

# The National Cooperative Observer



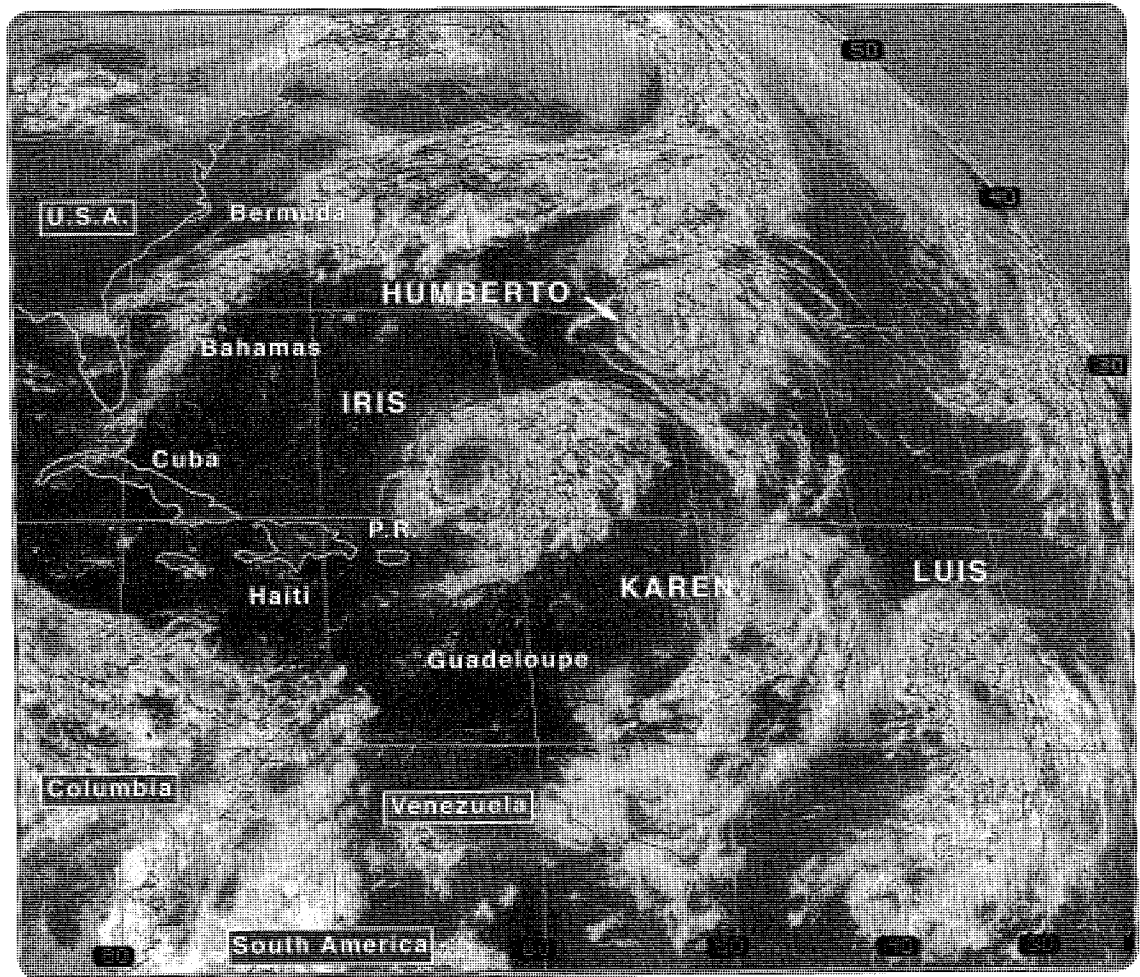
Summer 1995 *Received 5-8-96* Volume 12

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: Grant W. Goodge, and the Orkand Staff,  
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 furnished 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:

Grant W. Goodge  
National Climatic Data Center  
151 Patton Avenue, Rm 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.

**NOTE: No submissions were received from the Alaska Region**

## CONTENTS

	<u>Page</u>
Western Region .....	.2
Southern Region .....	.7
Eastern Region .....	.17
Pacific Region .....	.24
Central Region .....	.25
A Note From the Editor .....	.37

**About the cover:** A NOAA satellite image of the famous "Parade of Storms," on August 30, 1995. The four tropical storms in the Atlantic Ocean, are, from left to right, Hurricane Iris, Hurricane Humberto, Tropical Storm Karen, and Hurricane Luis. In addition, the remnants of Tropical Storm Jerry were still over the U.S. at the time.

The image was taken by the GOES-8 satellite in geosynchronous orbit 22,300 miles above the earth.

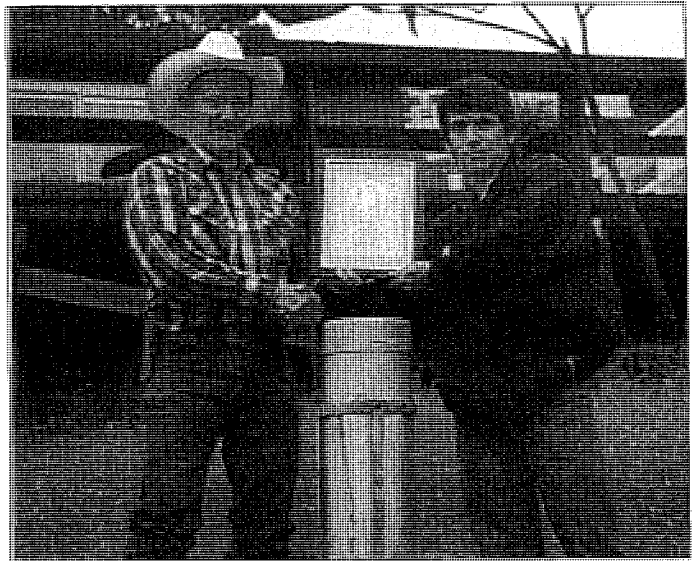
October 1995/NOAA Report

## WESTERN REGION

### 100TH ANNIVERSARY



A **CENTENNIAL AWARD** was presented to the **CITY OF PASADENA, CA**. Accepting the award on behalf of the City is Rufus Hightower, (left), General Manager of the Pasadena Water Division. The Water Division has been taking observations since 1952. Diana Van Cor (right) WSO/Los Angeles/Oxnard presented the award.



**RUSSELL HUNT**, (left) **BRIDGEVILLE, CA**, received a **20-YEAR LENGTH-OF-SERVICE AWARD**. An official NWS rain gage has been on the family ranch for 45 years. Mr. Hunt's father recorded observations for 25 years before Mr. Hunt took over in 1975. Jim Fahey (right), CPM/Eureka, presented the award.



**SHIRLEY PADDOCK**, observer, **CORCORAN IRRIGATION DISTRICT, CA**, received a **20-YEAR LENGTH-OF-SERVICE AWARD**. Pictured with Shirley is Tom Vernon. Presentation was made by Martin Veloz, DAPM San Joaquin WSO.



**O.D. McVay** (right) accepted a **50-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD** for **THE CORCORAN IRRIGATION DISTRICT, CA**. Award was presented by Martin Veloz (left).

## WESTERN REGION



**THE PUBLIC WORKS DEPARTMENT OF LOS ANGELES COUNTY, CA**, received two length of service awards. **SPADRA PACIFIC COLONY** received a **75-YEAR AWARD** and **VAN NUYS, CA**, received a **25-YEAR AWARD**. George Faraq (middle), Supervisor in the Hydrologic Water Conservation Division, accepted the awards from Diana Van Cor (right) and Eugene Van Cor (left) WSO/Los Angeles/Oxnard..



**THE PACIFIC GAS AND ELECTRIC (PG&E) SUBSTATION, ROUND MOUNTAIN, CA**, received a **25-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD**. Wes Kirksey and Dennis Goodman accepted the award.



**THE FIRE DEPARTMENT, PARADISE, CA**, was presented with a **25-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD**. Captain Jim Broshears accepted the award on behalf of the Fire Department.



**RIVERSIDE COUNTY FLOOD CONTROL** received a **25-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD** for collecting rainfall records from the Idyllwild Fire Department, CA. Tom Clem, observer, accepted the award from Diana Van Cor. Pictured from left to right are Ken Edwards, Chief Engineer; Don Grywood, Engineer; Diana Van Cor; and Tom Clem.

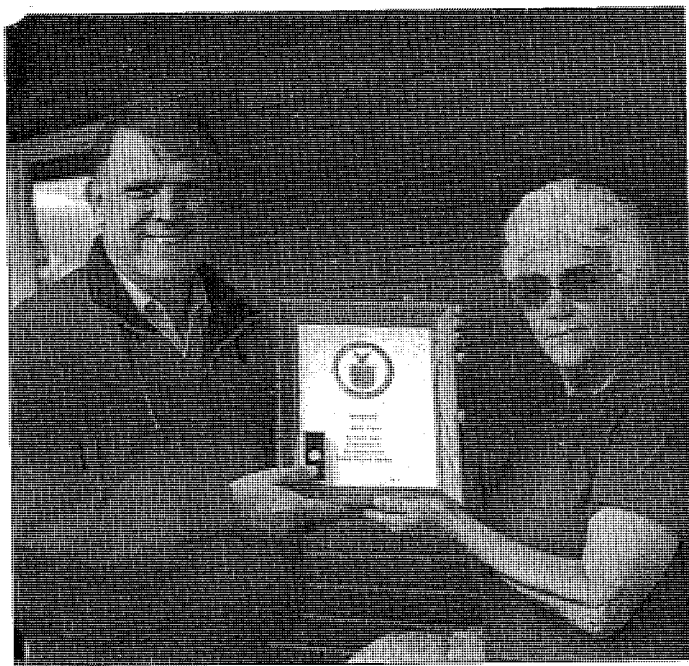
## WESTERN REGION



Dr. Gaylord Patton (left), the current observer, **THE UNIVERSITY OF CALIFORNIA AT POMONA**, was presented with a **25-YEAR LENGTH-OF-SERVICE AWARD**. To the right of Dr. Patton are Melinda Taylor, Administrative Coordinator; Diana Van Cor, presenting the award, and Daniel Hostetler, Department Chairman.



**MR. GEORGE MEYER** (left), observer, **IDAHO FALLS 16 SE**, received a **40-YEAR LENGTH-OF-SERVICE AWARD** from Dave Goens, (right), MIC/WSO Pocatello, ID. Mr. Meyer has previously received both the Holm and Jefferson Awards in recognition of his many years of outstanding service at his family ranch near Bone, ID.



**MRS. BETH R. JONES, MALTA, ID**, received a **30-YEAR LENGTH-OF-SERVICE AWARD** from Bob Glado, DAPM WSO Pocatello. Mrs. Jones began taking observations at her ranch near Strevell, about 20 miles south of Malta. When she and her husband, Harold, moved closer to town, the weather station was moved with them.

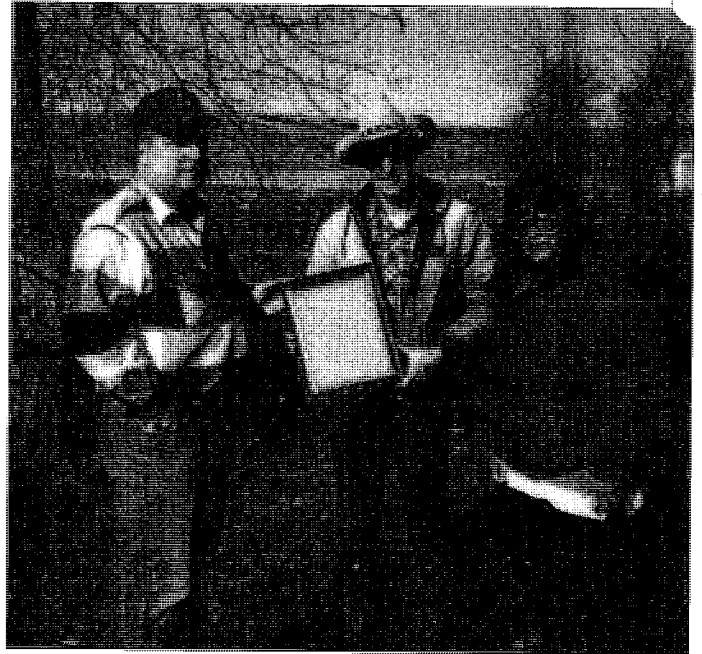


Rock Holbrook, Superintendent, **UTAH POWER AND LIGHT LIFTON PUMPING STATION, ST. CHARLES, ID**, accepted a **75-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD** on behalf of the company. Pictured from left to right: Bob Glado, Mr. Holbrook, and Bruce Bauck, Warning and Coordination Meteorologist, WSO Pocatello.

## WESTERN REGION



**JACK (right) AND LORENE DAVIS, LIVINGSTON, MT,** received a **30-YEAR LENGTH-OF-SERVICE AWARD**. The award was presented by Ed Kurdy (center), CPM, and Charlotte Camp, Service Hydrologist, WSFO Great Falls.



**HUGH HASTINGS (center),** observer, **ULM, MT,** was presented a **25-YEAR LENGTH-OF-SERVICE AWARD**. Pictured with Mr. Hastings is his wife Alana. The award was presented by Ed Kurdy (left) and Charlotte Camp.

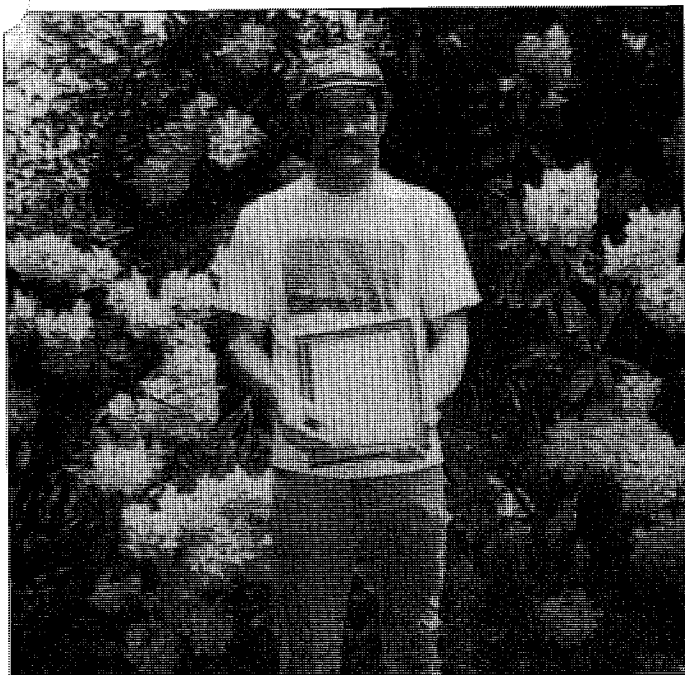


**JERRY M. LINDBERG (left),** observer, **LEDGER, MT,** was presented a **25-YEAR LENGTH-OF-SERVICE AWARD**. Ed Kurdy (right) and Charlotte Camp presented the award.



**ARNOLD SORENSON (center),** observer, **KREMLIN, MT,** was presented a **20-YEAR LENGTH-OF-SERVICE AWARD**. Charlotte Camp (right) and Ed Kurdy (left) presented the award.

## WESTERN REGION



**RAYMOND E. WALKER, MAPLETON, OR**, was presented with a **20-YEAR LENGTH-OF-SERVICE AWARD**. He records precipitation at the **MAPLETON 2 NNW** station.



**MRS. NOLA PERRY, CLEARBROOK, WA**, received two length-of-service awards. First, Mrs. Perry has been personally taking observations for **15-YEARS**. Secondly, the Perry family has operated the weather station from their family farm for the past **75-YEARS**. Mrs. Perry is pictured accepting the awards from Chris Hill, AM Washington state.

### OTHER AWARDS PRESENTED IN THE WESTERN REGION

Years	Observer	Station	State
15	Dennis Hunke	Termo 1 E	CA
15	Bonnie W. Beary	Hardin 3 E	MT
15	Mel Hoge	Iliad	MT
15	William Jones (deceased)	Swift Dam	MT
15	Edwina L. Knowles	Neihart 8 NNW	MT
15	Malvin Merja	Sun River 4 S	MT
15	Raymond Nitz	Hingham 11 N	MT
15	Marvin and Anne Grassl	Connell 12 SE	WA
10	Violet Anderson	Augusta	MT
10	Roger Williams	Virginia City	MT

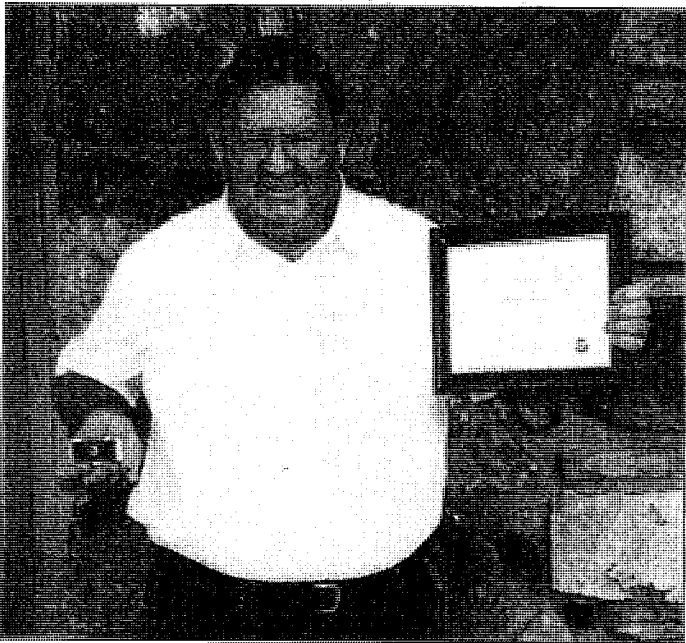
## SOUTHERN REGION



A **25-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD** was presented to **AUBURN UNIVERSITY EXPERIMENTAL STATION, FAIRHOPE, AL**. The award was presented by Roger Getz (right), MIC/AUB to Emmett Garden (center), Superintendent of the Gulf Coast Station and Dr. David Teem (left), Associate Director of the Alabama Agricultural Experimental Stations.



**MR. PIERCE REEDER**, left, was presented his **35-YEAR LENGTH-OF-SERVICE CERTIFICATE AND PIN** by Jimmy Russell HMT/LZK, right, and Michael Asmus CPM/T LZK. The award was presented at his home in **LEOLA, AR**, where he has been Mayor for 38 years.



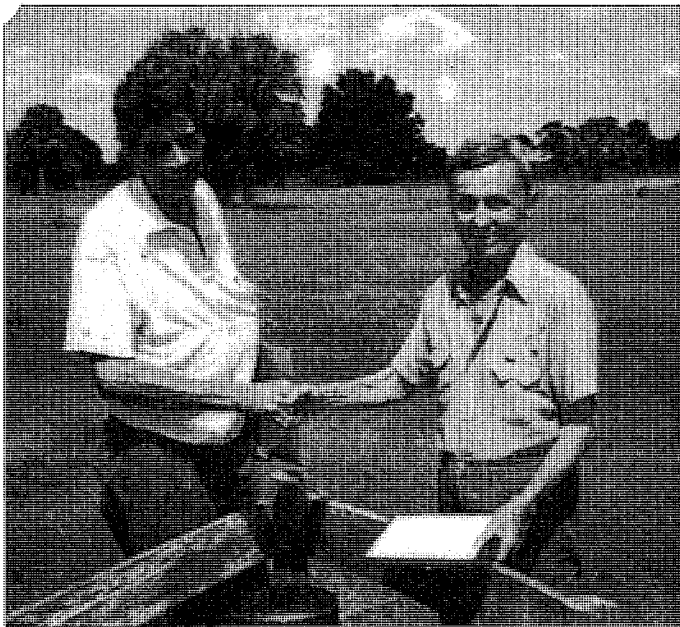
**MR. AARON WHITE**, observer, **DUMAS, AR**, was recently presented a **SPECIAL SERVICE AWARD**. For nearly 15 years, Mr. White volunteered his services. Presentation was made by Edward J. Pasierb, HMT/LZK.



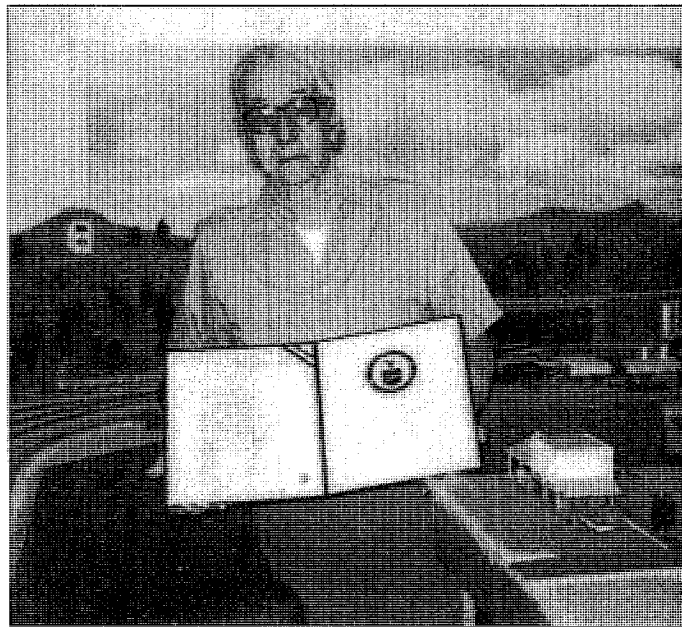
**CHARLES KELLY**, observer, **TALLAHASSEE, FL**, was presented a **35-YEAR LENGTH-OF-SERVICE AWARD** by Mike Visc, DAPM WSFO Tallahassee.



## SOUTHERN REGION



**MR. JACK SKIPPER**, 83-year-old observer, **DESOTO CITY, FL**, was presented a **25-YEAR LENGTH-OF-SERVICE AWARD** from Mr. Richard Kamp CPM/HMT NWS Tampa Bay Area, Ruskin, Fl. The Desoto City Coop station has been in existence since 1925 and the Skipper family has been providing data for the past 40 years.



**MR. WILLIAM A. SELLERS**, observer, **GAINESVILLE, GA**, received his **30-YEAR LENGTH-OF-SERVICE AWARD**. Mr. Sellers has been taking observations at this site since June 1, 1965. Mr. Sellers is retired from the railroad which may explain his hobby, model railroads.



**CLETA MAE FORTNER**, observer, **DAHLONEGA, GA**, was presented a **25-YEAR LENGTH-OF-SERVICE AWARD** by Don Silva, CPM/T, Atlanta, GA.



**WILLIAM H. BROACH**, observer, **MONROE DARDC, GA**, was presented a **15-YEAR LENGTH-OF-SERVICE AWARD**. Presentation was made by Don Silva.

## SOUTHERN REGION



**MRS. MAMIE G. DUNSTON** (left), observer, **AMERICUS 3 SW, GA**, was presented a **15-YEAR LENGTH-OF-SERVICE AWARD**. Presentation was made by Don Silva (right).



**FOLKSTON 3 SW** was presented a **25-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD**. Pictured left to right are: Pete Keecan, HMT, Mike McAllister, DAPM, Danny Maddox, GA, Forestry Commission, and Tom Clark, CPM/T.



**MR. ESTES BOZEMAN** (right), observer, **WINNFIELD, LA**, received a **40-YEAR LENGTH-OF-SERVICE AWARD**. Mr. Lee Harrison (left), MIC, SHV presented the award and was assisted by Steven Griffin, CPM/T, SHV. Attending the ceremony was Bob Holeman, Winn Parish Enterprise.



**MR. DON WHEELER, JR**, observer, **STERLINGTON 2, LA**, was presented a **10-YEAR LENGTH-OF-SERVICE AWARD**.

## SOUTHERN REGION



**MR. LAWRENCE POPE**, observer, **COLLINS, MS**, is shown accepting the **LANDSBERG AWARD** in addition to the prestigious **JOHN CAMPANIUS HOLM AWARD**. The awards were presented by Dr. Harry Hassel, Director, SRH, Fort Worth, TX, at an Open House in Jackson, MS. Mr. Pope's wife, Mildred, and several family members attended. Others participating in the presentation were Charlie Smith, HMT, Jackson, MS, and Larry Arnold, CPM/T, Jackson.



**MR. BÜEL RUSSEL**, observer, **MONTICELLO, MS**, was recently awarded the **JOHN CAMPANIUS HOLM AWARD**. Mr. Russell is a local businessman. He has taken the readings for over 35 years. We appreciate Mr. Russel for his diligent and conscientious weather readings. Pictured left to right are: Charlie Smith and Mr. Russel. Larry Arnold is not pictured.



A **45-YEAR LENGTH-OF-SERVICE AWARD** was presented to **WILLIAM H. COLE** (center), **PHILADELPHIA, MS**. The award was presented at the Open House, WSFO, Jackson, MS. Russel Pfof (right), JAN/MS presented the award. Mrs. Cole (left) is pictured with her husband.



A **40-YEAR LENGTH-OF-SERVICE AWARD** was presented to **HARRY C. BRANNON**, **SUMRALL, MS**. The award was presented at a Spotter Training Course at Hattiesburg by Charlie Smith, HMT/Jackson. Also attending were Jim Butch, WC/JAN and Larry Arnold along with approximately 50 citizens of the county.

## SOUTHERN REGION



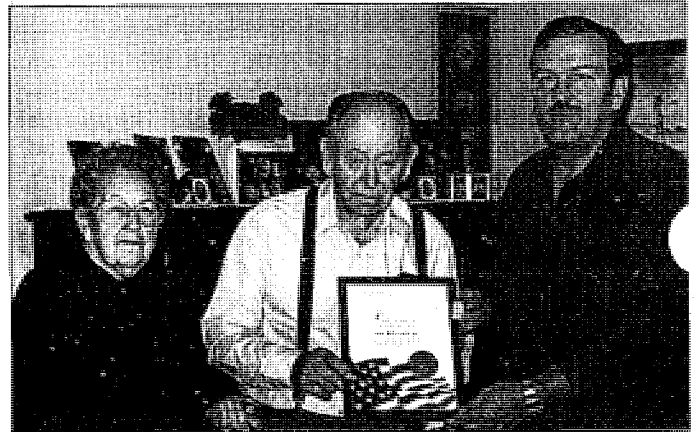
**HUGH SPITCHLEY, ROCKPORT, MS,** is shown here receiving his **20-YEAR LENGTH-OF-SERVICE AWARD** from Colleen Rhey, HMT, Jackson. Photo taken by Larry Arnold.



**MR. T.L. WHITE, ASHLAND 2 SW, MS,** received his **20-YEAR LENGTH-OF-SERVICE AWARD**. Larry Arnold presented the award.



**WILBURT EASOM (center), COLLINSVILLE 7 SE, MS,** was presented his **15-YEAR LENGTH-OF-SERVICE AWARD** by Larry Arnold (left) and Maxie Brown (right), OIC Meridian.



**MR. AND MRS. JACK FRONABARGER, observers, STANLEY, NM,** received a **40-YEAR LENGTH-OF-SERVICE AWARD**. Joseph Alfieri, CPM/T, ABQ, presented the award.



A **40-YEAR LENGTH-OF-SERVICE AWARD** was presented to **ROY SCHOENRADT (right), observer, HILLSBORO, NM.** Presentation was made by Joseph Alfieri (left).



A **40-YEAR LENGTH-OF-SERVICE AWARD** was presented to **ERNEST H. MUNCRIEF (right), MARLOW, OK.** Denn McCarthy (left), MIC, Norman, OK, made the presentation. Beverly Reese, DAPM/OUN.

## SOUTHERN REGION



**MR. ERMON WEST** (center), observer, **PURCELL, OK**, was presented a **35-YEAR LENGTH-OF-SERVICE AWARD**. Presentation made by Johnny Roberts (left) HMT OUN and Mr. Dennis McCarthy (right).



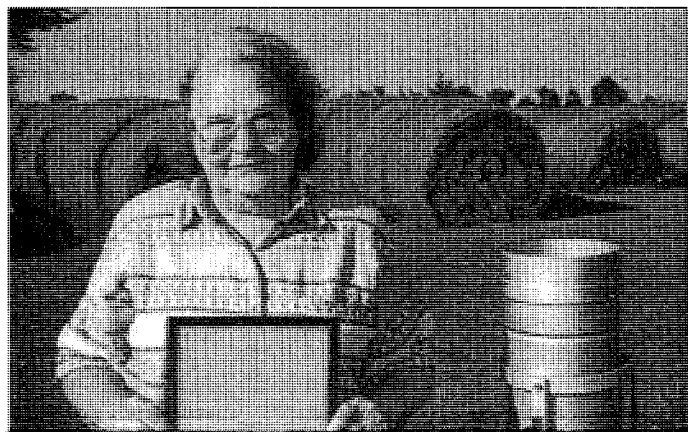
A **30-YEAR LENGTH-OF-SERVICE AWARD** was presented to **BONNIE JANTZ, HELENA, OK**, by Alton Abernathy HMT, OUN.



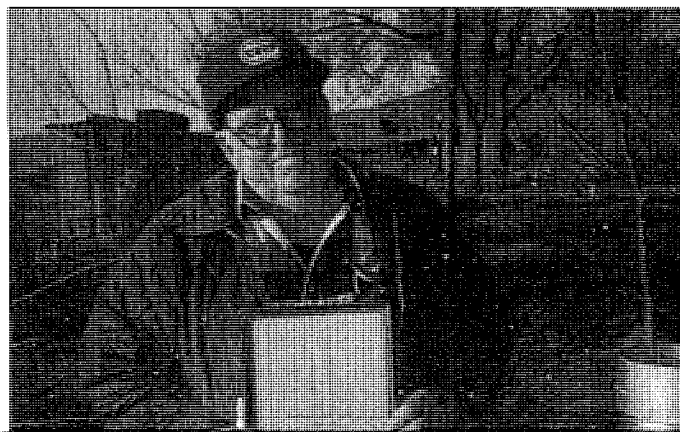
**MR. REX L. WALL, WILLOW, OK**, received his **30-YEAR LENGTH-OF-SERVICE AWARD** and **PIN**. Presentation was made by Carl B. Wilkins, HMT, Norman, OK.



A **25-YEAR LENGTH-OF-SERVICE AWARD** was presented to **LEROY PATTON, AMES, OK**, by Forrest Mitchell, HMT, OUN.



**MRS. ETHEL R. ROBERSON**, observer, **STROUD, OK**, received a **25-YEAR LENGTH-OF-SERVICE AWARD** from Al Abernathy.



**CALVIN HAMMON, HARDY 2 S, OK**, was presented a **20-YEAR LENGTH-OF-SERVICE AWARD**. Presentation was made by Al Abernathy.

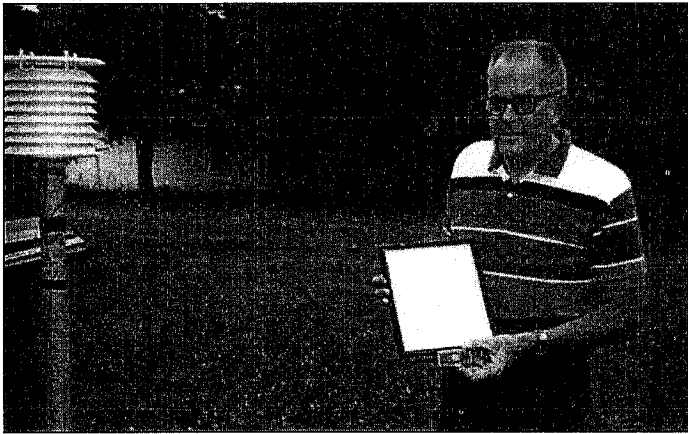
## SOUTHERN REGION



A **20-YEAR LENGTH-OF-SERVICE AWARD** was presented to **VICTOR KOEHN** (right), **OKEENE, OK**, by Al Abernathy (left).



**JON R. HISE** (right), observer, **GEARY, OK**, received a **15-YEAR LENGTH-OF-SERVICE AWARD**. Al Abernathy (left) made the presentation.



**MR. MORRIS POE**, observer, **ADA STATION, OK**, was presented a **15-YEAR LENGTH-OF-SERVICE AWARD**.



**MR. HUGH J. MOSER** (center), observer, **JEFFERSON CITY, TN**, received a **40-YEAR LENGTH-OF-SERVICE AWARD** during the dedication/open house ceremonies at MRX in Morristown, TN. Mr. Moser was introduced by Harry Hassel, Southern Region Director and was presented the award by Congressman Van Hilleary. Also pictured are Craig A. Carpenter (left) DAPM/MRX and Gregory R. Cole (right) HMT/MRX.



**MR. LELAND BRADLY, LANCASTER, TN**, received his **20-YEAR LENGTH-OF-SERVICE AWARD**. Mr. Bradley is a semi-retired farmer along the beautiful Caney Fork River in Middle Tennessee, east of Nashville. Award presented by HMT's Ralph Troutman (left) and Earl King (right). Photo by Thom Stenman; CPM, OLD Hickory, TN.

## SOUTHERN REGION



**MR. ELMER SMITH, STATESVILLE, TN,** received his **15-YEAR LENGTH-OF-SERVICE AWARD.** Award presented by Thom Stenman. Photo by Ralph Troutman.



**BILL CORN, MONTEREY, TN,** received his **10-YEAR LENGTH-OF-SERVICE AWARD.** Thom Stenman presented Mr. Corn with the award.

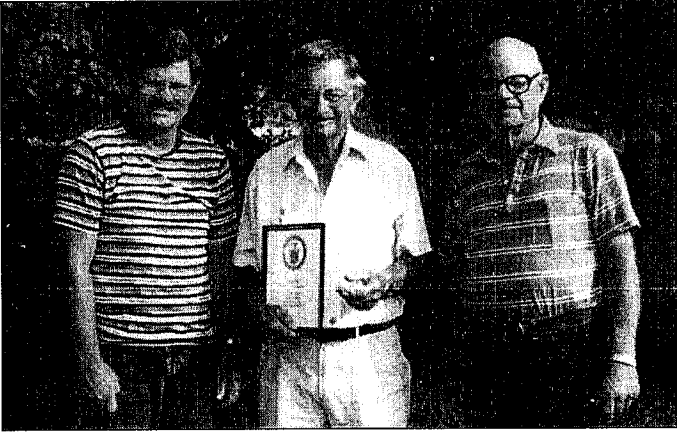


**MR. ROY TRAYLOR,** observer, **MATAGORDA, TX,** was presented the **ALBERT J. MYER AWARD** for over 65 years service. Mr. Traylor, the Dean of Texas weather observers, started taking observations in Matagorda on May 1, 1926. Pictured left to right are Tom Fountain, HMT/HGX, Mr. Traylor, Robert Manning, Chief/RCP SRH, and Don Oettinger, DAPM/HGX.



A **35-YEAR LENGTH-OF-SERVICE AWARD** was presented to **MR. CLAY E. MILLER,** observer, **VALENTINE 10 WSW, TX.** The award was presented by Mr. Max Blood, MIC, WSO El Paso and Michael Wrinkle, HMT, WSO Midland. Also present were Mr. George Matthews, WCM, WSO Midland and T.J. Turnage, Forecaster, WSO Midland.

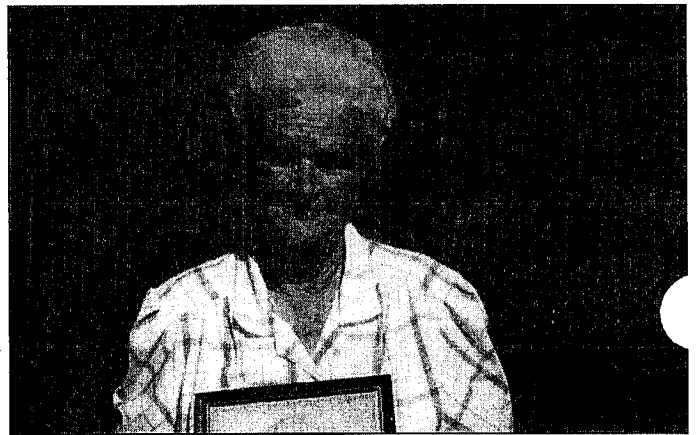
## SOUTHERN REGION



**W. H. GOLDWIRE** (center), observer, **SANDERSTON 5 NNW, TX**, received a **30-YEAR LENGTH-OF-SERVICE AWARD**. Pictured with Mr. Goldwire are Chuck Megee (right), CPM/T, LBB and Michael Wrinkle (left), HMT/LBB. Mrs. Goldwire was also present.



**MR. AND MRS. WILLIAM R. SCHLABS**, **SCOTLAND, TX**, received a **30-YEAR LENGTH-OF-SERVICE AWARD** and **PIN**.



**RUBY COATS**, observer, **ELECTRA, TX**, was presented a **25-YEAR LENGTH-OF-SERVICE AWARD**.



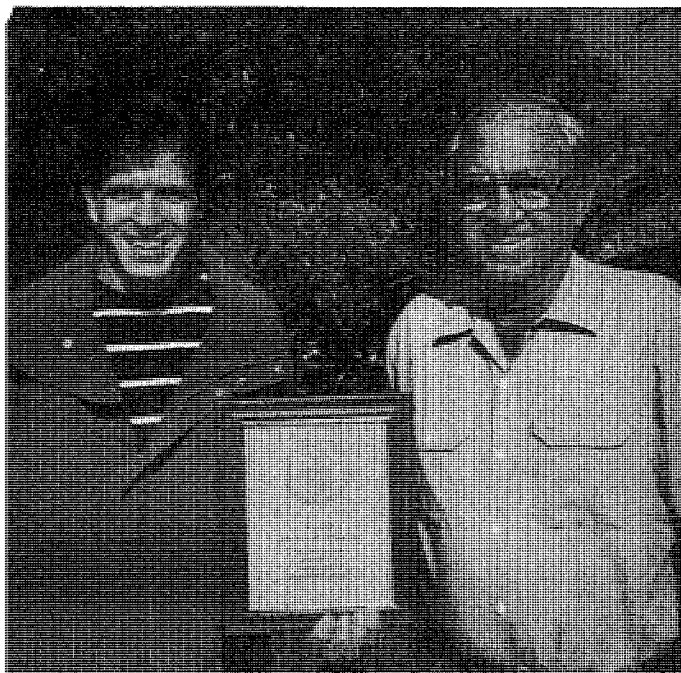
**ZONELLE JACKSON**, **SEYMOUR, TX**, was presented a **25-YEAR LENGTH-OF-SERVICE AWARD**.



**MILTON NEIE**, observer, **RIO GRANDE CITY, TX**, was presented a **25-YEAR LENGTH-OF-SERVICE AWARD** by **Ji Campbell**, DAPM/Brownsville, TX. Pictured with Mr. Neie are his wife and grandchildren.



## SOUTHERN REGION



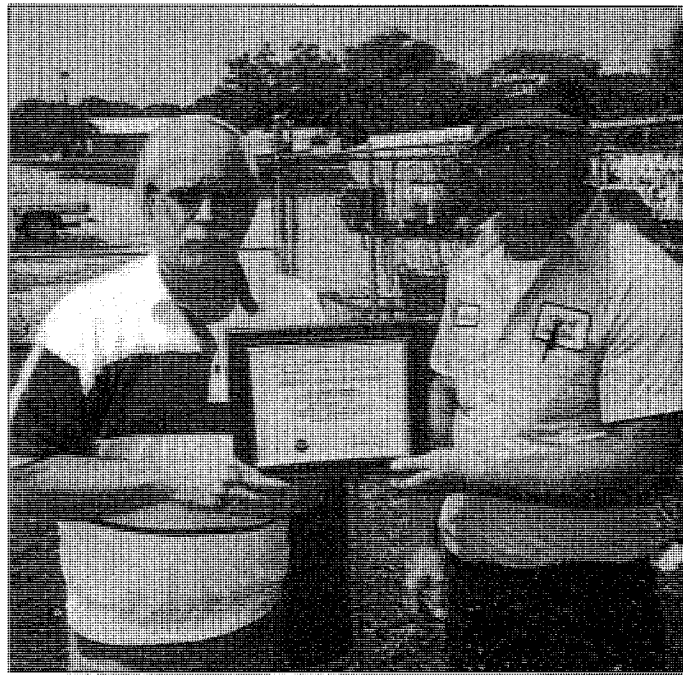
**MR. JACK E. THOMPSON** (right), observer, **TROY, TX**, was presented a **25-YEAR LENGTH-OF-SERVICE AWARD**. Presentation made by Alan Starnes, CPM, Waco, TX, and Matt Zika (left), Meteorologist, Waco, TX.



**LARRY ROTHBAUER** (left), observer, **HALLETTSVILLE 2 N, TX**, was presented a **20-YEAR LENGTH-OF-SERVICE AWARD**. Presentation was made by Joe Baskin, HMT, WSFO Austin/New Braunfels.



**MR. AND MRS. ROBERT MCGEE**, **NEW SUMMERFIELD 2 W, TX**, was presented a **10-YEAR LENGTH-OF-SERVICE AWARD**.

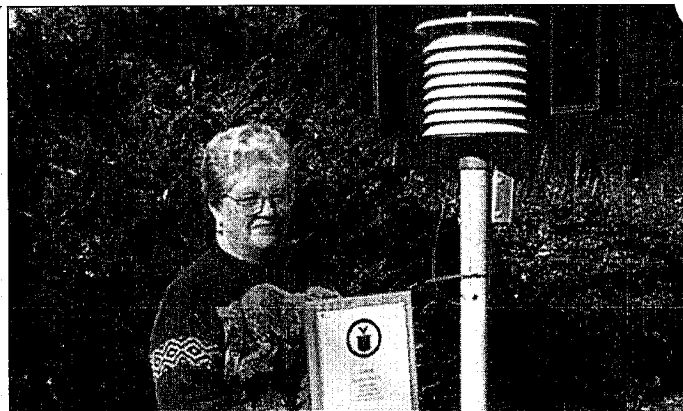


**CITY OF SAN SABA, TX**, was presented a **25-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD**. Award was presented to Buddy Whitley (right), City of San Saba Water Department by Alan Starnes (left). Also assisting in the presentation was Walt Livingston, HMT/Fort Worth, TX.

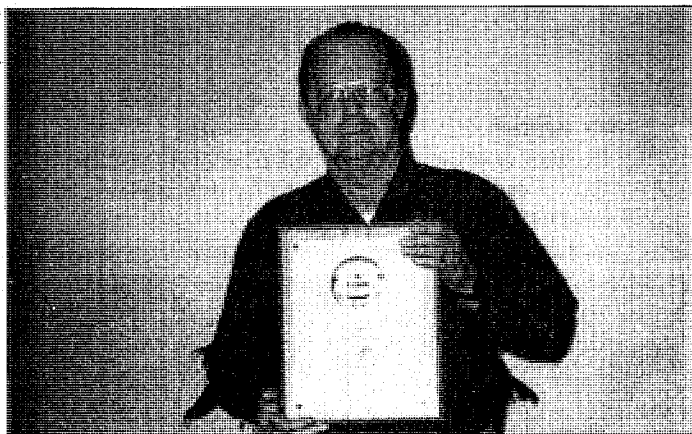
## EASTERN REGION



**MS. BEA J. CROSCO**, observer, **OAKLAND, MD**, was presented with a **10-YEAR LENGTH-OF-SERVICE AWARD**. James Smith, Hydrometeorological Technician, Sterling, VA, made the presentation.



**MS. SANDRA HASTINGS**, observer, **MECHANICSVILLE, MD**, was presented with a **10-YEAR LENGTH-OF-SERVICE AWARD**. Presentation was made by James Smith.



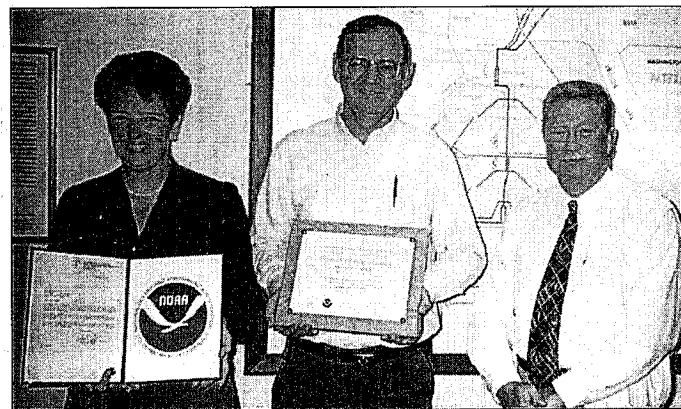
A **10-YEAR LENGTH-OF-SERVICE AWARD** was presented to **JAMES RASMUSSEN**, observer, **OWINGS, MD**. Presentation was made by James Smith.



**RAY BITTINGER**, observer, **SAVAGE RIVER DAM, SWANTON, MD**, was presented with a **SPECIAL SERVICE AWARD**. James Smith presented the award.

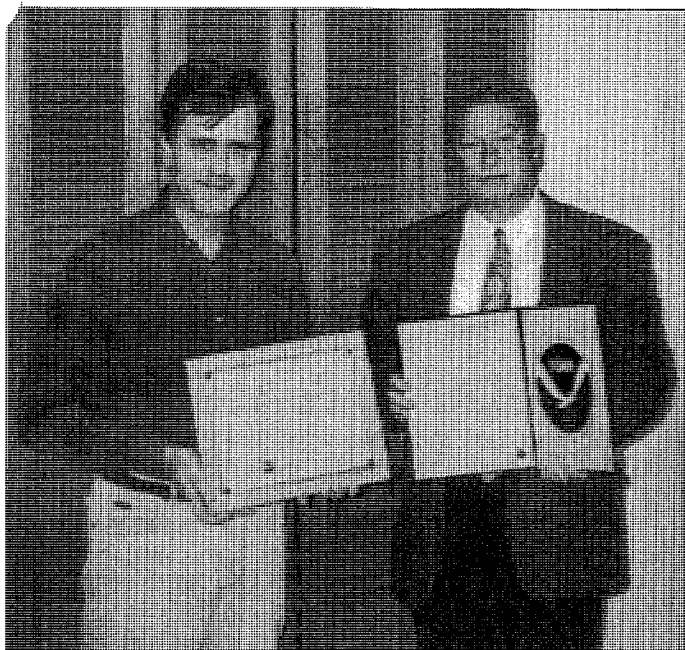


A **50-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD** was presented to **BRIGHTON DAM, BROOKVILLE, MD**. Bart Pitts, accepted the award which was presented by James Smith.

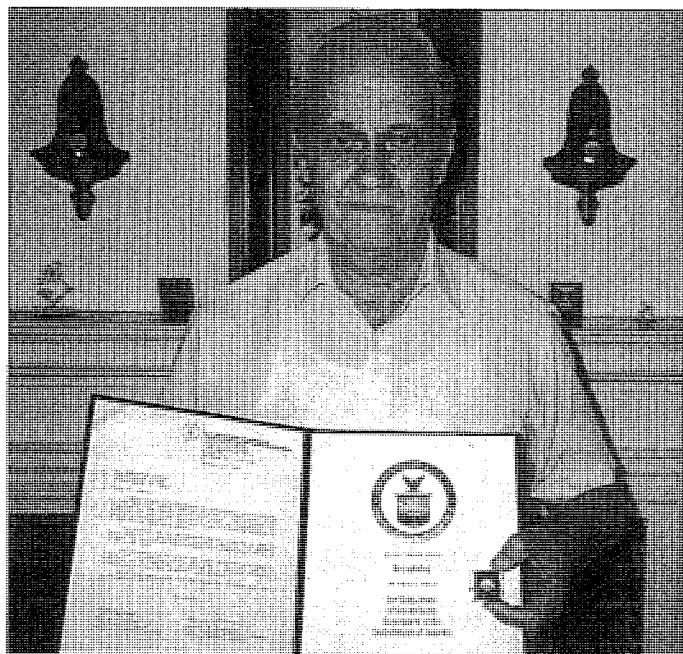


A **50-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD** was presented to the **PATUXENT FILTER PLANT WSSC, LAUREL, MD**. The award was accepted by Ms Brenda Ecker (left) and Tom Marks (center). James Smith (right) made the presentation.

## EASTERN REGION



A **25-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD** was presented to the **U.S. DEPARTMENT OF AGRICULTURE, BELTSVILLE, MD.** Tim Badger (left) accepted the award which was presented by James Smith (right).



**EDWARD A. HARRIS**, observer, **FRANKLINTON, NC**, was presented with a **30-YEAR LENGTH-OF-SERVICE AWARD.** Phil Duncan, Hydrometeorological Technician, Raleigh, NC, made the presentation.

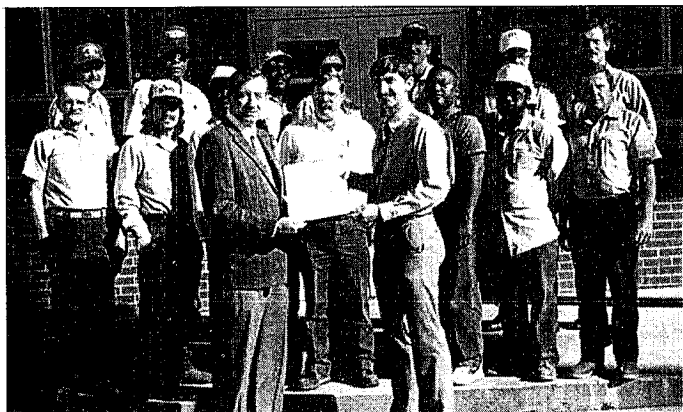


**JOSEPH C. MOORE**, observer, **MONROE, NC**, was presented with a **SPECIAL SERVICE AWARD** for **40-YEARS** of recording weather observations by the Moore family. Dr. Susan Zevin, former Regional Director, Eastern Region, made the presentation. Photo taken by Clara Gillentine, hydrometeorological Technician, Columbia, SC.

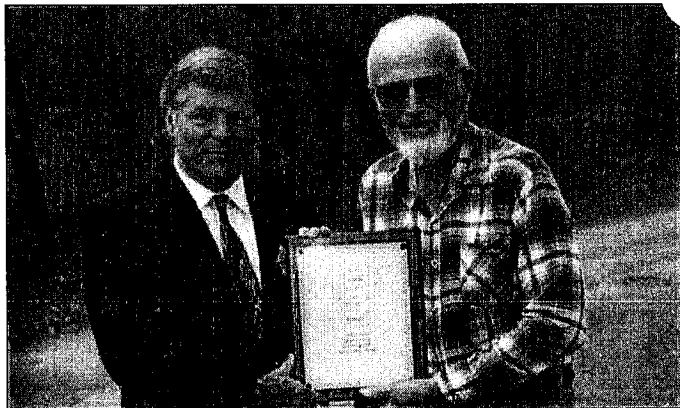


Cliff Strickland, **GREENVILLE UTILITIES, NC**, accepted a **25-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD** on behalf of the "Weather Crew" at the facility. Tom Kriehn, MIC, Morehead City, NC, made the presentation. Photo left to right: Randy Buck, Sharon Dautridge, Tom Kriehn, MIC, Cliff Strickland, Al Purdy, Hydrological Technician, Morehead City, Deborah Moneypenny, DAPM, Raleigh, NC, Bud Greer, Phil Duncan, and Central Wills, DAPM, Morehead City, NC

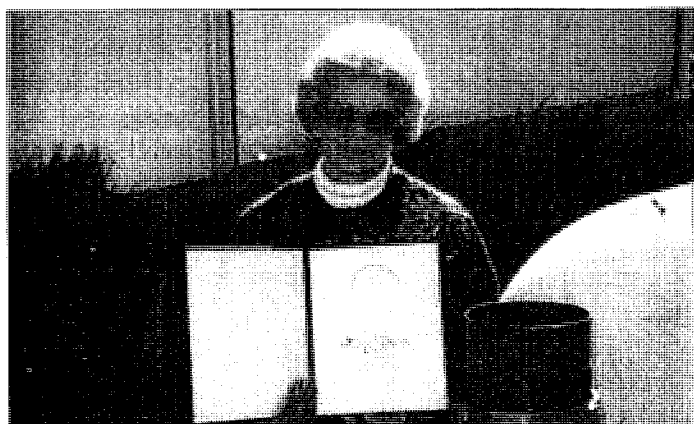
## EASTERN REGION



Tom Spain, Superintendent, **HENDERSON, NC, NUTBUSH TREATMENT PLANT** received a **25-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD** on behalf of the entire crew. Phil Duncan made the presentation.



Guy Tucker (left), Area Manager, **WSFO/Buffalo, NY**, is shown presenting a **50-YEAR EDWARD H. STOLL AWARD** to **ROGER TRUMP** (right), observer, **WESTFIELD, NY**. Photo by Tom Schmidt, Hydrometeorological Technician, Buffalo, NY.



**MS. WILMA PRIODE**, observer, **COOPERDALE, OH**, received a **40-YEAR LENGTH-OF-SERVICE AWARD** from Don Hughes, Hydrometeorological Technician, Wilmington, OH.



**ELLIS MEADOWS** (right), observer, **MCCONNELLSVILLE LOCK 7, OH**, was presented a **15-YEAR LENGTH-OF-SERVICE AWARD** by Randall Hatfield (left), Hydrometeorological Technician, Charleston, WV.



The **HELMUT E. LANDSBERG AWARD (60 YEARS)** was awarded posthumously to the family of James C. Faris, Jr., observer at **CATAWBA, SC**. Friends and family gathered at Winthrop University in Rock Hill, SC, to pay tribute to Mr. Faris. Theodore W. Wilk (left), chief, System Operations Division, NWS Eastern Region Headquarters, Bohemia, NY, presented the award to James Faris' brother, Joe (right).

Mr. Faris had received many awards. Those awards included the John Campanius Holm Award in 1965 for outstanding accomplishment in meteorological observations and the Edward H. Stoll Award in 1984 at the completion of 50 years of service. The weather station will be carried on by another member of the family, Joe Faris Jr.

Arrangements for presentation of the award was made Clara Gillentine. Photo taken by Joe Nichols, Winthro, University.

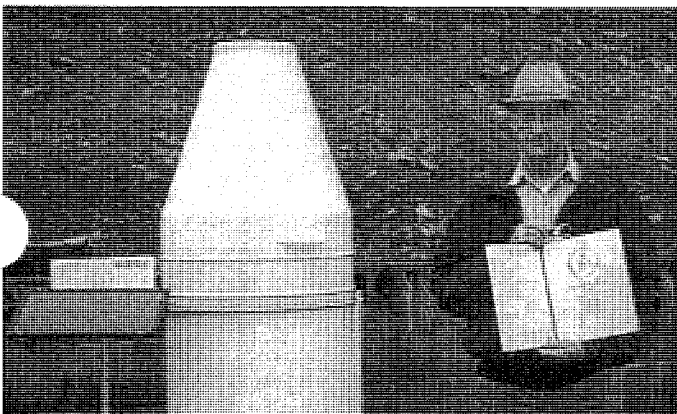
## EASTERN REGION



A **20-YEAR LENGTH-OF-SERVICE AWARD** was presented to **ED MCMAKIN**, observer, **CLEVELAND, SC**. Clara Gillentine presented the award.



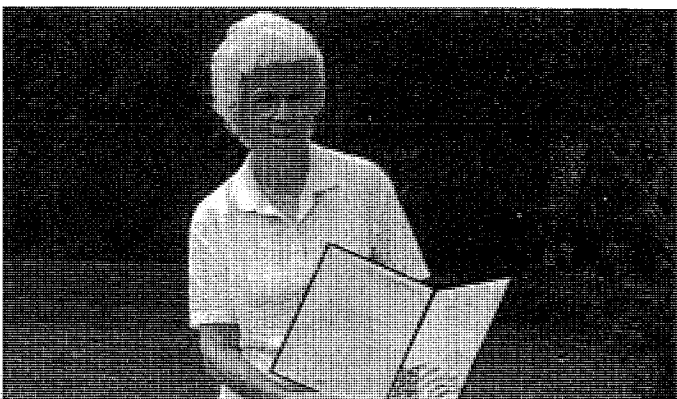
**MR. AND MRS. RALPH B. RENTZ**, observers, **BEAUFORT, SC**, were presented with a **20-YEAR LENGTH-OF-SERVICE AWARD**. Presentation was made by Clara Gillentine.



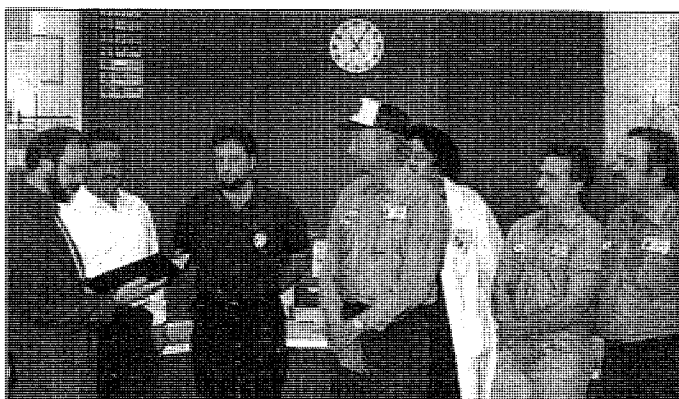
**JOHN H. LESTER**, observer, **HURLEY, VA**, was presented with a **10-YEAR LENGTH-OF-SERVICE AWARD**. The observing program has been in his family for the past 25 years. The presentation was made by Marshall Monroe, Hydrometeorological Technician, Charleston, WV.



Harry McIntosh (right), former MIC/Roanoke, VA, presented a **10-YEAR LENGTH-OF-SERVICE AWARD** to **DALLAS AND MARY ROSS**, observers, **NEWPORT, VA**.



**MS VIOLET P. WEBB**, observer, **ALLISONIA, VA**, was presented with a **10-YEAR LENGTH-OF-SERVICE AWARD**. David Keller, former CPM/Charleston, WV, made the presentation.



Buddy Haines (center) with his staff at the **CLARKSBURG WATER BOARD, CLARKSBURG, WV**, received a **75-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD** from Alan Rezek (left) MIC, WSFO/Charleston, WV. Photo taken by David Keller.

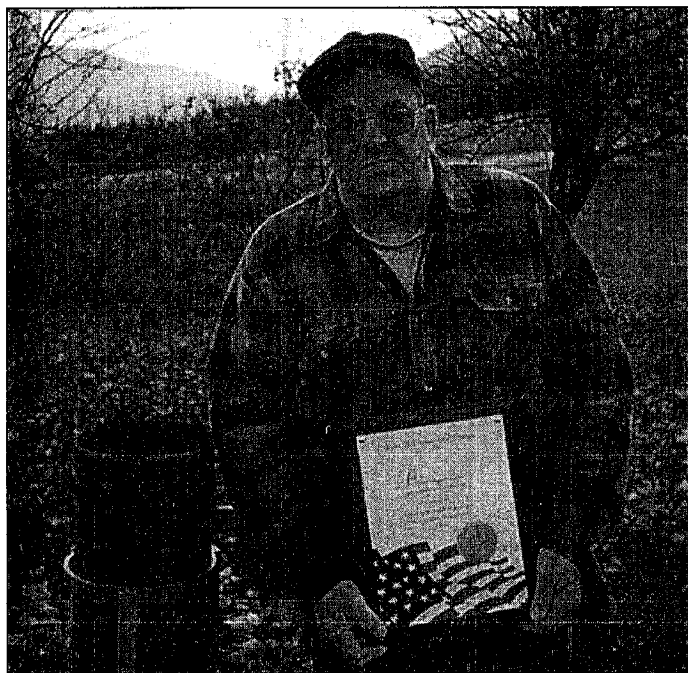
## EASTERN REGION



A **25-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD** was presented to the **BRISTOL VIRGINIA WATER PLANT, ABINGDON, VA**. The award was accepted by Roby Billings (right). Marshall Monroe (left), Hydrometeorological Technician, Charleston, WV, made the presentation.



A **25-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD** was presented to the **U.S. CORPS OF ENGINEERS, JOHN FLANNAGAN LAKE, CLINTWOOD, VA**. Harold Miller (right), Resource Manager, accepted the award which was presented by Randall Hatfield (left).

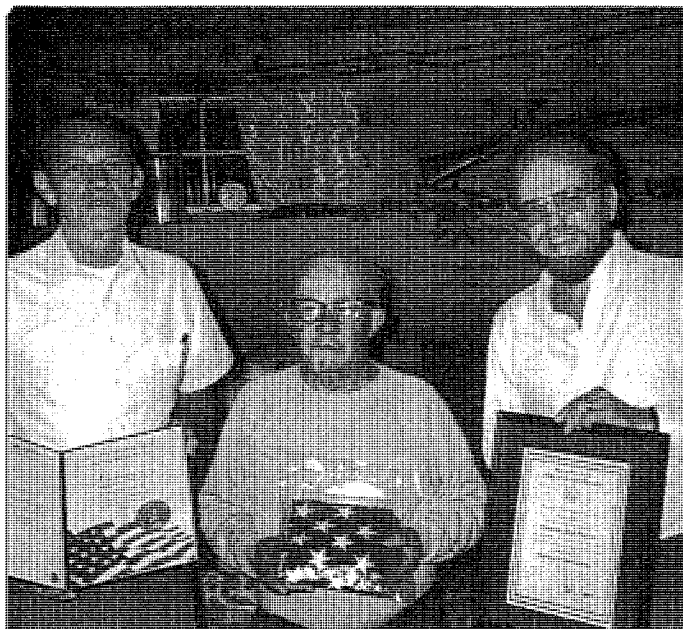


**GERALD COREY**, observer, **DANBY FOUR CORNERS, VT**, received his **25-YEAR LENGTH-OF-SERVICE AWARD**. Photo taken by Mrs. Corey.

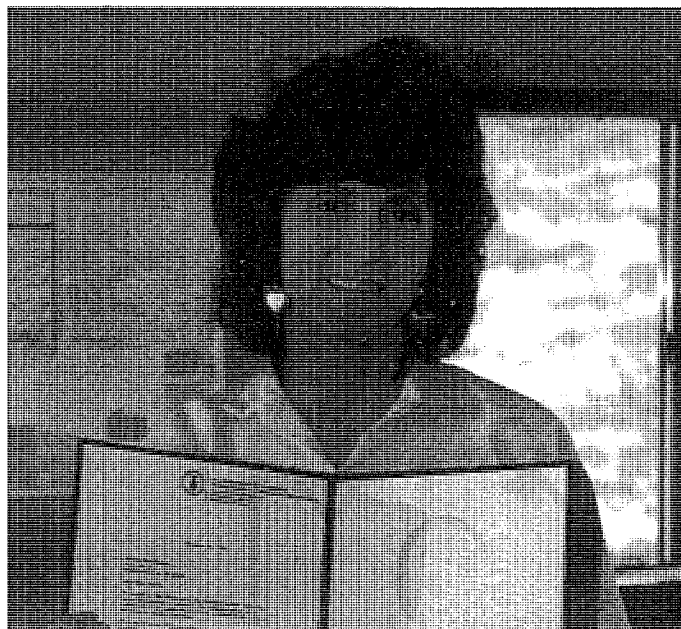


**ZELLA VETTER** (center), observer, **MOOREFIELD, WV**, was presented the **JOHN CAMPANIUS HOLM AWARD**. One of only 25 given each year for outstanding cooperative observers. The award was presented by Mayor, T. Lamar Sagar (right). Trina Heiser (left) and James Smith made arrangements for presentation of this award. Photo taken by James Smith.

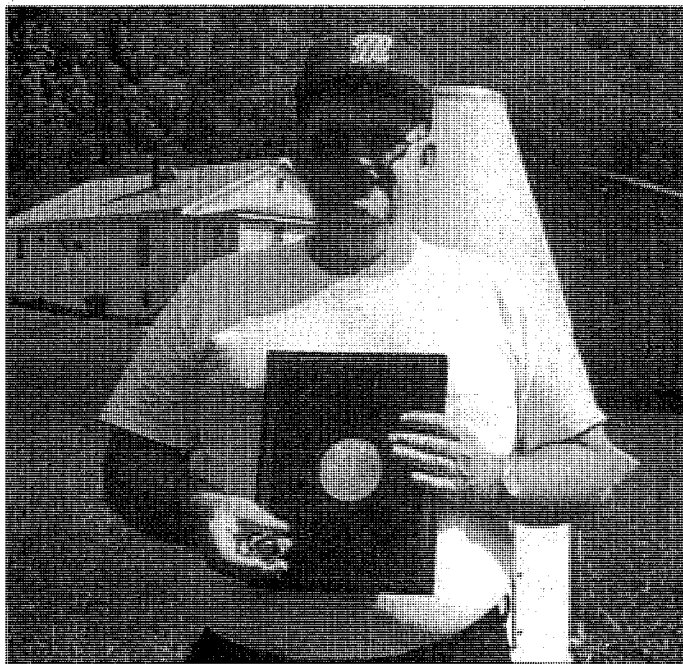
## EASTERN REGION



**OMER SMITH** (center), observer, **DAILEY, WV**, was presented with a **30-YEAR LENGTH-OF-SERVICE AWARD** from Marvin Hill (left), former OIC Elkins, WV. Ken Batty (right), Lead Forecaster, Charleston, WV, presented Mr. Smith with a Distinguished West Virginia Award. Photo taken by Randall Hatfield.



A **25-YEAR LENGTH-OF-SERVICE AWARD** was presented to **MS. JESSIE MAE CHEEKS**, observer, **GRIFFITHSVILLE, WV**. Randall Hatfield made the presentation.

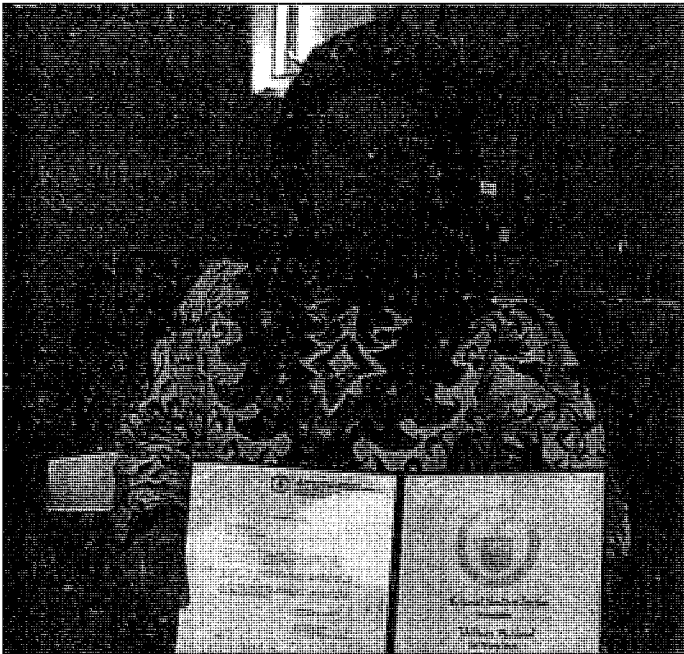


**CHARLES B. JARRELL**, observer, **DRY CREEK, WV**, was presented with a **20-YEAR LENGTH-OF-SERVICE AWARD**. Mr. Jarrell's observations are used daily by the forecast center in Charleston, WV, in the prediction of flooding potential or the southern West Virginia coal fields. Presentation was made by Randall Hatfield.



A **20-YEAR LENGTH-OF-SERVICE AWARD** was presented to **MRS. FANNIE B. JUSTICE**, observer, **DINGESS, WV**. Mrs. Justice is a retired school teacher. She enjoys playing the piano, creating works of art with oil and canvas, and quilting. Randall Hatfield made the presentation.

## EASTERN REGION



**WILLIAM B. MCCLLOUD**, observer, **BRANCLAND, WV**, was presented with a **20-YEAR LENGTH-OF-SERVICE AWARD**. Accepting the award is his wife, Carolyn. Randall Hatfield made the presentation.



A **20-YEAR LENGTH-OF-SERVICE AWARD** and **GOVERNOR'S AWARD** was presented to **MS. BETTY THOMPSON**, observer, **GLADY, WV**. Ken Batty, Lead Forecaster, Charleston, WV, made the presentation. Photo by David Keller.



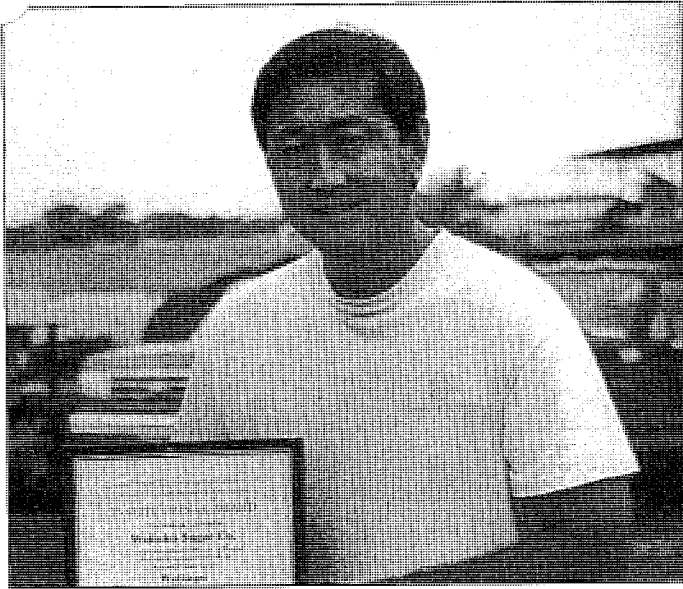
A **50-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD** was presented to **ATHENS CONCORD COLLEGE, ATHENS, WV**. The award was accepted by Joe Manzo, current observer and Raymond Hill, retired observer. Presentation was made by James Campbell, DAPM, Charleston, WV. Photo left to right: Joe Manzo, Raymond Hill, Randall Hatfield, and James Campbell. Photo taken by Marshall Monroe.



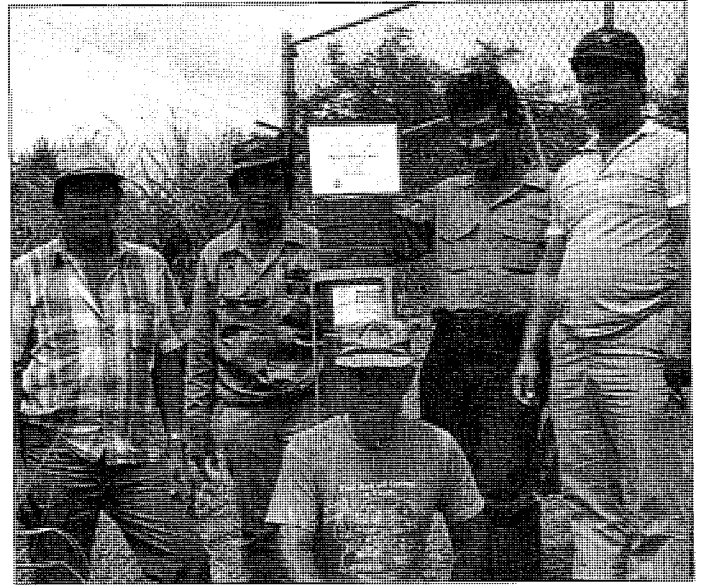
A **25-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD** was presented to **RACINE LOCKS AND DAM, LETART, WV**. Accepting the award are Ms. Margaret Dolly and Larry Circle. Presentation was made by Randall Hatfield.



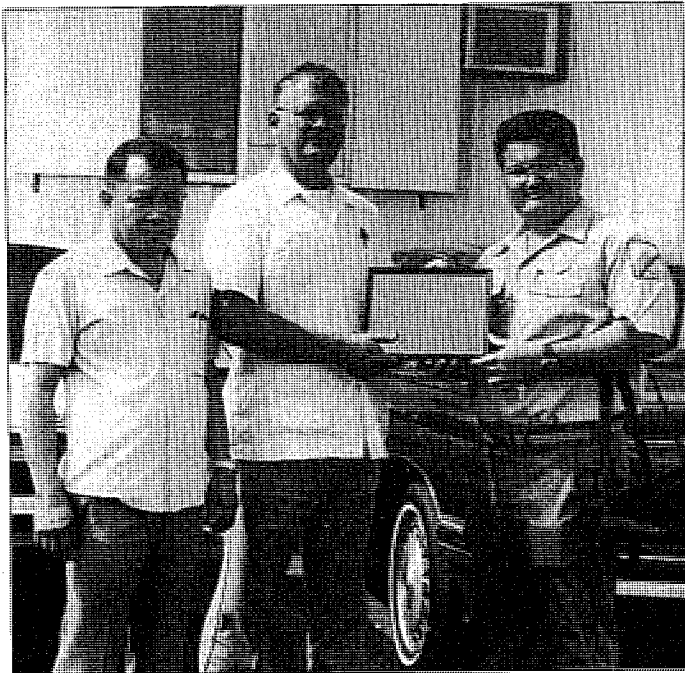
## PACIFIC REGION



A **100-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD** was presented to **WAILUKU AGRIBUSINESS CO., INC.** for continuous rainfall observations taken at station **WAIKAPU**. Accepting the award in behalf of the company is Patrick Sugai, cultivation superintendent.

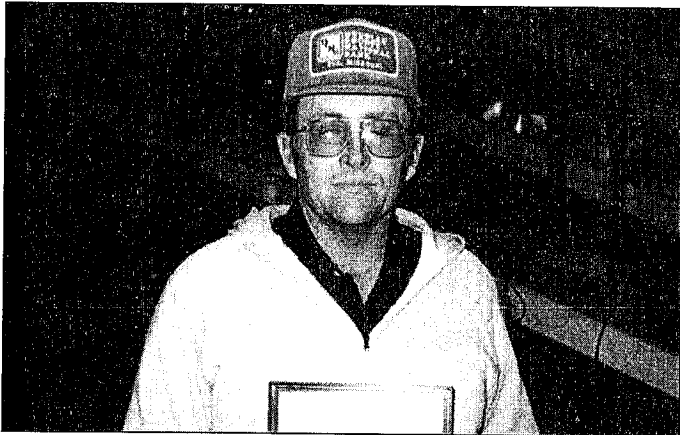


A **75-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD** was presented to **PIONEER MILL CO., LTD.** for continuous rainfall observations taken at station **WAHIKULI**. Accepting the award on behalf of the company are (left to right) Felix R. Cabanilla, Alfredo Maquedang, Guillermo M. Tamayo, Rudy Ramos, and Herbert Vierra (kneeling). Missing from the photo is Jose Cabanilla.



**FORESTRY AND SOIL RESOURCES DIVISION** on the island of Guam was awarded a **25-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD** for their rainfall observations taken at station **MANGILAO**. Receiving the award are left to right: Carlos Noquez, Chief, Forestry and Soil Resources; Michael Kuhlmann, Director of Agriculture; and David Limtiaco, Fire Protection Forester.

## CENTRAL REGION



**TERRY GAINES**, observer, **FLAGLER 2 NW, CO**, was presented a **25-YEAR LENGTH-OF-SERVICE AWARD** by Mike Elias, CPM/T, Goodland, KS.



**BILL RINGLE**, observer, **OROWAY 21 N, CO**, was presented a **15-YEAR LENGTH-OF-SERVICE AWARD** by Mike Elias.



When the former observer Mr. LeRoy Wasmund resigned half a century ago, because he was moving from a farm and could not take the instruments to a new location - his sister May assumed the duty on her nearby farm **MAPLETON NO 2, IA**.



**MR. ORVILLE AND MARY ALVERSON**, observers, **POPEJOY, IA**, was presented a **SPECIAL 45-YEAR LENGTH-OF-SERVICE AWARD** from Randy Settje, CPM/IA.

## CENTRAL REGION



**MR. GORDON SORENSEN**, observer, **GALVA, IA**, was presented a **30-YEAR LENGTH-OF-SERVICE AWARD**. Presentation was made by Randy Settje.



**MR. DONALD WILSON**, observer, **COLORADO, IA**, was presented a **SPECIAL 25-YEAR LENGTH-OF-SERVICE AWARD**. Randy Settje made the presentation.



**BRAD BRINKMAN** (right), observer, **LAKE PARK, IA**, receives a **20-YEAR LENGTH-OF-SERVICE AWARD** from Randy Settje.



**WARREN W. WILSON**, **RANDOLPH, IA**, recently completed 15 years of service as the official National Weather Service Cooperative Observer at Randolph. Mr. Wilson began his **15-YEAR** tenure on April 1, 1980.

## CENTRAL REGION



Randy Settje, left, presents **ROBERT PETERSEN**, observer, a **10-YEAR LENGTH-OF-SERVICE AWARD** for his service of recording precipitation for the NWS as Petersen's wife, Gayle, smiles her approval.



**FRED LISCHER**, observer, **NEW ATHENS, IL**, is shown with his **30-YEAR LENGTH-OF-SERVICE AWARD** and his son, Melvin (left). The award was presented by Bill Nelson, IL CPM (right) and Jack Burns, St. Louis hydrologist (not pictured).

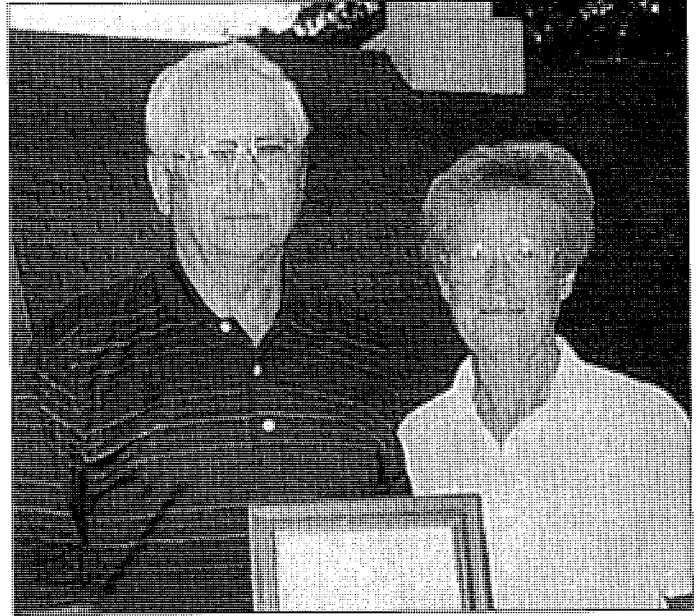


**HAROLD MARBURGER**, (left) observer, **MT. OLIVE, IL**, accepted his **30-YEAR LENGTH-OF-SERVICE AWARD** from Bill Nelson. Picture taken by Jack Burns. Harold enjoys calling in his rainfall reports from his family farm.

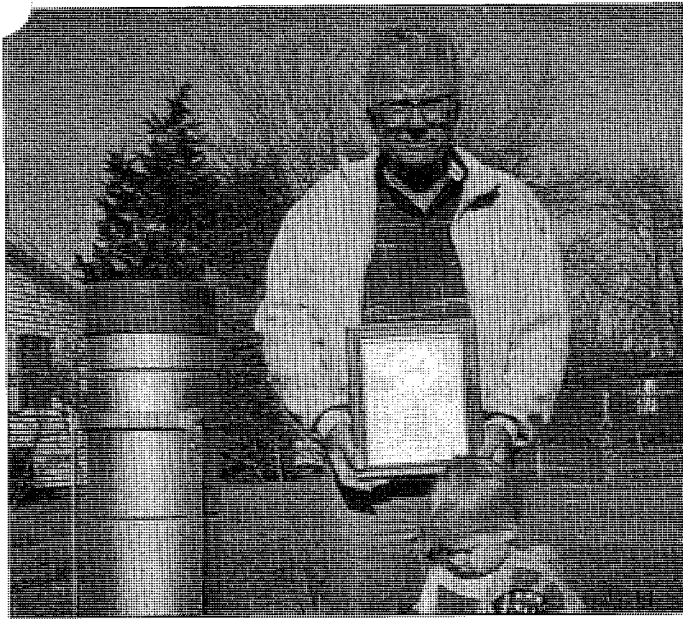
## CENTRAL REGION



**MILDRED MIGNONE**, observer, **MARION, IL**, was presented with a **30-YEAR LENGTH-OF-SERVICE AWARD** by Bill Nelson. Her husband, Tony, (left) helps with the observing duties.



**ORVILLE AND ELLEN FRYE**, observers, **TUSCOLA, IL**, were presented a **25-YEAR LENGTH-OF-SERVICE AWARD** by Bill Nelson.

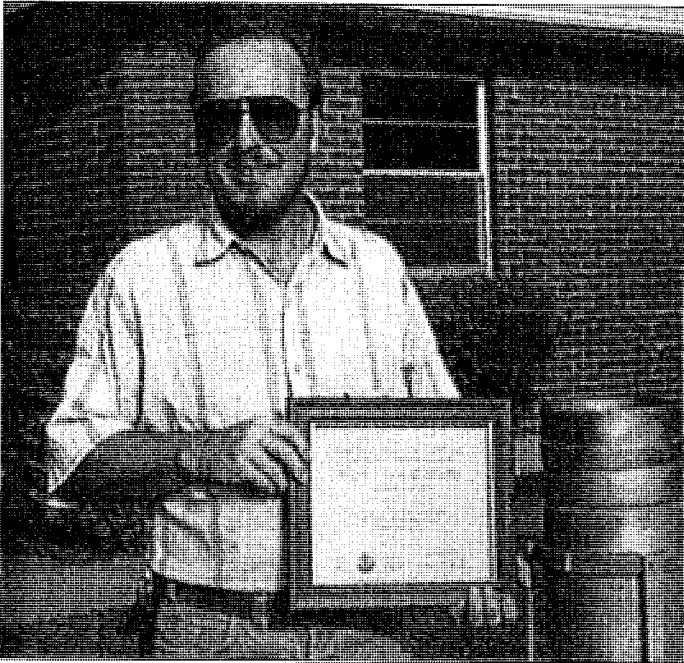


**DAVE OWEN**, observer, **GREENUP, IL**, was presented a **20-YEAR LENGTH-OF-SERVICE AWARD** by Bill Nelson. Shown with Mr. Owen is his grandson, Braden. Dave has since retired to enjoy the game of golf.



After she decided to retire, **MARY HOGGE**, observer, **BEECHER CITY, IL**, was presented a **SPECIAL SERVICES AWARD** for **32-YEARS** of service provided by her family. Mary took over the observing duties after her husband, Walter, passed away. The fine crew at the local water department has taken over the observing duties.

## CENTRAL REGION



Greg Smart accepted the **25-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD** for the **DEKALB-PFIZER GENETICS PLANT, TUSCOLA, IL.**



A **25-YEAR INSTITUTIONAL AWARD** was presented to the **LAPORTE WATERWORKS, LAPORTE, IN.** The award was presented to Bob Cartwright (left) and Supt. Todd Taylor (center) by Roger Kenyon, CPM/IND. Picture taken by Bill Nelson

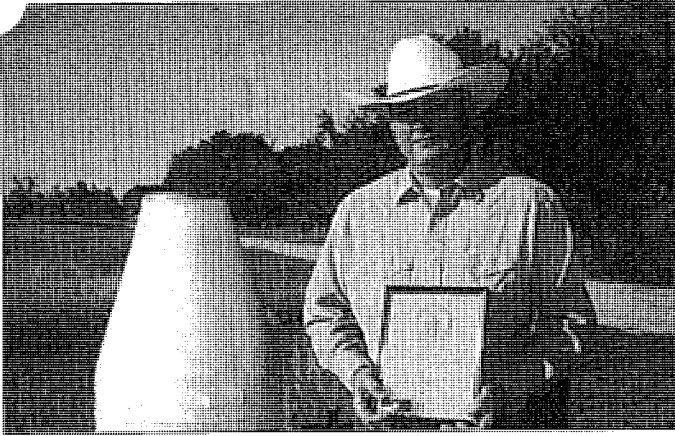


A **25-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD** was presented to the **NEW WHITELAND UTILITIES, NEW WHITELAND, IN.** The award was presented to Bill Bragg (right) and Jim Wilkerson (center) by John Curran, Area Mgr for IN. Dick Abbott (not pictured), another utilities employee took the observations most of the 25 year period.

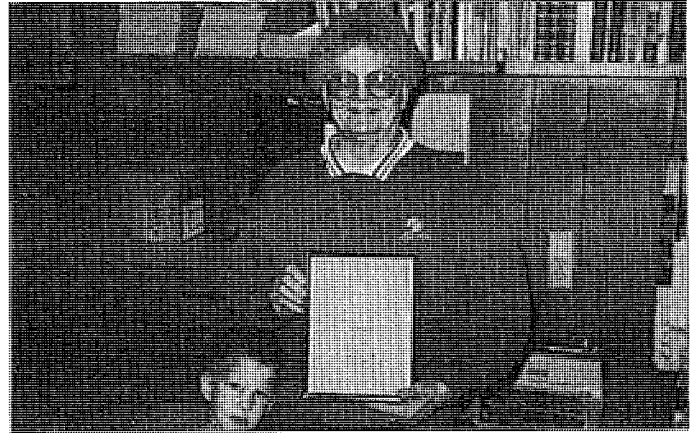


**MR. JAMES S. BRIM**, observer, **ELGIN, KS**, was presented a **30-YEAR LENGTH-OF-SERVICE AWARD**. Pictured with Mr. Brim is his wife, Margaret and Leon Wasinger, CPM/HMT WFO Wichita. Presentation was made by Leo Ritter, DAPM and Randy Callaway, HMT.

## CENTRAL REGION



**RANDALL V. HENNIGH**, observer, **ENGLEWOOD 1 NNW, KS**, was presented a **30-YEAR LENGTH-OF-SERVICE AWARD** by John Orgler, DAPM/DDC.



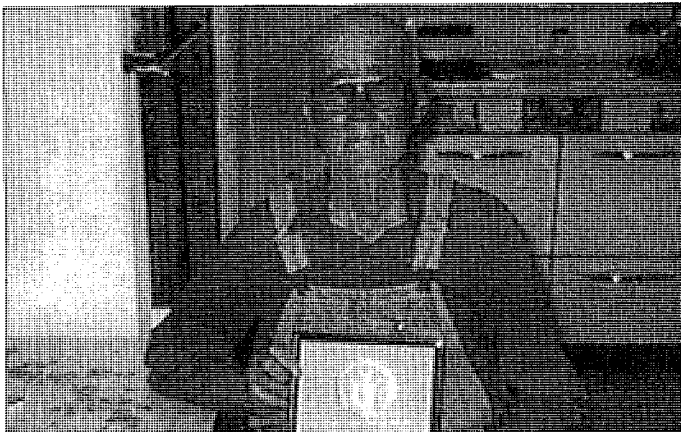
**ROSE DOXON**, observer, **WAKEENEY, KS**, was presented a **20-YEAR LENGTH-OF-SERVICE AWARD** by John Orgler.



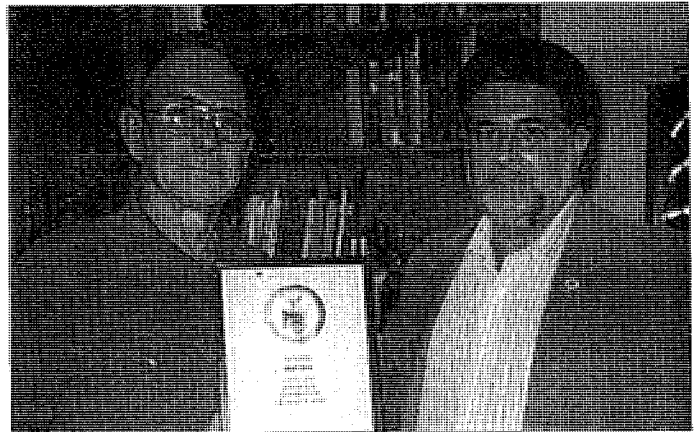
**WILLARD TREU**, (center), observer, **STUDLEY 9 N, KS**, was presented a **20-YEAR LENGTH-OF-SERVICE AWARD**. Presentation was made by George Lucas, DAPM/GLD (left).



A **15-YEAR LENGTH-OF-SERVICE AWARD** was presented to **STEPHEN R. FENSTER**, observer, **HEALY, KS**. Presentation made by Larry Ruthi, MIC/DDC.



A **15-YEAR LENGTH-OF-SERVICE AWARD** was presented to **PETE NORTON**, observer, **UTICA, KS**. Presentation made by John Orgler.



**WIGHT SIMS**, observer, **MINGO 5 E, KS**, was presented a **15-YEAR LENGTH-OF-SERVICE AWARD** by George Lucas.

## CENTRAL REGION



**MRS. NETTIE BOWLING**, observer, **BIG CREEK, KY**, was presented the **JOHN CAMPANIUS HOLM AWARD** and a **35-YEAR LENGTH-OF-SERVICE AWARD**. Presentation was made by (left to right) Mike Callahan, Service Hydrologist/LMK, Peter Tellez, CPMT/LMK, and Marvin Maddox, MIC/LMK.



**BILL STILTNER**, observer, **FRENCHBURG, KY**, was presented a **20-YEAR LENGTH-OF-SERVICE AWARD** by Peter Tellez.



**DAVID A. THOMPSON** (left), observer, **LEITCHFIELD 2 N, KY**, received a **20-YEAR LENGTH-OF-SERVICE AWARD** and **PIN**. Presentation was made by Peter Tellez (right).



**CORPS OF ENGINEERS BARREN RIVER LAKE, GLASGOW, KY**, was presented a **30-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD**. Accepting the award is Supervisor **Lloyd Crabbe**. Presentation by Peter Tellez.



**DENNIS KAHLBAUM**, observer, **ANN ARBOR, UNIVERSITY OF MICHIGAN & JACKSON CONSUMER POWER SITE** received the **JOHN CAMPANIUS HOLM AWARD**. Presentation was made by Michigan CPM.



Chief **Richard Szczepanek**, Deputy Director & Public Safety and officer **Chuck Yonker** received a **50-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD** on behalf of the **GRAND HAVEN PUBLIC SAFETY OFFICE, GRAND HAVEN, MI**.



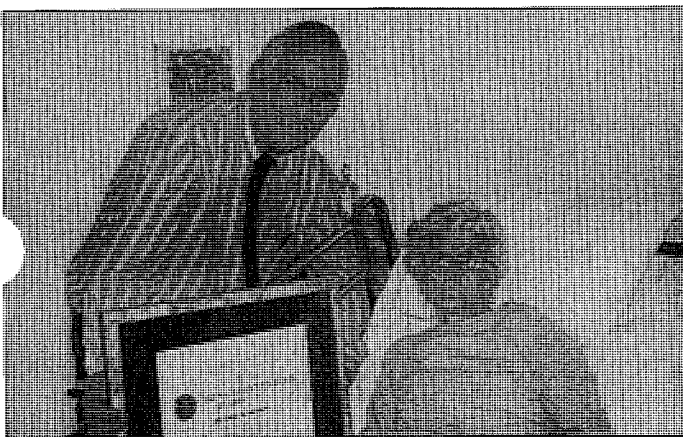
## CENTRAL REGION



**THOMAS BOOKER**, observer, **OLIVIA COOPERATIVE OBSERVER STATION, BIRD ISLAND, MN**, was presented a **10-YEAR LENGTH-OF-SERVICE AWARD**.



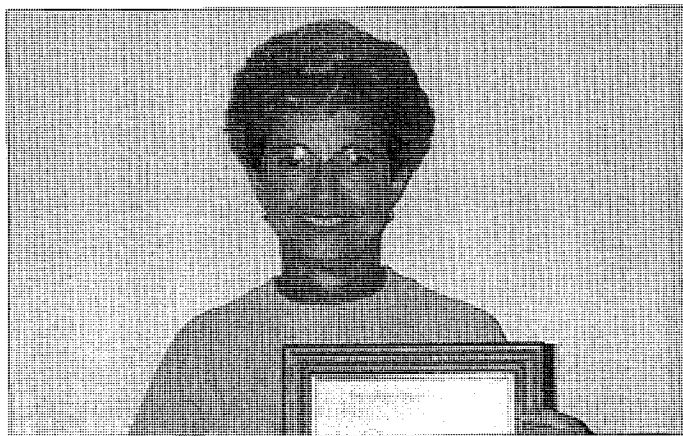
**MR. & MRS. LOLAN H. HOWERTON**, observers, **BUFFALO, MO**, was presented with the **EDWARD H. STOLL AWARD**. They also hold the John Campanius Holm Award.



**LOTTIE M. SUMMERS**, observer, **BERNIE, MO**, was presented the **JOHN CAMPANIUS HOLM AWARD** by William Wipfler, DAPM.



**FRANK NELSON, JR**, observer, **SWEET SPRINGS, MO**, was presented the **JOHN CAMPANIUS HOLM AWARD**. Mr. Nelson also has received the Edward Stoll Award. Pictured with Mr. Nelson are his wife and family.

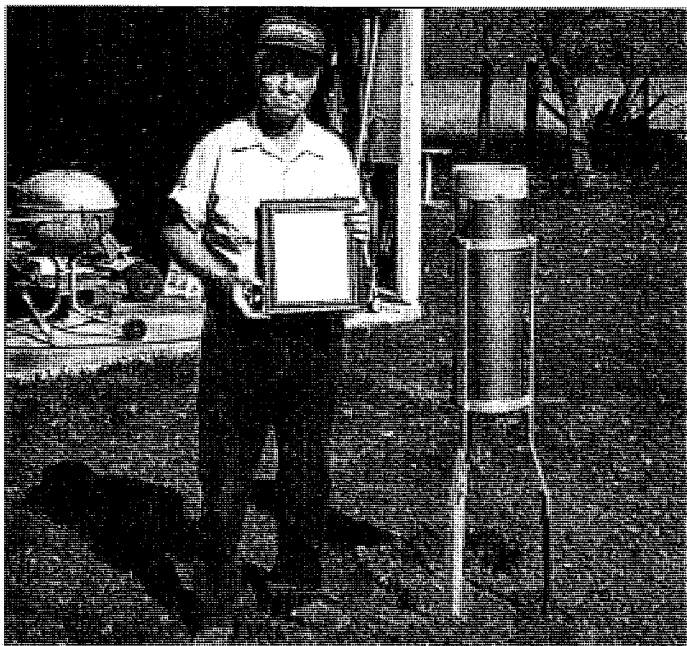


**MRS. FREDA M. TRUSSELL**, observer, **COLOMA, MO**, was presented a **30-YEAR LENGTH-OF-SERVICE AWARD**.

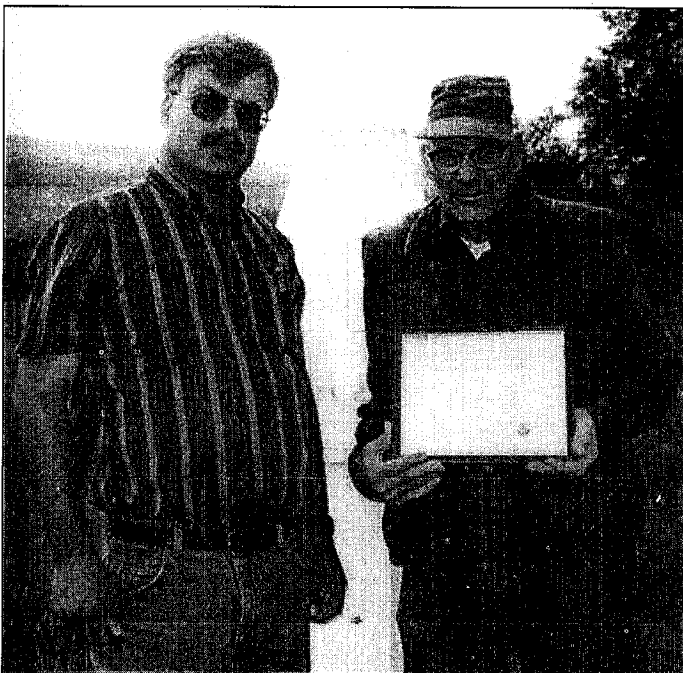


**MILDRED & HANY KLOPPENBURG**, observers, **BILLINGS, 2 N, MO**, was presented a **25-YEAR LENGTH-OF-SERVICE AWARD**.

## CENTRAL REGION



**JAMES H. MOLDER**, observer, **POWELL, MO**, received a **25-YEAR LENGTH-OF-SERVICE AWARD** for rainfall observations from beautiful southwest Missouri.



**MR. JOHN O. NELLERHOE** (right), observer, **TROTTERS 3 SSE, ND**, was presented a **45-YEAR LENGTH-OF-SERVICE AWARD**. Presentation made by Vern Roller (left). Also present were Charlene Prindiville, SH, WSFO Bismarck and Nadine Glur, ET, WSFO Bismarck.



**STOCKTON DAM, MO**, was presented a **25-YEAR INSTITUTIONAL LENGTH-OF-SERVICE AWARD**. Accepting the award (left to right) Jim Franz, Sharon Belcher, and Greg Thomas.



**MR. HERBERT J. CLARK**, observer, **POWERS LAKE 1 N, ND**, was presented a **45-YEAR LENGTH-OF-SERVICE AWARD**. Picture and presentation by Vern Roller, HMT/CPM WSFO Bismarck, ND.

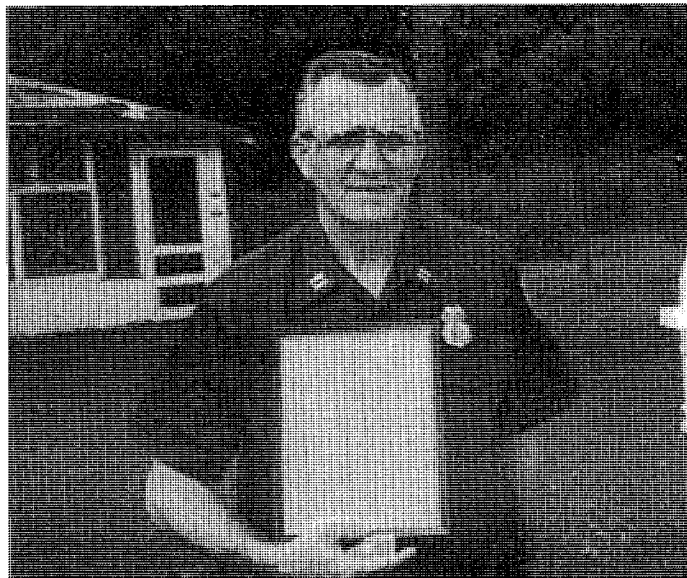


**LLOYD & ESTER HOMISTON**, observers, **BOWBELL, ND**, received a **20-YEAR LENGTH-OF-SERVICE AWARD**. Picture and presentation was made by Vern Roller.

## CENTRAL REGION



**MARION LONG**, observer, **HANSBORO 4 NNE, ND**, is pictured with her **15-YEAR LENGTH-OF-SERVICE AWARD**. Marion is assisted by Kelli Williams. Picture and presentation by Vern Roller. This station is located on the Canadian border and is supported by the U.S. Customs and Immigration Service.



**DON MARTEL**, observer, **AMBROSE 3 N, ND**, was presented a **15-YEAR LENGTH-OF-SERVICE AWARD**. Picture and presentation by Vern Roller. Ambrose 3 N is also located on the Canadian border where Don works for the U.S. Customs and Immigration Service.



**FLORENCE NEWSOM**, observer, **HURDSFIELD 8 SW, ND**, was presented a **15-YEAR LENGTH-OF-SERVICE AWARD**. Picture and presentation by Vern Roller.

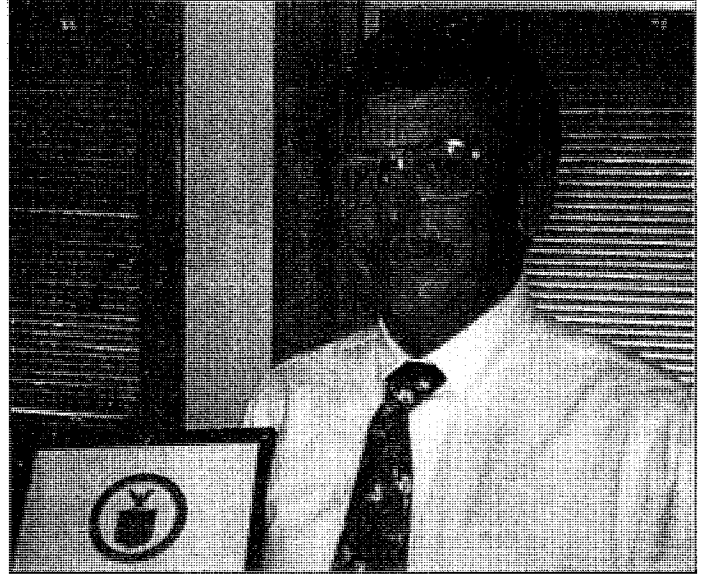


**CLYDE E. CRAMER**, observer, **HARDY, NE**, was presented with the **JOHN CAMPANIUS HOLM AWARD** by Steven D. Schurr, MIC, Hastings NWS along with Marla K. Doxey, DAPM, Hastings.

## CENTRAL REGION



**PATSY FITCH**, observer, **ATLANTA 2 WNW, HOLDREGE, NE**, was presented with a **35-YEAR LENGTH-OF-SERVICE AWARD** and **PIN**. The presentation was made by Pete Peterson, HMT, Hastings.



**GLEN A. MITCHELL**, observer, **RUSHVILLE, NE**, was presented a **15-YEAR LENGTH-OF-SERVICE AWARD** by Mike Elias, CPM/T, Goodland, KS.



David Olkiewicz, program manager, presented **ALBERT GULL** (center), observer, **EDGEMONT, SD**, with a **45-YEAR LENGTH-OF-SERVICE AWARD** and **PIN** for his faithful service to the National Weather Service. Greg Harmon, SD Area Manager, was also on hand to congratulate Albert.

## CENTRAL REGION



**DOROTHY LEE** (right), observer, **JOHNSON SIDING, SD**, was presented a **20-YEAR LENGTH-OF-SERVICE AWARD**. Presentation was made by Greg Harmon (left) Area Manager NWSFO Sioux Falls, SD.



**EVELYN WEAVER**, observer, **WESSINGTON SPRINGS 7 SW, SD**, was presented a **15-YEAR LENGTH-OF-SERVICE AWARD**. Presentation was made by David Olkiewicz.

## NO PICTURE AVAILABLE

**JAMES MITCHELL**, observer, **AVON 5 NE, IL**, received a **30-YEAR LENGTH-OF-SERVICE AWARD** from Bill Nelson. James is the fifth observer for Avon since the station began in 1950 and consistently keeps the NWS advised of weather conditions when necessary.

**BARBARA PARK**, observer, **WILSONVILLE, NE**, was presented a **15-YEAR LENGTH-OF-SERVICE AWARD** by Mike Elias.

## **A NOTE FROM THE EDITOR**

Each quarter it is a real privilege to review the photographs of our observers as they receive their awards. As a fellow cooperative observer since 1960, I know what a significant commitment is required by each of you to make your weather observations each day. I can assure you that the Nation and your fellow citizens are better served as a result of your devotion. Therefore it is with great sadness each time we learn of the illness or death of any of our volunteer observers.

Most recently we received a letter from Mrs. Clarence L. Fairbanks, informing me of the death of her husband on October 9, 1995. Mr. Fairbanks had been the cooperative observer at Joliet, Montana, for the last 45 years. Florence said her husband had devoted his life to making accurate, timely observations and that he received great pleasure from being a member of the observing team. Florence thanked us for the honors and awards that we had given Clarence over the years, and then finished by saying how much she missed him. Florence, we will also miss him and the excellent records he sent us each month. Even though Clarence was only one observer out of thousands, the observing program and indeed each of us involved with it, are diminished by his passing.

Grant W. Goodge

**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 (9) 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 degree F base). The July issue contains a recap of monthly heating degree days and snow data for the preceding 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 observations 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:

(704) 271-4800 (Voice)  
(704) 271-4010 (TDD)  
(704) 271-4876 (Fax)

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

---

USCOMM-NOAA-ASHEVILLE, N.C. - 1995 - 10,750

*Inquiries/Comments Call:* (704) 271-4800 (Voice)  
(704) 271-4010 (TDD)  
(704) 271-4876 (Fax)

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

**OFFICIAL BUSINESS**  
**PENALTY FOR PRIVATE USE \$300**  
**ADDRESS CORRECTION REQUESTED**

**BULK RATE**  
**POSTAGE & FEES PAID**  
United States Department of Commerce  
NOAA Permit No. G - 19