

Highly Contrasting Air Masses Cause Of Severe Storms

Suitland, Md. — (Science Service) — The severe storms lashing the northeast and central areas with tornadoes, floods and heavy snows are caused by a clashing of two highly contrasting air masses, cold air pounding down from the north and warm tropical air flowing up from the Gulf.

The strong temperature differences between these two clashing air masses furnish the energy on which severe storms grow. The most recent 30-day forecast issued by the Weather Bureau called for conditions favorable to development of such sharp contrasts, Jerome Namias, head of the Bureau's extended forecast section, told Science Service.

Forecasts Issued

In weather predictions for short periods made by regional Weather Bureau offices when conditions are right, meteorologists issue tornado forecasts for periods up to eight hours and for regions as large as half a state. Tornadoes often appear sporadically along the squall lines associated with the passage of fronts.

After tornadoes or a funnel dangle from a cloud are spotted, the Weather Bureau issues tornado warnings for specific localities.

The Bureau's extended forecast section, however, is concerned with long-period changes in the world's weather patterns. The severe weather and heavy precipitation crippling the nation's mid-section, Namias said, are part of a change in the world-wide upper air current known as the planetary wave. This globe-circling air stream shows up as a wavy line of troughs and crests on meteorologists' maps of the upper atmosphere.

Pattern Seen Changing

Most recently the planetary wave has had five crests and troughs but now there are indications the pattern is changing to a system of four crests and troughs. The two troughs that are now combining into one, Namias said, are those centered off the Asiatic Coast and in the Central Pacific.

This combination produces changes in the planetary wave over the United States. Because the wavelength of the two blended troughs has now become very long, the trough over the United States has shifted somewhat eastward.

As a result, cold air spills into the West and Midwest. On the eastern side of the trough, warm humid tropical air flows up from the Gulf. Where the tropical air is hit by polar air, conditions are ideal for the growth of severe storms.

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by Alice Brooks

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Two Teachers to Attend Hearing

Two special education teachers for classes for mentally retarded children in Jackson county will appear before a hearing of the house education committee in Salem Feb. 24 to explain the program, Alf B. Mekvold, county schools superintendent, said today.

The hearing will be on proposed legislation regarding the program in Oregon, Mekvold explained. Karl A. Hayes, Medford, and Mrs. Kay Boalman, Talent, will present talks and colored slides to illustrate how the program works in Jackson county, Mekvold added.

The two instructors are appearing at the request of Glen A. Purdom, consultant in education and gifted children, state department of education, and Joy Hills Gubser, assistant superintendent, in charge of special services, Salem, Mekvold said.

TO VISIT LISBON

London — (UPI) — Princess Margaret will visit Lisbon during the British trade fair in June, it was announced Tuesday.

IKE ATTENDS CONCERT

Washington — (UPI) — President Eisenhower attended a concert by the National Symphony Tuesday night and listened to a program of music by the German composer, Johann Sebastian Bach.

For Half-Sizes



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Westminster Hall, one of the historic attractions in London, was built between 1037 and 1100.

The Family Council

Editor's note: The Family Council consists of a judge, a psychiatrist, three clergymen, a newspaper editor, a women's editor and two writers. Each article is a summary of an actual report. The Family Council does not give advice; it merely reports on problems that have been dealt with by responsible agencies and counselors.

Ronald E.—Mother nags me.

Mrs. J. E. — He treats his shortcomings too lightly.

Ronald E. — I am 15 and the oldest of a family of three. My father died two years ago and my mother went to work again last year. I am in charge of my kid brother and sister when we get home from school.

As a result of all this responsibility plus a part-time job two evenings a week, I don't have too much time to socialize. I have also fallen a bit behind in my school work. My mother has been nagging me to death, accusing me of being interested in nothing but fun. That isn't true, but I do think I have a right to stay out pretty late on week-end nights.

Another thing that gets my goat is that Mother always brings up this business of my late hours and my drop in school marks in front of my friends. She has embarrassed me so much that I don't feel like having any of my friends over to the house.

Mrs. J. E.—Ron has a wonderful way of treating any of his shortcomings very, very lightly. It is one thing for a boy of 15 to come home a little past the deadline and another for him to turn up at 3 a.m. That's no hour for any young teenager to be out on the town.

Also, this business of his falling "a bit" behind in his school work is an understatement. He is failing in all the subjects he doesn't like, but doing very well in the ones he happens to like. Obviously he can do the work, but doesn't want to apply himself.

Ron has done a good job taking on his responsibilities toward his younger brother and sister. But he is not over-worked because they have been very cooperative and I have organized things in such a way that Ron should not have too much of a burden placed on him.

The Council: The conflict between Ron and his mother seems to be the usual adolescent one, but things have become intensified because of the death of the father and the fact that Mrs. J. E. is under a serious strain, having to work and be at once a mother and father to the children.

Ron has apparently taken on his main responsibilities nobly. In his own mind he feels that he is now Mom's

Lane-Use Signs Are Being Installed

State highway crews are installing lane-use signs on East Eighth st. between Central ave. and Bartlett st. today, according to Medford Public Works Director Vernon Thorpe.

Thorpe said the signs will indicate the right lane of the two-lane eastbound street is for traffic bound for east Medford while the left lane is for traffic northbound on Riverside ave.

For the time being, he explained, right lane traffic will continue to turn left into the right lane of Riverside ave. and then right from that lane onto East Main st. When the extension of Eighth st. across Bear creek is completed, he continued, the right lane traffic on Eighth st. will continue east across the creek.

APPLEGATE VALLEY Centennial Pageant Set

By MAUDE ZIEGLER

Applegate Valley — A Centennial pageant based on Oregon's resources and depicting pioneer life will be sponsored by the two extension units of the Applegate valley at the Grange hall Saturday evening, Feb. 28.

Many residents throughout the area are participating in this series of pioneer scenes which include coming of a pioneer family and making of shakes, placer mining, quilting, making of soap, wash day and fur trading.

There also will be a display of rocks and minerals. A sequence of time is being portrayed from 1843 to include the pioneer scene.

The pageant is written and directed by Mrs. Edna Sawyer and will be narrated by Boyd Gibson. Dress rehearsal for the production is set for Saturday, Feb. 21 at 1:30 p.m.

Youngsters of the Ruch area were organized in 4-H club work Thursday evening when Miss Marilou Garner, county 4-H extension agent, spoke to a group at the school cafeteria.

Dairy and pig clubs will be led by Fred Straube with Bill Barker with Rex Davis assisting. Mrs. Fred Straube will lead Cooking I, and Mrs. Harlan Cantrall will lead the sheep club. It is expected that tractor and forestry clubs will be organized, and other groups may be formed at Copper.

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Applegate store, Willard Wilson is busy redecorating the store interior. It is being painted pale green.

Teachers and pupils of Ruch school joined other schools of the county Friday in dressing in old-time attire honoring Oregon's statehood.

Anyone nowadays giving a play or skit is not worried about stage props, knowing that any article needed can be produced by a swish of a paint brush in the hands of

Mrs. Fred West and Mrs. Ed Ramsay.

The two ladies produced a realistic and woody backdrop for the Colleen Hope dancers recently, who presented "Snow White and the Seven Dwarfs" at the Grange hall, and the scene was used again at Camp White when the ballet dancers presented their number.

Rural Reflections and earlier days: The Ruch school became a two-room building in 1914 and high school was held there from 1916 to 1918. Pupils then went to Applegate, where high school was held until 1925. The school

BRANDT IN JAPAN

Tokyo — (UPI) — West Berlin Mayor Willy Brandt arrived here today for a three-day visit.

NAMED SCIENCE PREXY

New Orleans — (UPI) — James A. Dooley, of Chicago, was named president of the Law-Science Academy at the group's meeting here yesterday. Vice presidents named were T. Paine Lelly Jr., Tampa, Fla.; John L. Hill Jr., Houston, Tex.; and Meyer Fix, Rochester, N.Y.

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