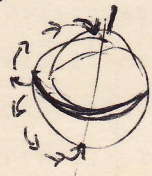


Antarctica is very windy (same across being hurricane force  $> 120 \text{ km/hr}$ ) winds for several days at a time) and very 'dry' (average annual precipitation = 120 mm) [Berg's theory: living by survival?]. Why?

- Precipitation occurs when moisture-laden air rises. Hot air rises, so precipitation mostly in the tropics, where air rises, so descend closer to the poles.



Area of tropics ( $\approx$  cylindrical surface  $40,000 \times (23\frac{1}{2} \times 2) \times 111 \text{ km}$ )  $\approx 208,680,000 \text{ km}^2$

Area of poles ( $\approx$  2 circles each of radius  $23\frac{1}{2} \times 111 \text{ km} = 2 \times \pi \times (2608)^2$ )  $\approx 42,758,000$

$\frac{\text{Area of poles}}{\text{Area of tropics}} = 0.204$ . So if all air went up in tropics, come down at poles, av. polar wind speeds should be five times av. tropic wind speeds.

DIACLECT/ACCENT SETTING

1984 Nov 22

It seems that dialects/accents become 'set' in an individual around the age of 15 years. Does this really tie in with puberty?

Do physiological changes occur in the brain (neuron/dendrite) cells at this time? eg death of connections left free till then? Does this have implications with other learning processes, i.e. are there other things which must be commenced before puberty to be 100% 'native' efficient?

Note: - 'Foreign-born' authors, seem able to write completely 'native' in a learnt language - so the 'setting' phenomenon may be sound-processing linked.

Daily book/cool pills (?)  
 78-7-20  
 for house

- 1) Rafe-line seals with extendable hulls in conventional shape for dorsal movement, retractable at ports for shallow dives.
- 2) ~~Expendable~~ ~~water~~ ~~filled~~ 'bags' to give hull correct (and variable) shape as the submergible drops out wave movements to give level floating.
- 3) Or how about making a retractable 'pulle' tunnel to force back along (so is peristaltic or more pump?)
- 86-6-14
- 4) Aerial <sup>dup</sup> plant-55:
- 5) Antarctic energy affected by cut-off link with UK - possibly provides the research/development centre for Australia.

