARD**, presented by Ed Pasierb, HMT Little Rock, AR.



DANNY MASTALKA, left, Kingfisher County Emergency Manager, was presented a **10-YEAR-LENGTH-OF-SERVICE AWARD** by Forrest Mitchell, right.

SOUTHERN REGION

10-YEAR-LENGTH-OF-SERVICE AWARD

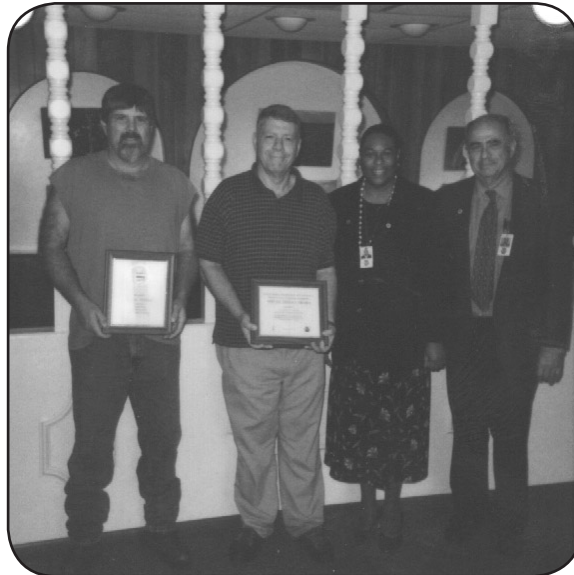


MR. KENNETT C. BLASSINGAME, (left) observer at the Olney Water Works, received a **10-YEAR-LENGTH-OF-SERVICE AWARD**.



SUZANNE ARMAND, (left) at Venus, FL, received her **10-YEAR-LENGTH-OF-SERVICE AWARD** from DAPM Colleen Rhea (right), of the Tampa Bay WFO.

SPECIAL SERVICE AWARD



UNIVERSITY OF ARKANSAS RICE BRANCH EXPERIMENT LAB STATION received a **SPECIAL SERVICE AWARD**, also **RONNIE SHERMAN** received a **10-YEAR-LENGTH-OF-SERVICE AWARD**. L-R: Ronnie Sherman, Dr. John Robinson, Renee Fair, MIC, and Ed Pasierb, HMT.

WESTERN REGION

THOMAS JEFFERSON AWARD



MR. H. BALLARD (right), observer at Dewey, Utah, received the **THOMAS JEFFERSON AWARD**. Mr. Doug Crowley (left), MIC at Grand Junction, presented the award during an outdoor ceremony at Moab, Utah.

JOHN CAMPANIUS HOLM AWARD



JERRY KING (right), observer, Forks 1 E, WA, is shown accepting the **JOHN CAMPANIUS HOLM AWARD** from Bod Herzog (left), HMT/Acting CPM, NWSFO Seattle, WA.

WESTERN REGION

EARL STEWERT AWARD



DAVE AND DELORES ENGLE, observers at Coupville, accepted the **EARL STEWERT AWARD**, for 75 or more years of continuous observations.

75-YEAR INSTITUTIONAL AWARD



ALLEN FOGLE, (right), acting Fire Chief, Centralia, WA, received the **75-YEAR INSTITUTIONAL AWARD**, from Bob Herzog, HMT/Acting CPM, NWSFO Seattle, WA.

WESTERN REGION

HELMUT E. LANDSBERG AWARD



LEONARD REESE (left), observer at Cougar 4 SW, WA, received the **HELMUT E. LANDSBERG AWARD**, from Bob Herzog (right), HMT/Acting CPM, NWSFO Seattle, WA.

EDWARD H. STOLL AWARD



DORIS AND BILL WINKLER (right), observers at Rucker Cayon, AZ, received the **EDWARD H. STOLL AWARD**, from Jim Kolbe (left), 5th District Congressman from Arizona

WESTERN REGION

30-YEAR-LENGTH-OF-SERVICE AWARD

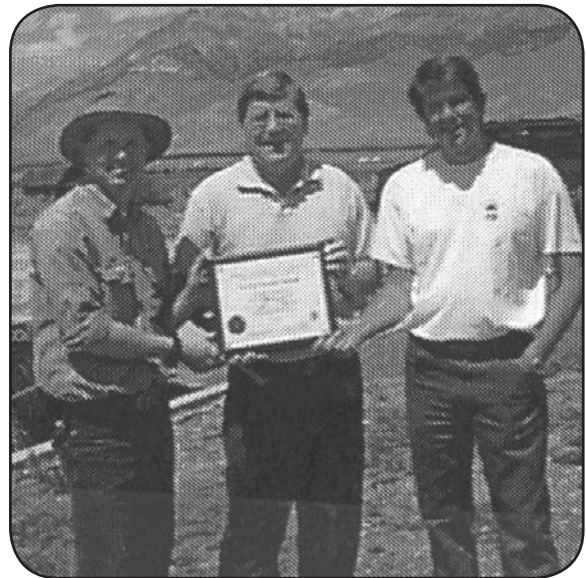


MR. EARL STEWART (right), of Laveen 3SSE received the **30-YEAR-LENGTH-OF-SERVICE AWARD**, presented by Mike Hays (left), Phoenix, AZ.

25 YEAR INSTITUTIONAL AWARD



MARTORI FARMS of Aquila, AZ, was presented a **25 YEAR INSTITUTIONAL AWARD**. The award was presented to observer Juan Anaya (left), by Mike Hays (right).



MACKAY STATE FISH HATCHERY, at Chilly Barton Flats, ID, received the **25 YEAR INSTITUTIONAL AWARD**, presented by MIC Mark Mollner (center), on the left is observer Phil Coonts and on the right is observer Mick Hoover.

WESTERN REGION

25 YEAR INSTITUTIONAL AWARD



JOE BARBEE, Senior Operator and observer with Seattle Water Department, Landsburg, WA, accepted the **25 YEAR INSTITUTIONAL AWARD**.



MR. KENNY RINNER (right), accepted a **25 YEAR INSTITUTIONAL AWARD** for the Oregon Department of Transportation, Santiam, OR.

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

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