Comfort Chant

Humidity, **Heat Cause Discomfort**

Collegian Weather Expert

"It isn't the heat it's the humidity."

Many people are heard quoting this phrase during the summer months in an attempt to explain their discomfort which is due to the oppressive weather.

The actual cause of their discomfort, however, is a combina-tion of these two weather factors -heat and humidity.

Since the knowledge of either the temperature or humidity does not always give an appropriate measurement of comfort, a scale based on some type of combination of these two factors will give some idea of human comfort.

I have developed the following table to allow the public to easily compute body comfort.

Before describing this table, it will be necessary to explain a basic principle upon which it is founded. If you wet one hand and leave the other one dry and then wave both hands in the air, an apparent difference in tempera-ture is noted between the two hands. The wet one feels cooler because the evaporation is a cool

ing process.

This is the principle upon which the wet bulb thermometer is based. It is merely a normal outdoor thermometer that has a wick placed around the bulb with water on the wick.

In other words, two thermometers are needed to make use of the comfort scale—a wet bulb and a regular one.

Since water evaporates from the wet bulb at a rate that varies with the amount of moisture in the air, a large deviation between the air temperature and the wet bulb reading indicates dry air. That is, the lower the relative humidity, the faster the water will evaporate from the wet bulb thermometer, and hence the greater the difference between the actual temperature and the wet bulb temperature.

To make use of the comfort scale perform the following simple calculation:

Take the wet bulb reading and divide it by the actual temperature and then multiply by 100. Wet bulb

Temperature To this number add or subtract the amount indicated below according to the air temperature.

AIR TEMPERATURE

Table 1 40 to 45 (subtract 75) 46 to 55 (subtract 60) 56 to 65 (subtract 45) 66 to 75 (subtract 30) 76 to 85 (subtract 15) 88 to 95 (no change)

98 to 105 (add 15) The number that is remaining I have named the COMFORT NUMBER and is simply compared to table 2 and body comfort is found.

Table 2 0 to 9

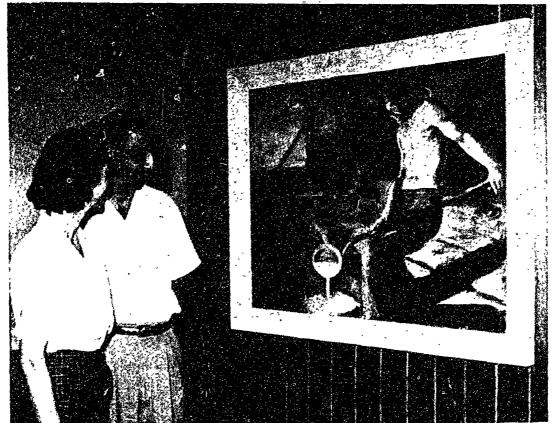
Cold, invigorating weather; houses need heat 10 to 19

Chilly, jacket required; houses need heat

20 to 29 Cool, sweater needed; houses need heat

Repairs	
Car Radios	Television
Phonographs	Radios
television	(2)
service	ATT-B
cenier 🍕	
at	

State College TV 232 S. Allen St.



LIQUID STEEL, an oil painting by Carl A. Walberg, is admired by Mr. and Mrs. C. J. Hillson of State College. The painting was recently donated to the Mineral Industries Art Gallery by the

Pittsburgh artist.

30 to 39 Cool; on borderline between heating homes and not heating

40 to 49 Pleasant, often sunny

50 to 59 Nearly perfect weather; enjoyed by almost all

60 to 69 On borderline between comfort and discomfort; depends on individual

Uncomfortable for most persons -fans and air conditioning welcomed by all

80 to 89

Almost unbearable—some factories close when over 85

90 to 100

Unbearable conditions—go swimming

One big advantage of this chart creases greatly with higher wind is the fact that the Weather velocities.

Bureau has the means of predictThis scale is of little use in any ing both temperature and wet time other than the period from bulb readings with a reasonable the beginning of May until the degree of accuracy. By plugging end of September and it is also the predicted high temperature useless when the temperature and high wet bulb reading into falls below 40 degrees. the above formula, the maximum discomfort for that day may be computed in advance.

It must be noted that the above scale will be accurate so long as no precipitation is falling and the wind is less than

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miles per hour. The accuracy of this chart will

decrease with an increase in wind speed because evaporation and hence cooling of the body in-

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Pepperoni Anchovies Mushrooms **Ground Beef Hot Peppers** Garlic Onion Rings **Chopped Onions Bell Peppers** Frankfurters

Friday only— Minced Clams Shrimp Tuna Fish All made with T.L.C.

"We can't make all the pizza, so we only make the best."

Joe's Pizza Shoppe

131 N. Atherton St. AD 8-2441

FOR SALE

AIR-CONDITIONED 1955 Platt House-trailer—34', 2-bedroom, walk-through bathroom, Much closet space, Set-up. AD 8-0228.

1958 B.M W. MOTORCYCLE: 250c.c engine, driveshaft, dual seat. 60-75 M.P.G. Only 700 actual miles! Call George Mitch at AD 7-2251.

THE TASTIEST PIZZA in town. Joe's Pizza Shop, 131 N. Atherton St.

FOUND

FOUND—One cat by Library; brown, yellow and white spotted, Owner call before noon or following day. Ask for Jerry or Larry at AD 8-1924.

FOR RENT

ROOMS FOR RENT—across from campus, women, kitchen facilities, TV, 3 bathrooms, Mrs. McClellan, AD 7-7184, between 8:00 and 4:00, 228 West College Ave.

ROOMS FOR RENT: rooms for men. All summer sessions. Attractive variable rates by day, week, or entire summer Two locations convenient to campus. 317 E. Beaver and 220-B S. Allen. Ask for Mr. Clane at 317 E. Beaver. AD 8-9135.

FOR RENT

COMFORTABLE MODERATE rate accommodations with private bath or running water. For you and your friends. Central residential section. Colonial Hotel, 123 W. Nittany, State College. AD 7-4850, AD 7-7792.

2-ROOM FURNISHED apartment. Newly decorated. Utilities included. Graduate men preferred. Call mornings or evenings AD 7-2665.

THREE ROOM Apartment with three single beds. Free parking. Washing machine, fireplace, kitchen. For 6 week, \$120-main session; 3-week post-session -450. Phone AD 7-4419.

WANTED

WANTED-ride from Pittsburgh to State College Tuesday July 7, after the All-Star Game. Call Melanie ext. 2754.

SOMEONE TO share apartment for last nine weeks of summer. Stop at Apt. 26 Metzger Bldg. after noon.

MISCELLANEOUS

"YOU PLANNIN' A PICNIC MAYBE?"

Blair Shop

If so, and you're too busy to think of everything, let us worry about the menu.

142 South Allen St.

You like punch and cookies for your picnic maybe? We got punch and cookies.

You like coffee and doughnuts. We got the best coffee and the most delicious doughnuts in town.

You like 'em at home for your party or picnic? Like I said, we've got them, we'll worry about them, because we've got the catering service to do it all.

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