### FIGURE 18- ALTOCUMULUS CASTELLATUS

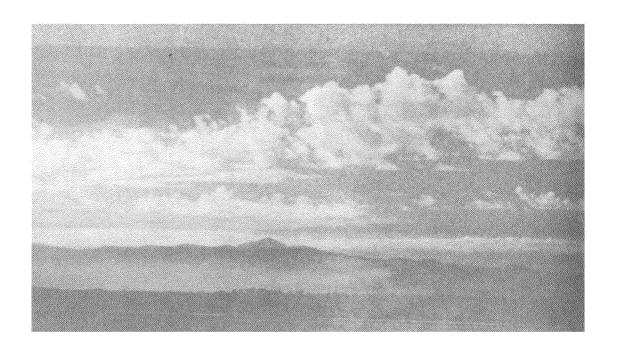


FIGURE 19 — ALTOCUMULUS LENTICULARUS



## EXERCISE 3: CLOUDS AS WEATHER INDICATORS

MATCH THE CLOUDS (LEFT) WITH WEATHER CONDITIONS (RIGHT).	THE I	EXISTING OR PROBABLE
Cirrostratus	Α.	When seen in morning could mean thunderstorms later in the day.
Cumulus	В.	A rapidly approaching cold front with strong shifting winds.
Cumulonimbus (Thunder-head)	C.	An approaching warm front with possible rain.
Wall of Cumulus and/or dust	D.	Unstable atmosphere.
Altocumulus castellatus	Ε.	Stable atmosphere at least at cloud level. Possible drizzle.
Altocumulus lenticularus	F.	Possible cool downdrafts of strong, gusty winds, and higher relative humidity.
Stratus	G.	Strong winds aloft that

CHECK YOU ANSWERS WITH THOSE ON PAGE 26.

# ANSWERS TO EXERCISES

#### EXERCISE 1

C Adiabatic process

F Dew or frost

 $\underline{\mathbf{D}}$  Dew point

A Equilibrium vapor pressure

H Relative humidity

<u>G</u> Temperature

 $\underline{\mathtt{B}}$  Temperature lapse rate

E Vapor pressure

#### EXERCISE 2:

1. DP  $7^{\circ}$ , RH 6%

2. Very dry

3. DP  $45^{\circ}$ , RH 27%

4. DP 41°, RH 30%

#### EXERCISE 3:

C Cirrostratus

D Cumulus

F Cumulonimbus

B Wall of Cumulus

A Altocumulus castellatus

G Altocumulus lenticularus

E Stratus