

The National Cooperative Observer Newsletter



SPRING 1987

VOLUME 4

NUMBER 3

EASTERN REGION

SOUTHERN REGION

CENTRAL REGION



WESTERN REGION

ALASKA REGION

PACIFIC REGION

noaa

NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

ALASKA REGION

About the cover: Anchorage, AK. Photo taken June 1987. The Federal Building and U.S. Courthouse looking to the west. The fifth floor, eastern end, contains the National Weather Service Alaska Regional Headquarters, Forecast Office, and River District Office as well as National Marine Fisheries.



Photo-1 Looking east to Chugach Mountains.



Photo-2 Looking north, Museum of History and Art across from Federal Building.

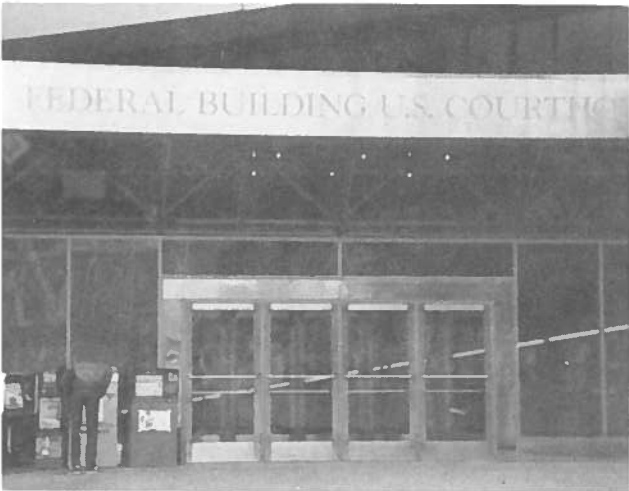


Photo-3 Main entrance 7th Avenue.



Photo-4 South side looking west.

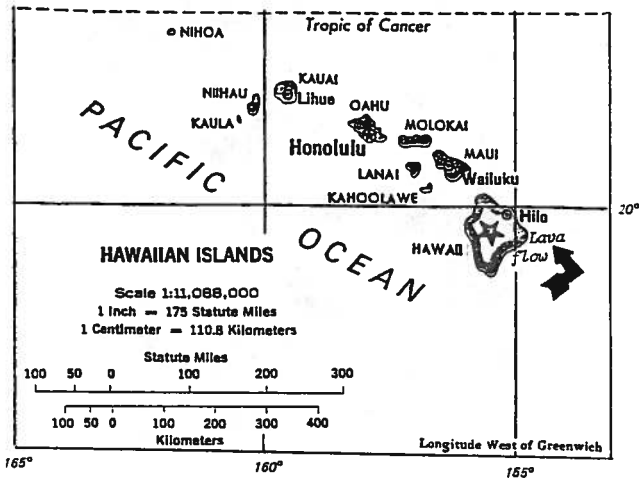
Since the last rendition of the newsletter, the Eagle River Visitor Center was reactivated, but due to lack of funds was again inactivated. No climate reports were received for the period. Hoonah and Port Protection, both in southeast Alaska, were inactivated. Gustavus also in southeast Alaska was reopened the first week of July. Kake in southeast Alaska was reopened. Seward 16 N in south-central Alaska was relocated 3 miles north. Fort Yukon in the interior was relocated. Aniak in southwestern Alaska will be relocated the first week in July. The Portage Glacier Visitor Center, 48 miles southeast of Anchorage, was reactivated in April.

Many of our climate stations have had the new MMTS electronic station installed to replace the old

wooden shelter. The original design of the display unit has a defect which caused failure of the battery in the first 968 units. These units will have to be modified. On my inspection trips, I will be replacing these units and for some stations I will mail out replacement units which the observer can exchange and return the old unit to me for modification. A franked return label will be included with the replacement display unit.

We are still receiving some of the climate forms too late for publication. The forms should be mailed after the 1st of the month in the franked envelopes provided for this purpose.

PACIFIC REGION



Hawaii - Crests of volcanoes taller than Mount Everest (29,028 feet) emerge from the Pacific Ocean to form the 8 major and 100-odd minor Hawaiian islands, 7 inhabited. Though the state measures 1,600 miles from border to border, in actual land area it is the fourth smallest of the Union.

A racial mixture populates the islands. Biggest of the chain is Hawaii, with black sand beaches, active volcanoes (Mauna Loa and Kilauea), and the southernmost point of the United States (Ka Lae). Kauai has Mount Waialeale, rainiest spot in the world, 460 inches a year.



Red-hot molten lava entering the Pacific Ocean. Location is in the Kalapana area of the island of Hawaii, 26 miles due south of the city of Hilo.



County of Hawaii helicopter monitoring the progress of the lava flow as it makes its way into the Pacific Ocean.



What were once 25 foot cliffs and an ocean depth of over 30 feet are now being replaced by a black sandy beach caused by lava cinders. Previous three photos taken by Orlando Almarza, CPM Area 1, Hawaii, in June 1987.

EASTERN REGION



Harry F. Bennett, observer, Strongstown, PA, was presented the John Campanius Holm Award for outstanding accomplishments in the field of meteorological observations. Presentation was made by Stan Smith, former Cooperative Program Manager, Pittsburgh, PA.



Meade Palmer, observer, Warrenton 3 SE, VA, was presented the John Campanius Holm Award for outstanding accomplishments in the field of meteorological observations. James Smith made the presentation.



John Y. Burton, observer, West Point 2 SW, VA, was presented the John Campanius Holm Award for outstanding accomplishments in the field of meteorological observations. James Smith, Cooperative Program Manager, Baltimore, MD, made the presentation.



The Water Department, City of Wilmington, Wilmington, DE, was presented a 75-year Institutional Award. Gene Bachman (left) and Bill Duggan (right) accepted the award. Presentation was made by Marian Peleski (center), Meteorologist in Charge, Wilmington, DE, and James Smith.



Robert T. Dornin, observer, The Plains 2 NNE, VA, was presented the John Campanius Holm Award for outstanding accomplishments in the field of meteorological observations. Presentation was made by James Smith.



Peter Cugino accepts the 50-year Institutional Award on behalf of the Downtown Aero Crop Service, Inc., Vineland, NJ. Presentation was made by James Smith.

EASTERN REGION



John Vanwey accepted a 25-year Institutional Award on behalf of the Roseville Water Works, Roseville, OH.

Michael Wyatt, Cooperative Program Manager, Columbus, OH, made the presentation.



Gordon Miller, observer, Lancaster, NH, was presented a 20-year length-of-service pin. James Donahue, Cooperative Program Manager, Portland, ME, made the presentation.



Leon Eynor (right), observer, Wolcott, NY, was presented a 20-year length-of-service pin. Ray West (left), Cooperative Program Manager, Albany, NY, made the presentation.

How Soon Will You Need Supplies?

Have you ever suddenly found yourself without a sufficient number of forms for your monthly report, or that you have used your last recording rain gage chart? Have you ever folded your monthly forms or charts only to find that you were out of envelopes? You may have wondered at one time or another - "Where are those supplies I ordered the other day?"

In order to ensure an adequate supply of forms, charts, envelopes, etc., please check your supplies often and make your requests as soon as they appear to be getting low. It would be wise to order two or three months in advance.

Please indicate your station name and number on WS Form B-27, "Cooperative Station Supply Request" card. (See sample).

Many B-27 cards are being received without station name or number! The Postal Service does not cancel most government franked mail so we have no way of knowing who the order was from.

Mailing Monthly Forms

The National Climatic Data Center has a tremendous job handling all the data that arrives at Asheville each month, so please mail your forms as promptly after the month ends as you can.

U.S. Department of Commerce NOAA - National Weather Service Eastern Region Co-op Program Mgt. 583 Stewart Avenue Garden City, New York 11530 Official Business Penalty For Private Use, \$300!	1	NO POSTAGE NECESSARY IF MAILED IN THE UNITED STATES
BUSINESS REPLY CARD FIRST CLASS PERMIT NO 1100 ROCKVILLE, MD POSTAGE WILL BE PAID BY NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION		
?!		

COOPERATIVE STATION SUPPLY REQUEST			
STATION NAME GREEN	STATE NY	STATION NUMBER 30-1125-4	DATE 5/1/87
ADDRESS: Mr. John Smith 24 Wake Place		LONDON, NY 12760	OBSERVER'S SIGNATURE John Smith
<input checked="" type="checkbox"/> PLEASE SEND THE SUPPLIES LISTED BELOW: <input type="checkbox"/> THIS STATION IS HAVING THE FOLLOWING DIFFICULTIES:			
1- This card - <u>WS Form B-27</u> ; 2- I still have no booklets for daily obscvr. <u>WS Form F-7</u> 3- Brown Envelopes to mail report to <u>Asheville, N.C.</u> Frank JS			
WS FORM B-27 12-1-87 PRES BY W800-2		GPO: 1987-758-735	U.S. DEPARTMENT OF COMMERCE NOAA - NATIONAL WEATHER SERVICE

NOTE: National Weather Service Headquarters has revised WS Form B-27 this Spring: to include as a RETURN ADDRESS each Regional Office LOCATION 1-6, where those BLANK cards will be Re-Directed. We hope that this re-routing will improve our communication, and provide our observers a speedy supply.

SOUTHERN REGION



The Department of Marine Science, University of Puerto Rico on the Maqueyes Island was presented a 25-year Institutional Award. Pictured left to right are Carlos Noboa, Nayda Rodriguez, Damian Rodriguez, and Robert Manning.



Charles Brumley, observer, Ralston, OK, was presented a 35-year length-of-service award by John Lambert, CPM/OKC.



Samuel P. Herren, observer, Haskel, TX, was presented a 45-year length-of-service award. Keith Hayes, MIC/Abilene (left), Mrs. Herren (center), Mr. Herren (right), and Jerry Wolfe (not shown), CPM/FTW were at the presentation.



Carlos O. Armstrong (middle), observer, Corral Viejo near Ponce, PR, was presented a 15-year length-of-service award by Tomas Perez-Lugo (left) and Carlos Noboa (right).



Alice Marshall, observer, Carrollton, MS, was presented a 40-year length-of-service award by Maxie Brown.

LENGTH-OF-SERVICE AWARDS-1986

ALABAMA

Joe K. Styron	Brookwood	10
Mrs. J.C. Jackson	Uniontown	10
Joel Camp	Vernon 2 N	10
Joe Woodward	Talladega	15
Mrs. Anna Mae Garrison	Carbon Hill	20
Rufus P. Pless	Dadeville 2	20
Eddie L. Pearce	Hamilton 3 S	25
John S. Richburg	Abbeville 1 NNW	30

SOUTHERN REGION

LOS Awards - cont'd...

ARKANSAS

Thomas E. Turner	Batesville L&D	10
Mrs. Dorothy Parrish	Bog Springs	10
Mrs. Linda Hollifield	Hopper 1 E	10
William W. Ward	Dierks	15
Franklin Lee	Omaha	15
Tommy Hamlin	Taylor	15
Mrs. Nora Mayberry	Washita	15
Marvin Walker	Cove	20
Virgil D. Nelson	Ozone	20
John W. Teeter, Jr.	Prescott	20
University of Arkansas	Clarksville 6 NE	25
Everette Ridenhour	Devils Den 3 SE	25
Travis C. Keahey	Dumas	30
Adam C. Melton	Searcy	35
Mrs. Elizabeth Friday	Horatio	40
Mrs. Clara Hurst	Odell 3 N	45
U.S. Fish & Wildlife	Saint Charles	50

FLORIDA

Mrs. Henry A. Allen	Madison 4 N	10
William G. Sanders	Wausau 2 SSW	20
Hillsborough Rvr St Pk	Hillsborough Rv St	25
Corps of Engineers	Clewiston U.S. Engr	50
Corps of Engineers	Port Mayaca SL Can	50

GEORGIA

Horace R. Cook, Jr.	Suwanee	10
Mrs. Latrelle Gurley	Atkinson 2 E	10
Don P. Cobb	Glennville	15
Joseph A. Carey	Lexington 1 NW	15
Scott C. Chamblee	Alpharetta 5 SSW	20
Perry T. Usher	Lumpkin 2 SE	20
Jesse W. Rauton	Stillmore	20
Radio Station WXYC	Cartersville	25
International Paper Co	Bainbridge Paper	25
Mrs. Bobbie Foster	Cornelia	25
George Fowler	Montezuma	25
Earl T. Smith	Danville	30
Warren W. Wyant	Dover	30
R.C. Thompson	Doctortown 1 WSW	35
Jack L. Chapman	Covington	35

LOUISIANA

Rogers J. Lachney	Bunkie	10
Wilmer Ray Bailey	Jena 4 WSW	10
Robert Gentry	Many	20
Southern Natl Gas Co	Franklinton 3 SW	25
Thomas C. Graves	Hosston	25
New Orleans Sewerage	New Orleans DPS14	25
New Orleans Sewerage	New Orleans DPS6	25
Harold L. Bague	Opelousas	25
Rudolph Melancon	Paradis 7 S	40

MISSISSIPPI

Mrs. Gwendolyn Oswald	Dancy	10
Tommy B. Taylor	Belzoni	20
J.C. Nance	Ripley	20
Lewis L. Wilkins	Clarksdale	25
Laston L. Webb	Edinburg	30
William R. Butler	Pontotoc 5 E	30

NEW MEXICO

Mrs. Rhea Howe	Engle 15 NE	10
Dale Dunlap	Fort Sumner	10
David Eader	Clines Corners 7 SE	15
Richard D. Hammer	Mosquero 1 NE	15
Mrs. Toby Chavez	San Mateo	20
Monroe W. Wootten	Fruitland 2 E	20
Felix Gauthier, Jr.	Animas	25
Mrs. F.W. Drummond	Buckhorn	25
Grace M. Riley	Laguna	25
Torreon Navajo Mission	Torreon Navajo Mis	25
Mrs. Lear E. Howell	Winston	25
Mrs. Odilia Vasquez	Embudo	30
Frank K. Turner	Pearl	30
John F. Jekielek	McGaffey 4 SE	30
Mrs. Laheeta Harvey	Pedernal 4 E	30
Elmer DeVaney	Progreso	30
Robert W. Prunty	Red River	30
Thomas A. Nichols	Santa Rosa	30
Mrs. Fay Rienhardt	Rienhardt Ranch	35
Bureau of Reclamation	El Vado Dam	50
Corps of Engineers	Conchas Dam	50

OKLAHOMA

Mrs. Betty L. Thomas	Bengal 2 NNW	10
Dillon D. Davis	Marshall	10
Mrs. Beulah M. Stout	Piedmont	10
John M. Moore	Wynona	10
Chillos H. Chitwood	Elk City 1 E	10
Mrs. Imogene E. Bacon	Daisy 4 ENE	15
Omer C. Kindley	Oneta 1 WNW	15
Mrs. Alice Poindexter	Pontotoc	15
George W. Armor	Laverne	15
Jettie E. Oathout, Jr.	Renfrow	15
Mrs. Evelyn B. Bogie	Welly 1 SSE	15
Claud A. Wilson	Scraper 3 SW	20
Leonard E. Sample	Freedom	20
Angelo B. Luckett, Jr.	Hartshorne 1 NNE	20
B.L. Wingo	Hennepin	20
Harold W. Thomason	Boynton 1 NE	20
Virgil H. Boggs	Fletcher	20
Mrs. Rose M. Coop	Scipio 1 S	20
Edward Penney	Tuskahoma	20
Mrs. Doris Davidson	Vinson 3 WNW	20
Samuel W. Rich	Grady	25
Mrs. Jimmie R. Hall	Tussy	25
Mrs. Pearl Clayton	Cedardale	25
D.W. Millison	Pawhuska	30
V.D. Villines	Wolf	30
J.S. Holmberg	Erick 4 E	35
Cecil D. Labude	Chattanooga 3 NE	35
Charles L. Brumley	Ralston	35
Anton A. Albers	Union City 1 SE	40

PUERTO RICO

Francisco Rexach-Padilla	Canovanas	15
Antonio Perez-Serrano	Lares 2 SE	15

TENNESSEE

Marshall C. Smith	Ames Plantation	10
Mrs. Geraldine Moore	Woodbury 1 WNW	15
Radio Station WLIV	Livingston Radio	25
University of Tennessee	Martin UT Branch	50

TEXAS

Royce Wilson	Centerville	10
Mrs. Edgar A. Ahrens	Cottonwood	10
Mrs. Nell Reed	Whitehouse 2 W	10
W.E. Boyd, Jr.	Iredell	10
James F. Rhoades	Moss Ranch	10
Mrs. Callie Hickerson	Slidell	10
Jim Hecht	Aspermont 1 E	10
Harold Haynes	Roscoe	10
B.G. Martin	Wills Point	10
Ms. Tommie Joe Cruse	Flomot 4 NE	10
Edwin V. Acker, Jr.	Acker Ranch	10
L.F. Goss	Belmont	10
Elmer F. Brown	Houston N Houston	10
Bryon Watson	Canyon Dam No 1	10
Mrs. Rose Hudson	Canyon Dam No 4	10
Ralph O. Crawford	Dilley	10
E.E. Umlang	Utopia	10
Ben Boren	Booker	10
John J. LaBaume	Floydada	10
Harold Henson	Lockettville Gin	10
Roy H. Byars	Blanco	15
Fred H. McCabe, Jr.	Water Valley 10 NNE	15
Mrs. Robert A. Mack	Glen Rose 2 W	15
T.P. Walton, Jr.	Groveton	15
Noyl Anders	Oakwood 2 NNE	15
Herrell F. Foust	Commerce	15
David N. Waggoner	Henrietta 2 W	15
Mrs. Frankie M. Fair	Kaufman 3 SE	15
W.L. Latimer	Latimer Ranch	15
Mrs. Glenna L. Picard	Palo Pinto	15
John L. Kirchner	Reno	15
Mrs. Ruth Bourland	Comfort 2	15
Andrew Korus	Stockdale 4 N	15
Mary J. Hughey	Bakers Crossing	15
Mrs. Marje Papay	Morse	15
Mrs. Shirley Been	Penwell	15
Doyle L. Ziler	Sierra Blanca	15
Roy Kelley	Valentine	15
H.J. Ganze	Corsicana 8 E	20
Paul West	Dacus	20
Duncan Wilson	Duncan Wilson	20
Katheryn Funk Fields	Funk Ranch	20
Edmund Koennecke	Gold	20
Mrs. Nelda F. Ray	Youngsfort	20
Mrs. Doris Taylor	Taylor Ranch	20
Eddie W. Renken	Tow	20
Kit B. Coats	Electra 9 S	20
Perrilla R. Brewster	Dumont	20
James T. Bass	Mount Vernon	20
Mina Ruth Hart	Pittsburg 5 S	20
R.D. Tompkins	Bonita	20
W.B. Mullins	Avery 5 N	20
Ernest E. Pike	Ambrose	20
Fidel Perez	El Sauz	20
Donald Brooks	Sugar Land	20
Irinco L. Reyes	Richmond	20
Mrs. Farrie M. Cook	Speaks 2	20
W.E. Ten Eyck	Dryden	20
Fred A. Strange	Silverton	20
Radio Station KPET	Lamesa 1 SSE	25
Mrs. Nelda Halm	Canyon Dam No 7	25
Harold J. Haley	Livingston 2 NNE	25
Corps of Engineers	Proctor Reservoir	25
Mrs. Myrtle Cheatham	Sidney	25
Vernon J. Burns	Ingram 2	25
Vallie Sue Sorrells	Crandall	25
Andrew J. Sullivan	Mineola 7 SSW	25
Ray T. Hay	Delhi	25
City of Edinburg	Edinburg	25
Corps of Engineers	Canyon Dam	25
Mrs. Hilda A. Rogers	McCoy	25
Carl Schuster	Schuster Farm	25
Mrs. Gladys Williams	Luling 10 NE	25
Ben Moore, Jr.	O'Donnell	30
Faltn C. Beierle	Spring Branch	30
James F. Page	Olney	30
Herbert G. Koehler	Giddings 3 ESE	30
Mrs. Daisy Slaton	Gorman	35
John D. Isenhower	Putman	40
Samuel P. Herren	Haskell	45

VIRGIN ISLANDS

Mrs. Bodil Lawaetz	Annaly	30
Henry Helthrop	Granard	30

CENTRAL REGION



Helmer Amundsen, observer, Abercrombie and Abercrombie 3 NW, ND, was presented the Holm Award. Pictured Left to Right: Gregg Rishel, Service Hydrologist, WFO Bismarck, ND; Helmer Amundsen, and Don Stoltz, MIC/AM, WSFO Bismarck, ND. Picture by Vern Roller, CPM, WSFO Bismarck, ND.



A 25-year Institutional Award was given to North Vernon 2 SW - Radio Station WNVI, IN. Pictured left to right: Jim Wooley and Al Shipe.



Lyle Mitzel, observer, Wahpeton 3 N, ND, was presented the Holm Award. Pictured Left to Right: Gregg Rishel, Lyle Mitzel, and Don Stoltz. Picture by Vern Roller.



Mr. and Mrs. Lee T. Miller, observers, Fredonia 1 S, KS, were presented a 40-year length-of-service award by CPM Gary Funke and Wichita OIC Phil Swain. In 1984, Mr. Miller was a recipient of the Holm Award.



Ruby Stufft, Elsemere, NE, was presented the Landsberg Award on July 29, 1986, by Tom Sinclair, CPM/OMA.

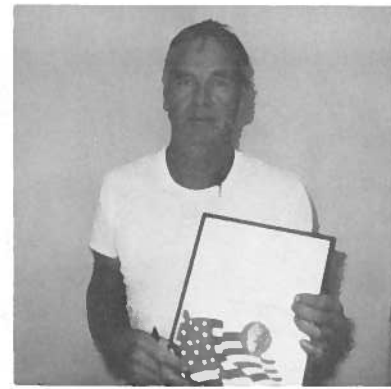


Paul L. Schlagel, Olathe 3 E, KS, was presented a 40-year length-of-service award by Gary L. Funke, CPM. Mr. Schlagel is a former Holm Award winner.

CENTRAL REGION



E. Guy Deckard, observer, Woodland Heights, Gamaliel, KY, was presented a 35-year service pin and award by Peter Tellez, CPM. Pictured are Mr. and Mrs. Deckard.



Carl Lovell, observer, Cheyenne Wells, CO, was presented a 25-year Service Award.



Jerome Payne of Eagle Butte was recently honored by the National Weather Service for 35 years of weather observing. Mr. Payne was presented the award by David Olkiewicz, Cooperative Program Manager, National Weather Service Office, Sioux Falls, SD.

Mr. Payne began taking observations for the Weather Service in 1951. The observations of temperature and precipitation made by him are sent to the National Weather Service in the form of weekly and monthly reports. These observations taken at Eagle Butte are published and used in studies of the weather and climate of South Dakota.

The 35-year award presented to Mr. Payne is a small token of the National Weather Service's appreciation of his devotion and diligence.



Henry J. Prillwitz, Berrien Springs 5 W, MI, was presented a 35-year length-of-service award by Stephen J. Hicks, CPM/ARB.



Ole (left) and Toby (right) Ramsland, observers, Almont, ND, were presented a 20-year length-of-service award. The cooperative station in Almont has been in the Ramsland family for nearly 50 years. Picture and presentation by Vern Roller.

LENGTH-OF-SERVICE AWARDS AND PINS

INDIANA

Don Darling	Cambridge City	10
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KENTUCKY

Hugh L. Jennings	Bardwell 2 E	20
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NORTH DAKOTA

Carl Haukedahl	Wildrose	20
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SOUTH DAKOTA

Mr. Stimson	Flandreau	20
Mr. Guse	Bryant	30

WYOMING

Rose McMeekin	Osage	10
Lee Hoffman	Lovel 10 SE	10
Frank E. Erickson	Muddy Gap	10
James R. Parrish	Newcastle	15
William L. Maxwell, Sr.	Greybull	15

Institutional Awards for Wyoming

Goshen Irrigation District	Whalen Dam	25
Amoco Production Company	Cody 12 SE	25
UMETCO Minerals Corp.	Gas Hills 4 E	25

WESTERN REGION



Frank Dotta (center), observer, Vinton, CA, was presented the Holm Award at a meeting of the Sierra Valley Cattleman's Association with more than one hundred people in attendance. Mr. Dotta was cited for over 36 years of weather observing. Bill Henning, MIC, WSO Sacramento, is at left, and John James, State Climatologist, NV, is on the right.



The Amalgamated Sugar Company, Nyssa, OR, was presented an Institutional 50-year length-of-service award. Observer George Knapp (left) and plant manager Doug Russell are shown. The company, the only co-op observer in Nyssa, takes daily temperature and precipitation readings.



For his dedication and excellence as the cooperative weather observer at Rapelje, MT, Elmer Gee (left) was presented the Holm Award by David Olsen, NWS Area Manager, Great Falls. In addition, Elmer was presented a 40-year length-of-service award. More than fifty of Elmer's friends, as well as family members, gathered to honor him at the presentation.



Gold Beach Ranger Station, OR, was awarded a Special Service Award for 50 years service presented by Mike Brooks (center), MIC/WSO, Medford, OR. Rose McGuiness, observer, accepted the award. Also shown is Forester Joe Genre. The U.S. Forest Service has had the station at the same site for fifty years. Gold Beach, located on the southern Oregon coast at the mouth of the Rogue River, is a strategic site for early warning of a southern approaching storm.



Arlo Grunerud (right), observer, Bonners Ferry, ID, was presented the John Campanius Holm award by Program Manager Ingve H. Olson. Mr. Grunerud has spent almost 30 years as a weather observer for the National Weather Service.



The Eastern Oregon Experiment Station, OSU, received a 75-year length-of-service award presented by Charlie Baker, (right), Official in Charge of the NWS office at Pendleton, OR. Dr. Martin Vavra (center), Station Chief, accepted. Ron Slater (left), who is the weekday observer, along with weekend observer Burnies Johnson and secretary Kay Sandsbury, have not had an error in over three years. George Miller, NWS Area Manager, OR, and CPM Clint Jenson also attended the ceremony.

WESTERN REGION



Ernest Weferling, observer, at his ranch at Bryson, CA, was presented a 40-year length-of-service award by Jim Henderson, NWS Area Manager for Northern California. Mr. Weferling is still active on the ranch and is an avid hunter.



Lloyd and Lena Cox, observers, Jordan, MT, were presented a 35-year length-of-service award by NWS Hydrologist John Fassler of WSFO, Great Falls. In addition to the daily record keeping, Lloyd also supplies the Weather Service with special agricultural and river rainfall reports from April through October.

In 1982, Lloyd received the National Weather Service's Holm Award, for "outstanding accomplishments in the field of meteorological observations." Lloyd has charted the temperatures and precipitation at Jordan for the last fifty years. The graph is on display at the Garfield National Bank.



Everett L. Payton, observer, was presented a 30-year length-of-service award by Oregon CPM Clint Jenson. Everett operates the hydro and climat station at Halfway, OR, near the Snake River.



Warren E. Ronning, observer, Rock Springs, MT, was presented a 25-year length-of-service award by John W. Fassler, WSFO Great Falls. Warren studied meteorology in connection with his work in ballistics while in the Armed Forces. The meteorology training has proved helpful as a cooperative weather observer and severe weather spotter.



Margaret and Erwin Draper, observers, Red Lodge, MT, were presented a 25-year length-of-service award. The Draper family now has 83 years of total service as cooperative observers.

OTHER LENGTH-OF-SERVICE AWARDS PRESENTED

CALIFORNIA

Robert C. Kyle	Brooks Farnham Ranch	40
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IDAHO

Elizabeth King	Bruneau	10
George Sadorus	Ashton	15

MONTANA

Frank Kolar	Raynesford 2 NNW	15
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Southern Region CPM Conference - June 23-25, 1987

Front row, left to right - Chuck McGee - CPM/LBB; Dr. Ken Kunkel - SC/NM; Bob Landis - Director, NWS/SR; Mark Takata - NWS/PR; Betty Borger - NWS/ER; Annette Sund - MASC; Walt Telesetsky - WSH.

Second row - Tom Blackburn - WSH; Ralph Funderburk - CPM/MCN; Tomas Perez-Lugo - CPM/SJU; Tom Clarke - CPM/LAL; Bob Manning - RCPS/SR.

Third row - Grant Goodge - NCDC; Woody Currence - CPM/LZK; Stan Spivey - NWS/SR; Don Wales - NWS/CR; Maxie Brown - CPM/JAN; Bob Daniels - CPM/RDU.

Fourth row - Bill Kent - CPM/BHM; Jerry O'Brien - WSH; John Lambert - CPM/OKC; John Shelton - CPM/SAT; Jay Grymes - Asst SC/LA; Jim Schroeder - NWS/CR; Malcolm Moreau - CPM/BTR; Bobby Armstrong - NWS/SR.

Back row - Dick Snyder - CPM/ABQ; Marsha Spencer - NWS/SR; Pat Capers - NWS/SR; Alan Starnes - CPM/ACT; Paul Llanso - WSH.

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DEPARTMENT OF COMMERCE
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