

For release
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Scattering the sun's heat! If it were not for the circulation of the air and the ocean currents, the tropics would be unbearably hot and the temperate zones much colder than they now are. This is because the heat received from the sun between the parallels 35 degrees north and 35 south (or roughly in the equatorial regions) is much more than that radiated away from the same area. But the oceans and air, becoming warmed there, flow toward the north and south, carrying the excess heat to temperate and even frigid zones, and making them less cold than otherwise would be the case. There are, in addition, cold air masses and cold ocean currents flowing equatorward from the poles, completing the heat-scattering process.