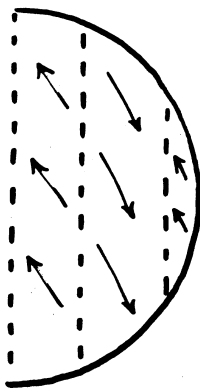
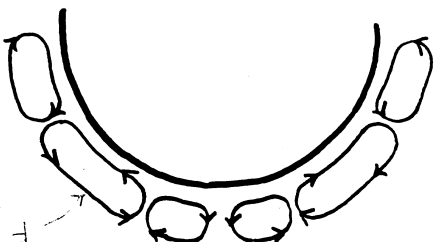


LATER OBSERVATIONS



MID-LATITUDE WESTERLIES HAVE
A SOUTHERLY COMPONENT

WILLIAM FERREL
(1856)



DOES NOT PROVIDE
REQUIRED ENERGY
TRANSPORT

THIS CELL CARRIES HIGH
PRESSURE AIR EQUATORWARD
AND LOW-PRESSURE AIR
POLEWARD

NO LONGITUDINALLY SYMMETRIC
CIRCULATION

- AGREES WITH THE OBSERVATIONS
- SATISFIES THE NECESSARY
PHYSICAL CONSTRAINTS

WHAT'S WRONG?

A PARCEL OF AIR WHICH WAS
AT REST AT THE EQUATOR WOULD
ACQUIRE A WESTERLY VELOCITY OF
1400 KNOTS IF IT CONSERVED ITS
ANGULAR MOMENTUM WHILE MOVING
TO 60° N LATITUDE.