

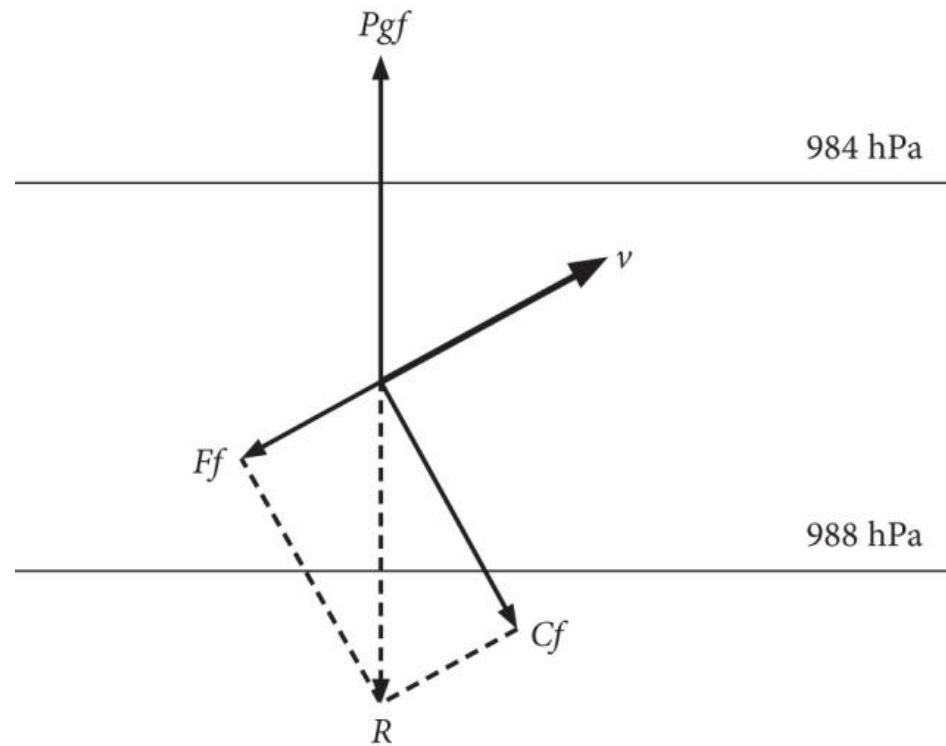
Buys Ballot's law

<https://www.youtube.com/user/MartinRHendriks/videos>



Christophorus Buys Ballot

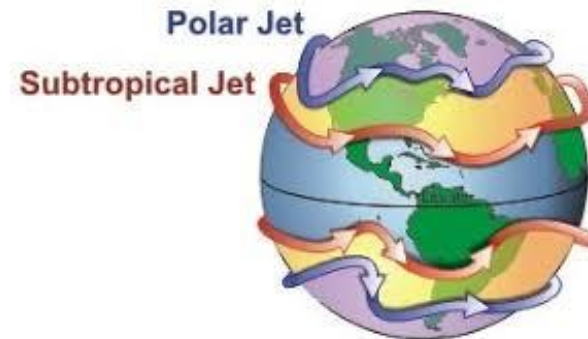
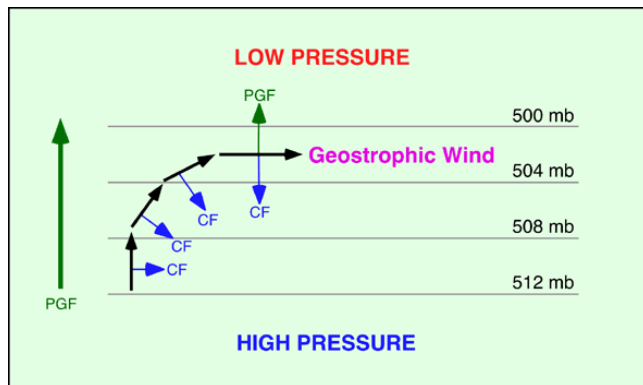
Northern Hemisphere



Geostrophic wind – Jet streams

<https://www.youtube.com/user/MartinRHendriks/videos>

no friction $\Rightarrow$ geostrophic wind



Source: <https://www.assignmentpoint.com/science/physics/geostrophic-wind.html>

Source: Wikipedia

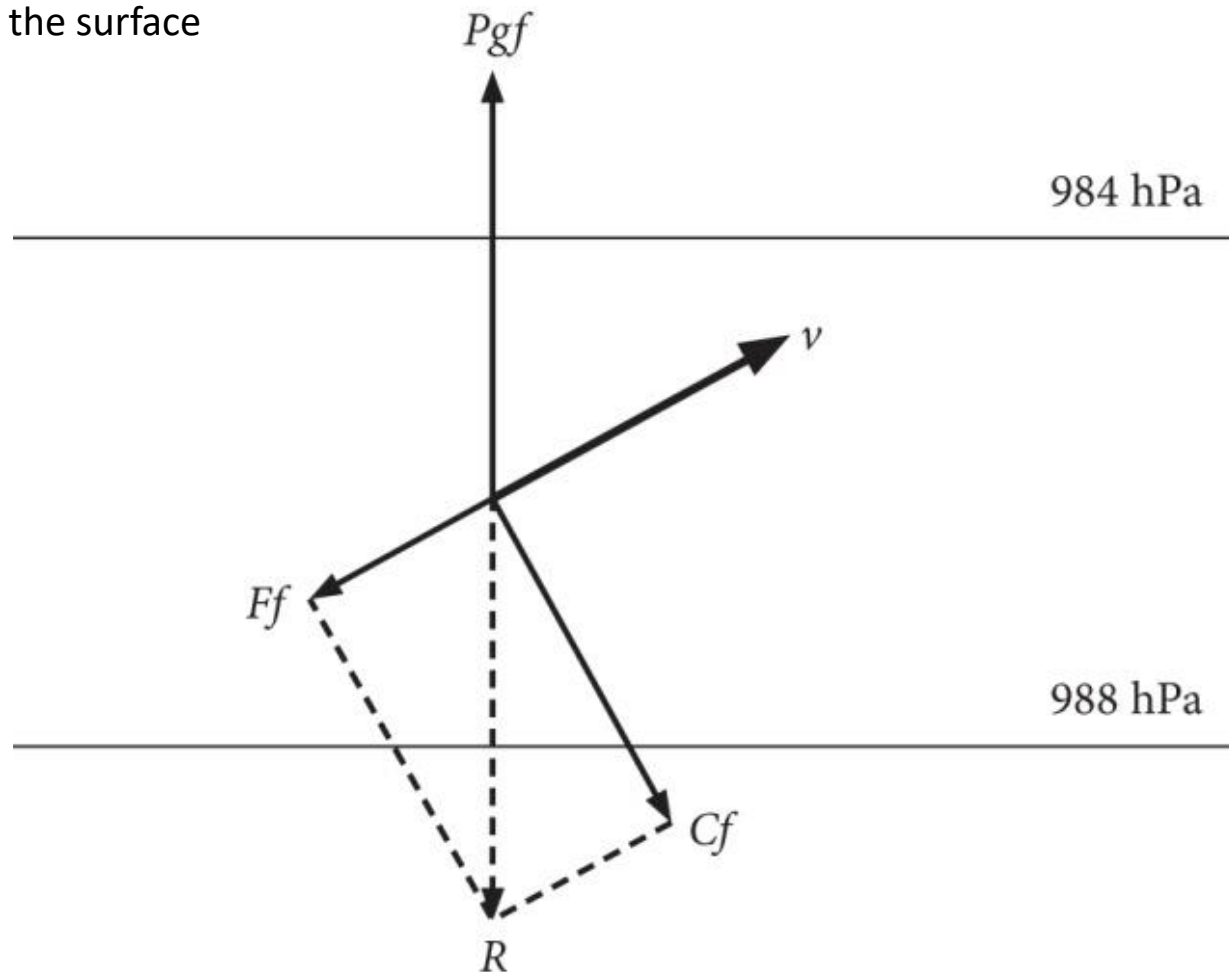
Jet streams: at an altitude of 8-15 km
6 km wide, meandering over a width of 200-800 km

Usually there are two in the N.H., and two in the S.H.

Buys Ballot's law - N.H.

<https://www.youtube.com/user/MartinRHendriks/videos>

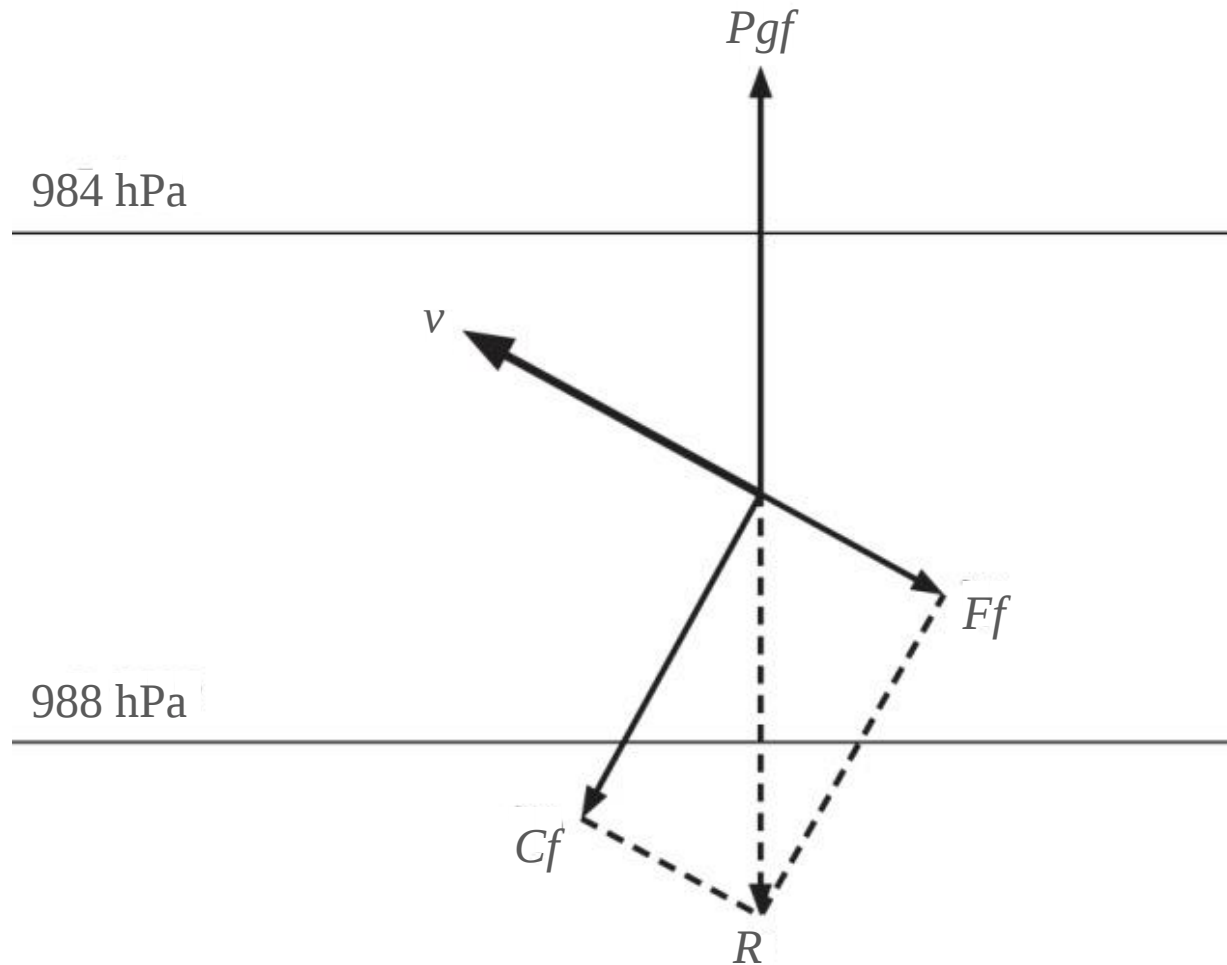
Friction F_f at the surface



Buys Ballot's law - S.H.

<https://www.youtube.com/user/MartinRHendriks/videos>

Friction F_f at the surface

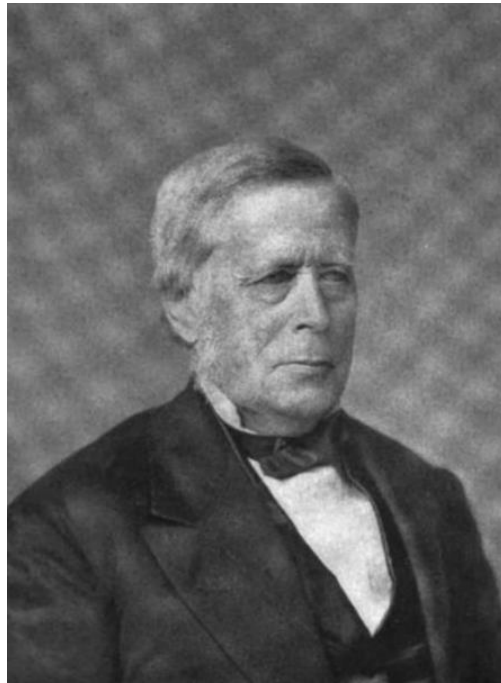


Buys Ballot's law

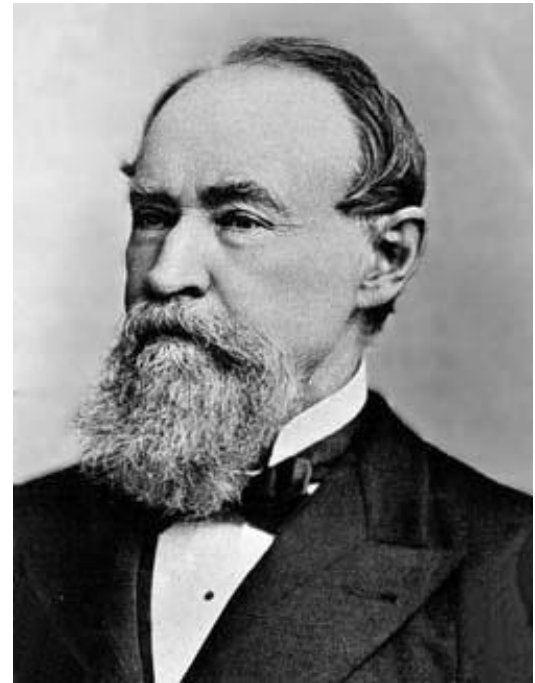
<https://www.youtube.com/user/MartinRHendriks/videos>



Christophorus Buys Ballot



James Henry Coffin

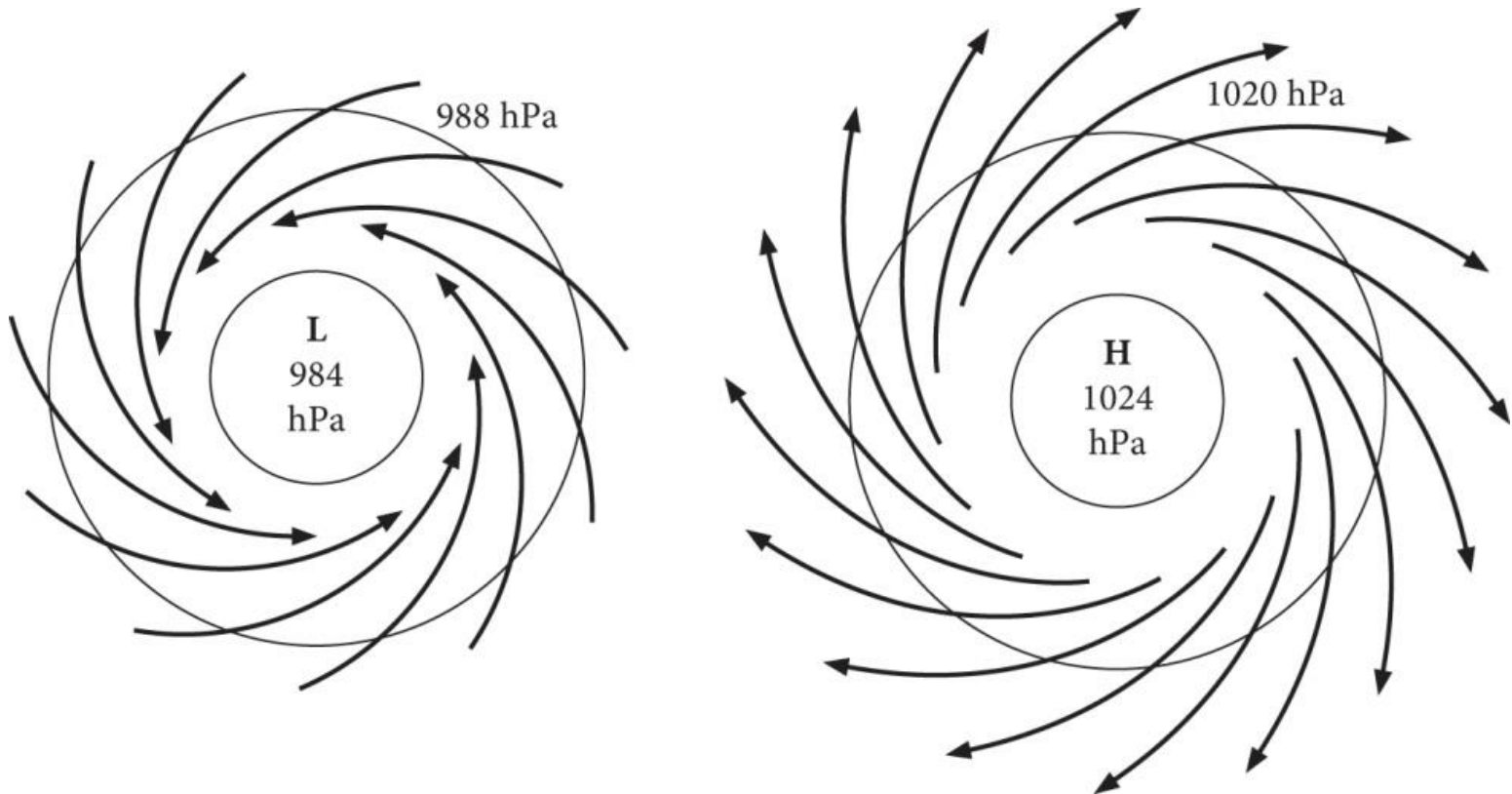


William Ferrel

Photos: Wikipedia

Air movement - N.H.

<https://www.youtube.com/user/MartinRHendriks/videos>



After Schmidt (1976)

Air movement - N.H. and S.H.

<https://www.youtube.com/user/MartinRHendriks/videos>

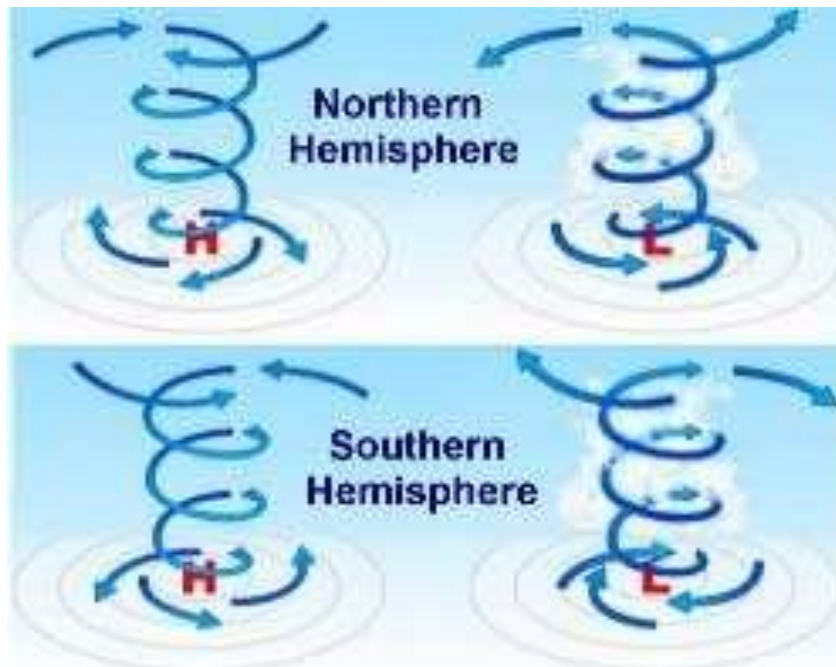
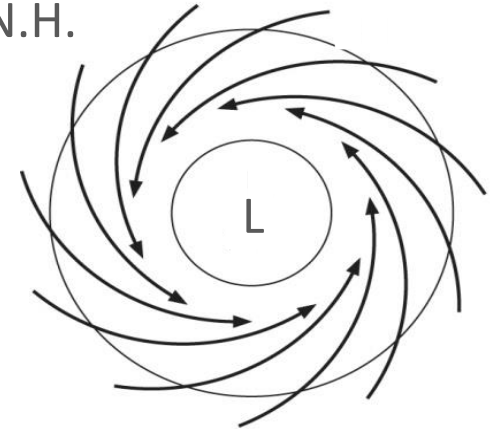
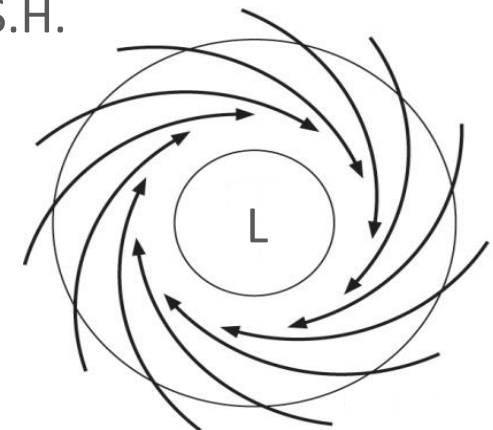


Figure: volvoceanadventure ©

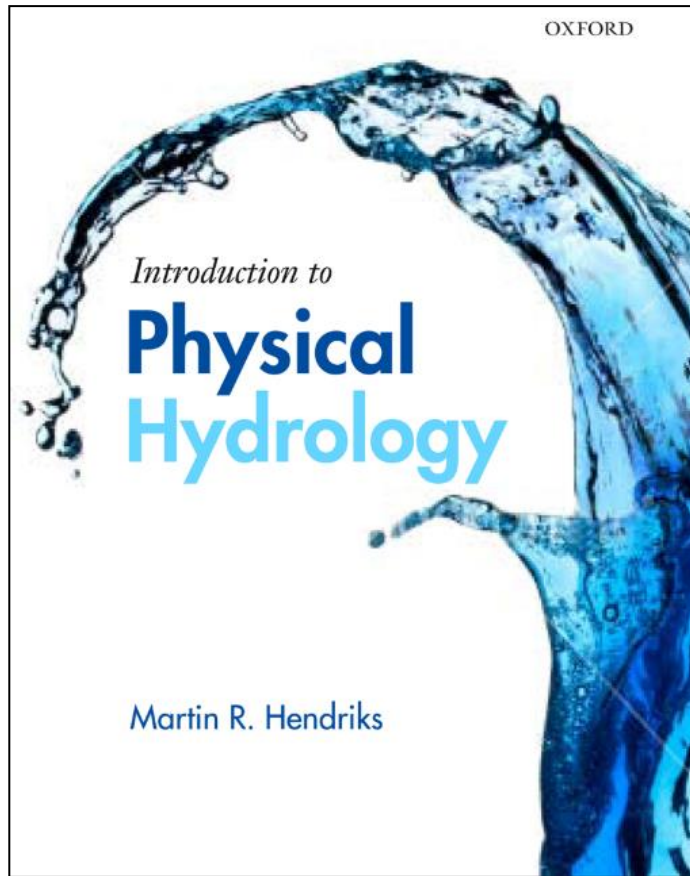
N.H.



S.H.



References



Schmidt, F.H. (1976). Inleiding tot de meteorologie [Introduction to Meteorology]. Aula-boeken 112. Het Spectrum.

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