

NEW DISCOVERIES ALL OVER THE EARTH

Why New York's Peculiar Conditions Which Affect Manhattan Island, but NOT the Mainland, Only a Few Miles Away

WEATHER FORECASTS Are So Often WRONG

By W. H. Ballou, Sc. D.

WHEN the sky is overcast and it is raining or snowing hard you can't be blamed for feeling a trifle indignant to see staring you in the face from the front page of your newspaper an official Government prediction of fair weather.

River, where the two atmospheres harmonize, approximately all seasons.

The land wall of atmosphere is partly a creature of the temperature of the land, and the ocean wall of the temperature of the water. It stands to reason that in Autumn the salt water is from one to several months in getting as cold as the land.

At the latitude of the mouth of the St. Lawrence and of Jacksonville, Fla., the temperatures of the land and salt water are always nearly equalized.

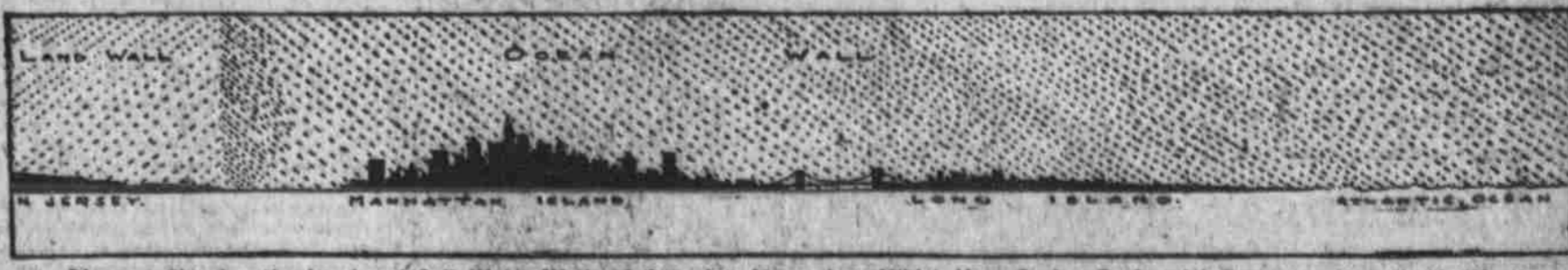


Diagram Showing the Land and Salt Water Walls of Opposing Atmosphere which have such a profound influence on New York's weather.

who shall remain permanently and be allowed to do independent predicting solely for this island.

Neither will predictions in Philadelphia, an inland town, do for Atlantic City, a coast town.

The difference of temperature on such occasions may run from 30 to 35 degrees. One can in a twelve-mile tour around New York go from quite cold conditions into quite warm ones.

A common inaccuracy of the weather forecasts is the one which states that "the storm which formed Wednesday on the west Gulf coast will move northeastward, reaching New York some time Friday."

Such passes out of the Gulf of St. Lawrence, besides the whacks it gets from its own North Sea.

These world-circling storms move in certain parallels of latitude, deflected to the northeast or southeast by large bodies of water and by differences of temperature.

Astronomers know all these things and can base long distance predictions on them. But even astronomers would not undertake to make specific predictions for New York on any such basis as the Weather Bureau uses.

Some TREES ARE BRAVE and Others Are COWARDS

NOT all men are brave and eager to fight for existence. In times past many human tribes have retreated to deserts or to other inhospitable regions rather than fight to hold better lands.

The Southern pines resist competition feebly. The long-leaf pine, which sticks to the sandy land more closely than some of the others, is a poor fighter for space.

pine of the Eastern States, which has various names in different regions from Massachusetts to Tennessee.

and farther South and West. It creeps into open spaces, and is the companion of sassafras and huckleberry bushes.

The stately white pine is one of these vegetable cowards. This tree was found in the original forests of America, occupying sandy tracts, rocky hills and uninviting situations.

SMALL POTATOES Will Make CHIMNEYS DRAW

THOUSANDS of chimneys, both large and small, frequently smoke and prove a great annoyance. Quite a number of remedies have been advocated, but few of these are successful.

As a rule, the broad-leaf trees are better fighters for ground than the soft woods.

The greatest hindrance to a chimney drawing as it should is the accumulation of soot which clogs the interior of chimneys and flues, and clog up stovepipes.

BLOWING UP Your SKIN Like a FOOTBALL with OXYGEN

THE administration of oxygen is often the only means of keeping a person alive when in the critical stages of pneumonia and other diseases.

any desired spot, usually the upper part of the chest, but any part where the skin is lax will do equally well.

Eleven cases of pneumonia were treated, but the results were disappointing. The respiratory rate never fell more than 6 per minute and often remained unchanged.

Some held that the plague could be cured by prayer and human sacrifices. Others recommended the kindling of huge bonfires in the streets.

You EAT MORE if You're THIN

"I must take a lot of food to keep them alive," is a remark you often hear made about fat men or women.

a considerable advantage in having your bones well rounded out with flesh. The body that is reasonably plump is much more economical of the heat which is supplied by the food eaten.



Contour of a French Physician in the Early Eighteenth Century—A Curious Combination of Foolish Superstition and Scientific Truth.

How DOCTORS Used to Try to FRIGHTEN AWAY DISEASE

THE idea that a horse-chestnut in your pocket will cure rheumatism or that the wearing of a red string on the finger will stop nosebleeds and many other foolish beliefs still persist.

How Many Tires We Use

IN round numbers there are now 1,600,000 automobiles in the country, and not one of them can possibly get along with less than four tires a year.

How CACTI Help KEEP YOU WELL

CACTI are found in great abundance throughout the high and somewhat desert lands of the Southwest and throughout a vast section of Mexico.