

# Weather Data Sought As Answer to Many Problems

By GAYLORD P. GODWIN  
United Press International  
Washington - (UPI) - There are now more than 12,000 voluntary, unpaid observers in the United States who record weather data every day. Most of their work consists of making a simple, climatological observation such as measuring rainfall or snowfall, checking the high and low temperatures, recording this data and mailing it to the nearest weather bureau.

Does anyone use this data? Do the observations serve any good purpose other than to satisfy scientific curiosity? The answer is an emphatic "yes," by J. H. Hagarly, head of the Office of Climatology of the U. S. Weather Bureau. He said the bureau receives many requests for data. The requests are examined to determine the area in question, length of record needed and specific weather elements involved. The required data, or the next best substitute, are then collected, examined and furnished to the applicant. Hagarly said sometimes the information seeker is not sure just what to ask for and just

simply states his problem. Hagarly has compiled many of the ways in which weather records from the observers may be used. They include: —Planning hospital design and construction. —Evaluating the prospects of commercial agriculture in Arizona and in Florida, and deciding whether or not to buy land in New Mexico. —Making an industrial survey for a New Jersey area. —Correlating new home building starts with weather data. —Evaluating insurance liability risks, verifying and

paying insurance claims. —Analyzing the effect of climate on a construction project in New Mexico. —Preparing a marketing booklet on Alaska. —Determining the climate of a town. —Presentation of evidence in a murder trial. —A study of the effect of weather on mortality in New York City. —A relationship study between rainfall and frost dates and the growth characteristics of red pine trees. —A survey of community airport redevelopment.

—A comparison of climates in the United States where turkeys are grown with the climate of a turkey farm in Chile where the owner wished to import stock. —School Construction —A comparison and adaptation of existing types of school construction and building materials to extreme environmental and climatic conditions. —Mink imported from the United States to Norway escaped and became predators. The Norwegian state game research then made a study of climates in the United States

as compared to various places in Norway where the mink might become a problem, in an effort to control them. Hagarly said an interesting use of temperature data is to attempt to determine if the climate actually is changing, and if so, in what way. Accurate temperature readings are vital to such studies, and these readings should be made under virtually unchanged conditions over a long period of time. Hagarly said fuel suppliers base their operations on temperature records. So do those concerned with home and other

building design and construction. Selection of a crop to be planted, or of a particular crop to be grown may depend upon temperature data. **First Factor** Temperature is one of the first factors considered by persons in selecting a retirement climate. Persons with particular health conditions also consider temperature data in selecting a domicile. Hagarly said other uses are to compute snow-melt rates over a watershed for which dams are being planned, to determine the need of insurance company personnel for

air conditioners in their cars, plan for the building of swimming pools. Precipitation records have been used to determine the size of the roof in an area where drinking water comes from the rainfall, Hagarly said. These records also have been used in drought studies and in the determination of drought disaster areas, and in the design of highway and airport drainage systems, storm sewers and irrigation canals. Hagarly said that without the corps of volunteer observers, "the myriad weather

needs of our citizens would not be met."

**THE DANMOORE HOTEL**  
1217 SW Morrison St. PORTLAND, OREGON  
All transient guests. All those who come, return. Rates not high, not low. Free garage, new location 1/2 block from hotel. Open until 10 p.m. TV's and radios. Reputation for cleanliness.  
**CHILDREN UNDER SEVEN NO CHARGE**



**DISPLAYS FORM**—Novice bullfighter Carmen Enright uses her jacket as a cape as she demonstrates form following a Los Angeles court appearance in which she was found guilty of misdemeanor drunk driving. She will be sentenced Aug. 30.

## The Medical Roundup

by *Walter D'Arcy*

**Heart Attack Avoided**  
During the years between Sept. 1952, and Dec. 31, 1959, Drs. Jeremiah Stamler and his associates made a study of 275 men under the age of 50 who had had one or more attacks of coronary heart disease. Because women are much less likely to have a coronary attack than are men, it was thought worthwhile to study the effect of somewhat feminizing the men by giving them large doses of female hormone. The result was that the mortality rates in the treated group were reduced by about half. Other similar studies, such as those of J. Marmorston and his associates also indicated that treatment of this type can reduce the tendency of a heart attack to return. One objection is that some men object to the loss of sexual potency that results.

As so often happens in science, about the time we doctors think we know something, along comes another man who says, "I repeated that work and got a different result. Hence it was that I was not surprised on hearing of the five-year study by Drs. Oliver and Boyd of England who said their results of giving an estrogen to men were disappointing. Perhaps they used the wrong brand of estrogen—an ethnyl estradiol. Obviously what is needed now are more studies in which a large group of men are used as subjects.

**Treatment for Burns**  
In answer to the persons who have asked me what is the best emergency treatment for a person who has received a bad burn, I will say that in the JAMA I find a paper by Drs. T. C. King and P. B. Price, who say that years ago many grandmothers had the

right idea when they quickly put cold water compresses on burned areas of the skin. Cold water helps the body to organize resistance against the local injury of the burns. The cooling of the injured tissues appears to turn the tide in favor of the badly burned person, so that he will recover when, otherwise, he might lose his life.

**OMAR SHARIF!**  
A New Valentino?  
by Peer J. Oppenheimer  
The screen's latest "sheik" isn't fond of camels, Cairo, or Arab roles; but, like the Latin lover of silent days, he does have a way with women.  
Peer Oppenheimer reports the story of Omar Sharif who shot from obscurity to stardom through one film role in the

You Can Count on Us... Quality Costs No More at Sears

# FIRST TO SEARS... then to school

Shop Monday and Friday Evenings Until 9 P.M.

## SWEATERS

To Live In All the Live-Long Day

These striking soft blend knits will be the busiest sweaters in your wardrobes... they're so flattering, so practical, so completely irresistible. Sears color-coordinates luxurious sweaters in a blend of 90% virgin wool and 10% kid mohair. Pullovers and cardigans with link stitch accents and 3/4 length sleeves. See them at Sears today! Sizes 34 to 42.

**PULLOVER 5.99**

**Cardigan .. 6.99**

## Skirts

All First Quality... Sears Never Sells Seconds or Irregulars

**SALE PRICED 6.99**

The matched look with well-tailored skirts of fine quality wool flannel. Crisp good looking pleated skirts with side zipper. Fantastic low prices. Now is the perfect time to replenish your wardrobe for fall.

**Charge It**  
on Sears Revolving Charge

Sears Fashions Rate	
STRAIGHT A	
Style	A
Value	A
Quality	A
Selection	A

Two Part Fashions are Twice the Fun Double as One. Ever Fashionable

## ORLON\* SWEATERS

Pullovers **2.99**

Cardigans **3.99**

For these exquisite sweaters we chose Orlon\* Savelle... the orlon acrylic with body. Double thick knit edge outlines the smart cut that lasts... these long wearing sweaters shape up perfectly when washed and dried by machine. Sizes 7 to 14.

## Match-Mate Blend Skirts

SIZES 7 to 14 **3.99**

Double box pleat double the beauty of this full circle skirt. The shape-holding fabric is 65% orlon for wear, 35% wool for softness absorbency. \*Reg. TM DuPont.

**Correctly Styled... Correctly Fitted...**

## Girls' Biltwell Shoes

Black Oxford with White Trim

Sizes 8 1/2 to 3 **6.99** pr.

Send your children back to school in X-15 shoes made exclusively for Sears. Jet molded soles and heels defy wear are light and flexible needs no breaking in. Strong nylon stitching is used to prevent ripping of seams. Sulfur resistant Sta-Brite finish.

Save 18% ... Regular 59c  
SuPima® Cotton Knit

## Crew Socks and Anklets

With Spun Nylon Reinforcement in Heels, Toes **49c** pr

Regular 49c Children's Sizes **39c**



SuPima® Cotton Knit... Nature's best cotton made better—it's softer, stronger and more absorbent. Perfect for sports and everyday wear. Both styles stay where they're put... smartly rolled down or worn up straight and smooth. White and pastels. Children's sizes 6 to 8 1/2; teens' and women's sizes 9 to 11 1/2.

## Patches - a - Plenty

The Fashion Rule For School

## Casual Campus Coats

**SEARS LOW PRICE! 13.99**

Patches are showing up on the best dressed elbows this fall... in conspicuous sizes and colors. Here's the campus coat, one of Sears back-to-school fashions with this important new look. Cotton corduroy jacket, lining and collar of acrylic pile on cotton back. Smart cotton suede cloth trim and elbow patches. Sizes 8 to 18.

**COME IN NOW FOR BEST SELECTION**  
**CHOOSE FROM THESE AND MANY MORE STYLES**

Shop at Sears and Save  
Satisfaction Guaranteed or Your Money Back

**SEARS**  
501 MEDFORD SHOPPING CENTER  
PHONE 773-6661  
PLENTY OF FREE PARKING  
STORE HOURS  
TUES., WED., THURS., SAT.  
9:30 A.M. TO 5:30 P.M.  
MON. AND FRI.  
9:30 A.M. TO 9 P.M.

**Subscribers**  
To report improper or non-delivery of the Mail Tribune in Medford, phone 773-6661. Advertisers call at 416 Bridge St., or phone 462-3002. Yreka, phone 739-2233 before 6:45 P.M. daily and 10:30 a.m. Sunday. If regular delivery arrives shortly after you call, please notify office, thus eliminating special messenger service.

AUGUST 25TH  
Issue of  
**Family Weekly**  
with your copy of the  
MAIL TRIBUNE  
MEDFORD