## The 'Great Drought of '81' kills crops, snow, economies

AUGUSTA, Kan. — Clee Ralston lived through the perilous days of the Dust Bowl era and survived the scorching Drought of '57.

In a half-century there's not much a Kansas farmer hasn't seen nature throw at him. Ralston isn't easily

But even a 62-year-old Kansas farmer worries when the skies remain cloudless for months on end and heat and wind suck the moisture from the soil.

"This is as bad as it was in 1936, as far as moisture and weather is concerned," said Ralston, whose family has furrowed the land in south central Kansas since before Ulysses S. Grant was president.

"And feed supplies are in bad shape. Fortunately, we're smarter than they were back then.'

Agricultural expertise may be better now, but Midwest farmers are having more than a little trouble recovering from "The Great Heat Wave of 1980" and coping with a drought that has lingered in the breadbasket since 1978.

Fred Ostby of the National Weather Service says the precipitation level in the Midwest is 15 inches below normal over the past three years. He says this dry spell compares in intensity to the droughts of the 1930s and the 1950s.

The drought's effects are widespread. While farmers from South Dakota to Texas fret, some Colorado ski resorts have closed for lack of snow, despite calling in Indians to perform snow dances. Air pollution has increased in Nebraska, and the drought likely will drive up the price of a peanut butter

Even the Mississippi River has fallen to its lowestlevel in 111 years, causing navigation problems.

In fact, much of the rest of the nation has been

affected by the problem — a stubborn high pressure system over the Rockies. Even New York City Mayor Edward Koch has had to declare a water emergency

But Midwest farmers — the people who put the bread on the nation's tables — have been hit the

Gerald McCathern, who farms 1,500 acres of wheat near Hereford, Texas, says the situation has become critical.

'In the last three years, it (the drought) has really taken its toll," McCathern said. "There's no way to estimate how much money has been lost. The drought, inflation and market price are all working together and have forced about 90 percent of the farmers in this area to seek refinancing through the

government.
"Another year like last year will put a large number of them out of business.

In Nebraska, all but one county in the entire state has been declared eligible for disaster loans because crops and livestock were damaged by the summer's triple-digit heat wave and drought. And in Missouri, the value of the 1980 corn and soybean crop was 3

That was last summer. But this winter certainly has not helped the situation.

Bob Swanson of the Minnesota Department of Agriculture called the Winter of '81 the driest winter in nearly 100 years. Illinois Crop Reporting Service pokesman John Unger said that state has been so dry that soil moisture supplies are 81 percent short.

Dry winters plague wheat farmers because too little snowfall leaves a ground cover inadequate to protect dormant winter wheat crops from the cold. We're real short on subsoil moisture, which is real important to the winter wheat crop," said Mike Kubicek, assistant diector of the Oklahoma Wheat Commission. "There hasn't been enough moisture

for the wheat to grow. Much of our wheat was planted late and it just hasn't had the adequate moisture to develop a good

get adequate root growth, we could be in a great deal of stress in the spring. If we get into a severe cold spell for any length of time, we might see a lot of winter kill because of the shallow root growth.

Nor is winter wheat the only threatened crop. Bill Flanagan of the Oklahoma Peanut Commission said the drought-shortened harvest in 1980-50 percent lower than 1979 — has pushed peanut prices up from 40 cents per pound to nearly \$1.50 for manu-

The prolonged dryness has also caused what Nebraska Air Pollution Control Chief Gene Robinson calls the worst level "we've ever had" of dirt, fly ash and other particles in the air.

Meanwhile, the Mississippi, the nation's largest river, has fallen to its lowest level since 1870 and its main tributaries, the Missouri and the Ohio, have become sluggish streams.

The Army Corps of Engineers has begun dredging operations at some points on the Mississippi to keep channels deep enough for river traffic, and barge owners have been forced to lighten their loads to

reduce the chances of running aground.
A spokesman for Riceland Foods in Stuttgart, Ark., said the White River is so low that barge ports

grain to a Mississippi River port.

The Kansas Wheat Commission reports the

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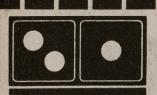
Just as barge traffic has slowed on the M so has the stream of skiers to Colorado. The

hasn't been enough snow. Breckenridge, Colo., resort manager Jim he lost almost all of his Christmas business be the barren slopes. In Steamboat Sp percent of the ski runs are open and the mates it has lost \$6.5 million in busines

without measureable precipitation since the al Weather Service starting keeping records went the first 26 days of the month with

When will the skies open up and dump somethe Colorado ski slopes, swell the Mississipil and dump moisture on Clee Ralston's wheath No one is sure.

Fred Ostby of the National Weather Servis he's uncertain because the jet stream which brings moisture from the Pacific Ocean contin be diverted toward Canada



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# Last crank phone system is Americana; pushbuttons coming soon, owner says

United Press International BRYANT POND, Maine — Most folks in Bryant Pond don't bother with things like telephone numbers. They just crank up the old phone on the wall and ask the operator to call

the neighbor.

The lakeside community of 1,000 residents in western Maine is the only town in the nation that still uses crank phones. But Elden Hathaway the owner of the Bryant Pond Telephone Co., says it may not be long before his customers have to start getting used to the new-fangled dials and push buttons, like other Amer-

After 30 years in the business, he

tiny company.
"I'm not going to keep it too much longer, my overhead's too high having to pay the operators," said the 63-year-old Hathaway, whose living room serves as the company's main

"I won't go automated, but some-body else will," he predicted.

The phone company had 31 lines when the weathered, bearded Hathaway bought it in 1951. His phone

The system now has 208 lines serving 440 customers, or about 700 residents, most of them sharing party "Operator, can I help you?" answered Linda Fraser.

The "drop" on the antique wooden switchboard had fallen over hole 122. Number 122 had just cranked, wanting to talk to 155.

'I'm sorry, that number's busy," Fraser said.

There was already a wire plugged into hole 155.

"I think a lot of people in town couldn't cope if we weren't here," the operator said. "They ask for names, they don't even know people's numbers.

'And we're always asked what time the church service starts, the dump hours and the library hours,'

she said. "Old people take naps and ask us not to ring them for a couple of

Bryant Pond became the last crank system in the country last year, after residents of Grand River, Iowa, voted 121-73 to go modern.

The system can call all over the world. Cards listing toll calls are punched on a time clock for billing

T've gotten Belgium quicker than West Paris sometimes," said Fraser. Belgium is the European country The town of West Paris is 8 miles

Hathaway, who worked for 40 years on the Grand Trunk Railroad, keeps an old caboose on his side yard — equipped with beds, a gas stove bought for "a half-gallon of vodka" and a crank phone. A friend recently slept there "when his wife kicked

His cluttered house is filled with

with two mounted bells and lesticks" - thin hand-hel models popular in the 19% I call them "Bonnie and Clyda" At the nearby Boiler Room

taurant, a candlestick sits on the "It's worth every penny if aggravation," said co-owner in Robiller. "It's a bastion of Amer

Robiller. "It's a bastion of Amerifice confirmed they haven't done away with a Day rivalry wo would be a shame if they did Hathaway said he has had so. The Athleti offers from other small televism had alrea

companies and individuals, but no rush to sell out.

"Whenever the price and the Tanis right," he said. But he confessed, "It'll be

day for me when I have to get united Prand she goes automated, and PHILADEL people feel the same way. It perennial state the Smithsonian should come a borld's best 20

Eclipse groupies chase the sun

to do was to escape to Pago Pago, peel down to the bare essentials and sit under palm trees sipping cooling beverages while everyone else was home worrying about the stock

Now status-seekers have found something more stimulating than exotic Pago Pago: watching the total eclipse of the sun while sipping cooling drinks aboard a luxury liner.

July 31, a select group of high seas adventurers will be aboard the Brit-ish cruise ship Coral Princess chasing the path of a total eclipse of the fiction writer Arthur C. Cla sun. The ship will, in fact, serve as a mobile observatory for 500 scientific and non-scientific "eclipse groupies," and even, perhaps, a few celebrities.

The cruise, dubbed Voyage to Darkness VII (the seventh such expedition), departs Tokyo on July 27 on an 8-day sail to pass through the narrow path of the moon's shadow, 1,200 miles off the east coast of Japan.
The completely stabilized,

10,000-ton Coral Princess will be equipped with state-of-the-art electronic and optical apparatus for viewing the eclipse as well as solar scientists and others who will teach onboard seminars to the eclipse hun-The ship will use continuous

weather data from satellites which will enable the expedition's meteorologist Edward M. Brooks to chart the liner's course to the clearest possible observing site — about 40 degrees north latitude by 166 degress east longitude.

Brooks, professor of geophys Boston College, who has made eclipse meteorology a lifetime ciality, has served as the top was man on the previous eclipse ings were cos The eclipse enthusiasts will be at I let thin

the solar event from position ship's outdoor decks and they so luxuriously, the cruise of say, attended with food, drink g tennis or do music from a dance orchestra Tanner showe

The cruise will also feature tures and a "Science at Sea" pro former astronaut Neil A. Arr

The July 31 eclipse will b the Soviet Union and sweep the Northern Pacific Ocean end about 300 miles nort Hawaiian Islands. The ed not be seen anywhere in the States and the next readily a total solar eclipse over a larg North America won't occ

In addition to the scientifications, the release said the Concess will also offer all the lux comforts associated with cr comfortable staterooms, cuisine, swimming pool, and entertainment.

The eclipse cruise, run by Eclipse Cruises, Inc. of New Supplemented with a choice day, land-based excursions i or 9-day overland tours Kong, Macao and China.

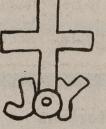
Eclipse-chasing in style be an idea of Dr. Philip Sigler, a sor of sociology at the City Ut ty of New York, with his wife and brother-in-law Theodor planetarium director at You State University in Ohio.

Since 1972, more than 8,00 ple have witnessed eclipses ler's "voyages," five on cruis — one in 1972, two in 1973 in 1977 — and the sixth in standard and the sixth in standard expedition to be

Marcy Sigler, who handle ty, arrangements and almos thing else for the cruise as serving as social director of said the response to the cru

"Some people said, 'If you' one eclipse, you've got to sall.' Others told me 'It was n ary booze-snooze cruise. aren't. The social status lies binoculars or telescopes or and not in your clothes or wh you," she said.

"Others said they had " thought they would be taught ce and love it so much," she



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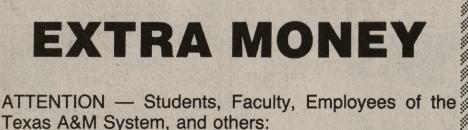
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