

vapor condenses and enough heat is produced to keep the rising air warm-er than its surroundings. This condiand of these storms at sea, the air be-more close and oppressively warm; the water settles down to a glassy surilon excites still more the action of incoming wind, and the storm becomes

1907. Arbor Day-Monday, May 15, 1907. Memorial Day-Thursday, May 30, 1907. As toachers in the high school, the fol-lowing had been recommended and the

appointments were made: Garnot Attridge, Effe Hague, Jessie Freeland and Margaret McVichic. Eleanor Peterson was granted a leave of absence for the first half of the year.

parting tear was seen glistening in the ye, yet all feit proud that their late president was so highly honored in the new trust placed upon him. The assurance that "our loss was some or lse's gain," and that he was still

ions the ing the cor cyclonic storm. Here the that on the desert. AMOUNT OF HEAT.

There is a lower temperature of the heated air next to the water surface but a much greater amount of heat in this air because of the vast amounts of heat these surfaces are supported at the surfaces and the surface surfaces are supported at the surface surface surface surfaces and the surface surfaces are supported at the surface surface surface surface surfaces are surfaces and the surface surfaces are supported at the surface surface surface surface surfaces are surfaces and the surface surface surface surface surfaces are surfaces and the surface surface surface surface surfaces are surfaces and the surface surface surface surface surfaces are surfaces are surfaces and the surface surface surface surface surfaces are su the air because of the vast amounts of latent heat stored in the evaporated sater held in suspension in the warm sit; every pound of water that evap-crates takes in 1,000 degrees of heat without any rise in the temperature of the vapor or of the air that holds it. This vapor then absorbs much of the user heat their south case on the the sun's heat that would pass on the desert to the dry sand, and so the depth the heated stratum over the water much greater than over the land. of the heat reflected back from the water is likewise caught by the meisture, which is not nearly so dia-thermous (penetrable by heat) as dry While, therefore, the temperaair is. While, therefore, the tempera-ture of the heated air next to the des-ert (less than five feet high) often rises to 140 or 150 degrees F, close to the ground, that over the tropical seas rarely exceeds 55 degrees. Neverthe-less, the sea air contains by far the greater amount of heat, as just ex-plained: for what the sea air lacks in sensible it makes up in latent heat, and what it lacks in actual heat it makes up in amount of depth of the air that is warmed. all that is warmed.

## WHY MOTION BEGINS.

WHY MOTION BEGINS. How the sea-cyclone begins, that is, what begins the upsetting of the air strata, is not entirely known. Prob-ably one place gets a little warmer than surrounding spaces and a gentie cur-rent begins, which will be sure to in-crease in rate if once started. Probab-ly an excess of vapor in one spot will cause a rapid upward diffusion of va-bor and thus begin the air current. The vapor of water is 133 times lighter than air at a temperature of 50 degress, and though the difference would be rather less at higher temperature, still the weight or pressure of air mixed with weight or pressure of air mixed with yapo is always less than that of air less tally saturated. But when this molet air reaches and altitude where it will condense its moisture into a cloud layer, and thereby warm the surround-ing air both by the latent heat which The molsture gives out in condensing and by catching the suit's rays, and it happens that any breeze penetrates this mass of warm, moist, rising air, then the cloud will soon condense into ratu, a great amount of heat will be berated and the interior body of warm well be continuously warmed by he heat given off by the condensing

WHAT IS LATENT HEAT? It is not exactly correct to speak of



Iscending the moves outward at the height of one or two miles, spreading itself over the surrounding atmosphere.

THE AIR PRESSURE.

Just before the storm begins, the barometric pressure is uniform throughout the storm area, both at sea level and at successive altitudes; and the air will remain at rest as long as the vertical pressure (weight) of the air is at right angles to the surface of the sea. But as soon as the ascending current moves outward, which it does at the height of one or two miles, spreading itself over the surrounding structure. imosphere, the pressure ceases to be miform. At the center it falls, say to 9 inches: over the surrounding dis-rict it rises to say 30 inches. Then rict it rises to say 30 inches. Then he air at the center must rise, that it the sides must flow into the center, and that from above must sink at the margins of the disturbed area, in the attempt to restore an equilibrium, the whole constituting the vertical circuation of the storm. Heavy rains, accompanying tropical cyclones, which may last, moreover, for many days.

do not stand still, but advance at a velocity of from 5 to 50 miles an hour along a line known as their track. The

storms first run westward near the equator, then turn toward the north,

equator, then turn toward the north, but make an immediate further turn in the form of a parabola and then go northeastward. The trade winds first carry the storm to the west. On ap-proaching the western shores of the ocean, a part of the trade wind move-ments turns toward the pole and the cyclones take a similar course, thence results east from Konsa in our course.

passing east from Kansas in our coun-

Outlining Powers and Duties of County Commissioners.

Atty,-Gen. M. A. Breeden yesterday

handed to State Auditor J. A. Edwards an opinion outlining the pow-

ers and duties of county commission-

ers in this state in disposing of lands. that have been sold to a county for

In replying to your favor 1 beg to advise you that the law does not per-mit the owner of property, which has been sold to the county for delinquent taxes, to redeem the same after the

PROCLAMATION ISSUED

Irrigation Congress.

taxes. The decision says:

----BREEDEN GAVE OPINIONS.

try to the Atlantic coast.

enumerators for the school census will be named. That the bid of Higson & Rossiter to install necessary plumbing and heating in Washington school for 226 be accepted. That the bid of G. W. Anderson to re-slate and keep blackboards in condition for school year 706-07 for sum of 11.00, payable in installments, be accepted on condition that all boards be reslated be-fore opening of schools and that they be reslated during Christmas vacallon and at such times as needed, and that they president and clerk be authorized to sign contract. FORWARD PROGRESS OF STORMS. well known that these storms

ingnere he goes again

trying to sheet up.

the entire year, namely, Ethei Lewis, Isabel DeMoisy, Lillian Horze and Hulda Youngberg. Miss Harriet Cohn, Ciella MacCready and Alma Molyneux have resigned as tenchers, and the resignations were ac-

cepted. Frank Bluck and Arthur Briers, jani-tors of the Onequa and Sherwood schools, respectively, were released, and L. J. Wood of the Lintah school will look af-ter the old Uintah and Burlington furniture, at an advance of \$29 a month in alary. A and L. C. Shaw, contractors, will put in the conceret foundation of the Pop-lar Grove building, as well as finish the



the meeting was brought to a close by benediction pronounced by President Budge and including a patriarch's blessing upon the people of the Bear Lake stake of Zion.

Mothers, send the children to Calder's. We'll take care of them.

the same great temple district" temple district" to welcome to the house of the Lord those who go to labor there, was consoling and im-parted a peace and joy to the gather-ing that was heaven!" indeed. At the close of the morning's program the audience repaired to the First ward assembly hall, where beautifully dec-orated tables spread with a bounteous repast awaited them, and once more they enjoyed being seated with their beloved president at the table, feasting upon the fruits of prosperous Beer Lake. to welcome

AT BARTON'S A Large Stock of STRAW and PANAMA HATS To Chose From at

**CUT PRICES** 45-47 MAIN ST. Clothiers to Men and Boys

Getting rested for the Round-Up which will open again tomorrow.

## Round-Up

The Great

T is well that the Fourth is a holiday. The record-breaking business which this store is having has worn out our employes. Thursday, Friday and Saturday will certainly be tre- ?? mendous. The reductions average from

10 to 50%

Nearly every bargain one-half or more than half price.

Keith-O'Brien Co.