

POEM ON ATMOSPHERIC PHENOMENA

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ATMOSPHERIC PHENOMENA

Here and there, haboobs—intense dust storms: in the Sahara desert, across the Arabian Peninsula, throughout Kuwait, and in deserts of Central Australia, the hot arid and semiarid regions of North America

and in the heart, especially

deserts in Arizona. Strong winds move in from all directions, supporting thunderstorm formation, and when such storms collapse

in despair winds rush out

in all directions, particularly

in the direction of the storm's forward motion and these winds, in gushing, pick up

silt, dust, and dusty memories: they approach with little warning.

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And virga, an observable

shaft of precipitation falling but which evaporates or sublimes before reaching the ground. The evaporation cools the rushing air and accelerates it

well beyond the self.

Not the same as a dust devil whirled up: a localized vertically oriented rotating column of wind driven by extreme

differences in temperature between near-surface air and the higher atmosphere. And of course

St. Elmo's fire:

ionization of air molecules, a plasma, a thousand volts or more per centimeter with discharge being especially intense at the ends of sharp objects, the tips of cattle horns,

dilemmas.

Unsteady
weather, unsteady emotions,
a ship
with storm-ragged sails, masts

pointed with a blue flame—

Corpus sancti, oh holy body appearing when the worst is past.



Resources Related to Topic

Atmospheric electricity. (2017, May 27). In Wikipedia, The Free Encyclopedia. Retrieved 14:50, June 7, 2017, from https://en.wikipedia.org/w/index.php?title=Atmospheric_electricity&oldid=782551128

Derr, J. S. (1973). Earthquake lights: A review of observations and present theories. *Bulletin of the Seismological Society of America*, *63*(6). Retrieved June 7, 2017, from http://www.bssaonline.org/content/63/6-1/2177.short

Idso, S,B,, Ingram, R.S., and Pritchard, J.M. (1972). An American Haboob. US Water Conservation Laboratory and National Weather Service. Retrieved June 7, 2017, from http://journals.ametsoc.org/doi/pdf/10.1175/1520-0477(1972)053%3C0930:AAH%3E2.0.C0%3B2

McNally, F. (2017). Incendiary Device – An Irishman's Diary about St Elmo's Fire. *The Irish Times*. Retrieved June 7, 2017, from http://www.irishtimes.com/opinion/incendiary-device-an-irishman-s-diary-about-st-elmo-s-fire-1.3104622

Stewart, A. (2017). Arthur Stewart. Celtic Cat Publishing. Retrieved August 10, 2017, from http://celticcatpublishing.com/arthur-stewart/

Thompson, A. (2014). How Do Dust Devils Form? *Scientific American*. Retrieved June 7, 2017, from https://www.scientificamerican.com/article/how-do-dust-devils-form/

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