

For release By Major A.H. Thiessen
Jan. 31, 1940 Science Service Meteorologist

Frost and roads! Frost causes bumpy roads. Everyone has noticed in the spring that the pavement has heaved in places on some roads, while others are free of any displacement. It is the cold winter that causes it. The amount of heaving depends upon the degree of frost, the character of the soil and the amount of water available. A sudden drop in temperature after a thaw leaves an excess of water near the surface, which condition is favorable to excessive heaving. When water freezes it increases in volume as much as 10%, which accounts for the bumps in the roads.
