

COLORADO

# CAFÉ SCIENTIFIQUE

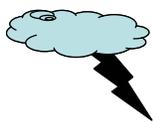
TUESDAY 17 APRIL 2007

at the **Wynkoop Brewing Company**

<http://www.wynkoop.com/>

Corner of 18<sup>th</sup> and Wynkoop in LoDo, Denver

About a block from Light Rail. Thirteen minutes by foot from Auraria.



## *Lightning!*

### SCIENCE AND SAFETY



*RICHARD KITHIL, JR., FOUNDER & PRESIDENT,  
NATIONAL LIGHTNING SAFETY INSTITUTE*

*ROBERT GIFT, CHIMNEY SWEEP, NATIONAL LIGHTNING DATA CENTER*

Lightning is the most dangerous and frequently encountered weather hazard that most people experience each year. It is the second most frequent killer in the United States with nearly 100 deaths and 500 injuries each year. (Floods and flash floods are the number one cause of weather-related deaths in the U.S.) The action of rising and descending air within a thunderstorm separates positive and negative charges. Lightning results from the buildup and discharge of electrical energy between positively and negatively charged areas. Each spark of lightning can reach over five miles in length and soar to temperatures of 28,000 °C. You need to understand what lightning is and what to do when it's nearby, because lightning season is upon us. Richard and Robert will explain all.

***EVERYONE IS WELCOME.*** The discussion starts at 6:30 in the Mercantile Room (no food service there). Come before 6 PM to leave yourself time to get something to eat, or stay and eat afterwards. We end around 8 PM.

There's no charge. The Wynkoop is generously providing the facility; we buy our own drinks. It is first come, first seated, and **seating is limited** so that everyone can take part in the discussion.

The Colorado Café Scientifique is organized by an informal group of President's Teaching Scholars and faculty from CU and institutions up and down the Front Range, as well as science fans from industry, government and elsewhere. We welcome your input, including ideas for speakers and topics. Bring them with you to the next Café, or e-mail them and any questions to [John.Cohen@UCHSC.edu](mailto:John.Cohen@UCHSC.edu)

Essential information on our Web site at <http://CafeSciColorado.org>