

The National Cooperative Observer Newsletter



WINTER 1983 Volume 1 Number 2

EASTERN REGION SOUTHERN REGION CENTRAL REGION



Spain's

Greetings

and Warmest

Good Wishes

WESTERN REGION

ALASKA REGION

PACIFIC REGION

About The Cover

Snow scene in the South Ozone Park, New York Area (near Kennedy Airport) during the Blizzard of February 11-12, 1983.

ALASKA REGION

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Blizzard of 1983

At 12:45 P.M. on Friday, February 11, 1983, it began to snow in the New York area. It continued overnight until 9:40 A.M. on the 12th dumping 17.6 inches of snow in the New York Central Park area. The blizzard was accompanied by a thunderstorm during the snowfall. The wind was gusting over 40 MPH causing high drifts with temperatures below freezing with the result that the wind-chill factor felt about 20 degrees below zero. Vehicles were stranded on highways and side roads. All local airports were closed. In the New York Kennedy Airport area, it began snowing at 1:03 PM on the 11th and stopped at 9:11 AM on the 12th after 21.7 inches had fallen.

Request for Information

Your assistance is requested to help NOAA develop a comprehensive listing of all sources of climate data available throughout the nation. This listing will become part of the National Environmental Data Referral Service (NEDRES), which is designed so that anyone needing climate information will be able to find out very easily who has the type of data he or she needs.

The information you send, as official observers, to the National Climatic Data Center (NCDC) has already been placed in NEDRES and will be available through NCDC, so no action is needed concerning your own observations.

However, you are in a unique position, and probably know of people or institutions in your own area who take observations which are not "official" in the sense that yours are. Often it is very difficult for us to find out about these people, and they may have just the information that someone is looking for. I would appreciate it if you could take a few moments to jot down names and addresses of such observers (check with them first if necessary) and send a note or postcard to me:

Peter J. Robinson
Department of Geography
203 Saunders Hall 043A
University of North Carolina
Chapel Hill, NC 27514

I thank you in advance for your help.

N.B. Cooperative observers in New England, New York, New Jersey, Pennsylvania, Maryland, Delaware, and West Virginia have already been contacted separately. We thank you for your previous assistance - there is no need to respond again.



John Borg, the Cooperative Observer at Eagle, Alaska, is shown with his wife, Betty, receiving the John Campanius Holm Award from the Regional Director, Stuart Bigler (r. in photo). Edward Misiewicz, Cooperative Program Section, acted as cameraman.

John was presented the Holm Award for more than 14 years of continuous and exceptional public service.

John, a U.S. Customs official and postmaster, is also the official river and ice observer. In addition, John maintains a Fischer-Porter Recording Rain Gage for the FC-1 program and provides unofficial aviation observations for the aircraft flying into Eagle.

The presentation committee, comprised of Stuart Bigler (Director), Edward Misiewicz (Cooperative Program Section), and David MacFarlane (Hydro Tech and Pilot), were forced to divert to the Gulkana Airport on the return trip to Anchorage because of low clouds, snow and fog. After spending the night in Glennallen, the trio was able to complete the trip later the next day.

A new climate station was established at Palmer 12 NNW, at the Killybegs Mountain Lodge near Independence Mine/Hatcher Pass State Park. We have added the climate program to the aviation contract station at the Nenana Airport with Delyle Rice O'Neil as the principal observer. The aviation contract station and FC-1 station at McCarthy was relocated across the river and reopened. The new observers are the Rick Kenyon family. A new aviation contract station and climate program was established at Cantwell on the Parks Highway. The observer is Patricia Goble, a former Weather Service employee.

With winter on its way and the year coming to an end, the holiday season will soon be here. The National Weather Service Headquarters staff wishes to thank each of our observers for their contribution in collecting and recording climate data in our state. We wish all our friends and members of the cooperative weather networks a very Merry Christmas and prosperous New Year. We are looking forward to many more years of joint participation in the cooperative weather program.

WESTERN REGION

IDAHO

Elmer Bennett, Hill City, 10 year award
Emma Cox, Yellow Pine, 10 year award
Earl Orada, Boise, 10 year award
Donald B. Noble, Leadore, 25 year award
Lydia F. Wisner, Campbells Ferry, 25 year award

MONTANA

Willis Busenitz, Busby, 10 year award
James Bowers, Moorehead 9 E, 20 year award
Mrs. Tom Mader, Biddle 8 SW, 20 year award
William Gauthier, Abserokee, 25 year award

NEVADA

Frances Prewett, Denio, 10 year award
Leah Rookstool, Kings River Valley, 15 year award

OREGON

George M. Seely, Sitkum 1 E, 10 year award
Robert Cunningham, Molalla 2 ESE, 15 year award
Edna Ashenbrenner, Enterprise, 20 year award

INSTITUTIONAL AWARDS

CALIFORNIA

Corona Fire Dept, Corona, 25 year award

MONTANA

Musselshell County Sheriff, Roundup, 25 year award

John Campanius Holm Awards

Lydia Wisner, Campbells Ferry, ID, was presented the John Campanius Holm Award for more than 25 years of service.

Mrs. Wisner has rarely missed taking an observation in a quarter of a century. She lives alone in a log cabin in the remote Salmon River Canyon which can only be reached by plane or boat.

In addition to her official duties with the NWS, Mrs. Wisner supplies the Forest Service with observations during dry, fire-weather season.

Margaret S. Plummer, Martinez, CA, was presented the John Campanius Holm Award for more than 31 years of continuous and exceptional public service.

Mrs. Plummer, a retired fruit rancher, also supplies the local media with her observations and acts as the local authority on Martinez's weather and climate.

She is a member of the American Association of University Women and belongs to the Historical Society.

Leslie F. Bushby of Richfield, ID, was presented the John Campanius Holm Award for 33 years of service.

Mr. Bushby, despite severe arthritis, has never missed taking an observation in more than a third of a century. Even under severe weather conditions, with temperatures dipping well below zero, Mr. Bushby has been able to maintain highly accurate and consistent reports.

In addition to his official duties with the NWS, Mr. Bushby daily reports his weather observations to the local media, farmers and ranchers.

Thomas Jefferson Award

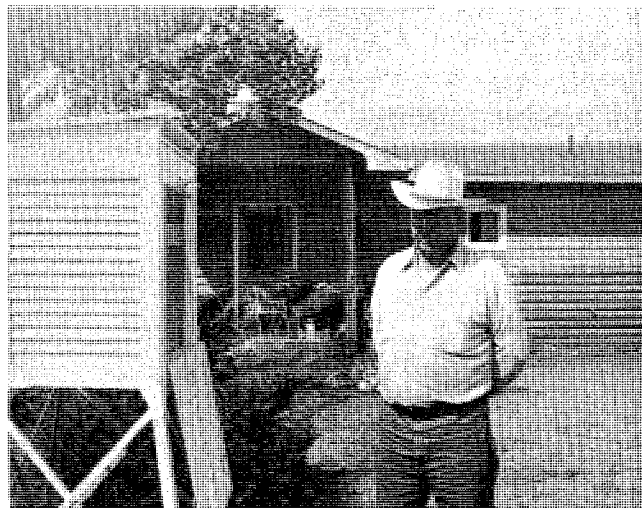
Ella L. Albrecht of Buston, OR, received the Thomas Jefferson Award for more than 39 years of service.

Mrs. Albrecht's valuable observations are vital to NOAA's river and flood forecast and warnings program. Her reports of the Tualatin River basin help warn her community of flooding.

In addition to her official duties as a volunteer observer, Mrs. Albrecht, a homemaker, provides daily and weekly precipitation reports to local newspapers in Hillsboro and Forest Grove, OR.

Roland Getchell of Fontana, CA, was awarded a 30-year pin by Art Lessard, MIC, WSFO Los Angeles. Mr. Getchell is 88 years old and he indicated that he would like to keep taking observations until he is 100.

(NO PICTURE)



Art Hagen, Ingomar, MT, was presented with a 30-year length-of-service award. He records temperature and precipitation from his ranch 11 miles northeast of Ingomar, MT.

The Ingomar station is one of the key points in Montana in computing Crop Moisture Index, and the data is also published in the Weekly Crop Report for the state.

Myrtle Graham of Silver Star, MT, was presented with a 30-year length-of-service award by Joe Johnston, CPM, Great Falls, and Ernie Eberhardt, WR Headquarters, Salt Lake City. Mrs. Graham was born in Butte, MT in 1907. She and her husband, Leland, both served as observers until Mr. Graham's death in 1963, when Mrs. Graham took over.

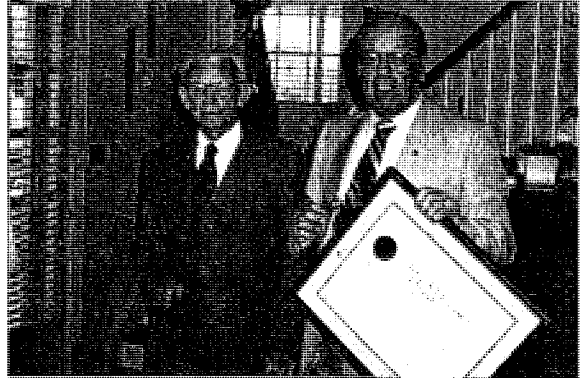
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EASTERN REGION

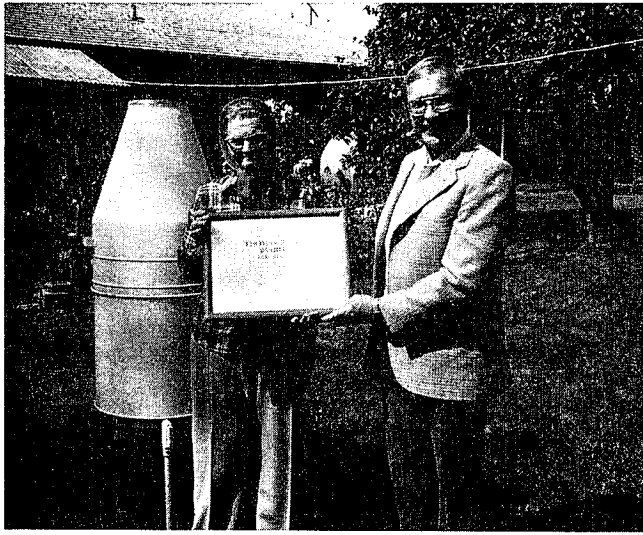
Mr. and Mrs. Charles Haggett of Virginia City, MT, were presented with a 30-year service award in August of this year. Charley, who is the primary observer, shared the honor with his wife. Charley takes the observations and Mrs. Haggett does the paper work.

Virginia City is a colorful, old west town and the Haggetts take their readings one block from the old main street, which looks as it did in the late 1800's.

(NO PICTURE)



Thomas Jefferson Proffitt (left) was presented the Thomas Jefferson Award on October 19, 1983 at Columbia, VA, by William I. Pogerman (right) National Cooperative Program Manager.



Ella Albrecht of Buxton, OR, was awarded a 40-year pin and the Thomas Jefferson Award by George Miller, AM, Portland, OR.

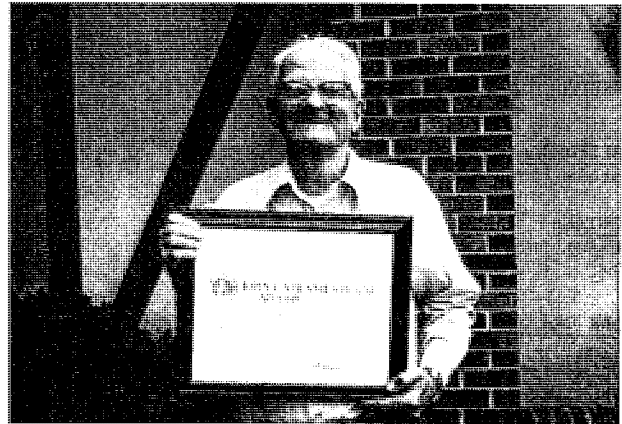
Mrs. Albrecht was born in Buxton 74 years ago. She began taking weather records in 1943 at the urging of Elmer Fisher, a Weather Service employee who lived in Buxton. Ella can recite events from Buxton's past as easily as she can recall the heavy snowstorms that kept her busy taking precipitation readings. She is like a living history book, specializing in the community of Buxton.

When asked why she has stuck with her volunteer job for so long, Mrs. Albrecht replied, "I like to do it. It's something to do besides cutting the grass."

Burdett Bevan, Tooele, UT, was presented a 35-year award by Dean Hirschi, CPM, Salt Lake City, UT. Mr. Bevan was awarded the John Campanius Holm Award in 1976.

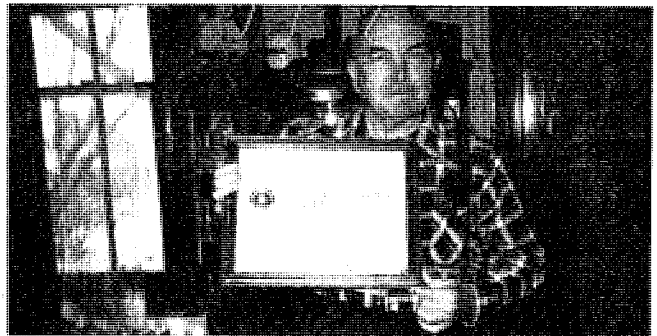
The station Mr. Bevan operates has been on the same site for 59 years.

(NO PICTURE)



Earnest L. Lafferty, observer, Banner Elk, NC, was presented the John Campanius Holm Award by Earl Rampey, Cooperative Program Manager, Columbia, SC.

Mr. Lafferty is the owner/operator of the Banner Elk Hardware Store and former Dean of Administration for Lees-McCrae College in Banner Elk.



Kenneth E. Cole, observer, N.Y. Westerleigh Staten Island, NY, was presented the John Campanius Holm Award by Vincent Nunziata, Cooperative Program Manager, NY.

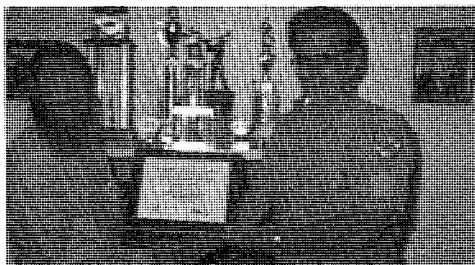
Mr. Cole's father, Herbert, was a meteorologist with the NWS in Manhattan for over forty years. He also manned a weather substation in his own backyard since 1921 as a hobby. When he died in 1952, his son continued the family tradition.



Franklin Walbert (left), Department Chief, accepted a 25-year Institutional Award on behalf of the University of Maryland, Agromony Department, Forage Research Farm, Clarksville, MD. Presentation was made by James Smith (right), Cooperative Program Manager, Baltimore, MD.



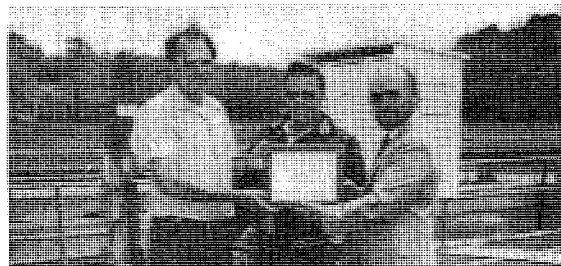
Michael Reber, Dr. Robert Ulanowicz, and David Cargo were presented a 50-year Institutional Award on behalf of The Chesapeake Biological Laboratory, Solomons, MD. Presentation was made by James Smith.



First Sergeant Roger A. Miles (right) was presented a 25-year Institutional Award on behalf of the Maryland State Police Barracks "0", Hagerstown, MD. Presentation was made by James Smith.



John E. Tucker, (right) Secretary and Chief Engineer, of the Mahoning Valley Sanitary District, Mineral Ridge, OH, was presented a 50-year Institutional Award from Michael Wyatt.



Messrs. Bob Van Skiver (left) and Guy Stover were presented a 25-year Institutional Award on behalf of The City of Sidney, Waste Water Treatment Plant, Sidney, OH. Presentation was made by Michael Wyatt, Cooperative Program Manager.



Vernon Mong, observer at Stoystown, PA, was presented a 20-year pin by Donald Willson, Cooperative Program Manager, Pittsburgh, PA.



Lon Miller, observer at Stump Creek, PA, was presented a 10-year pin by Donald Willson.



Stanley Bimber, Cooperative Observer at Scandia, PA, was presented a 10-year pin by Donald Willson.

SOUTHERN REGION



U.S. Rep. Charles W. Stenholm (second from right) presented the John Campanius Holm Award to John D. Isenhower (left) at the Putnam, TX Community Center. Mrs. Isenhower is shown having a firm grip on the award. On the right is Mr. Skip Ely, WSFO/FTW. Presiding as master of ceremonies was Bob Manning.



Mavis Altmiller was presented the prestigious Holm Award at a gathering at the Darrouzett Methodist Church. Miss Altmiller has been the official weather observer at Darrouzett for the past 38 years. Andy Anderson and Chuck Megee presented the award.

Roe Davidson, observer at Shamrock, Tx, received his 40-year length-of-service award from Chuck Megee.

(NO PICTURE)



J. L. Wedeward, Chief (right) and E. L. Rodriguez, Supv. Engr. Tech. (left) at Elephant Butte Dam, NM, were presented a 75-year Institutional Award by Dick Snyder.



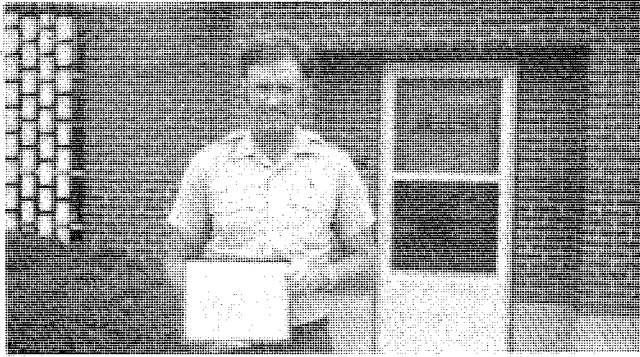
Robert Chandler, observer at Selma, AL, was presented a 20-year award by Ron Ferguson.



Mrs. Alta F. Garner, observer at Amity, AR was presented a 35-year pin and letter of appreciation by Woody Currence.



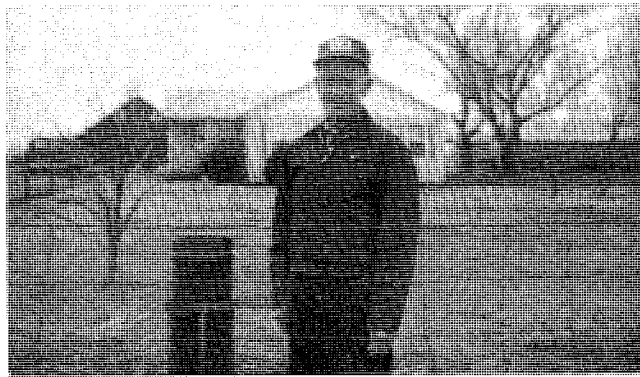
B. M. Walther, observer at Cabot 4 SW, AR, is shown accepting his 35-year award. From left to right - Woody Currence, B. M. Walther, observer, Nelson de Villiers, and Lee Harrison.



Cliff Hays, Project Manager at Keystone Lake, OK, was presented a 25-year Institutional Award by John Lambert.



Pat Hancock of Sedan, OK, was presented a 20-year service award from John Lambert.



John Doennig of Chelsea, OK, was presented a 20-year length-of-service award from John Lambert.



Frank Hill (right), observer at Tahoka, TX, was presented a 30-year service award by Chuck Megee.



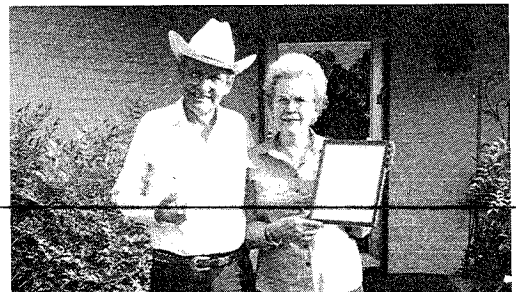
John Teeman of Lookeba, OK, was presented a 20-year service award from John Lambert.



Wilson Crawford, Canadian 1 NE, TX, was presented a 25-year service award by Chuck Megee.



William Cavin of Ramona, OK, was presented a 20-year service award from John Lambert.



Chester and Margie Wiley, observers at Aledo 4 SE, TX, were presented a 25-year award by Bob Manning.

LENGTH OF SERVICE AWARDS FOR 1983



W. Russel Lace (pictured with his wife) was presented a 20-year service award as official observer at Burleson 2 SSW, TX by Bob Manning.

ALABAMA	STATION	YEARS
Eddie L. Pearce	HAMILTON 3 S	10
Arthur C. Brunson	ELBA	10
Railford C. McCool	REFORM 2 E	15
Mrs. Mary K. Lee	LEEDS	15
Alabama Power Company	JORDAN DAM	15*
Alabama Power Company	GORGAS	15*
William E. Miller, Jr.	BAY MINETTE 3 NNW	15
HUNTSVILLE WSO AP	HUNTSVILLE WSO AP	20*
City of Heflin	HEFLIN	20*
Radio Station WCRI	SCOTTSBORO	25*
Frank Turner	PITTSVIEW	25
Mike Morris	GREENVILLE	25
Leroy Gates	THOMASVILLE	30
Edward B. Stallworth	PINE APPLE	30
Corps of Engineers	CLAIBORNE L & D	30*
Alabama Power Company	WADLEY	50*



Nealy M. Berry, observer at Emory 7 S, TX was presented a 20-year award by Bob Manning. He is pictured with his wife.

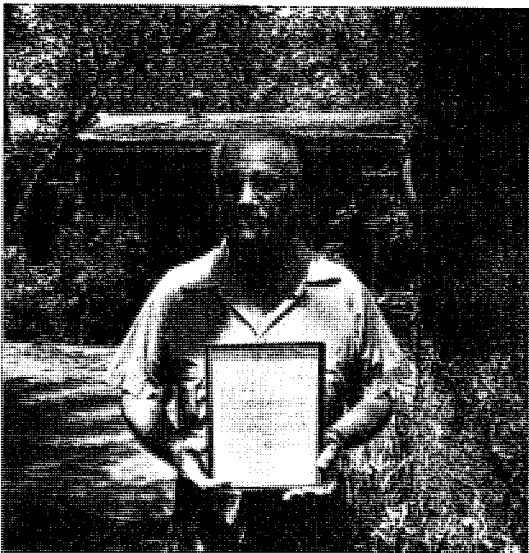
ARKANSAS		
Mrs. Viola Hollowell	MADISON 1 NW	10
Charles L. Jones	CORNING 2 E	10
L. B. Haddox	PINE BLUFF	10
Billy L. Willis	CLARKSVILLE	10
C. W. Thornley	CALICO ROCK	10
Clarence P. Mathis	MAMMOTH SPRING	15
Jess J. Harrison	GREENLAND 1 SE	15
Clarence L. Westmoreland	ARKANSAS CITY	20
Mrs. Willie C. Garrett	PINE RIDGE	20
Mrs. Pauline A. Pinkerton	ATHENS	20
Radio Station KWYN	WYNNE	25*
Radio Station KTLO	MOUNTAIN HOME 1 NNW	25*
James L. Cristee	FT SMITH WATER PLANT	25
Paul M. Breckenridge	BEEDEVILLE	35
Mrs. Dorothy M. Been	GREENWOOD	35
B. M. Walther	CABOT 4 SW	35
Mrs. Alta F. Garner	AMITY 3 NE	35
William D. Bivens	WALDRON	40

FLORIDA

E. Phillip Hansen	PANACEA 4 SSE	15
Mrs. Bruce Gray	FEDERAL POINT	20
Leonard S. Zepp	DEFUNIAK SPRINGS	20
Radio Station WSIR	WINTER HAVEN	25*
City of Melbourne	MELBOURNE	25*
University of Florida ARC	IMMOKALEE 3 NNW	25*
Saint Regis Paper Company	GRADY	25*

NEW MEXICO

H. M. Jackson	TURQUOISE	10
George W. King	RAGLAND 4 E	10
Lloyd Morrow	HOUSE	10
C. Neal Vaughn	FORT SUMNER 5 S	10
Mrs. Eloise McDorman	FENCE LAKE	10
Lewis Lujan	ESPANOLA HWY BRIDGE	10
L. E. Rinestine	RINESTINE RANCH	15
Mrs. Alice Lobato	GLORIETA	15
Ray L. Black	DES MOINES	15
Ramon Trujillo	BLACK LAKE	15
Nelson McBride	THOREAU 5 ENE	20
Mrs. James E. Bartley	GASCON	20
U.S. Forest Service	TRES PIEDRAS	25*
Tom E. Kelly	KELLY RANCH	25
William A. Snipes	CIRCLE F RANCH	25
Ms. Jane Turnbull	FARMINGTON 3	30
Bureau of Reclamation	ELEPHANT BUTTE DAM	75*



Dallas V. Farmer, observer at Valley Mills, TX, was presented a 20-year length-of-service award from Al Starnes.

GEORGIA

Southwest GA Branch Exp Sta	PLAINS SW GA EXP STA	10*
Cicero W. Swint	JONESBORO	10
John M. Harrell	EATONTON	10
James E. Fortner	DAHLONEGA 3 NNW	10
Ralph H. Ayers	CEDARTOWN	10
William O. Ley	QUITMAN 2 NW	10
Howard P. Ledford, Jr.	MOUNTAIN CITY 2 N	15
Don P. Cobb	GLENNVILLE	15
Northwest GA Experiment Sta	CALHOUN EXP STATION	15*
Allen C. Longino	WOODBURY	20
Thomas F. Cousins	TAYLORSVILLE	25
Mrs. Florence Y. Sailers	MAYSVILLE	25
Mrs. Mary A. Polk	NEWINGTON 2 NE	30
W. C. Cromley, Jr.	BROOKLET 1 W	30

LOUISIANA

Mr. Carmen R. Rabalais	SIMMESPORT	10
Mrs. Olive B. Hill	KEITHVILLE	10
Saint Joseph Abbey & Seminary	COVINGTON 4 NNW	20*
U.S. Corps of Engineers	VIDALIA-NATCHEZ	25*
Louisiana State University	PLAQUEMINES EXP STA	25*
National Weather Service	FRANKLINTON	25*
LA Office of Forestry	FLUKER FIRE TOWER	25*
Alex Courville	KINDER 3 W	30
New Orleans Sewerage & Water	NEW ORLEANS DPS5	50*

MISSISSIPPI

B. A. Harris	VANCE 1 SW	10
Hugh W. Spitchley	ROCKPORT	10
Troy E. Palmer	NEW ALBANY	10
Mrs. Reba Reeves	MERRILL	10
Jerry A. Knebel	BILOXI CITY	10
Mrs. H. M. Hudson	WINONA 5 E	20
Mrs. Erlene B. Hellums	SEREPTA 1 NNE	25
James W. Wright	LAKE CORMORANT 1 W	25
Jack L. Fillebaum	BOVINA	25
Will E. Ridings	ABERDEEN	25
Hugh H. Leard	PURVIS	30
Bernard H. Coggins	BALDWYN	30
Mrs. Pearllee M. Little	ENTERPRISE	35
Wesley V. Stribling	CANTON	35

OKLAHOMA

Thomas M. Raburn	GUYMON	10
Clarence A. Gardener	WOODWARD	10
W. Ray Conkling	THOMAS	10
Marvin Miller	ROOSEVELT	10
James E. Morgan	ROFF 3 NW	10
C. Lowell Cooper	MUTUAL	10
Oran W. McGlothlin	MACKIE 4 NNW	10
Zane E. Payne	COLONY	10
Clifford P. Buellesfeld	BLACKWELL 2 E	10
George L. Oller	BILLINGS	10
Melvin H. Thomas	AVANT	10

OKLAHOMA cont'd.

Mrs. Gene Lewis	VALLIANT 3 W	10
Mrs. Isabella W. Carter	WANN	15
Donald A. Hoover	TONKAWA	15
Darrel E. Farrow	MANNFORD 6 NW	15
Ira J. Griggs	CRESCENT	15
Mrs. Ethel D. Orr	MC CURTAIN 1 SE	15
Mrs. Loretta B. Eubanks	LYONS 2 N	15
Dan H. Engle	SEILING 3 N	20
Pat C. Hancock	SEDAN	20
William T. Snipes	MANGUM 1 S	20
John R. Teeman	LOOKEBA 2 ENE	20
Jefferson L. Walker	HEADRICK 3 E	20
Orval Whitworth	CARNEGIE 2 ENE	20
Henry M. Martin	SNYDER	25
Archie C. Thomas	MORAVIA 2 NNE	25
Grover C. Bayless	ARNETT	25
Oklahoma Forestry Division	BROKEN BOW 1 N	25*
Clemon G. Clewell	WATONGA	30
Wayne Wolfe	LEHIGH	30
Lee V. Hargus	BUFFALO	30
Thomas E. Logan	MAYFIELD	35
Mrs. Alta H. James	MARAMEC	35
Mrs. Prudie B. Corder	KINGSTON	35
Ms. Helen L. Crane	GRANDFIELD	40
State Forestry Division	CARTER TOWER	45

PUERTO RICO

Jorge Davila-Quintana	SAN LORENZO 3 S	10
Charles E. Pennock	CANDELARIA - TOA BAJA	10
Rio Grande Job Corps Center	RIO GRANDE-EL VERDE	25*
Puerto Rico Water Res Auth	MORA CAMP	25*
Dorado Beach Hotel	DORADO 2 WNW	25*

TENNESSEE

Truman L. Garrett	LEBANON 7 N	10
Tullahoma Public Util. Bd	TULLAHOMA	100*
Mrs. Ruby P. Galloway	SUNBRIGHT 1 W	20
Marion D. Deering	LAFAYETTE	25
Lawson M. Safley	SPRINGFIELD EXP STA	30
Raymond B. Hinton	BETHPAGE	30

TEXAS

Mrs. Opal Polach	SHEFFIELD	10
J. E. Sorrells	KNAPP 2 SW	10
Mrs. Hellen E. Pollard	GRANDFALLS 3 SSE	10
Earl Elrod	BROWNFIELD NO 2	10
Milton R. Felts	SABINAL	10
Ms. Pauline A. Post	RAYMONDVILLE	10
Vernon S. Ezzell	RINGGOLD	10
Medford Whisenant	PILOT POINT	10
Goodson Sellers	MUNDAY	10
Preston English	MINEOLA 8 ENE	10
Mrs. Forbes L. White	HUCKABAY 2 NW	10
Mrs. G. A. Hines	CLARKSVILLE 2 NE	10
Mrs. Leona G. Anderson	WINKLER	10
Mrs. Jetta M. Kroll	RICHARDS	10
Mrs. Amabile Kirkpatrick	MULLIN	10
City Water Plant	BURNET	10*
Don Payne	BUFFALO	10
Mrs. Jack Ruthven	BLUE	10
Jack C. Shadowsen	DE BERRY	10
J. H. Kershaw	PERRYTON 5 NNE	15
Jack R. Skiles	LANGTRY	15

TEXAS cont'd.

Edgar Schwarz	BOERNE	15
Sam L. Porter	DICKENS	15
Roy O. Rice	WINTERS 1 NNE	15
David F. Westerman	THORNDALE	15
Mrs. E Noelle Hollingsworth	SPICE WOOD 1 S	15
Pat Brown	SONORA	15
Ernest N. Johnson	ROUND ROCK 3 E	15
Ferman F. Curry	GATESVILLE	15
Ralph McKinney	FRANKLIN	15
Royce Wilson	CENTERVILLE	15
Radio Station KXYL	BROWNWOOD	15*
W. G. Stein	BRENNHAM	15
Corps of Engineers	BELTON DAM	15*
Mrs. Maybell Kellum	ALTO 5 SW	15
Thomas Kellum	ALTO 8 SW	15
James W. Forbes	CENTER	15
John E. Moffatt	SEMINOLE	20
John Hayes	PECOS 2 ENE	20
Kimball T. Reddell	GALL	20
Stuart J. Haby	VANDERPOOL 10 N	20
Mrs. Wilma T. Bennett	DERBY 1 S	20
Elmer E. Booth	CHARLOTTE 5 NNW	20
Mrs. Audrey W. Varga	CARTA VALLEY	20
Mrs. Helen K. Kennedy	BOERNE 8 NE	20
Travis R. Smith	JAYTON	20
Nealy M. Berry	EMORY 7 S	20
W. Russell Lace	BURLESON 2 SSW	20
Mrs. Elizabeth Howell	ASPERMONT 13 N	20
Dallas V. Farmer	VALLEY MILLS	20
William L. Warren	PAINT ROCK	20
Mrs. Lorine R. Jenke	FEDOR	20
Mrs. Edgar A. Ahrens	COTTONWOOD	20

TEXAS cont'd.

Mrs. Bessie L. Olson	CHALK MOUNTAIN	20
Don H. Webster	CEDAR PARK 2 NW	20
Wilson Crawford	CANADIAN 1 ENE	25
Big Spring Field Station	BIG SPRING FIELD STN	25*
City of West Columbia	WEST COLUMBIA	25*
Willacy Co. Navigation Dist	PORT MANSFIELD	25*
Pierce Ranch	PIERCE 1 E	25*
Hilmon Latham	WOODSON 5 NNE	25
Mrs. Margie M. Wiley	ALEDO 4 SE	25
Mrs. James T. Hinshaw	STERLING CITY	25
Ed Hamilton	TAHOKA	30
W. R. Hampton	HICO	30
Gilbert Westerfield	CRAWFORD	30
Johnny C. Kovar	CALDWELL	30
Theodore C. Busselle	WARREN	30
Grover Springer	LENORAH	35
Thomas G. Jeter	REFUGIO	35
Hal W. English	GREENVILLE 7 NW	35
Madison G. Wilson	MAYPEARL	35
Rol C. Davidson	SHAMROCK	40
Chester B. Cox	RED SPRINGS 2 ESE	40
Paul West	DACUS	40
Mrs. Addie L. Koenig	RUNGE	50
		60
VIRGIN ISLANDS		
National Park Service	LAMESHUR BAY	25*

* Denotes Institution

USCOMM-NOAA-ASHEVILLE, N.C.

1983 - 12,000

DEPARTMENT OF COMMERCE
 NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
 NATIONAL ENVIRONMENTAL SATELLITE, DATA, AND INFORMATION SERVICE
 NATIONAL CLIMATIC DATA CENTER
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