

# Introduction to Lightning Phenomena

Note Title

3/12/2014

## \* Lightning Flash Mechanism:

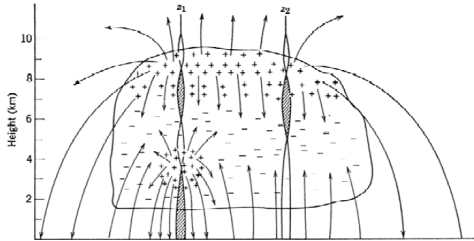


Fig. 14.1. Hypothetical case of a cloud with a positive charge in the upper part, a negative charge in the lower part, and a small region of strong positive charge near the base. See also reference [10, Fig. 4.2].

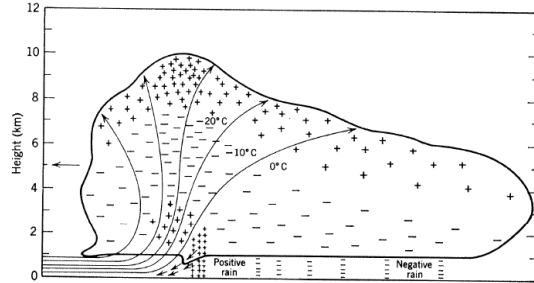
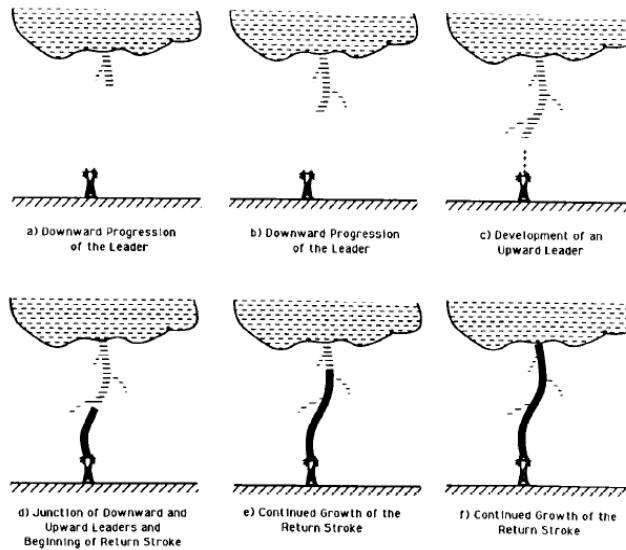


Fig. 14.2. Generalized diagram showing air currents and distribution of electricity in a typical heat thunderstorm.



Lighting causes:

① 26% outages on 230kV.

② 65% " " 345 kV

