

The National Cooperative Observer



WINTER 1991

VOLUME 9

NUMBER 2

EASTERN REGION SOUTHERN REGION
CENTRAL REGION



-- 100th ANNIVERSARY --

WESTERN REGION
ALASKA REGION PACIFIC REGION

noaa

NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

ABOUT THE COVER: Marilyn Tucker Quayle, wife of Vice-President, Dan Quayle, opened the National Ceremony, honoring the NWS Centennial Cooperative Weather Program and its observers. (Left) Robert Landis, Deputy Director of the National Weather Service; and (right) Dr. John A. Knauss, Under Secretary for Oceans and Atmosphere.

National Oceanic and Atmospheric Administration

NOAA Honors Volunteer Weather Observers

By Patricia Viets and Cynthia Smith

In 1891, Morris Judy began a weather station in Forestburg, S.D.; almost a century later his grandson Raymond Judy is still operating it. Just like the three previous generations, the Judys are always home by 6 p.m. to take the reading. "When we aren't there our daughter and son-in-law do it for us," says Marion Judy. "It has to get done."

Stanley Kasperek agrees. Kasperek, a volunteer weather observer in Nebraska, has risked his life obtaining river readings for the Fairbury station. Many years ago, during heavy river flooding, he tied a rope to himself and tied the other end to a tree. Then he had his wife pull him back to safety after he swam to the river gauge, surrounded by fast-moving, debris-filled water, for his reading.

When asked why he took such a chance to take a reading, he replied, "I felt it was important and somebody had to do it."

Judy and Kasperek are two of the 11,500 citizen volunteers who take weather observations for the government. They operate a network of volunteer observer stations located at 25-mile intervals across the country, recording daily temperature and precipitation data. The volunteers donate over a million hours of their time each year to record weather data. Many observers have made daily measurements for 30, 40 or 50 years.

Nine volunteers, including Judy and Kasperek, were NOAA's guests of honor on July 25, when they received plaques recognizing their contributions from Mrs. Marilyn Quayle. The honored observers operate weather stations that have existed for 100 years or more. Only 558 stations can make that claim.

"The United States is privileged to have 558 centennial stations, and we are fortunate to have these nine people represent them," Mrs. Quayle said. "The areas they represent, the weather they record, and their own backgrounds are diverse. But they share a common bond — the unselfish dedication that is the hallmark of volunteerism in America."

In addition to sharing their findings with local media and citizens, the observers' measurements are recorded at NOAA's National Climatic Data Center in Asheville, N.C., where they become part of the permanent official weather records of the United States.

This year the National Weather Service celebrates its 100th anniversary of civilian service. The former Weather Bureau was part of the Department of Agriculture from 1891 until 1940, when it was transferred to the Commerce Department, parent agency of NOAA, of which the weather service is a part.

"Few people realize that most of what we know today about our nation's climate is a direct result of the efforts of these dedicated volunteers," said Elbert W. Friday, NOAA Assistant Administrator for Weather Services. "The success of our climatological program is due in great measure to conscientious citizens like those being honored."

The observers who were honored are: John Gordon Cran, Hilo, Hawaii; Malcolm B. Harding, Middlebury, Vt.; Raymond Judy, Forestburg, S.D.; Stanley E. Kasperek, Fairbury, Neb.; Eugene A. Lopez, Springer, N.M.; John Maddox, Rome, Ga.; Luther T. Opjorden, Milan, Minn.; Sylvia Strong, Setauket, N.Y.; and John Willis, Olga, Wash.



Raymond Judy became the official observer of the Forestburg, S.D., station in 1971, continuing a tradition started by his grandfather. On either side of Mrs. Quayle is Judy and his wife Marion.



John Maddox of Rome, Ga., has operated a weather station that began in his family 136 years ago. Maddox is the fifth generation of his family to serve as a volunteer observer. With Mrs. Quayle is Maddox and his wife Lynn.



Sylvia Strong assumed the observing duties of the Setauket, N.Y., station after the death of her husband William Strong. The Setauket station began 116 years ago, and has always been operated by the Strong family. Left to right is Doris Mercier, a friend, Mrs. Quayle and Sylvia Strong.

National Oceanic and Atmospheric Administration



Eugene Lopez, of Springer, N.M., operates the weather station that began 104 years ago. At age 14, he is one of the nation's youngest observers. Standing with Mrs. Quayle is Lopez and his family. Left to right, Edwin Lopez, Martha Lopez, Mrs. Quayle, Eugene Lopez and his brother Mark.



John Gordon Cran operates the Hilo, Hawaii, station that began 105 years ago. Cran was the rainfall observer at the Kapapala Ranch (where the station is located) since his tenure as ranch foreman from 1953 to 1957. In 1977 he became owner. Born on the island of Hawaii, Cran has been personally acquainted with all the rainfall observers since he was seven years old. Left to right is Cran, Mrs. Quayle and Genevieve Gordon Cran.



The Olga, Wash., station has been operated by John Willis' family for 101 years. Willis took over observer duties when his father died in 1985, assisted by his sister Mary Willis Fox. Left to right are David Fox, Willis' brother-in-law, who also assists with the observer duties, Mary Willis Fox, Mrs. Quayle and John Willis.



Malcolm Harding of Middlebury, Vt., operates a station that began in his family 105 years ago and has operated continuously since. At the award ceremony is his wife, Barbara, left, Harding, center, and his daughter, with Mrs. Quayle.



The Opjorden family has observed the weather at the Milan, Minn. station for 108 years. Luther Opjorden, who operates the station now, is a Vietnam veteran who was an army captain decorated with the Air Medal. Left to right is Opjorden, Mrs. Quayle and Martha Opjorden.



Stanley Kasperek of Fairbury, Neb., operates a station opened 108 years ago. Kasperek became observer in 1958. Standing with Mrs. Quayle is Kasperek and his wife, Ella.

WESTERN REGION

-- 100th ANNIVERSARY --



A very impressive and cordial ceremony was held at the Herbert C. Hoover Building, Department of Commerce auditorium, in Washington, DC, July 25, 1991. Marilyn Tucker Quayle addressed congratulatory remarks and presented to nine selected Cooperative Weather Observers a National Centennial Award Plaque, in the presence of highest government officials, many federal employees, and distant guests.

Left to right: Ambassador Rockwell A. Schnabel, Deputy Secretary of Commerce; Dr. John A. Knauss, Under Secretary of Commerce for Oceans and Atmosphere (NOAA); Robert Landis, Deputy Director of the National Weather Service (NWS); Dr. Bruce Gardner, Assistant Secretary of Agriculture for Economics; and Dr. Mark D. Shulman, President of the National Association of State Climatologists; with nine honored observers (extreme right).



Our observers with their commemorative plaques, engraved in solid oak wood with signatures of: Clayton Yeutter, Secretary of Agriculture; Robert Mosbacher, Secretary of Commerce; Dr. Bruce Gardner; and Dr. John A. Knauss.

Front row: John Gordon Cran, Kapapala Ranch, HI; Luther T. Opjorden, Milan 1 NW, MN; Sylvia C. Strong, Setauket Strong, NY; Raymond Judy, Forestburg 3 NE, SD; Stanley Kasperek, Fairbury, NE; and John Willis, Olga 2 SE, WA.

Second row: Robert Landis; Dr. John A. Knauss; our observer from Rome, GA, John W. Maddox, Jr.; Hon. Jim Exon, U.S. Senator (D), NE; and Rockwell A. Schnabel.

Inadvertently absent observers: Malcolm B. Harding, III, Cornwall, VT; and young Eugene A. Lopez, Springer, NM.

WESTERN REGION

-- 100th ANNIVERSARY --



Western Region's Willis family and the cooperative weather station at Olga, WA, were honored at the National Centennial ceremonies held during July in Washington, DC. The station has been operated by John Willis' family for 101 years. Willis, with the help of his sister, Mary Willis Fox, took over observing duties from their father.



David Fox, Willis' brother-in-law, who also assists with the observer duties; Mary Willis Fox; Marilyn Quayle, wife of Vice-President Dan Quayle; and John Willis. The gracious Mrs. Quayle presented the Willis' with an engraved plaque for the Olga station, which is located on Orcas Island, one of the San Juan Islands.



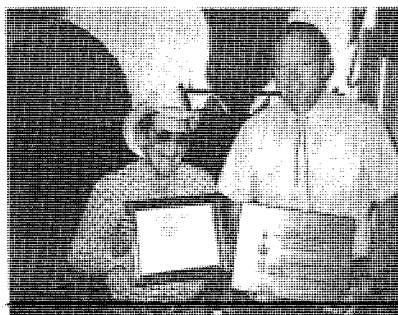
Later, during a reception at the U.S. Department of Commerce, John Willis, observer, learned from Alexander Radichevich, Meteorologist at NWS Headquarters, that the name of his station Olga is in reality a lady's name in Russia, he was very surprised. Moreover, when he heard further explanation for "Olga" as a derivation from Swedish name "Helga", left over there after their departure as medieval conquerors of Slavic lands.

We may assume that Russian migrants from Alaska, during the last century along the Pacific coast, were settled in Washington state, at present Willis family farm by naming it "Olga."



Ms. Ann M. Veneman, Deputy Secretary of Agriculture; Dr. Norton Strommen, Chief Meteorologist; and a member of the World Agriculture Outlook Board, were hosting our guests at U.S. Secretary for Agriculture Dining Room.

Left, seated: Robert Landis; Grant W. Goodge, Data Quality Control, National Climatic Data Center, Asheville, NC, with his friendly wife, Yolanda; and Betty Borger, Chief of the Eastern Region Cooperative Program, Bohemia, NY.

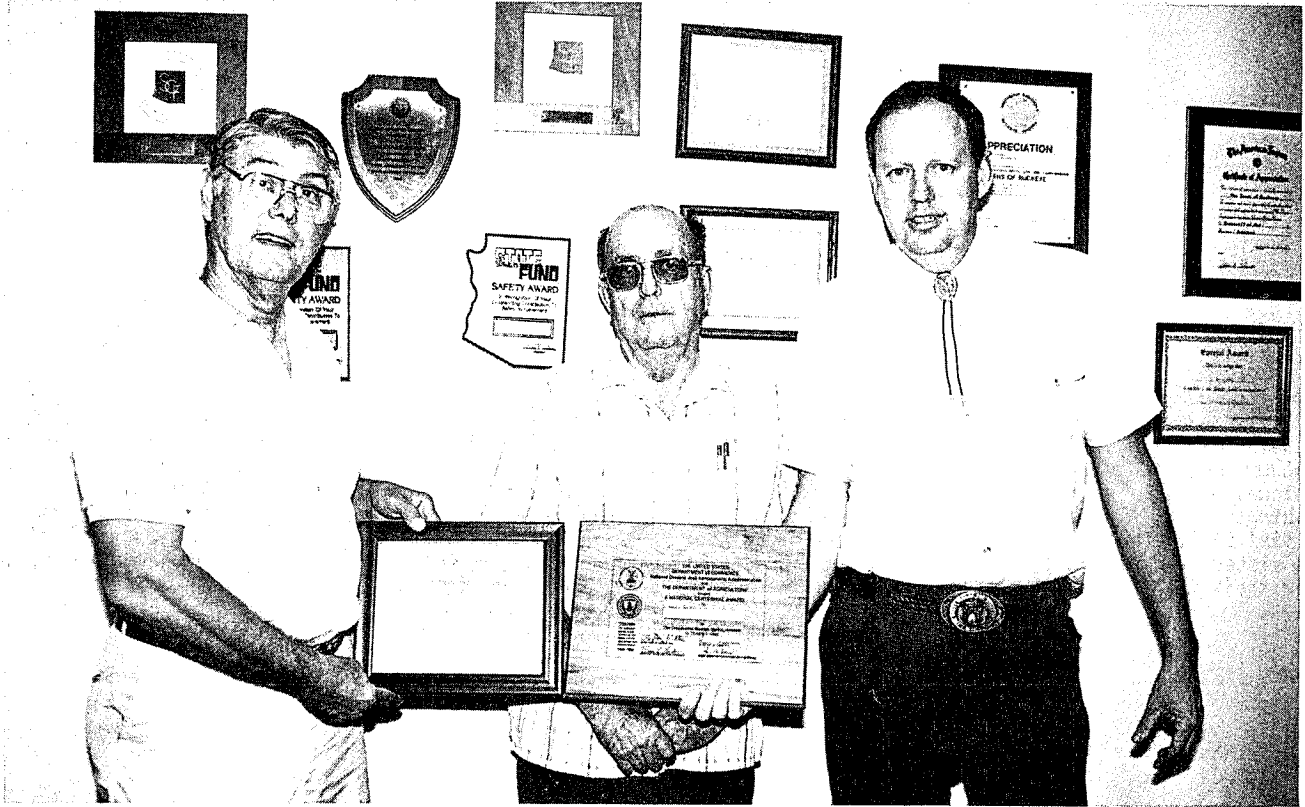


The city of Holbrook, AZ, was among Western Region stations recognized and honored with a Centennial station award. The award was accepted by the current observer, Joy Nevin (left). CPM Irv Haynes (right) presented the award on behalf of the National Weather Service.



The city of Whiteriver, AZ, received a Centennial station award. Robert Vataha (right), Fire Weather Dispatch Supervisor, accepted the award which was presented by Irv Haynes (left). The Bureau of Indian Affairs, Forestry Branch, operates the station, located on the Fort Apache Indian Reservation.

WESTERN REGION
-- 100th ANNIVERSARY --

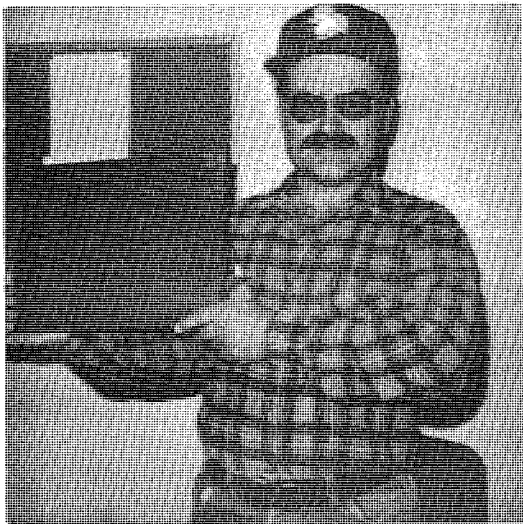


The city of Buckeye, AZ, received a Centennial station award. Joe Schetting (left), the Mayor of Buckeye; and Floyd Johnson (center), who has taken observations in the past, accepted the award presented by CPM Irv Haynes (right).



Dr. Philip Birdick (right) received a John Campanius Holm award for Kofa Mine, AZ, where observations have been taken since 1952. The award, the second most prestigious the NWS bestows on individuals, was presented by Tom Matheson (left), MIC, weather office, Yuma, AZ.

WESTERN REGION



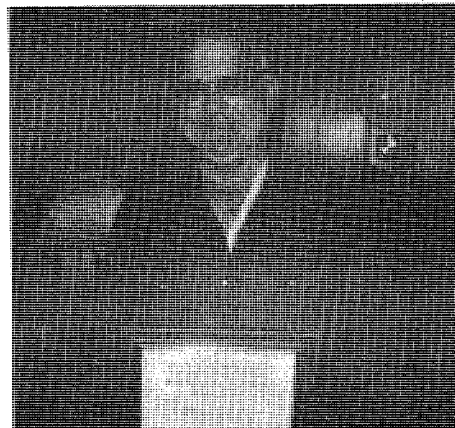
Sundog Waste Water Treatment Plant, Prescott, AZ, received a Centennial station award. Bill Delaney accepted the plaque for the entire water plant crew.



Mr. and Mrs. Burton Engle, Coupeville, WA, were presented a 30-Year Length-of-Service award. Mr. Engle's father was the previous cooperative observer for Coupeville. Together they have nearly 70 years of service as voluntary observers. The award was presented by Bob Jackson (right), MIC, Weather Office Auburn, WA.



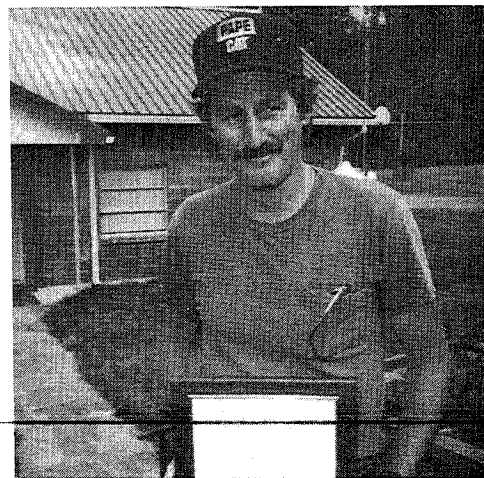
A 50-Year Institutional award was presented to Pacific Gas and Electric Company for the weather station at Salt Springs Power House, CA. Accepting the award (left to right), are Ken Boone and Jerry Wallace, both power house operators; and Don Marshall, hydrologist for Pacific Gas and Electric Company.



Pete Hudgins accepted a 25-Year Institutional award for Pass Creek County Park, Curtin, OR. Pete is park operator and caretaker, in addition to being an observer. The weather station is also a rainfall reporting station for Douglas County (OR) Water Resources.



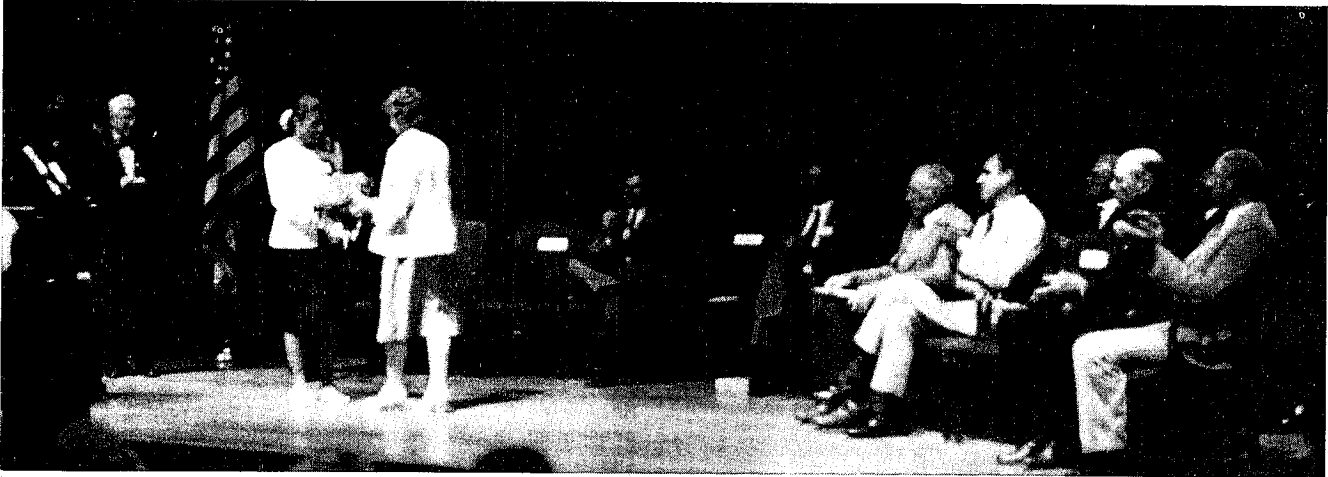
Stanley Wiggins, Flatwillow, MT, received a Length-of-Service award for 30 years of service. Mr. Wiggins was honored with the John Campanius Holm award in 1988 for his outstanding contributions to the Cooperative Program and has subsequently maintained his commendable public service.



Pacific Power and Light Company was presented a 25-Year Institutional award for their station Lemolo Lake 3 NNW, OR. Shown is observer Charlie Martin. Frank Anderson (not shown) shares the observing duties.

EASTERN REGION

-- 100th ANNIVERSARY --



Mrs. Marilyn Tucker Quayle, the second Lady of the United States, warmly greeted each and every observer-recipient of this First Centennial Award. Sylvia C. Strong was the first person to receive it, while others were waiting (on the right).



Marilyn Tucker Quayle is shown presenting a Centennial plaque to Sylvia C. Strong, observer, Setauket, NY...



...and to Malcolm B. Harding, observer, Middlebury, VT.

VOLUNTEER WEATHER OBSERVERS HONORED FOR 100-YEAR STATIONS

A major event honoring the National Weather Service volunteer observer program was held on July 25, 1991 in Washington, DC. Special recognition was given to those families participating in the cooperative observer program over many generations. Of the 558 weather stations identified as centennial sites, only nine families were selected to attend. These nine, along with an additional family member, were flown to Washington for the celebration. The planned activities were many. Beginning early Thursday the 25th, the observers participated in a tour of the National Meteorological Center and the National Satellite Data and Information Services facility. Later, they attended a luncheon held in the USDA Secretary's dining room; met with the Deputy Secretary of Agriculture; and were given a joint tour of the DOC and USDA weather facilities. The ceremony honoring the observers was held later that afternoon in the Herbert C. Hoover Building (DOC Headquarters).

The Eastern Region was represented by two observers: Sylvia Strong, Setauket, NY; and Malcolm B. Harding, Cornwall, VT. The Setauket station has been in the same family since 1885; the Cornwall station since 1886. The Honorees were presented with plaques from Marilyn Tucker Quayle. Mrs. Quayle has a special interest in the cooperative program. She is heavily involved in natural disaster preparedness and in the promotion of volunteerism. Early Friday morning, the observers toured the Weather Service Forecast Office and the National Weather Service Test Facility, both located at Sterling, VA. During the afternoon they were treated to a 3-hour tour of Washington.

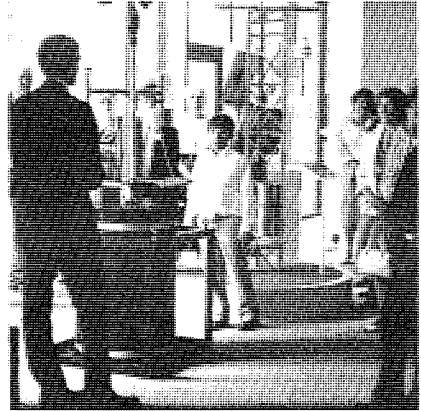
This trip was not only a memorable event for the observers, but for the Manager of the Eastern Region's Cooperative Program. This was a once-in-a-lifetime experience, and Betty Borger was most honored to be a part of it. Thanks to Bob Landis, Deputy Assistant Administrator, for the invitation; and to Walter Cottrell, Constituent Affairs Specialist, for arranging the program.

EASTERN REGION

-- 100th ANNIVERSARY --



Betty Borger, CPM, NWS Eastern Region (sitting, left), with other guests, was enjoying the National Meteorologist Center (NMC) weather map presentation. Standing behind: Walter N. Cottrell, Industrial Meteorologist, NWS Headquarters; and Stephen Doty, Project Coordinator, National Climatic Data Center, Asheville, NC - two principal organizers for this Centennial event.



Our Cooperative Centennial Celebrants visited the NWS Museum at Silver Spring, MD. They were impressed with TOTO (Totable Tornado Observatory) (left), that weighs 400 pounds and is designed to stay on the ground during a tornado.

On the right is ARC (Automatic Remote Collector). This weather station data are used in real time for weather and river forecast and warning.

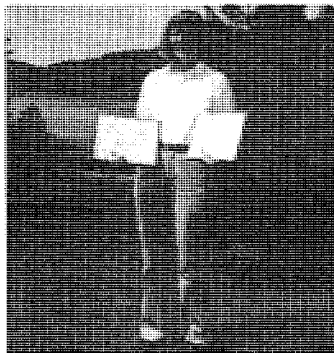


Finally, Walter N. Cottrell (center) can relax after quite a strenuous preparation year for this Centennial event.

Left: Dr. Norton Strommen, Chief Meteorologist at U.S. Department of Agriculture and J. R. Donald (right), Chairman of World Agriculture Outlook Board.

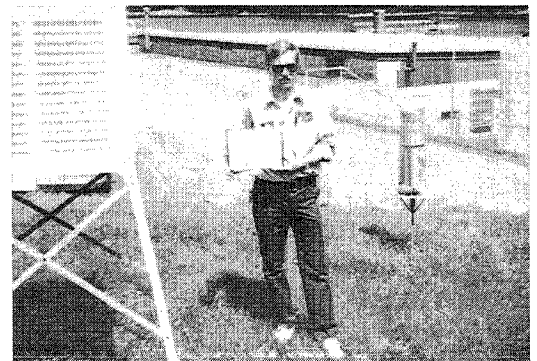


A quiet man, but with an ultimate accomplishment, Stephen Doty, descended from the Great Smoky Mountains in North Carolina to be himself a guest at the luncheon, without any marathon conference, as a co-chairman for this event. Through some complementing exchanges with Edward M. Gross, Chief, Industrial Meteorology Staff at NWS Headquarters (left), he has illuminated weather records validation at the National Climatic Data Center, Asheville, NC, to our visitors here.



The Waterbury Water Company was presented with two Institutional awards. A 50-Year award for service at Shepang Dam, CT, and a 50-Year award for service at Wigwam Reservoir, CT. Mary Iorio accepted both awards at the city's facility overlooking Wigwam Reservoir.

Tony Mach made the presentation.



The Ansonia-Derby Water Company was presented a 50-Year Institutional award for the station at Ansonia, CT. Mike Witek, actual observer, accepted the award on behalf of the company president, Al Rivers.

Tony Mach, CPM, Hartford, CT, made the presentation.

EASTERN REGION



A 50-Year Institutional award was presented to the Upper Sandusky Water Works, Upper Sandusky, OH, by Michael Wyatt, former CPM, Columbus, OH.

Photo left to right: Tony Spier, OIC, Weather Service Office, Toledo, OH; Michael Wyatt; Joel Walton, Supervisor Upper Sandusky Water Works; Mayor Donald Hall; and Bryon Richardson, Superintendent of Services. Photo by Chief Union.



Dr. David W. Letcher, observer, Trenton State College, NY, received a Special Service award from James Smith, CPM, Baltimore, MC.

ERRATA: NCO - FALL 1991 - Volume 9 - Number 1

Page 9: Caption above lower picture should have read EASTERN REGION.

EASTERN REGION



Two 50-Year Institutional awards were presented to the U.S. Army Corps of Engineers at two of its New England sites at Birch Hill Dam, MA, and Knightville Dam, MA. In attendance at both presentations were: from U.S. Army Corps of Engineers: Bernie Manor, Chief, Project Operations Division; and Joe Faloretti, Lower Connecticut River Basin Manager; and, from the National Weather Service: Peter Gabrielsen, Hydrologist, and Tony Mach. Peter, who transferred to the National Weather Service from the U.S. Army Corps of Engineers, made the presentations. Accepting the award on behalf of the U.S. Army Corps of Engineers were Ed Lippman, Assistant Project Manager, Knightville Dam; and Jim Bacon, Project Manager, Birch Hill Dam. Jim was also presented with a 20-Year Length-of-Service award, by Tony Mach for his service as an actual observer. Photo left to right: Peter Gabrielsen and Ed Lippman.



Photo left to right: Jim Bacon, Joe Faloretti, and Bernie Manor.



Tony Mach, CPM, and Jim Bacon at Birch Hill Dam, MA.



Ludger Gervais (right), Superintendent, accepted a 50-Year Institutional award on behalf of the Weston Hydro Station, Skowhegan, ME, from Tom Hawley (left), Hydrologist, Portland, ME.

The Fischer-Porter rain gage at this station went down the Kennebec River, along with many millions of dollars worth of other property, in the flood of 1987. A new gage was installed in September 1987.

Photo by James Donahue, CPM, Portland, ME.



Ronald McGowan (left), Chief Operator, and Dale Glidden, Superintendent (right), accepted a 25-Year Institutional award for the Augusta Sanitary District in Augusta, ME, from James Donahue; who also took the photo.

PACIFIC REGION

-- 100th ANNIVERSARY --



The Vice-President's wife, Marilyn Tucker Quayle, congratulated John Gordon Cran, a native from Hawaii for the Kapapala Ranch Centennial award.



Mr. and Mrs. Cran; Orlando R. Almarza, NWS Cooperative Program Manager for the Pacific Islands; and a charming guest from the Atlantic Coast, Doris Mercier, a friend of Sylvia Strong, observer, with five time zones in between, so close here together!



Our nine observers-celebrants, with their families, guests, and other participants, were given a tour at NOAA National Meteorological Center (NMC), Camp Springs, MD, on the eastern edge of Washington, DC.

These meteorologists have been providing all weather maps freely to all widespread television stations; that, with some slight local adjustments, have been presented at our homes.



Geri Deliz (left) and Kathleen Ribilla, Waialua Sugar Company, Oahu, accepted a 75-Year Length-of-Service award for Waimea.



A 75-Year Institutional award was presented to Byron Alcos (left) of the Waiahole Irrigation Company, Oahu, by Ray Terada, CPM/HNL.

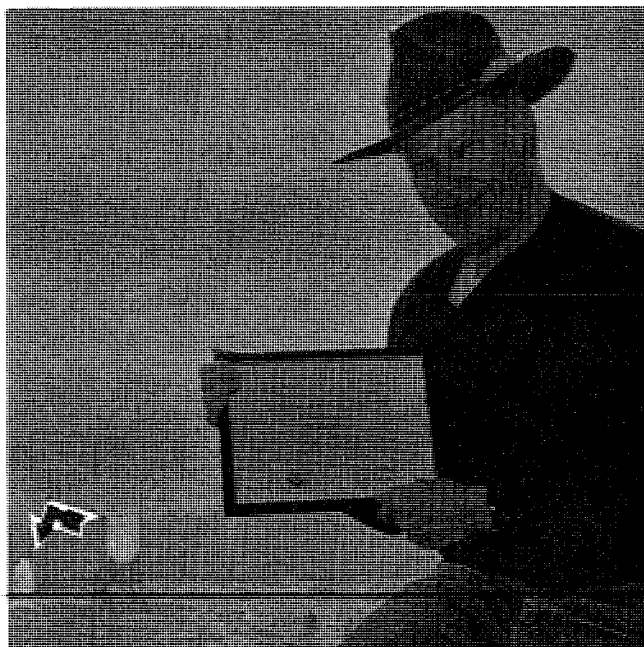
PACIFIC REGION



Kula Hospital, Island of Maui, was presented a 75-Year Institutional award. Seated: office clerk, Evelyn Suehiro; Administrator, Shirley Takahashi; and office clerk, Adeline Maldonado. Standing: utility workers, Richard Dancil; Alvin Yap; and James Mullens.

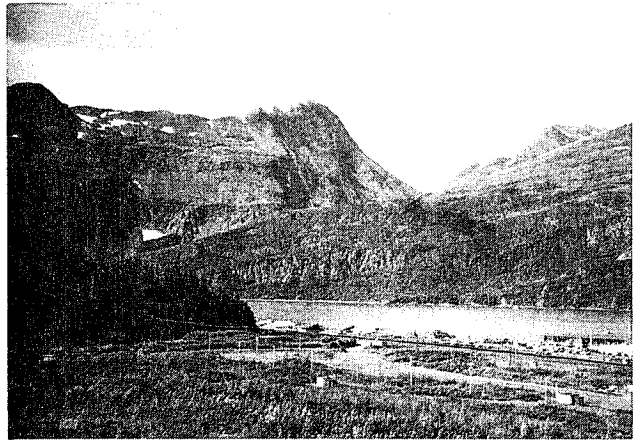
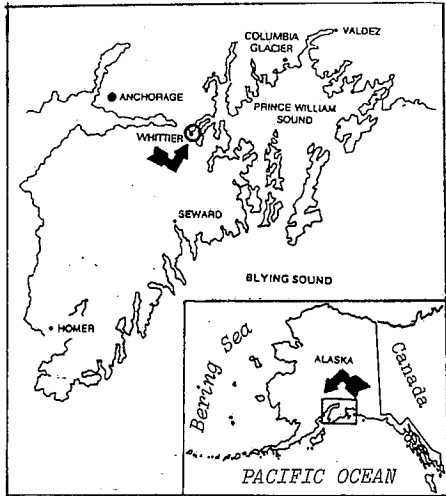


Mike and Susan Carey, husband and wife team, South Glenwood, Island of Hawaii, accepted a 10-Year Individual award.

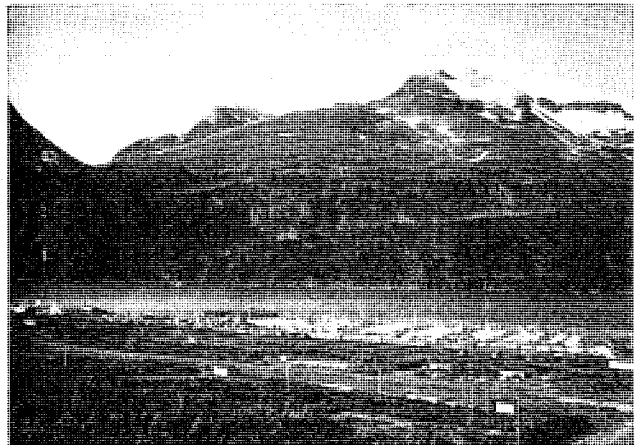


Middle Pen, Island of Hawaii, was presented a 25-Year Institutional award. Kahua Ranch Manager, Monte Richards, accepted the award.

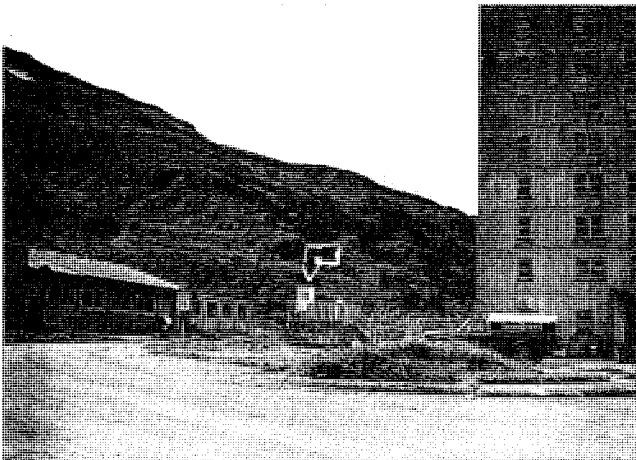
ALASKA REGION



Looking northward over Passage Canal and small boat harbor. Entrance to Portage Pass to the left.



Looking northward over Passage Canal. Route to Prince William Sound and Valdez to the right.



Looking westward, climate equipment on platform. Looking northward, aviation station and climate office and observers apartment on 11th floor.

WHITTIER

Whittier is located 75 miles southeast of Anchorage on the southwestern corner of Passage Canal and within sight of the eastern entrance to Portage Pass. Population is approximately 300. Most of the town's residents live in the tall grey Begich Towers, a former military building converted into condominium units. There are no roads into Whittier. Ground transportation is via the Alaska Railroad shuttle train from loading ramps on the Seward Highway. Whittier is a port of call for the Alaska Marine Highway system's southwestern ferries and incoming rail barge shipments which are transferred to the Alaska Railroad. Main observer is Kay Shepherd.

SOUTHERN REGION

-- 100th ANNIVERSARY --

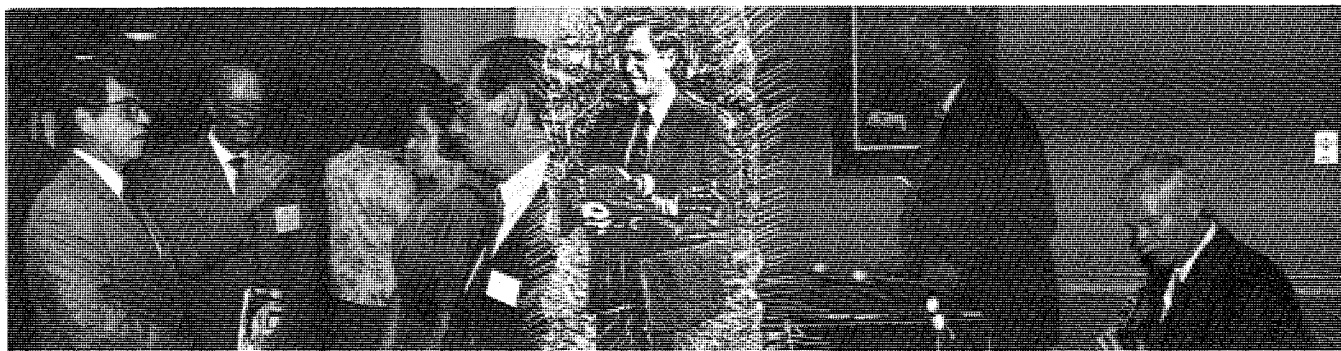
COOPERATIVE OBSERVERS HONORED IN WASHINGTON, DC



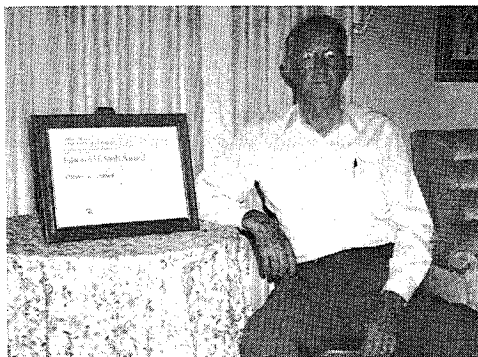
John Maddox, Rome, GA, received a Centennial station award from Mrs. Marilyn Quayle. Members of Mr. Maddox's family have served as observers at Rome since the station was established in 1855, an unbroken record of 137 years. Seated on the left is Deputy Secretary of Commerce, Ambassador Rockwell Schnabel. (Ralph Funderburk, CPM/MCN)



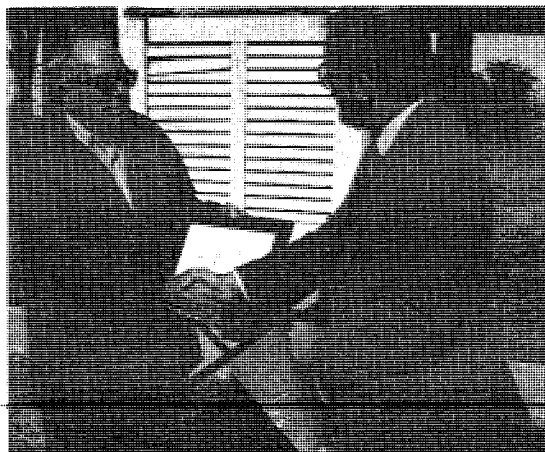
Eugene A. Lopez, Springer, NM, is all smiles after receiving the Centennial award from Mrs. Quayle. Eugene (Geno) is one of the nation's youngest observers. Seated at left is Robert Landis. (Dick Snyder, CPM/ABQ)



Eh, an executive old-time dream: When Robert Landis (left), ex-Director for Southern Region, used to present an award he did it in his own personal style - playing mandolin (Abbott, AR). Alas, he is currently the Deputy Director of the National Weather Service (4,900 employees) in our Capital, with a salon string-duo ambiance! However, he is still a "people-man" in a friendly conversation with David and Mary Willis Fox, assistants-observers to John Willis, Olga, WA, and in the company of Bob Manning, Cooperative Program Manager, Southern Region, Fort Worth, TX. (Photo collage by Alexander Radichevich, NWS-Headquarters)



Oliver C. Jones received the Edward H. Stoll 50-Year award from the National Weather Service. Mr. Jones is a retired pharmacist and former drug store owner at Mize, MS. He is also the oldest active weather observer in Mississippi both in length of service and in age. Presentation of the award was made by Thom Stenman, CPM/JAN.



The University of Arkansas station, Marianna, AR, was recently presented a 50-Year Institutional award. Superintendent T. J. Ashley received the award from Ric Coleman, MIC/AM, Memphis. John McBroom - CPM/BNA.

SOUTHERN REGION
-- 100th ANNIVERSARY --



Léxa V. Cook, Owensville, AR, received the John Campanius Holm award from the National Weather Service for 48 years of outstanding and dedicated service to the Owensville community by providing daily rainfall and storm reports. Presenting the award was Woody Currence, CPM, Forecast Office, North Little Rock, AR.



A 75-Year Institutional award was recently presented to Pecos Ranger Station, NM. Dave Quintana was presented the award by Dick Snyder, CPM/ABQ. He has taken the weather readings for the past 25 years.

MESSAGE TO OBSERVERS USING COTTON REGION SHELTERS

Do your maximum and minimum thermometers read the same just after being reset, or do they differ slightly (see instructions in step 3 below on reading the current temperature from the maximum thermometer)? We have found evidence of rather widespread differences. Although fairly small, these can be significant.

The requirement for very accurate temperature data has been increasing, due to growing interest in global warming. How do you tell if the "current temperature" readings differ?

1. At your usual time of observation, obtain and record your maximum, minimum, and current ("at ob") temperatures as usual.
2. Reset both temperatures as usual.

Immediately after completing the above,

3. Tilt the maximum thermometer to the vertical position, bulb end down. The bulb **MUST** be down in order to get an accurate reading.
4. Read and record its temperature to the nearest tenth or half degree, if possible.
5. Restore it to its normal "set" (horizontal) position.
6. Then read the current temperature on the minimum thermometer to the nearest tenth or half degree.
7. Record the readings in the "remarks" column of your Form B-91 (e.g., "max 44.6 min 43.2") or on a separate sheet of paper.

Please repeat this procedure 3 or 4 times during a week's time or during the month in order to get an average of the differences.

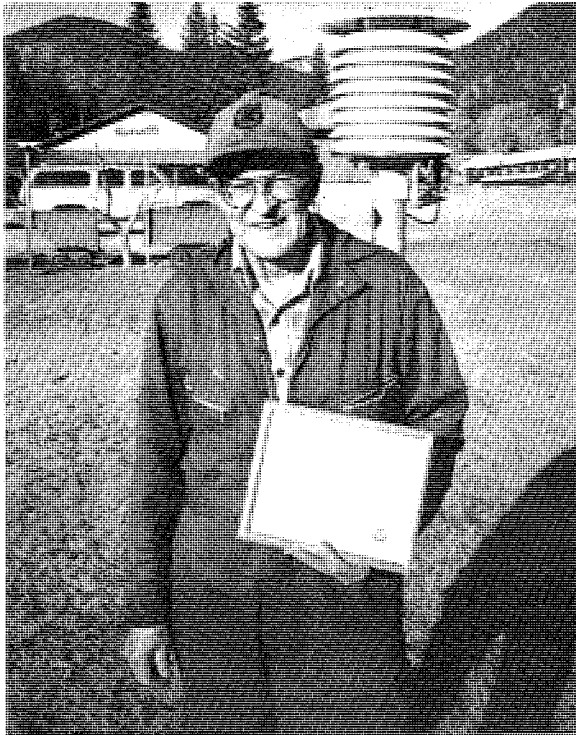
If temperature differences equal one degree or more, please inform your cooperative program manager or mail your comparison data to:

Thomas Blackburn, W/OS0141
NOAA, National Weather Service
SSMC#2, #17318
1325 East-West Highway
Silver Spring, MD 20910

Please also report any separations (regardless of how small) in the mercury or alcohol columns of your thermometers.

Please include your name and address, station name and number, and the dates and times at which you made your comparisons if you are mailing this information to the above address.

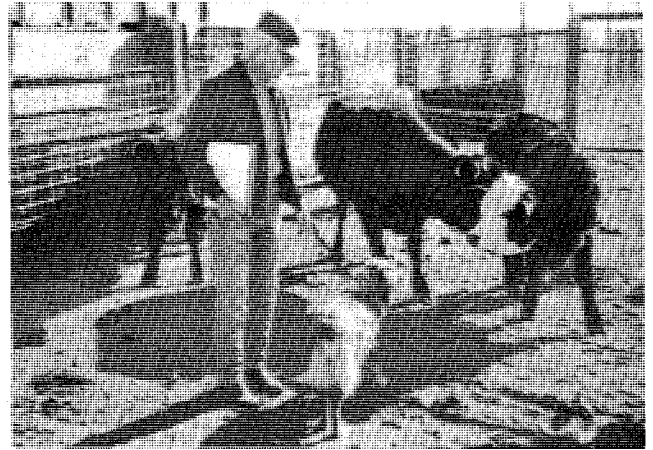
SOUTHERN REGION



A 35-Year Length-of-Service award was presented to Robert W. Prunty, cooperative weather observer, Red River, NM. Mr. Prunty received the Holm Award in 1979 and the Thomas Jefferson Award in 1989. He is an outstanding weather observer and stands as one of the top five observers in New Mexico. Presentation was made by Dick Snyder.



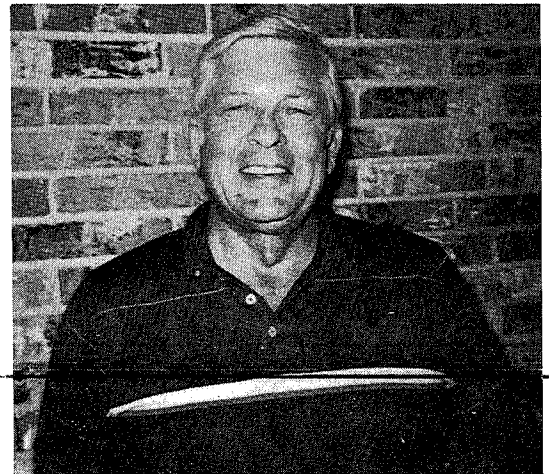
Lorene B. Ford, Brazos, TX, was presented a 20-Year Length-of-Service award by Jerry Wolfe, CPM/FTW.



Roy Kelley, cooperative weather observer, Valentine, TX, received a 20-Year Length-of-Service award. Roy is retired but still likes to raise a few cattle. Mrs. Kelley, now retired postmaster, is the one that used to hand cancel all those valentine cards people would send to be postmarked from Valentine, TX. Chuck Megee made the presentation.



Ben Moore, Jr. (left), cooperative weather observer, O'Donnell, TX, recently received a 35-Year Length-of-Service award. Ben is retiring as observer now and turning the duties over to his son, Donnie (right). Ben's father was the observer at O'Donnell for 16 years until his death, when Ben took over. Andy Anderson, MIC/AM, WSFO, Lubbock; and Chuck Megee, CPM/LBB, made the presentation.



A 20-Year Length-of-Service award was presented to Bobby J. Wigley, Cooper, TX, by Jerry Wolfe.

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What a down-to-earth style: Marilyn Tucker Quayle was enjoying every second with Stanley Kasperek, our observer from Nebraska...



...and even more with Raymond Judy from cold South Dakota, bestowing to him a warm whispering hidden kiss!



What a coincidence! As an ex-Army captain and decorated Vietnam War veteran, Luther Opjorden examines prudently up-side-down his Commemorative Centennial plaque - probably to be assured there isn't a "booby trap" beneath, while our Second Lady laughs heartily with the Minnesotan.



At the Centennial reception in Washington, DC: all America was "condensed" here: Mrs. Strong from Atlantic; Thomas Sinclair, Cooperative Program Manager, NWS Central Region; its Mainland and Hawaiian observer, John Gordon Cran, accompanied by his wife, Genevieve.



The city of Syracuse and cooperative observer Ben Sweat, Syracuse, NE, were presented a National Centennial award, by George Matuella (SMT) and Roy Osugi (SH). Left to right: Name not given; Roy Osugi; Mayor; Ben Sweat; and three unnamed persons. Photo by George Matuella.



Cooperative observer Daryl Obermeyer and the city of Auburn, NE, were presented the National Centennial award for 100 years of weather observing by George Matuella and Roy Osugi. Left to right: Roy Osugi, City Clerk; Daryl Obermeyer; and Mayor. Photo by George Matuella, SMT, WSFO Omaha, NE.

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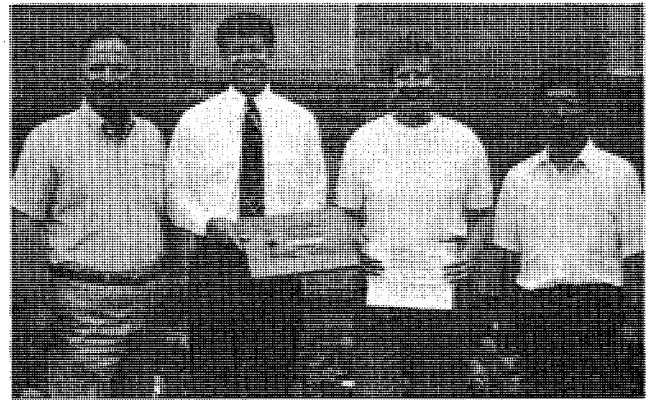


The Cooperative Observer Centennial Celebration was held in Minneapolis, MN. The highlight of the awards ceremony was the presentation of special awards to Luther Opjorden and Jerome Stoffel for their families' 100 years of continuous service as cooperative observers. The awards were presented by Dr. Joe Friday (center), Director of the National Weather Service; Dr. Norton Strommen (left standing), Chief Meteorologist for the Department of Agriculture; and James Campbell, Meteorologist in Charge, Forecast office, Minneapolis.

Others in attendance were Richard Augulis (extreme right), Director of the Central Region of the National Weather Service; Clint Odell, President of Cargill Carriers (a sponsor of the event); and Ron Nargang, Assistant Director of the University of Minnesota Agricultural Experiment Stations.



Virgil Noel, cooperative observer, and City Clerk of Tekamah, NE, were presented a National Centennial award for 100 years of weather observing, by Roy Osugi, Service Hydrologist; and Dave Theophilus, Area Manager, WSFO Omaha. Left to right: Tekenah City Clerk; Virgil Noel; and David Theophilus.



The Mayor of the city of Beatrice, NE, and its cooperative observer, Diana Smith, accepted a National Centennial award from NWS, WSFO, Omaha, NE, employees George Matuella and Roy Osugi at the Beatrice Airport. Left to right: George Matuella; the Mayor; Diana Smith; and Roy Osugi.



Weeping Water, NE, cooperative observer, the Mayor and City Council members were presented a Centennial award for 100 years of weather observations, by George Matuella and Roy Osugi.

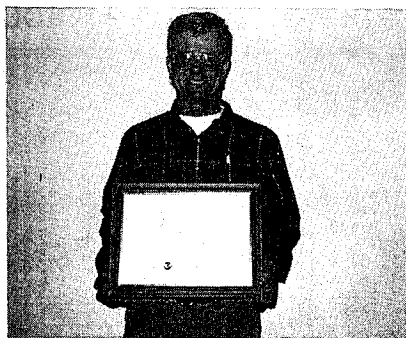


The Mayor of Seward and the cooperative observers, Robert Olmstead and his wife, were presented a National Centennial award by George Matuella and Roy Osugi. Left to right: the Mayor; Robert Olmstead; his wife; and Roy Osugi. Photo by George Matuella.

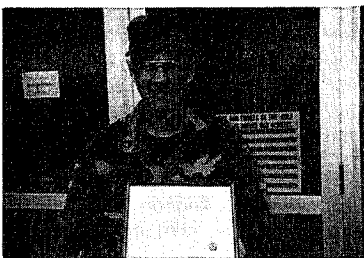
CENTRAL REGION



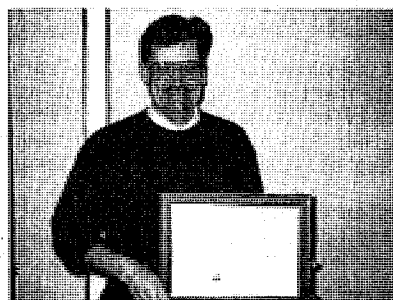
The city of Ashland and current cooperative observer, Vivian Maxwell, were presented a National Centennial award by Dave Theophilus; George Matuella; and Roy Osugi. Photo by George Matuella.



Robert Rand, Superintendent, Spooner Experiment Station, Spooner, WI, accepted a 75-Year Institutional award from Roland Friedrich, CPM, Milwaukee.



Pictured is James E. Jansky with a Special 15-Year Length-of-Service award. Jim and his wife, Sharon, take weather observations at the Towner 2 NE, ND site. Jim is employed with the National Guard in Rugby, ND. Picture and presentation by Vern Roller, CPM, WSFO Bismarck, ND.



Dennis Maki, Manager of the Weston Steam Plant of Wisconsin Public Service Corporation, Rothschild, WI, accepted a 25-Year Institutional award from Roland Friedrich, CPM, Milwaukee.

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