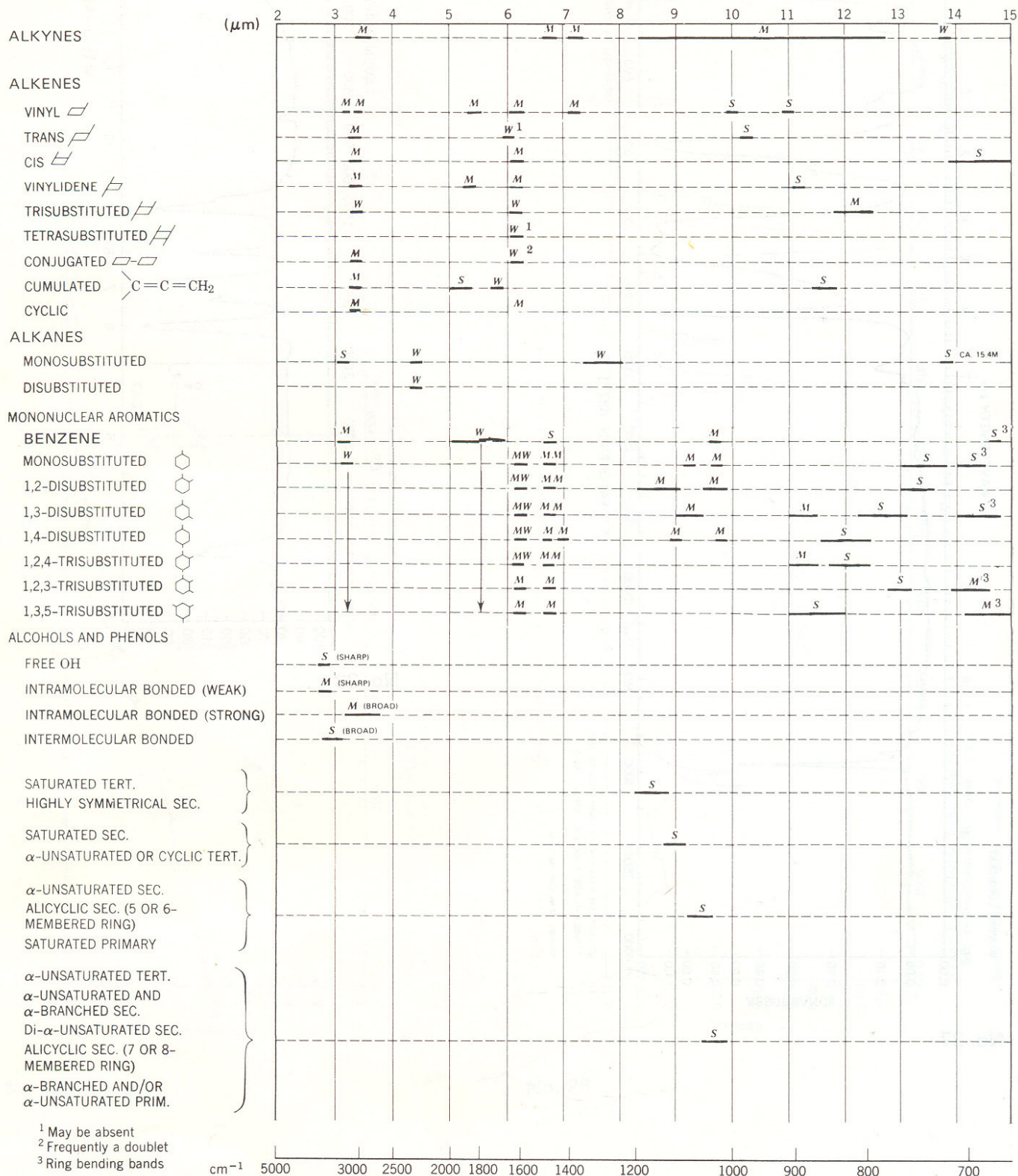
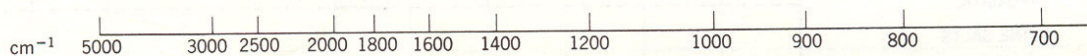
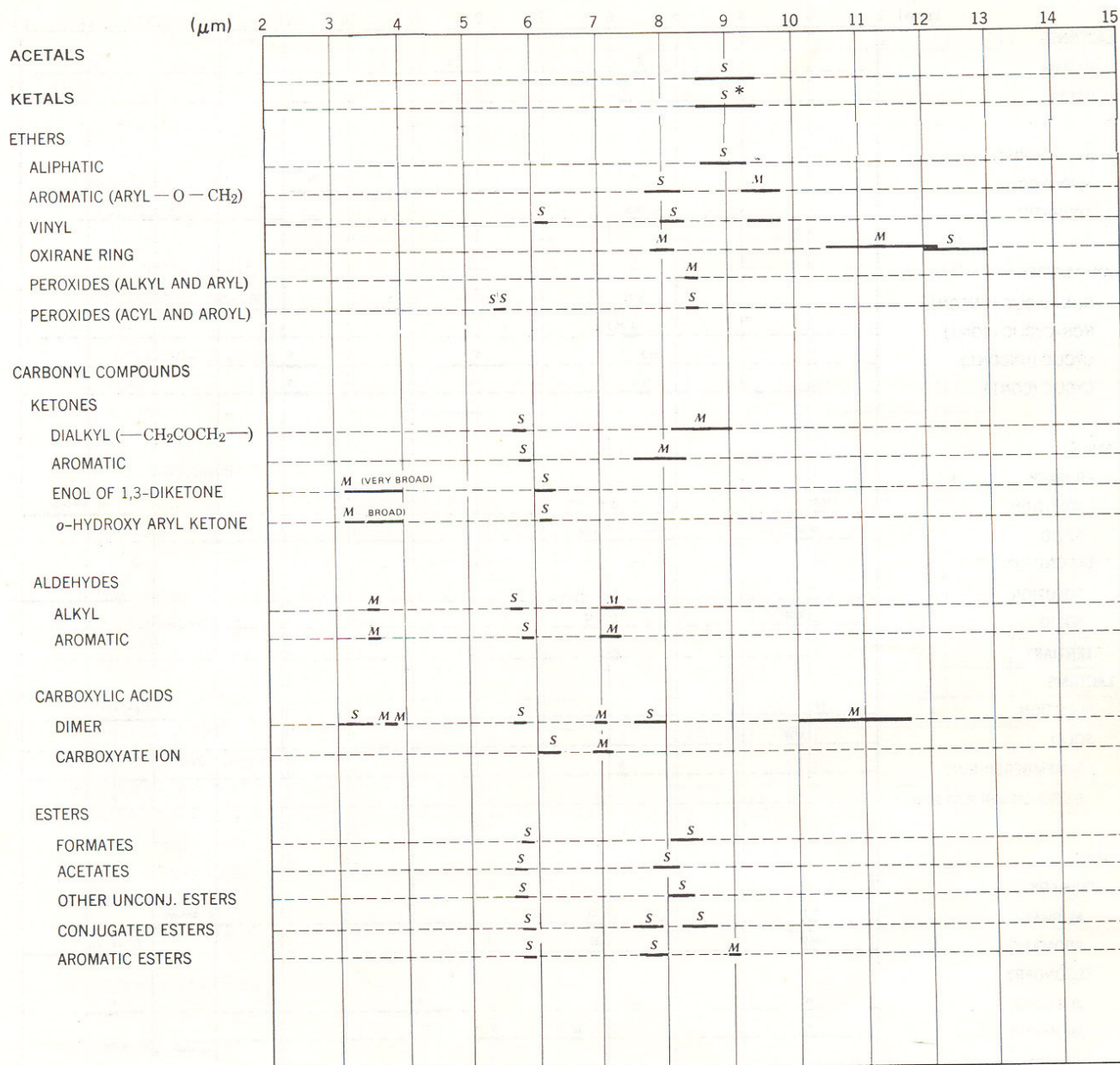


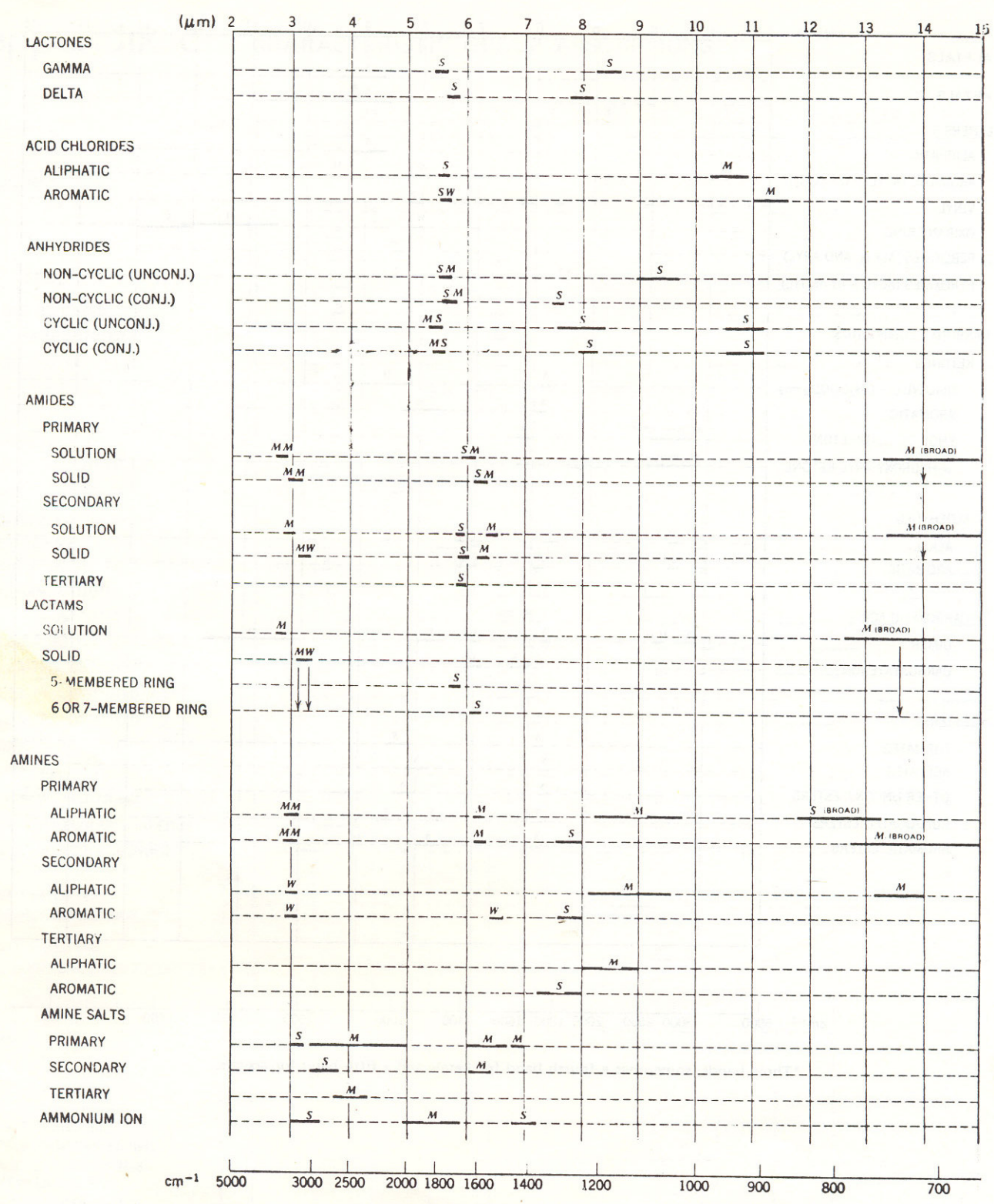
CHARACTERISTIC GROUP ABSORPTIONS

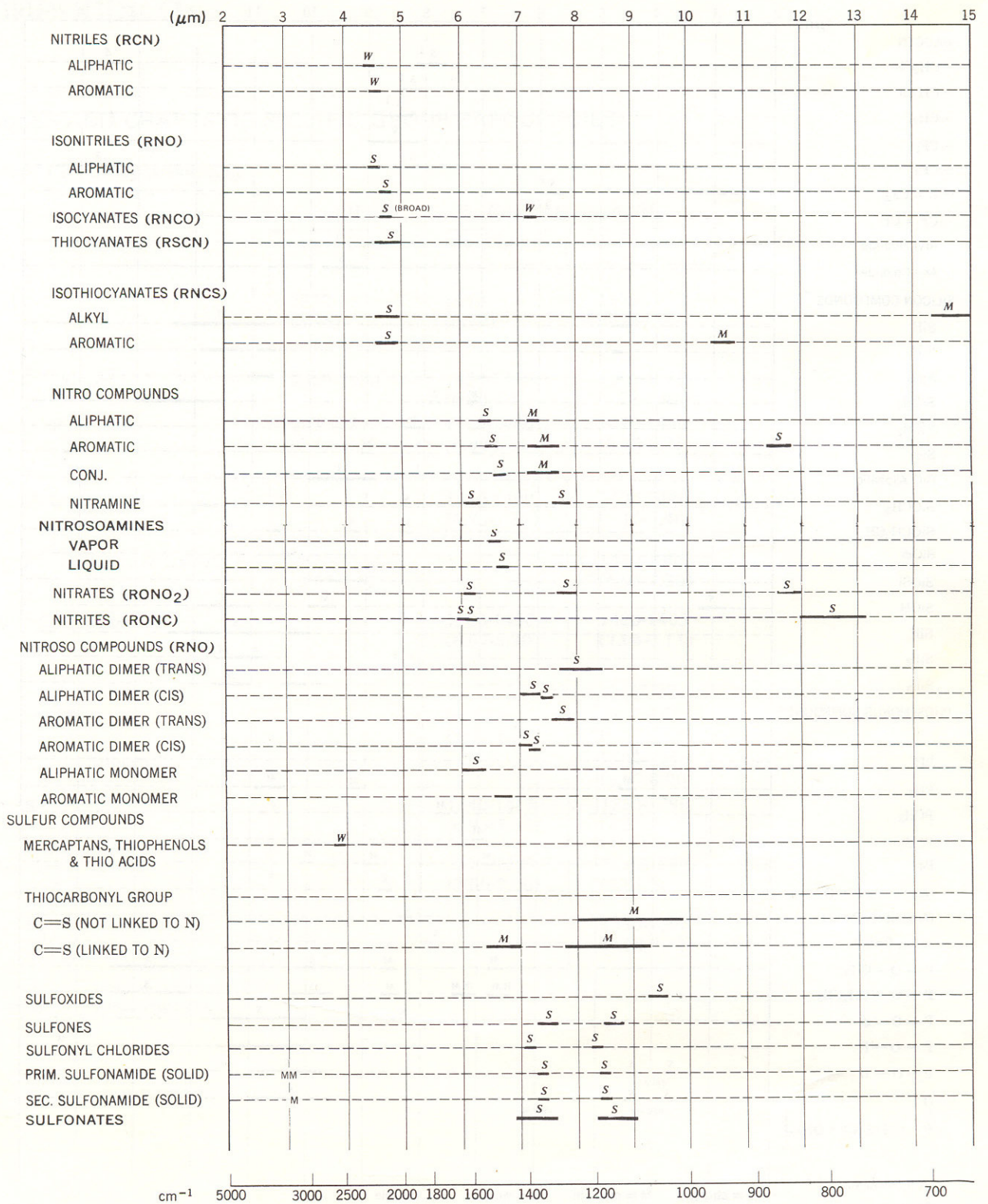


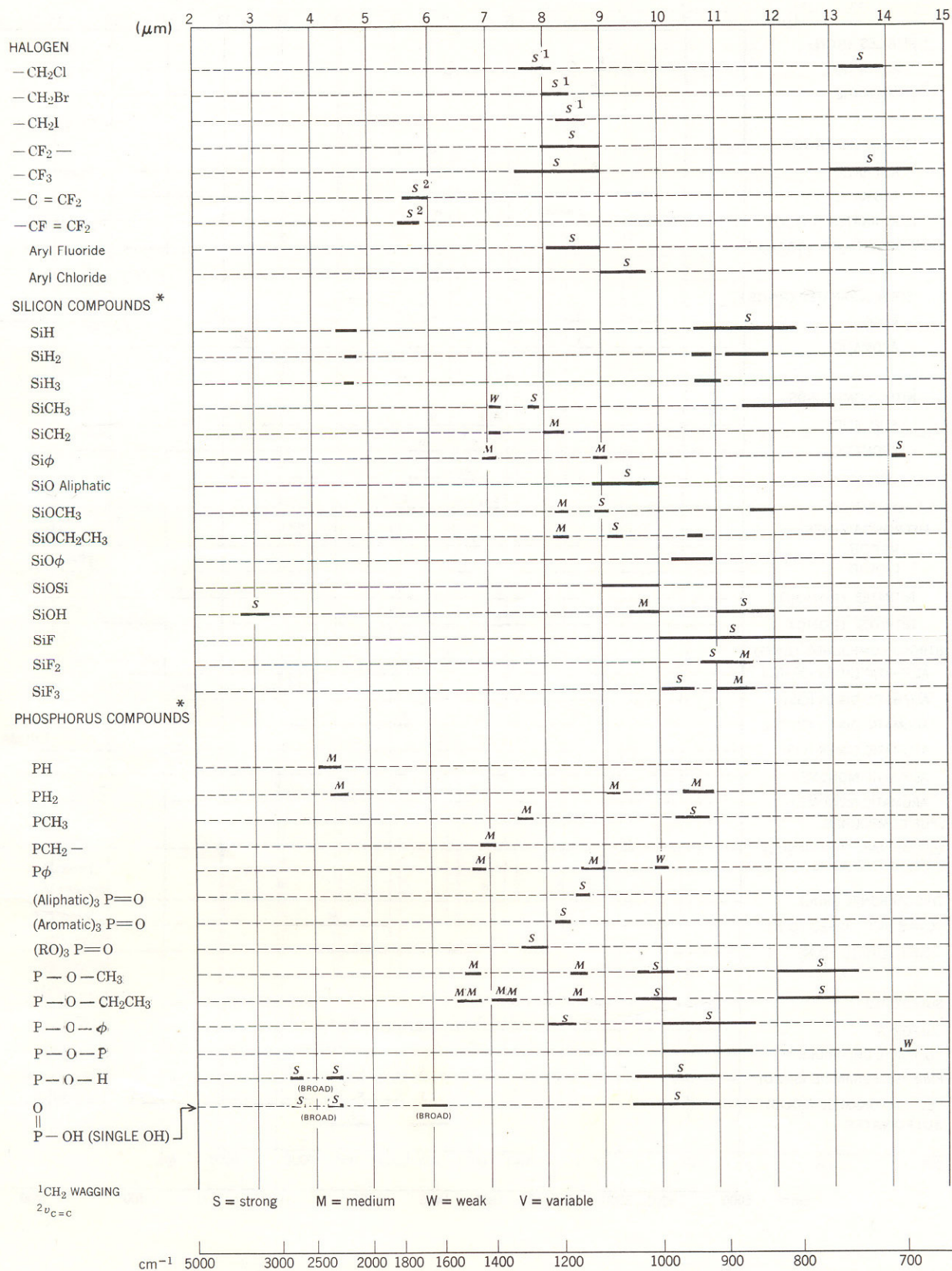
Characteristic group frequencies. The position of narrow absorption ranges is covered by a single letter indicating an average intensity. Broader absorption regions are indicated by a heavy bar. For example, a monosubstituted mononuclear aromatic may have four bands between 6 and 7 μm , three of medium intensity, and one weak.



*Three bands, sometimes a fourth band for ketals and a fifth band for acetals.







*Tables relating to these absorptions are found in Appendix E.