





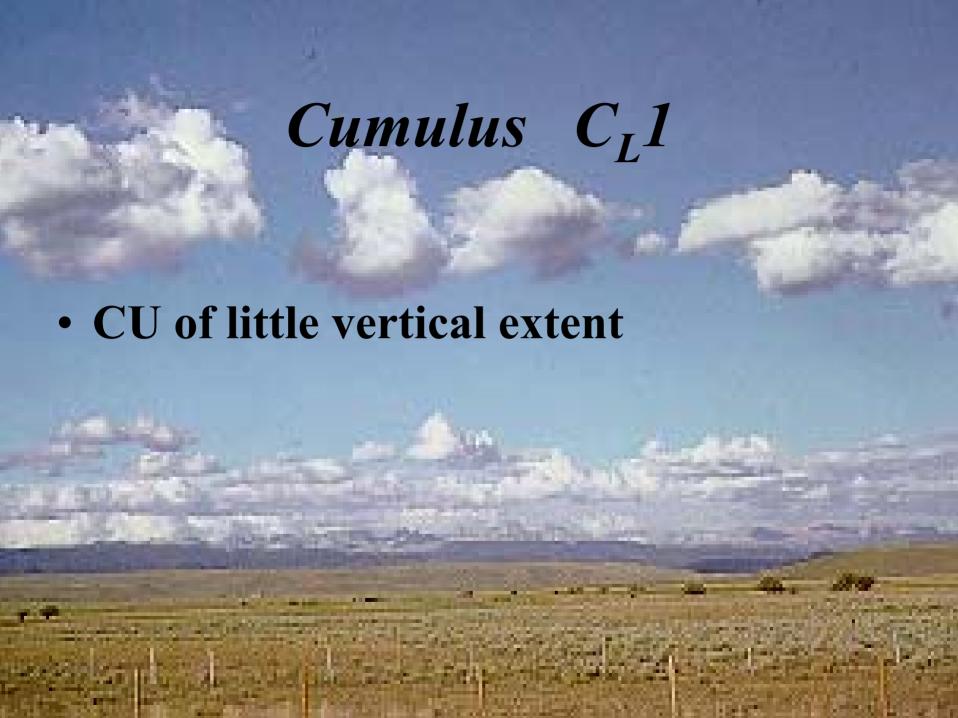


Three Cloud Layers (Etages)

- Low Clouds C_L
- Mid Clouds C_M
- High Clouds C_H

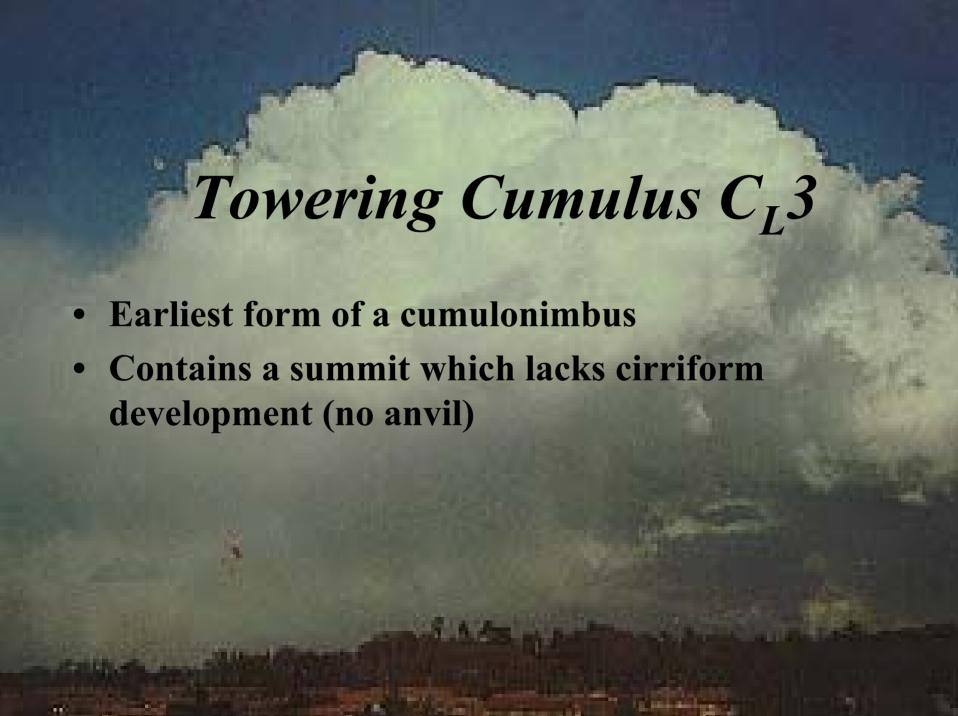
Low Etage (up to 6,500 ft)

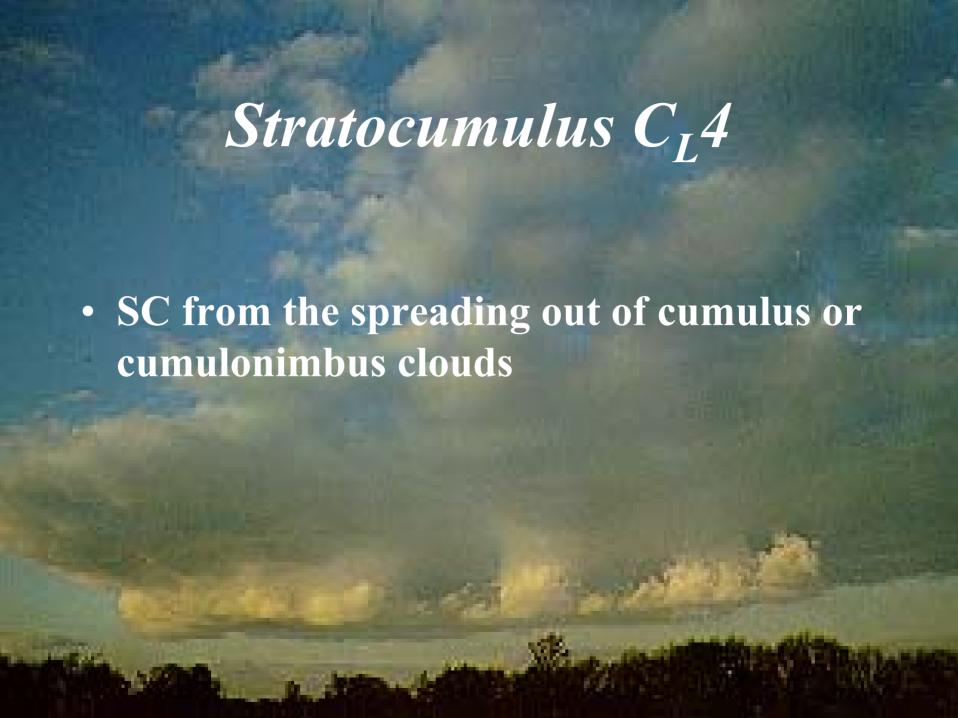
- Cumulus $(C_L 1)$
- Towering cumulus $(C_L 2, C_L 3)$
- Stratocumulus $(C_L 4, C_L 5)$
- Stratus $(C_L 6)$
- Stratus fractus or cumulus fractus $(C_L 7)$
- Cumulus and stratocumulus $(C_L 8)$
- Cumulonimbus $(C_L 9)$



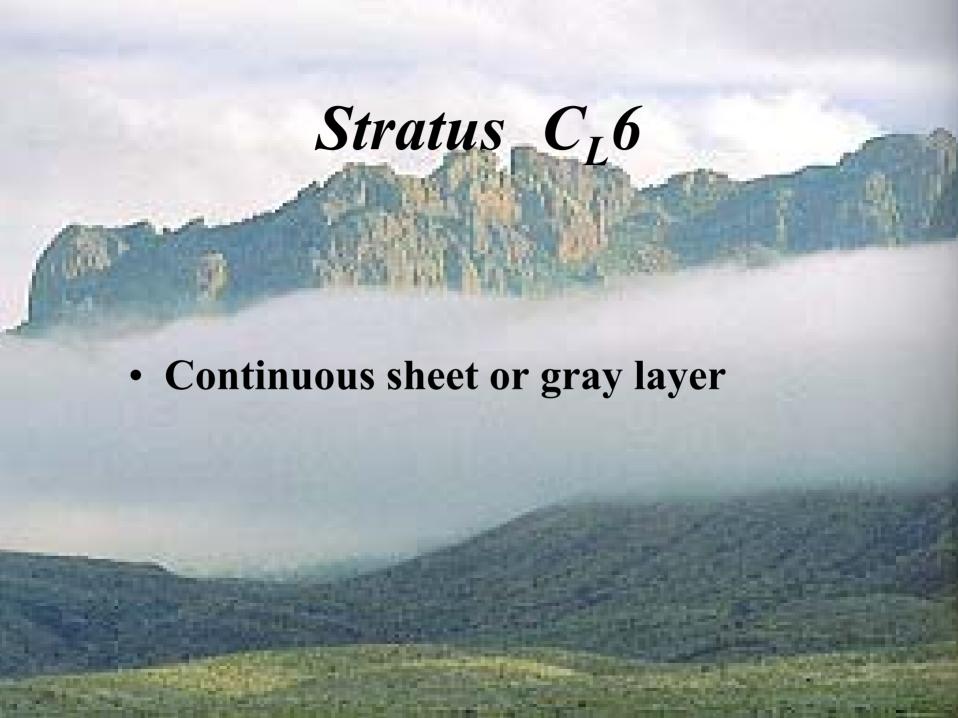


- CU of moderate or strong towering vertical development
- Normally accompanied by other CU or SC with bases at the same level









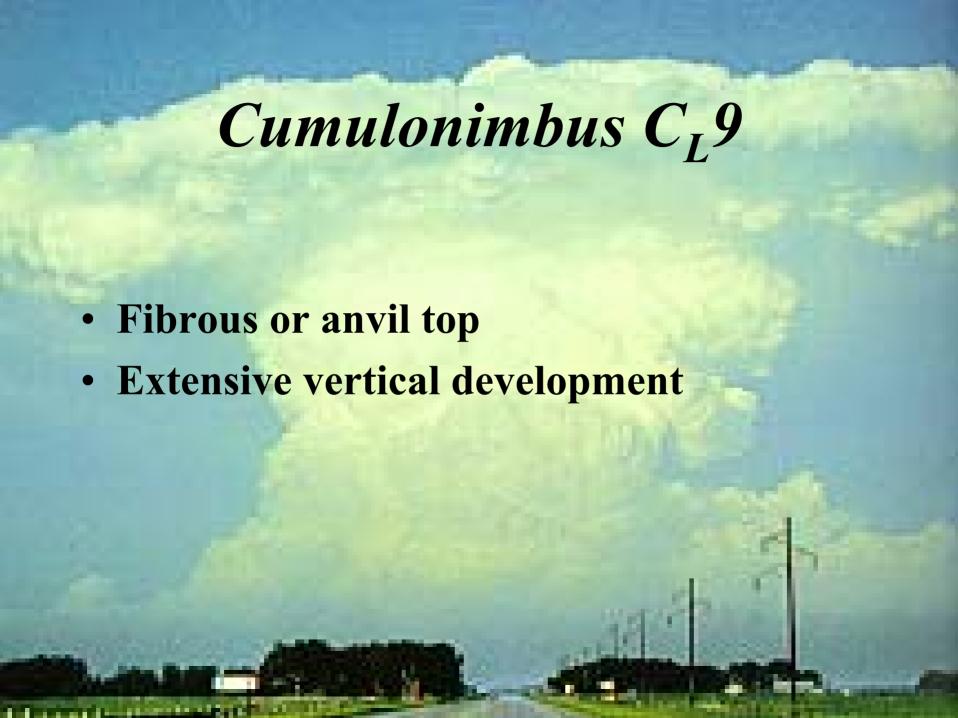
Stratus Fractus or Cumulus Fractus C_L 7

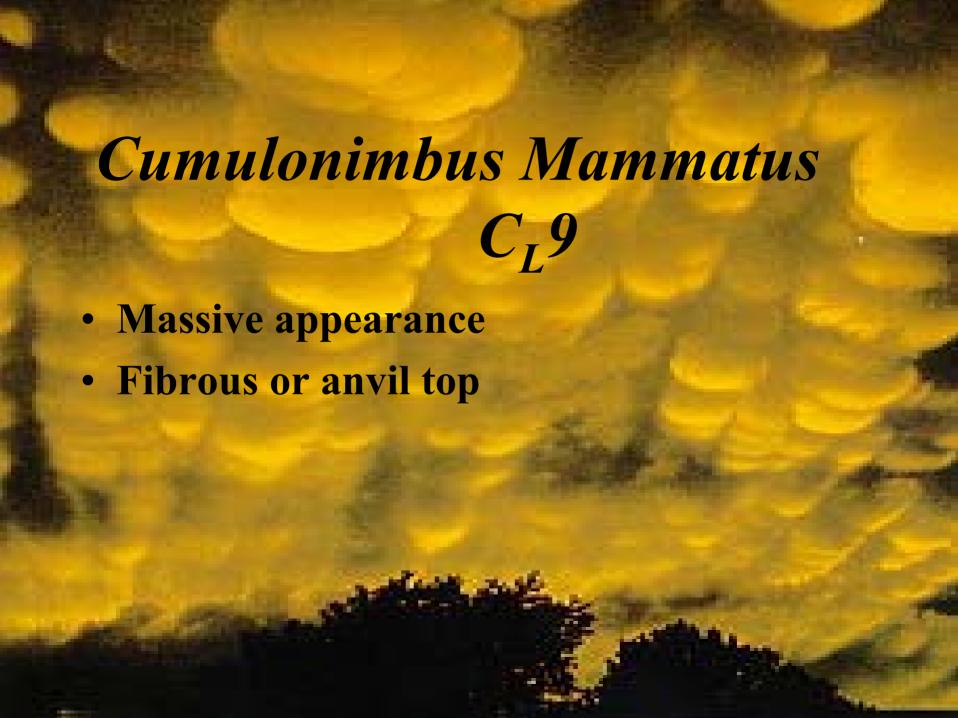
Usually found beneath the base of CB clouds that are precipitating





- Combination of both CU and SC
- Formed by means other than the spreading of cumulus





Mid Etage (6,500 -18,000 ft)

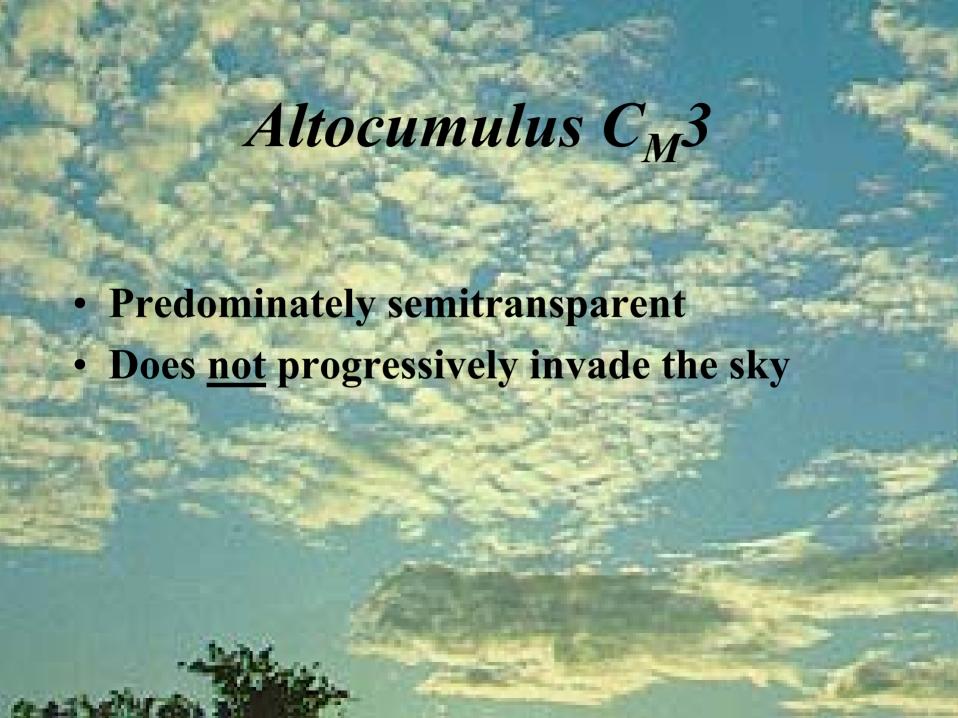
- Altostratus $(C_M 1)$
- Altostratus or nimbostratus $(C_M 2)$
- Altocumulus $(C_M 3, C_M 4, C_M 5, C_M 6, C_M 8, C_M 9)$
- Altocumulus or altocumulus with altostratus $(C_M 7)$

Altostratus C_M1

Greater part of cloud is semitransparent

Altostratus or Nimbostratus C_M2

 Denser and darker cloud which produces heavier precipitation

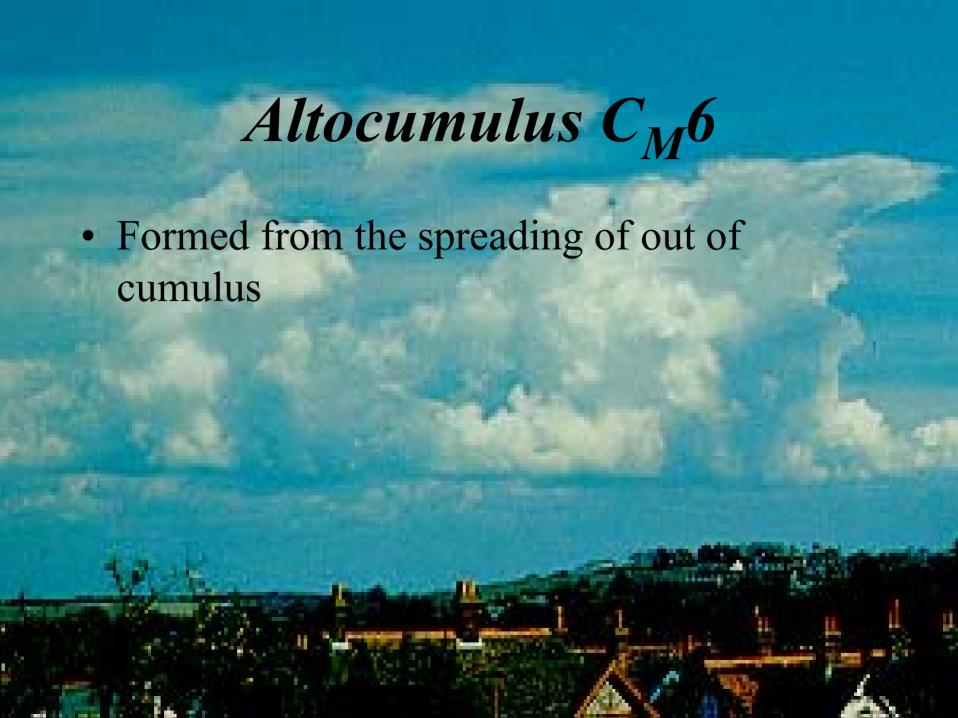


Altocumulus C_M4

• Irregularly shaped elements that are continually changing shape







Altocumulus C_M7

- Consists of two or more layers of AC
- Altocumulus together with altostratus or nimbostratus

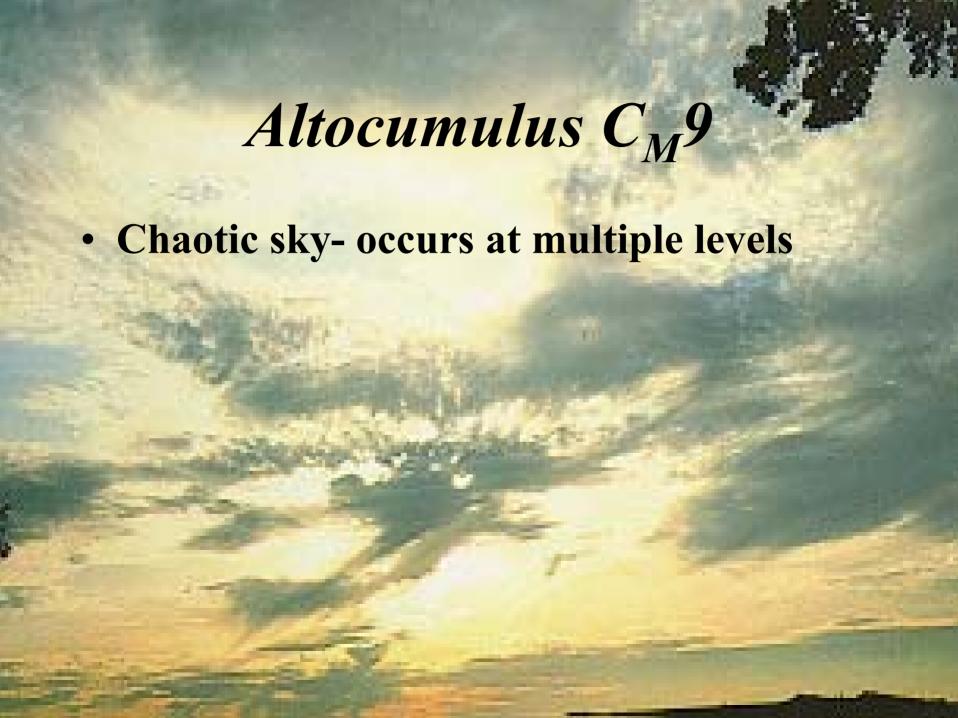
Altocumulus with altostratus or nimbostratus C_M 7

· Consists of AC clouds in two or more layers



Altocumulus C_M8

• Contain tuffs or sprouting in the form of small towers or battlements

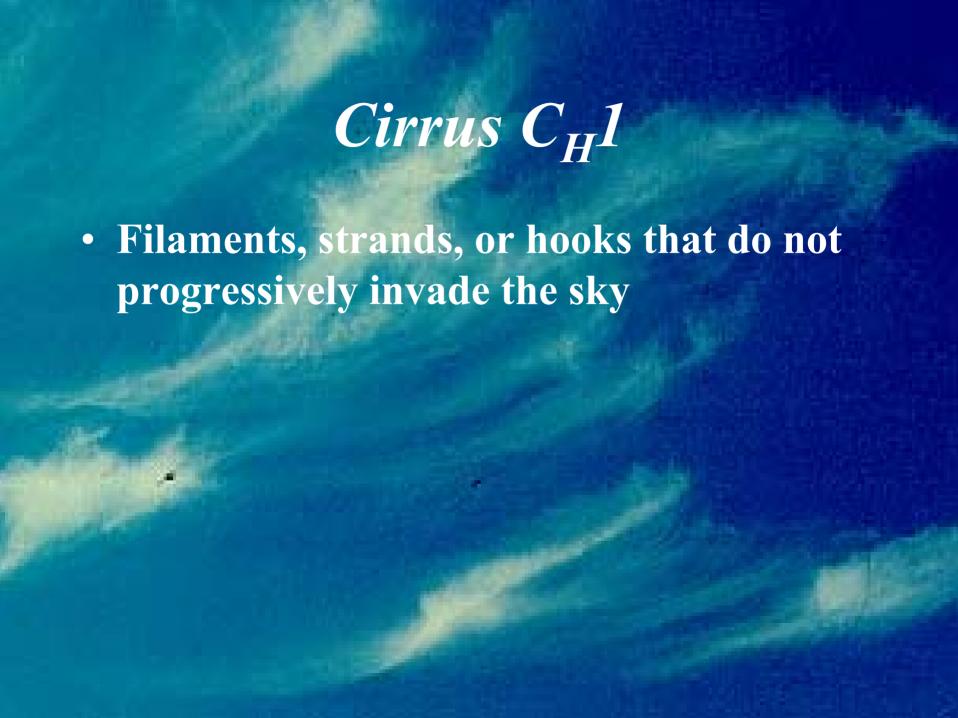


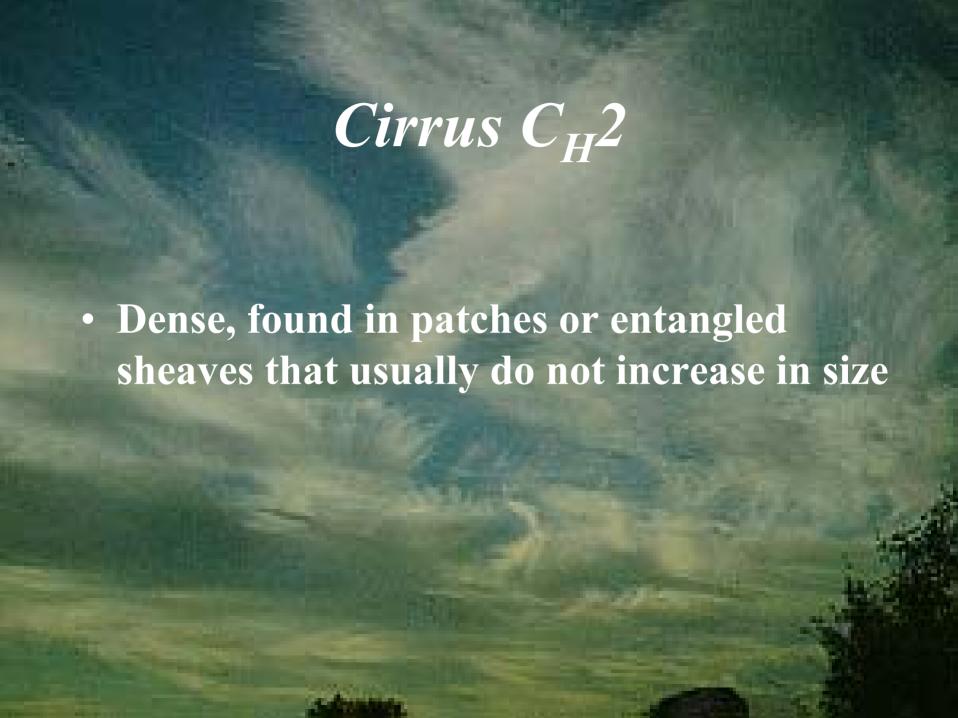


- Cirrus $(C_H 1, C_H 2, C_H 3, C_H 4)$
- Cirrus and Cirrostratus or Cirrostratus alone $(C_H 5, C_H 6)$
- Cirrostratus $(C_H 7, C_H 8)$
- Cirrocumulus $(C_H 9)$

Cirrus C_H1

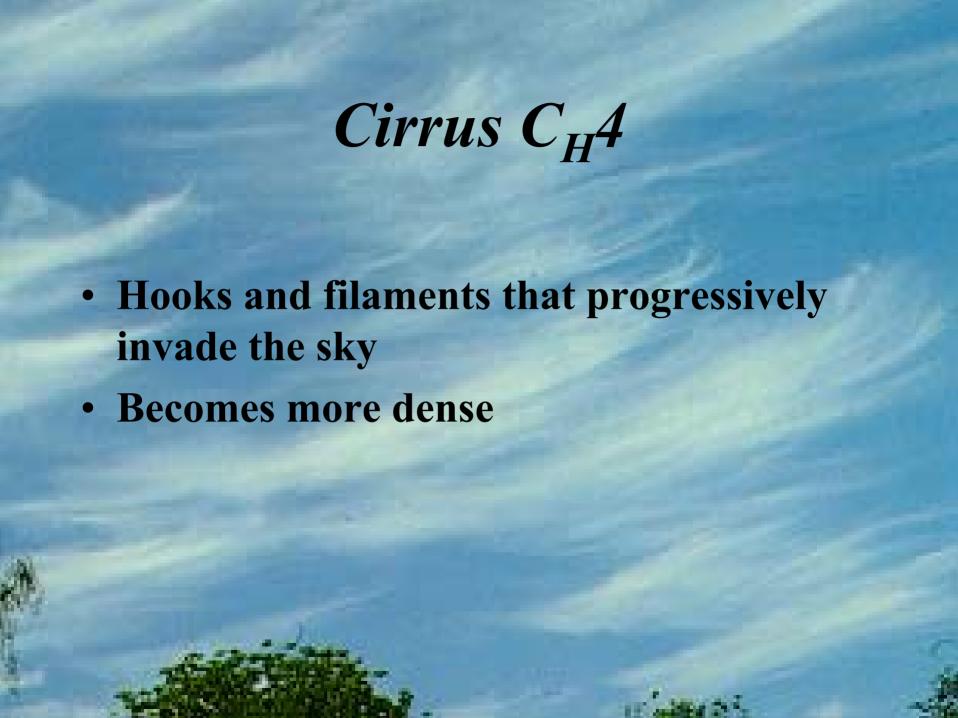
• Filaments, strands, or hooks that <u>do not</u> progressively invade the sky





Cirrus C_H3

- Dense cloud often in the form of an anvil
- Transformed from upper levels of a CB





Progressively increasing but below 45° elevation



Cirrostratus C_H6

Increasing and above 45° elevation

Cirrostratus C_H7

- Uniform veil covering the sky
- Can produce the halo phenomenon



- No longer progressively invades the sky
- Does not completely cover the sky

Cirrocumulus C_H9

Referred to as a mackerel sky

The Hydrologic Cycle

