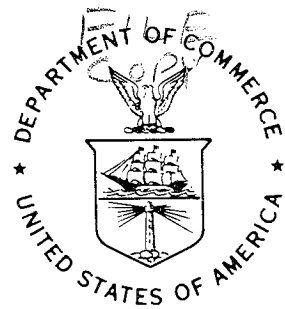


The National Cooperative Observer Newsletter

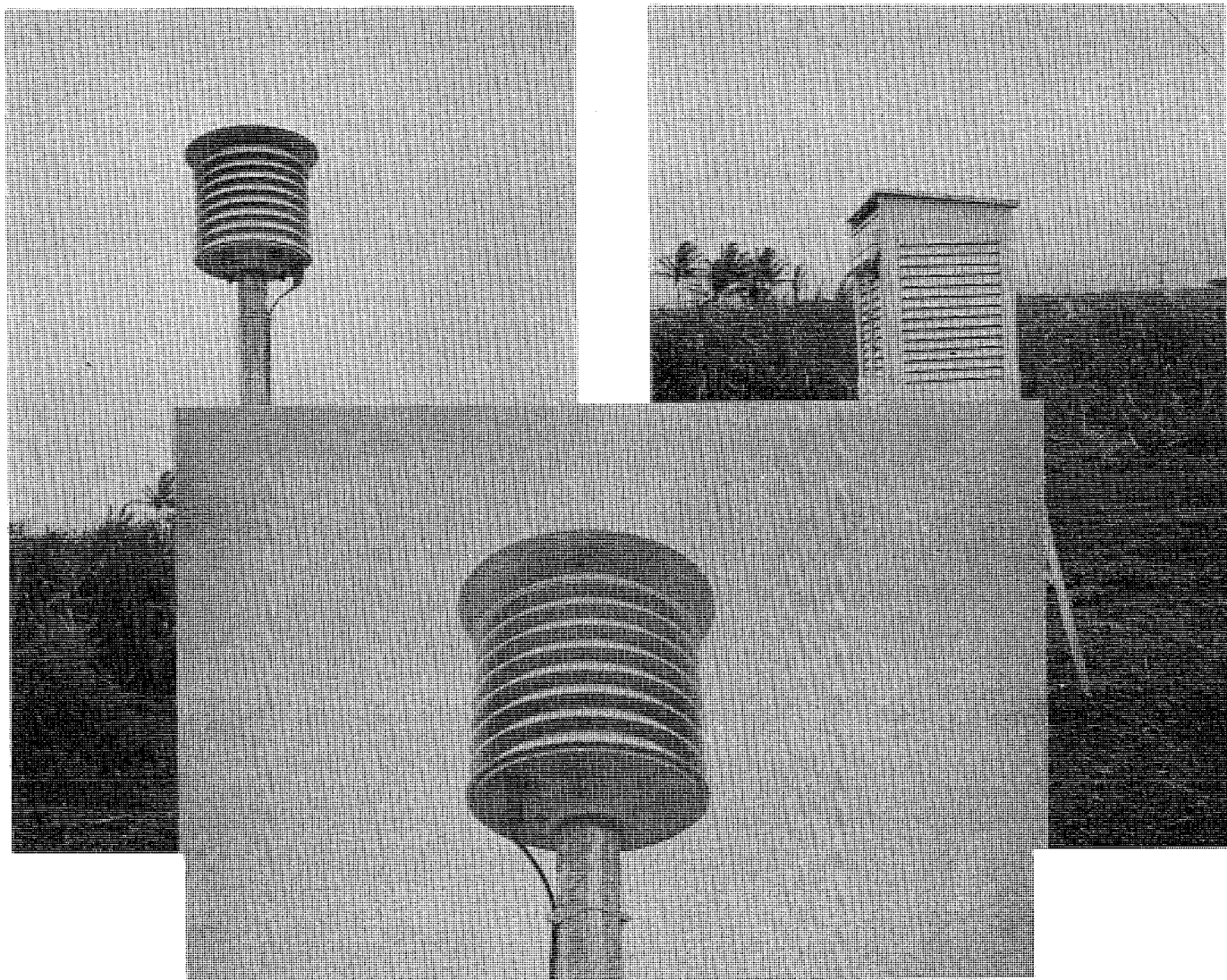


SUMMER 1984

Volume 1

Number 3

EASTERN REGION SOUTHERN REGION CENTRAL REGION



WESTERN REGION

ALASKA REGION

PACIFIC REGION

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NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

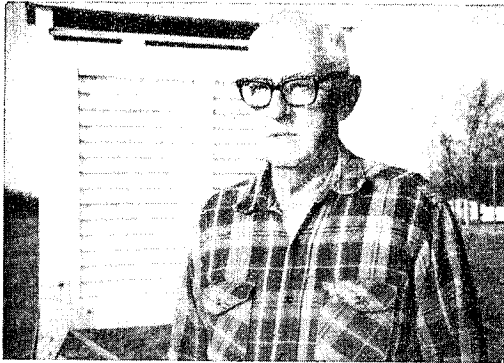
NATIONAL WEATHER SERVICE

EASTERN REGION

ABOUT THE COVER: The new maximum/minimum temperature system (MMTS) which will eventually replace the Cotton Region Shelter (CRS). Field installation of the AC-powered MMTS began in 1983.

DEATH OF CPM

With sincere regret, we learned that John K. Karlock, CPM, Allentown, PA, passed away January 30, 1984. We will all miss him.



J. Harmon Moore, cooperative observer at Monroe 4 SE, NC, was presented a 30-year award by Earl Rampey.



Charles Harris, Chief Ranger, Oconaluftee Ranger Station, is shown accepting a 25-year Institutional Award on behalf of the National Park Service, Oconaluftee, NC. Presentation was made by Earl Rampey, CPM for Western North Carolina.



Kathleen Wandell (left), cooperative observer at Myerstown, PA, was presented with a 40-year service pin along with letters from the Assistant Administrator for Weather Services and Director of the Eastern Region. Presentation was made by Ms. Betty Borger, Chief, Regional Cooperative Program Staff, Garden City, NY.

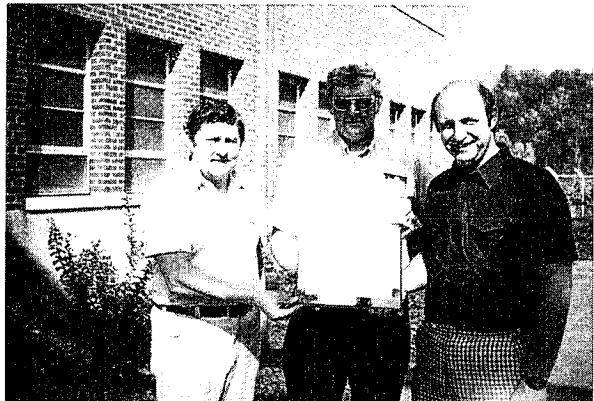
Mrs. Wandell is a retired school teacher and a very interesting lady.



Margaret Sease Jayroe, cooperative observer, Little Mountain, SC, was presented a John Campanius Holm Award by Bernie Palmer, MIC, WSFO, Columbia, SC.

The weather station at Little Mountain was established in October 1893, and has been in the Sease family since Dr. J. M. Sease was the first observer. His daughter, Elberta, succeeded him in 1923 and served until 1962. At that time her niece, Margaret Sease Jayroe, took responsibility for the weather station. Three observers, all in the same family, have served at this station. Over the years, other family members have served in a substitute capacity.

Photo by Earl Rampey.



John Fayssoux, Plant Manager, is shown accepting a 25-year Institutional Award on behalf of the Duke Power Company, Lee Steam Station, Belton, SC. Presentation was made by Earl Rampey. Left to right: Wilton E. Knight, Howard L. Wall and John Fayssoux.



Marshall B. Saunders, cooperative observer at Ruffin, SC, was presented with a 20-year Length of Service Pin by Earl Rampey.

SOUTHERN REGION



Pauline A. Pinkerton, observer at Athens, AR, was presented a 20-year length-of-service award by Woody Currence.



Helen Kennedy and husband, observers at Boerne 8 NE, TX, were presented a 20-year award by Bill Crouch (left).



Mrs. Bruce Gray, observer at Federal Point, FL, was presented a 20-year award by Tom Clarke. The station has been in the family for the past 44 years.



Mrs. James E. Bartley, observer at Gascon, NM, was presented a 20-year award by Dick Snyder.



William Ott, Converse, LA, was presented a 20-year award by Malcolm Moreau.



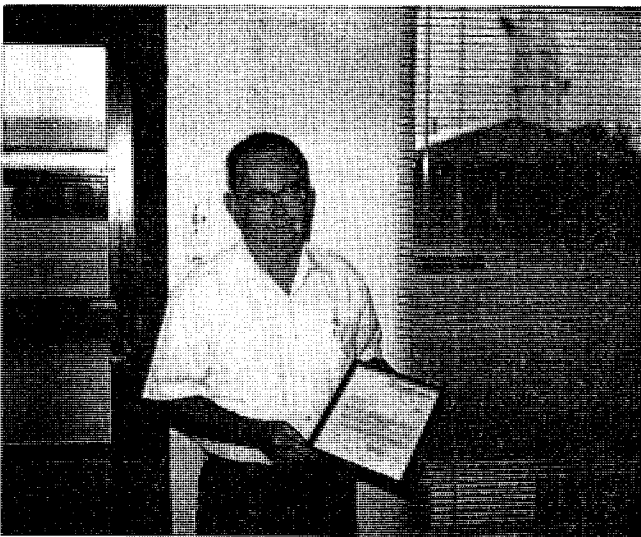
Mr. and Mrs. Stuart J. Haby, observers at Vanderpool 10 N, TX, were presented a 20-year award by John Shelton.



Darrell Head, observer at Center City, TX, was presented a 20-year award by Al Starnes.



Travis R. Smith (pictured with wife), observer at Jayton, TX, was presented a 20-year award by Bob Manning.

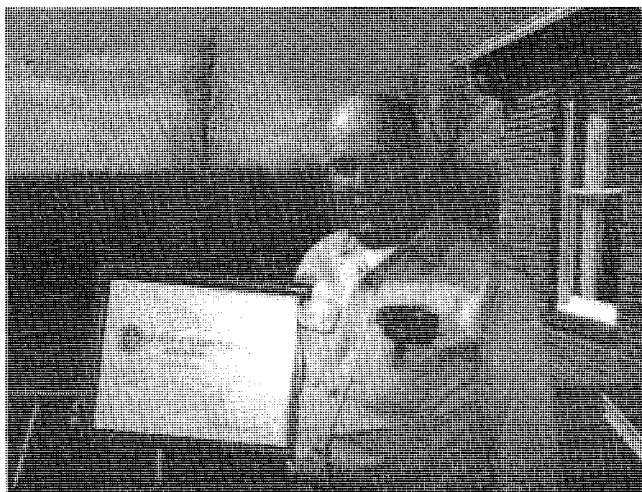


John E. Moffatt, observer at Seminole, TX, was presented a 20-year award by Chuck Megee.



Audrey W. Varga, Carta Valley, TX, was presented a 20-year award by Charles Ridge, Chief RCPB.

CENTRAL REGION



J. Bon Hartline, Anna l E, IL, was presented the John C. Holm Award for more than 39 years service.



Richard A. Feser (right), cooperative observer, Springfield l NW, MN, was presented the John Campanius Holm Award for outstanding performance. Mrs. Feser is in center. Gary McDevitt (left), State, Hyd., presented the award. Leo Behrens, CPM, MN, took the picture.



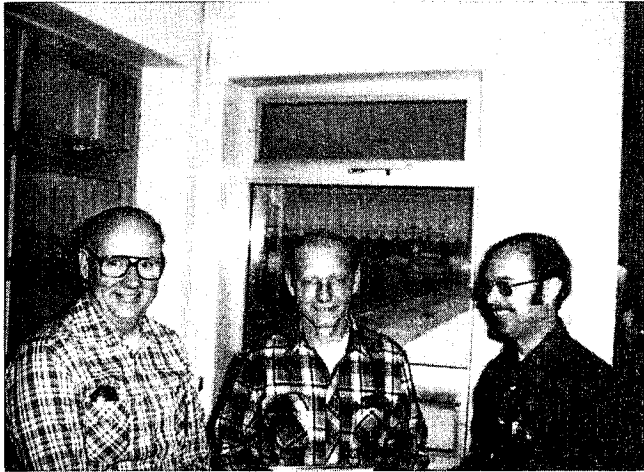
John A. Zember, standing before his stone house near the summit of La Venta Pass in south central Colorado, was presented a 30-year award by Bill Tate, CPM, WSFO Denver. John maintains a recording rain gage at this high altitude station called Mule Shoe Lodge l SSE.



Louis Jessick (right), Cross Village, MI, was presented the John Campanius Holm Award by Stephen Hicks, CPM. Mr. Jessick was honored at the Knights of Columbus Meeting in Pellston on September 15, 1983.



Vertie L. Hasty, Rye, CO, was presented a 10-year length-of-service award by Bill Tate. Although this award is only for 10 years, Mrs. Hasty explains that she and her husband reported for Rye, CO, for over 22 years total. Mr. Hasty manned that station for 12 years before his death 10 years ago.



Lockmaster Walt Gatza (left) and Assistant Lockmaster Charles Andrews (center), Marseilles Lock C.O.E., IL, were presented a 50-year Institutional Award by Tom Dietrich, NWS Office, Chicago.



William "Bill" Keller (second from left), West Shoals, was presented a 25-year pin for his quarter century of excellent service for the National Weather Service. Presentation was made by Albert Shipe (left), Hydrologist, State Office at International Airport, Indianapolis. He was accompanied to Shoals by CPM John Hennek (right), an employee of the NWS, Indianapolis office. Mrs. Fern Keller (second from right), has played an important role in the efficient carrying out of her husband's duties with the NWS over the past 25 years. Pictured at right behind the group is a Temperature Thermometer box, located at the Keller residence, which Bill uses in his daily reports called into the Indianapolis office. A Recording Rain Gauge, which makes recordings on tape every fifteen minutes and provides valuable assistance in the rainfall collected by Bill, is also located on the Keller property. Also checked carefully is the River Gauge on White River Bridge, to measure the river stage here every twenty-four hours.

Bill is the third generation member of the Keller family who has been employed by the NWS.



Thelma Lane, Sidell, IL, received recognition from the NWS for serving 35 years, from Jerry Wolfe, Springfield, IL.



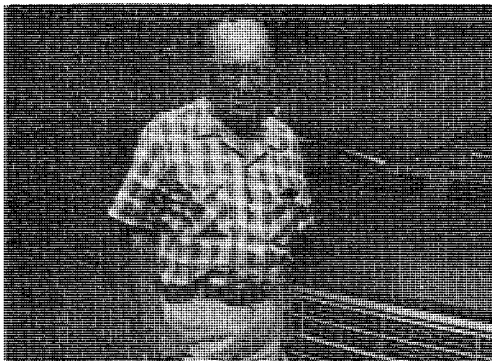
Thomas Hicks (left), City Clerk, and Everett Rowden (right), Sup't of Utilities, Hugoton, KS, were presented a 25-year Institutional Award by Mike Elias.



Ray Gosnell, Clinton 1 NW, KS, was presented a 30-year award by Al Shipe.



Ray Lafallette, Georgetown Water Works, KY, was presented a 20-year service pin.



Lahan E. Wallace, Jr., Louisa, KY, was presented a 20-year service pin.



Roy Detrick, Upland, NE, was presented a 25-year service pin and a letter of congratulations, March 1, 1984, from Tom Sinclair, CPM/OMA.



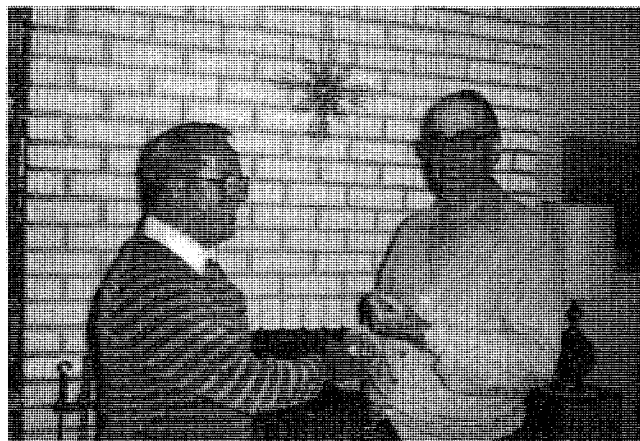
Rex Potter (right), is shown accepting a 25-year Institutional Award for the Mt. Pleasant University Power Plant, MI, presented by Ken Rizzo MIC/LAN.



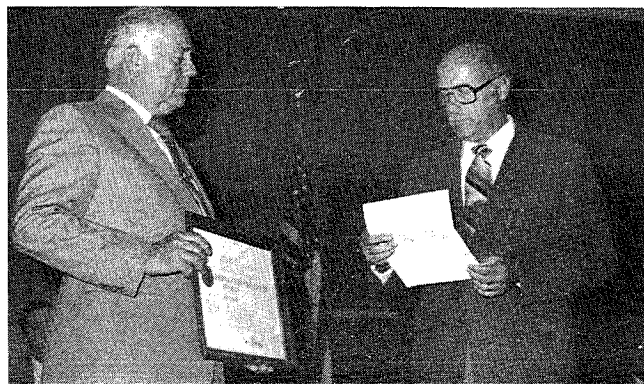
Earle Rentzch of Oshkosh 8 NE, NE, was presented a 25-year award by Mike Elias.



Joe Kotok (left), is shown accepting a 25-year Institutional Award for the Agassiz National Wildlife Refuge, Middle River, MN. Leo Behrens (right), CPM, Fargo, presented the award.



Albert H. Gull, Edgemont, SD, was presented a 35-year pin. He also received the Holm Award in 1974 and was nominated for the Jefferson Award in 1983.



Lou Brown (left), Police Chief of Pacific, MO, was presented the John Campanius Holm Award. Bob Hamilton, MIC, St. Louis, read the citation describing the outstanding work Mr. Brown has done for the NWS and his community the past 28 years. He was especially cited for his river readings from a motor boat during the December 1982 flood. Photo by Al Bertram.



Mr. and Mrs. Phil Gerber, Danbury, WI, were presented a 25-year pin.

WESTERN REGION

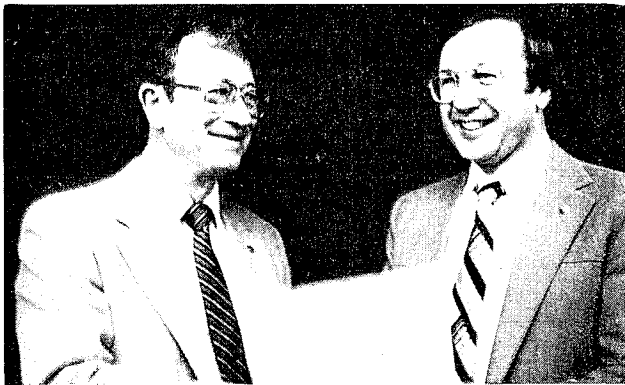


Charles O. Coulter, Exeter-Fauver Ranch, CA, was presented a 45-year length-of-service award by Lyle Hammer, MIC, WSO, Fresno.

Mr. Coulter began taking observations when he was foreman of the Exeter-Fauver Ranch and subsequently purchased the ranch and continued as observer.



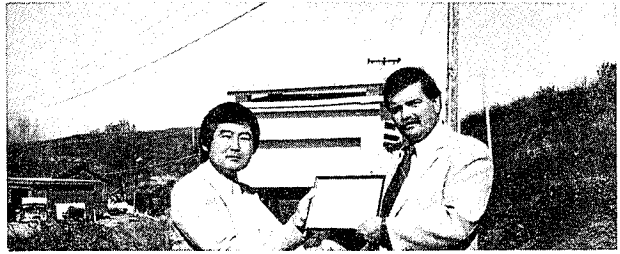
Jack Kaech, Frances, WA, was presented a 35-year length-of-service award on January 23, 1984, by Richard Hutcheon, Area Manager, Seattle, WA.



On March 2, 1984, Sidney O. Howick, CPM, Portland, OR, retired after 38 years of Federal service. On March 16 a retirement party was held for Sid. Pictured are George Miller (right), Area Manager, Portland, OR, who presented Sid with a letter from Regional Director Hazen Bedke.

Sid began working for the Weather Service in 1947 in Seattle, WA, and in addition to his years in Portland, he was also assigned to Eureka, CA.

As evidence of his dedication and high level of technical proficiency, Sid has been awarded many commendations, special and superior performance awards over the years, including the Department of Commerce Bronze Medal Award in 1970 and the NOAA Unit Citation in 1980.



Chief Woodrow Downing, is shown accepting a 25-year Institutional Award for the Alpine Fire Department, Alpine, CA, from Wilbur Shigehara, MIC, WSO, San Diego, CA.



Thelma Kalsta, Glen 4 N, MT, was presented a 25-year length-of-service award.

Mrs. Kalsta is a life-long resident of the Big Hole River area, having been born at Wise River and then living at Divide for a time before moving to the Melrose-Glen area.

Long before Thelma became a weather observer she was well aware of the weather in the Big Hole area and recalls that on February 9, 1933, the temperature fell to a record 54 below zero at Melrose. Records published in the February 1933 Climatological Data for Montana show that Butte, Ovando, and Wisdom all checked in with 52 below on that date.



Harry Henneck (left), City Supervisor, is shown accepting a 25-year Institutional Award for the city of Elma, WA, from Richard Hutcheon, Area Manager, Seattle, WA.

IDAHO

Dorothy F. Beal, Ola 4 S, 20-year award.

MONTANA

John L. Kane, Pryor, 15-year award.

Jerry Lindberg, Galata 16 SSW, 10-year award.

Evelyn Thompson, Winifred, 10-year award.

OREGON

Martin V. Renhard, Colton, 15-year award.

PACIFIC REGION



Carolyn H. Carlson, South Kona, HI, was presented a Special Service Award by OIC, Howard Tatum.



Philo L. Gillard (left), Kailua Heights, HI, was presented a Special Service Award by Howard Tatum, OIC, WSO, Hilo.



Helen Ceballos, Kekaha Sugar Company, Kauai, was presented a Special Service Plaque by OIC, John Tabonair.



Paul Ikene (left), Station Manager, Hawaiian Sugar Planters' Assn., Maunawili Oahu, was presented a Special Service Plaque by R. Ho.



Rose Fujimori, Puukohala Heiau NHS, HI, was presented a Special Service Award by OIC, Howard Tatum.



Roy Miyake (right), Hawaiian Telephone, Lihue, Kauai, was presented a Special Service Plaque by OIC, John Tabonair.



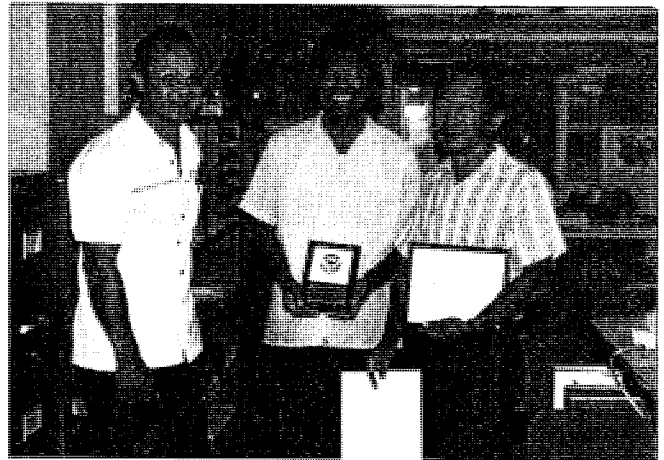
Rachel Tamura, Lihue Plantation, HI, was presented a Special Service Plaque by OIC, WSO, Lihue, John Tabonair.



Jack Poppe (center) and Kelly Loo (right) are shown accepting a 75-year award for Davies Hamakua Sugar, Kukuiahaele, HI, from OIC, Howard Tatum.



Ruth Tasaka, Haina, HI, was presented a Special Service Award by Howard Tatum.



DOUBLE PRESENTATION

Chester Lao (right), Hydrologist-Geologist, Board of Water Supply, Honolulu, was presented a 25-year Institutional Award for Beretania Pumping Station, Oahu.



U.S. Coast Guard, Upolu Point, HI, was presented a Special Service Award by OIC, Howard Tatum.



Dr. Donald Mitchell, Ahuimanu Loop, Oahu, was presented a 15-year Individual Award by R. Ho, CPM Area II, Honolulu.

ALASKA REGION

A new climate station was opened at Portage 1 S. The station is located at mile 48.1 of the Seward Highway at the turnoff to Portage Glacier. Elaine Anderson is our new observer. Arrangements are being made to install a new climate station at Port Protection in southeast Alaska. Port Protection is located 66 air miles southwest of Petersburg. The new observer will be Shirley Piedra.

The first Maximum/Minimum Temperature System (MMTS) was installed at Angoon in southeast Alaska. As soon as the snow cover is gone and the ground thaws, we will endeavor to install the remaining units being held in Anchorage.

There are still some Mod 6 Solar Panel and rechargeable battery kits to be installed at Fischer-Porter sites within the State. With the warmer temperatures, snow depths have begun dropping rapidly around the State. The sites at Girdwood, Twelve Mile Lake, and Glacier Park Resort should be completed in the near future with the help of the Hydro-Tech David MacFarlane.

We are still receiving climate forms with the time of observation missing. All blanks at the top of the climate form that apply to the station should be filled in.

Most of the Alaskan stations are very conscientious about mailing the climate forms on or very close to the 1st day of each month. We appreciate your effort. We realize that some locations have nonscheduled mail service and that inclement weather may cause delay.

The importance of early receipt of records has always been emphasized. Numerous individuals and agencies have immediate use for the data after each month from those stations not programmed for a daily real-time schedule.

Data from all types of stations are hopefully received within a certain timeframe at the National Climatic Data Center in connection with processing for preparation of publication. Even a few days delay can mean the difference between published data or missing data.

The State of Alaska covers a vast area and even during the summer months, the northern part of the State can be reporting snowfall instead of rain. I would like to remind all observers, particularly in southeast Alaska, that when there is no chance of freezing precipitation to occur, replace the funnel and inner measuring tube in the 8-inch standard rain gage and the funnel in the recording rain gage.

Another article by Neil Davis of the Geophysical Institute, University of Alaska, to enlighten our observers as to why it is so cold in Alaska compared to the lower 48.

"A characteristic of life in the north is the small daily range in air temperature, at least compared to regions to the south. The main reason for the relative constancy of air temperature is the comparatively small change in solar elevation each day at high latitude. In the extreme, above the Arctic Circle, the sun does not come up at all in midwinter and so provides no warming heat. In midsummer, the sun scoots around the sky without changing its elevation angle by more than a few tens of degrees.

When the sun is low in the sky a large fraction of the energy in sunlight is absorbed by the atmosphere. Also, the sunlight that does get through strikes a large area of the ground. Consequently a unit area of ground surface receives far less solar energy when the sun is near the horizon than when the sun is high overhead.

Even when the sun is directly overhead (elevation angle 90°), only about 60% of the sun's energy impinging upon the earth's atmosphere reaches the ground. That percentage is nearly halved by the time the sun drops to 45° above the horizon.

When the sun is within 10° of the horizon, there is such minor heating at the base of the atmosphere that on northern midwinter days we see little noontime warming."

USCOMM-NOAA-ASHEVILLE, N.C.-1984-12000

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