

TO DETERMINE THE DEW POINT

The table and instructions given below are for those who wish to make their own psychrometers, and with which they may be able to determine dew point temperatures.

TABLE FOR DETERMINING THE TEMPERATURE OF THE DEW POINT.

Table with columns for Dew-point temperature when difference between wet-bulb and dry-bulb thermometers is (1-15 Deg. F.) and rows for DRY-BULB THERMOMETER (35-70 Deg. F.).

*Below zero.

The above table is to be used in connection with a psychrometer. This instrument is made of two Fahrenheit thermometers fixed together by riveting or wiring the frames back to back. Two fairly good thermometers, which should read exactly alike at all temperatures should be used. The bulb and scale of one of the thermometers should be pushed downward through the frame so as to protrude an inch or so, and both should be then fastened to the frames so as not to slide on when the instrument is not to slide out when the instrument is covered with thin linen cloth which should be frequently renewed. A heavy string or leather thong about 18 inches long should be tied to the rings at the upper end of the instruments. This string or thong serves as a means with which to whirl the psychrometer. To use the instrument wet the linen-covered bulb with clean water and whirl the instrument rapidly so as to produce rapid evaporation from the wetted bulb. The whirling should be continued until the mercury in the cloth-covered bulb is brought as low as possible. Then read the two thermometers, and subtract the reading of the wet bulb from the reading of the dry bulb. Note in the first column the temperature of the dry bulb thermometer, and follow out along the head of the table until the difference between the wet bulb and dry bulb is found. Then run down the column at which this difference is found until opposite the dry-bulb temperature first noted: this figure is the dew point sought. Example: Dry-bulb thermometer reads 41 degrees; wet-bulb reads 32 degrees; the difference is 9 degrees. Now go to the first column at the left to 41 degrees; then go to the head of the table to 9 degrees, run down the column under 9 degrees un-

BEAUTY AND PRIZE WINNERS COMING



Bonita, The beautiful star of "Wine, Women and Song."

Bonita, the famous beauty and star of the merry musical comedy, "Wine, Women and Song" has a hobby for riding in the streetcars. Being a close observer, Bonita has heard and seen a great deal of both serious and humorous "pay-as-you-enter-humanity." The following is Bonita's latest addition to her "six-for-a-quarter" collection. This happened in Akron, O. A lady had been shopping about town and when she boarded a car from home she carried in her hands and arms bundles of all shapes and sizes. The car was crowded almost to its standing capacity and because of the bundles she carried it was impossible for her to reach and hang on to the strap. Seated in the car among the passen-

OREGON OBSERVER ROASTS HIS UMP.

Don't Like the Way He and Isaacs Played the Game—Some Other Features Not Before Mentioned.

(BY JAMES D. FAY.)

The Grants Pass Observer roasts Dotson, the umpire at last Sunday's game and also Isaacs for getting hit so often. The umpire was perfectly fair as he saw the game. His judgment might have been off a little in some cases, but there was no partiality. One side got it just as bad as the other. Isaacs was hit quite frequently, but with one exception he was within the lines of the batter's box when struck by the ball. There is no rule in baseball that requires a batsman to step out of the box to avoid being hit. Most of them do, however, but a batsman can take the hit without violating the rules of the game, and it is playing the game, at that. The idea is to get on the first bag by walking, being hit or slamming the ball. A man has no right to step in the way of a ball, but most of the time Sunday the Medford boys were stepping out of the way of Osborne's wild heaves. He hit Isaacs three times, Blackington twice, Strain twice and Henselman once. It was very unfortunate that Grants Pass lost, of course, but it wasn't because the rooters failed to do their share. When the fans crowd around first base and threaten the coacher like they did that day, I don't see where they have any kind of a roar coming when we outplay them at every stage. Two of the Medford players were deliberately interfered with, and one of them was hurt by the Grants Pass third-baseman, and Medford's first-baseman was spiked, causing him to drop the ball. It will be remembered that Wheeler and Dillon of Los Angeles tried that game on Olson last season and failed. Hill is young, but he wants another chance at the spiking gentleman. I do not believe that the Observer reflects the sentiment of Grants Pass or of the ball team. The Grants Pass sports are usually on the square and always accept defeat with equanimity.

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WORD IS WANTED FROM ROBERT OLE HAGEN

The vice-consul of Norway, stationed in Portland, is making inquiries for a Norwegian boy named Robert Ole Hagen, who is about 24 years of age. He has not been heard from since December, 1908, and at that time worked for Tom Lang at Klamath agency, and left there last fall for Medford.

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P. J. O'GARA, Assistant Pathologist U. S. Dept. of Agriculture. MISS GERDA NELSON IS WIFE OF SAN FRANCISCAN SAN FRANCISCO, March 30.—The secrecy which hedged the identity of the leading woman in St. Elmo which is now playing in Portland, Oregon, under the name of Miss Gerda Nelson, was solved today when it was learned that she is none other than Mrs. Gerda Wismer Hoffman, a San Francisco society woman, and the wife of William Frederick Hoffman, a composer of music.

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