

For release By Major A.H. Thiessen
June 3, 1940 Science Service Meteorologist

Wind and the barometer! The question as to how much difference of air pressure is necessary to cause a 20-mile-an-hour wind is often asked. Everyone knows that air tends to move from high air pressure to low air pressure. In the free air, say 1500 feet high, a difference of about .025 inch between places 15 miles apart will cause a 20-mile breeze. The speed will be less at the surface than aloft, due to friction, less over a land surface than over a water surface, and also less in a city than in the open country.
