

The National Cooperative Observer Newsletter



FALL 1984

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EASTERN REGION SOUTHERN REGION
CENTRAL REGION



WESTERN REGION
ALASKA REGION PACIFIC REGION

noaa

NATIONAL OCEANIC AND
ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

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About the Cover

HOVENWEE: NATIONAL MONUMENT - Seven hundred years ago, Native American farmers were driven from their homes by drought conditions much like those of the dust bowl era. The 24-year drought (1276-1299) was coupled with attacks by marauding neighbors and caused near abandonment of large parts of the Southwest. These sentinels stand as monuments of a civilization lost to the ravages of climate change.

Photograph by William Tate, CPM, Denver, CO.

EASTERN REGION

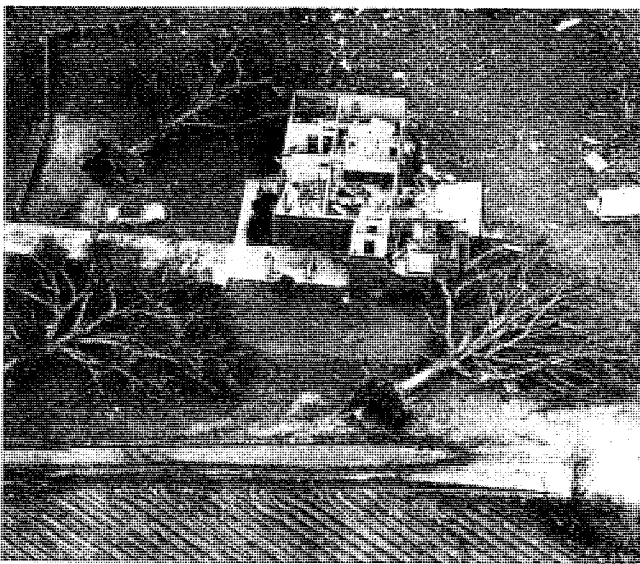
March 28, 1984...Severe Thunderstorms and Tornadoes Ravage South Carolina

These pictures, courtesy of "The State", Columbia Newspapers, Inc, SC, show some of the damage from severe thunderstorms and tornadoes in the Newberry, SC and Bennettsville, SC areas.

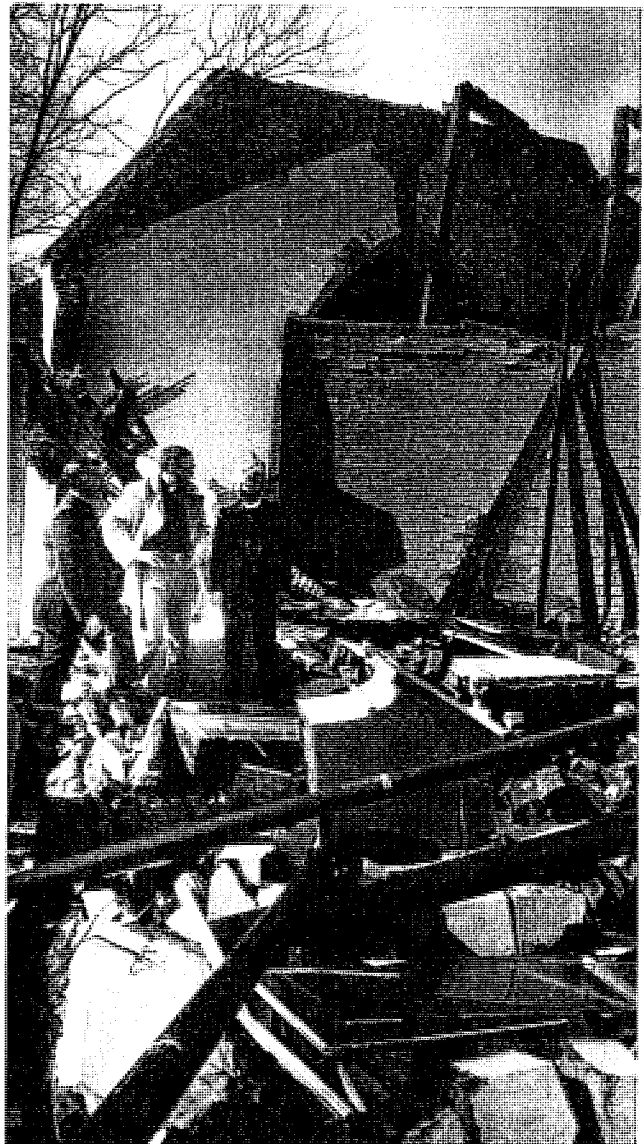
A tornado struck the business district of Newberry around 5:15 PM then moved eastward, dipping down across open country, then into a populated area just north of the town of Winnsboro, SC. From Winnsboro, the storm moved northeastward toward Bennettsville, slamming into the town demolishing homes and shopping centers. The storm had moved nearly 100 miles by this time. Severe thunderstorms and tornadoes from this same line also moved into the State of North Carolina, causing death and destruction.

A total of seventeen perished in South Carolina from these storms and hundreds injured. It is felt that early warning and precautions taken by individuals to protect themselves, contributed to the prevention of even greater loss of life.

Thanks to Mr. Earl Rampey, Cooperative Program Manager, Columbia, SC, who was able to obtain the following photos.



Home in Bennettsville, SC 3/29/84
Photo by Maxie Roberts



St. Luke's Church, Newberry, SC 3/29/84
Photo by Barry Newman

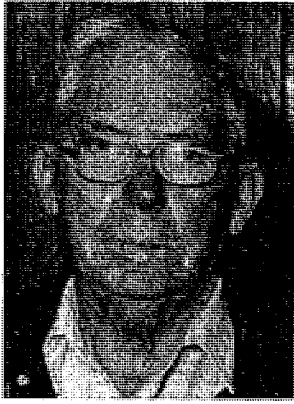


Northwood Shopping Center, Bennettsville, SC 3/29/84
Photo by Maxie Roberts



Northwood Shopping Mall, Bennettsville, SC 3/29/84
Photo by Doug Gilmore

SOUTHERN REGION



Doug Bivens, observer at Waldron, AR, received his 40-year award from Woody Currence.



Roger W. Merritt, Forest Supervisor at Homerville 3 WSW, GA, is shown accepting a 25-year Institutional Award for Union Camp Corp. Tom Clarke presented the award.



Mildred H. Dempsey, observer at Norcross 4 N, GA, was presented at 45-year length-of-service award by Carlos Garza, MIC/ATL. Ralph Funderburk assisted with the presentation.



Clemon Clewell, observer at Watonga, OK, received his 30-year award from John Lambert.



Janet E. Allgood (center), observer at Embry, GA, was presented a 40-year length-of-service award by Carlos Garza (left), MIC/ATL. Ms. Allgood is shown with her brother and sister who assist with observations. Ralph Funderburk assisted with the presentation.



Archie Thomas, pictured with wife June, observer at Moravia, OK, received his 25-year award from John Lambert.



Arthur W. Morgan (right), observer at Borger, TX received his 35-year award from Lawrence Smith.



A 25-year Institutional Award was presented to Texas Power & Light Co. in Gainesville, TX by Bob Manning. Shown accepting the award from left to right are Dude Friddle, Asst. Supt., Johnny Williams, current observer, Leon Corne, Supt.

CENTRAL REGION



Newell F. Smith, Hopkinsville, KY, received the John Campanius Holm Award. With Mr. Smith is his daughter Florence.



Mr. & Mrs. Robert W. Carris (left) received the John Campanius Holm Award from Jack Burns (right), WSFO STL and Jerry Wolfe (not shown), WSO SPI.



Elsie White, Brandon, CO, received a 25-year award from Mike Elias.



Mr. & Mrs. Everett Bollman, observers, Steelville, IL, received a 25-year length-of-service award from CPM-SPI J. Wolfe.



Lanny Williams poses before the Wolf Creek Pass Snowshed as he received a 25-year Institutional Award for the State Highways Department's 10,642 foot reporting point near the summit for this high Colorado Pass. Photo and award made by Bill Tate of Denver.



Blanche A. Middaugh, Auburn 2 SSE, IN, received a 20-year pin.



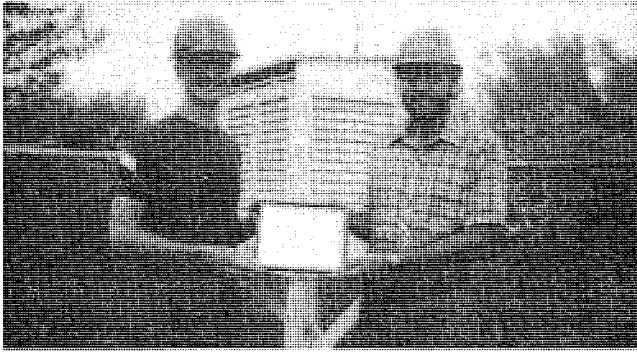
Luther Brodbeck received a 25-year award from Ken Rizzo, MIC/Lansing, MI.



Lockmaster Walt Gatza (center) & Asst. Lockmaster Charles Andrews (left) were presented a 50-year Institutional Award by Tom Dietrich (right) of the Chicago National Weather Service Office. Jerry Wolfe (not shown) of the Springfield NWSO was also at the presentation.



Forest Abell (left), received a 25-year award from Al Shipe.



Mike Healy and Jim Theodore are shown accepting an Institutional Award for 25-years of Cooperative Observations for the Erie Mining Co. at Hoyt Lakes 5 N, Hoyt Lakes, MN. Award presented by Leo Behrens.



Mr. & Mrs. Dave Oswskey, Foxboro, WI, received their 20-year service pin.



Mr. Traister, U.S. Corp of Eng., received a 25-year Institutional Award on behalf of the Corp of Eng. at Red Wing Dam #3. Leo Behrens made the presentation.



Charles B. Paulson, Oshkosh 8 SW, WI, received a 40-year award from Tom Sinclair, CPM, Omaha, NE.



Flora Sandoz, Ellsworth 24 NNE, NE, received a 30-year award from Tom Sinclair.

The following are the 1984 Length-of-Service Awards under 25 years:

	<u>Years of Service</u>
<u>COLORADO</u>	
Dan H. Knot	20
W. H. Newberry	20
Mrs. Norma J. Bain	20
Ralph W. Conkey	15
Gustave Schnepf	15
Terry S. Covelli	10
Earl R. Everitt	10
Frank Clark	10
Tim Dole	10
<u>ILLINOIS</u>	
Fred A. Lischer	20
Arthur J. Bessen	20
Mrs. Anthony Mignone	20
Walter J. Wenzlaff	15
James M. McDonald	15
Virgil C. Niewahner	15
Howard W. Coffman	15
Mrs. Mary A. Dooley	15
Joseph W. Sommer	15
Frederick Wujcik	10
Carl M. Collins	10
Thomas J. Schneider	10
<u>INDIANA</u>	
Noland Weilbaker	20
Mrs. Edwin Ehret	20
John R. Cramer, Sr.	10
Carl C. Brown	10

IOWA

Dale E. Hawkins 20
 A. Charles Breedlove 20
 Charles L. Patterson 20
 Raymond P. Nicholson 20
 Mrs. Mark A. Pope 15
 Ralph H. Herron 15
 Luverne Gries 15
 Eugene O. Frye 15
 Fred A. Briese 10
 Lauraetta J. Conner 10
 Fred F. Starits 10
 Thomas M. Peterson 10

MINNESOTA

Miss Marietta Sonnenberg 20
 Kenneth H. Freie 20
 Richard A. Feser 20
 Verdi A. Johnson 15
 Mrs. Lavonne Akers 15
 William Landby 15
 Howard M. Helgeson 15
 Lowell Swenson 15

NORTH DAKOTA

Arnold Neugebauer 20
 Ernest W. French 20
 Herman K. Peiler 20
 John Johnson 20
 Lavern Gutzmer 15
 C. M. Erickson 15
 Milton A. Olson 15
 Meryl L. Collins 15
 Curtis A. Hemstad 15
 Mrs. Irene Robillard 15
 John L. Anderson 10
 Alfred Balte 10
 Roy J. Frederick 10

KANSAS

William W. Coffman 20
 Dale S. Schlepp 20
 Berne F. Kyland 20
 Melvin States 20
 Stephen Gilman 20
 Dimi H. Shahan 20
 Cleo N. Coffman 15
 Edwin H. Andres 15
 Mr. Loyal W. Fieden 15
 Mrs. Jean M. Davis 15
 Marvin K. Orth 15
 Darrell D. Davis 10
 Ruth A. Johnson 10
 A. Jay Tobias 10
 Gerald L. Oneal 10
 Ina Rightmeier 10
 W. Lawrence Blair 10
 Wilfred C. Dreiling 10
 Alan R. Shineman 10
 Mrs. Olga E. Smith 10
 Jerry E. Hoyt 10
 Ferris Wells 10
 Phil R. Tommer 10
 Raymond A. Halstead 10

MISSOURI

William E. Miller 20
 Mrs. Eliza N. Robson 15
 John C. Playter 15
 James F. Prury 15
 James H. Molder 15
 Glenn D. Odell 15
 James T. Logue 15
 Robin Lewis 15
 Carl L. Geisler 10
 Joseph J. Snoble 10
 Owen W. Wade 10
 Mrs. Opal V. Johnson 10
 Arthur L. Franks 10
 Thomas M. Roberts 10
 Mrs. Jonny F. Brinkman 10
 D. Leroy Chorum 10
 C. Roy Hufstedler 10
 George E. Maggard 10
 Larry D. Hall 10
 Frank F. Wallis 10
 Mrs. Charles Modrell 10

SOUTH DAKOTA

John J. Wagner 20
 Donald F. Clausen 20
 Sybil I. Peterson 20
 Robert M. Holcomb 15
 Charles Bowan 15
 John A. Druley 15
 Hugh W. Sedgwick 15
 Mrs. Phyllis M. Kent 10
 Ellen G. Paulton 10
 Edward L. Grubl 10
 Clair L. Weiss 10
 Alvin H. Zastrow 10

KENTUCKY

Harold R. Connley 20
 Harold Everett 20
 Mrs. Esther Childress 20
 Hugh L. Jennings 20
 Mrs. Ouida Newkirk 15
 Franklin Mullins 15
 Douglas Smithson 10
 Jimmie A. Wooley 10
 Norman E. Parsons 10
 Rodney W. Cheatham 10
 Harold D. Kelly, Sr. 10
 Billy Wright 10
 Jessy Varney 10

NEBRASKA

Arnold Kuhn 20
 Mrs. Leona Jefferiers 20
 George Allen Umbarger 20
 Alfred Witcofski 20
 A. L. Zobel 20
 Warren Mesner 20
 Mack Mahannah 15
 Jesse G. Young 15
 Frederick C. Jacobson 15
 Norden G. Nutter 15
 Clarence E. Johns 15
 Ralph W. Felker 15
 Gilbert A. Koch 15
 Lawrence F. Lindly 15
 Edward Murphy 15
 Carol Guthrie 10
 Bernard V. Steinert, Jr. 10
 Paul D. Coder 10
 Mrs. Ralph E. Anderson 10
 Cloyd F. Hoyt 10
 Don D. Leibert 10
 Ethel Veach 10
 Harland D. Rennerfeldt 10
 Charles R. Finegan 10

WISCONSIN

Roger Myhre 15
 William H. Paulson 10

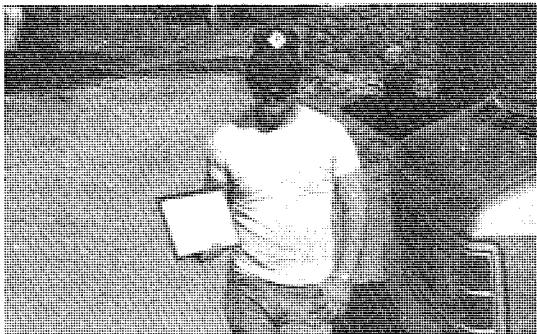
MICHIGAN

Bernard W. Wagner 20
 Warren H. Putney 20
 Llewelyn F. Veese 15
 L. Herbert Denise 15
 Louie Leeson 10
 John S. Boven 10
 Jan Klein 10
 James A. Benovic 10
 Thomas Buehrer 10

WYOMING

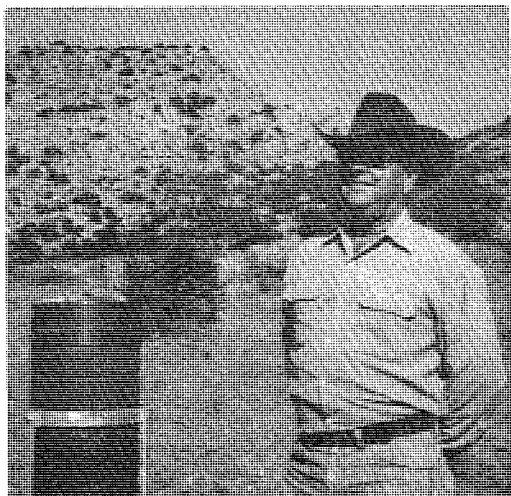
John P. Chase 20
 Mrs. Fred Floyd, Jr. 20
 Mrs. Evelyn S. Martin 15
 Carolyn J. Perea 15
 James R. Parrish 10
 Maybelle Weber 10
 Loring Woodson 10
 Mrs. Dellia J. Baughman 10
 James B. Meng 10

WESTERN REGION



Greg Plante, Irving, AZ, received a 50-year Institutional Award for the Arizona Public Service Company from Irv Haynes.

The weather equipment is located at the Irving Power Plant, where a number of employees participate in the collection of weather data.



William A. Winkler, Rucher Canyon, AZ, was awarded a 35-year length-of-service award by Irv Haynes, CPM, Phoenix, AZ.



Majorie Joy, Blue, AZ, received a 25-year length-of-service award from Irv Haynes, CPM, Phoenix, AZ.

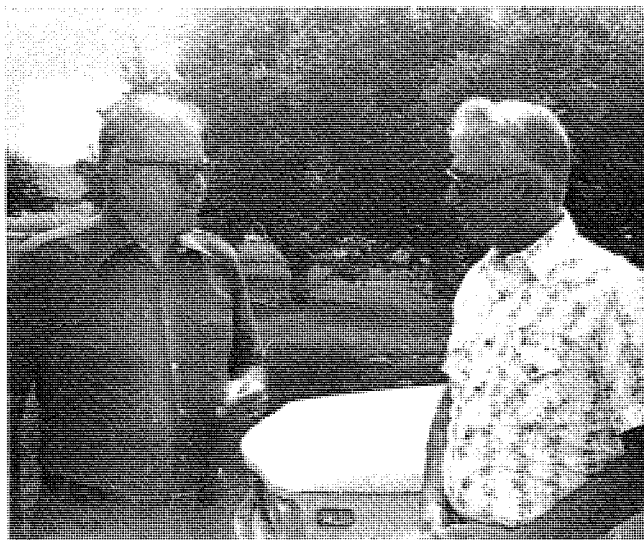
Mrs. Joy, the former owner and operator of Joy's Lodge, has been an observer since 1959 when the station was established.



Archie Leach (left), Campo, CA, was presented the Edward H. Stoll Award for 50 years of dedicated public service to his country and the National Weather Service. The award was presented by Wilbur Shigehara, MIC WSO San Diego, CA, at a meeting of the Campo Kiwanis Club. In addition to the Cooperative Program responsibilities, Archie and his wife, Gwen, provide four aviation weather observations daily.

Mary Dixon, Doyle, CA, recently received a 25-year service pin from Bert Soileau, CPM, Reno, NV. The presentation was made in both Mr. and Mrs. Dixon's name.

Despite the fact that Mr. Junius Dixon passed away last year, Mrs. Dixon has continued with the weather observations. Mr. and Mrs. Dixon have both been long time residents of Doyle, CA, which is located about 45 miles north of Reno, NV. Mrs. Dixon won't reveal how long they have lived there, but she can recall when the trip to Reno took 2 days.



Wayne Harper, Emmett 2 E, ID, (left), was presented with a 35-year length-of-service pin by A. Dreumont, AM/MIC WSFO, Boise, ID.

Mr. Harper has a fruit ranch in the Emmett Valley and the station that he takes care of will soon include evaporation and soil temperature data.



Xinia Ives, Centerville Arbaugh Ranch, ID, is shown holding her 25-year length-of-service pin, presented to her by Ingve Olson.

Mrs. Ives was born, and still lives, on the ranch that her parents homesteaded in 1908. She and her husband raise cattle, chickens and turkeys on their 130 acres.



Mr. and Mrs. R. C. Setterstrom, Butte 8 S, MT; received a 30-year length-of-service pin from Ingve Olson, CPM, Boise, ID.

The Setterstroms moved from Seattle, WA to their 400-acre cattle ranch 51 years ago. They raised four children and now have 14 grandchildren and three great-grandchildren.



Kenny Jensen (right), Dodson 11 N, MT, received a 30-year service award from Joe Johnston (left), CPM, Great Falls, MT, for his diligence at the observation site.

Kenny was already keeping precipitation records of his own before accepting a recording raingage from the weather service in April of 1954. Since that time he has changed charts and mailed them to the National Climatic Data Center in Asheville, NC, where the information is published as Hourly Precipitation Data.

Erling N. Dohlen, Opheim 12 SSE, MT, received a 25-year service award pin from the National Weather Service in Great Falls. Erling actually completed the 25 years in 1983.

The Weather Station, located on the Dohlen ranch, has been in the family since February 1930. H. O. Dohlen began taking daily readings of high and low temperatures and precipitation at Opheim and moved to the present location of 12 miles south southeast of Opheim in 1943. Erling took over the duties in January 1958.

Orris Anderson, Westby, MT, received a 25-year service award pin from the National Weather Service in Great Falls.

Westby is one of five similar stations in Sheridan County taking daily readings of the weather. This station also includes a recording raingage in order to chart the daily precipitation on an hourly basis.

The following are the 1984 Length-of-Service Awards:

CALIFORNIA

		<u>AWARD</u>
Gary J. Arata	San Gregorio 2 SE	20
Edra L. Moore	Kneeland 10 SSE	20
Ronald Kirby	Boca	20
Raymond J. Mullen	Kentfield	15
Pat Cheney	Portola	10
Frank P. Solano	Paicines Ohrwall Ranch	10

IDAHO

Earl Heidel	Castleford 2 N	20
Stan Frostenson	Fairfield 3 SE	20
Bernard J. LaSarte	Plummer 3 WSW	20
Margaret Jones	Malad City	10

MONTANA

Waller S. Angle	Ennis	20
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OREGON

James H. Weston	Andrews Weston Mine	15
Robert Good	Cloverdate 1 NW	10

UTAH

Oscar R. Semadeni	Cedar Point	35
Myron L. Sutton	Grantsville	25
Clair Benson	Parowan Power Plant	10
Bryce C. Jackson	Fairview 8 N	10

PACIFIC REGION



Herman Nil (left), Institution-Maintenance Superintendent, Pat Lovell (middle), Security, and George Terada (right), Assistant Administrator, received a 25-year length-of-service award for the Hawaii State Hospital, (Oahu), from Ray Terada (second from left). Also pictured is Susan Membrere, summer aid.

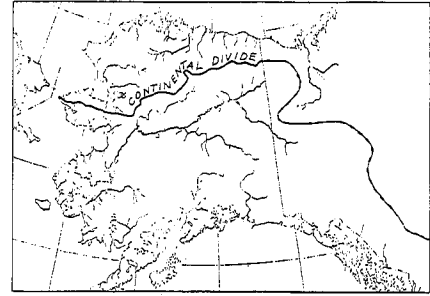


Billy Pascoe, Fireman (second from left), and Eugene Freitas, Captain (second from right), received a 25-year length-of-service award from Ray Terada, ACPM. Susan Membrere is also pictured.



Ben Mayes, Waianae (Oahu), received a 10-year length-of-service award from Ray Terada, ACPM.

ALASKA REGION



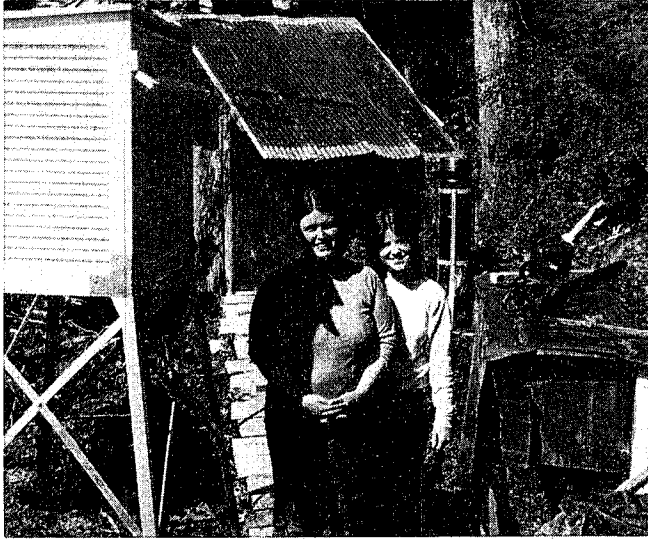
Continental Divide: It takes a westerly path across the Brooks Range in northern Alaska.

Another article by Neil Davis of the Geophysical Institute, University of Alaska, to enlighten our observers.

"The Continental Divide trends roughly north-south through the United States along the backbone of the Rocky Mountains. It divides the country into watersheds emptying westward into the Pacific Ocean or eastward into the Atlantic Ocean of the Gulf of Mexico.

One would think that extension of the Continental Divide into Alaska would bring it along the lofty Alaska Range and across Mt. McKinley. Instead, as the map shows, the Continental Divide through Alaska runs along the Brooks Range and into the Seward Peninsula where it terminates at Cape Prince of Wales. Thus it separates the watersheds draining north and west into the Arctic Ocean from those draining west and south into the Bering Sea.

The curious track of the Continental Divide from the Rockies into the Brooks Range led geologists until recently to assume erroneously that the Brooks Range was a structural extension of the Rocky Mountains. But just within recent years geologists have determined that the Brooks Range was uplifted about 100-200 million years ago, sometime earlier than the uplift of the Rockies, 65 million years ago. So now, most geologists think that the Brooks Range is not structurally related to the Rocky Mountains. Nor is the Alaska Range. It has been formed very recently, within the last five million years, and is still rising."



A new climate station was opened at Port Protection in southeast Alaska, the main observer will be Shirley Piedra shown below with her daughter. A site survey for a new climate station was completed at the Point Mackenzie Dairy Project, at the James Farm. The new observer will be Karen Lackey. The point Mackenzie Project is located northwest of Anchorage across Knik Arm. Arrangements are being concluded to install a climate station at Fort Yukon in conjunction with the aviation station at that location.

The second Maximum/Minimum Temperature System (MMTS) was installed at Hope, Alaska the last week in June. We have received more pipes and fittings for the units and should see an increase in the amount of MMTS installed in the next few months.

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

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