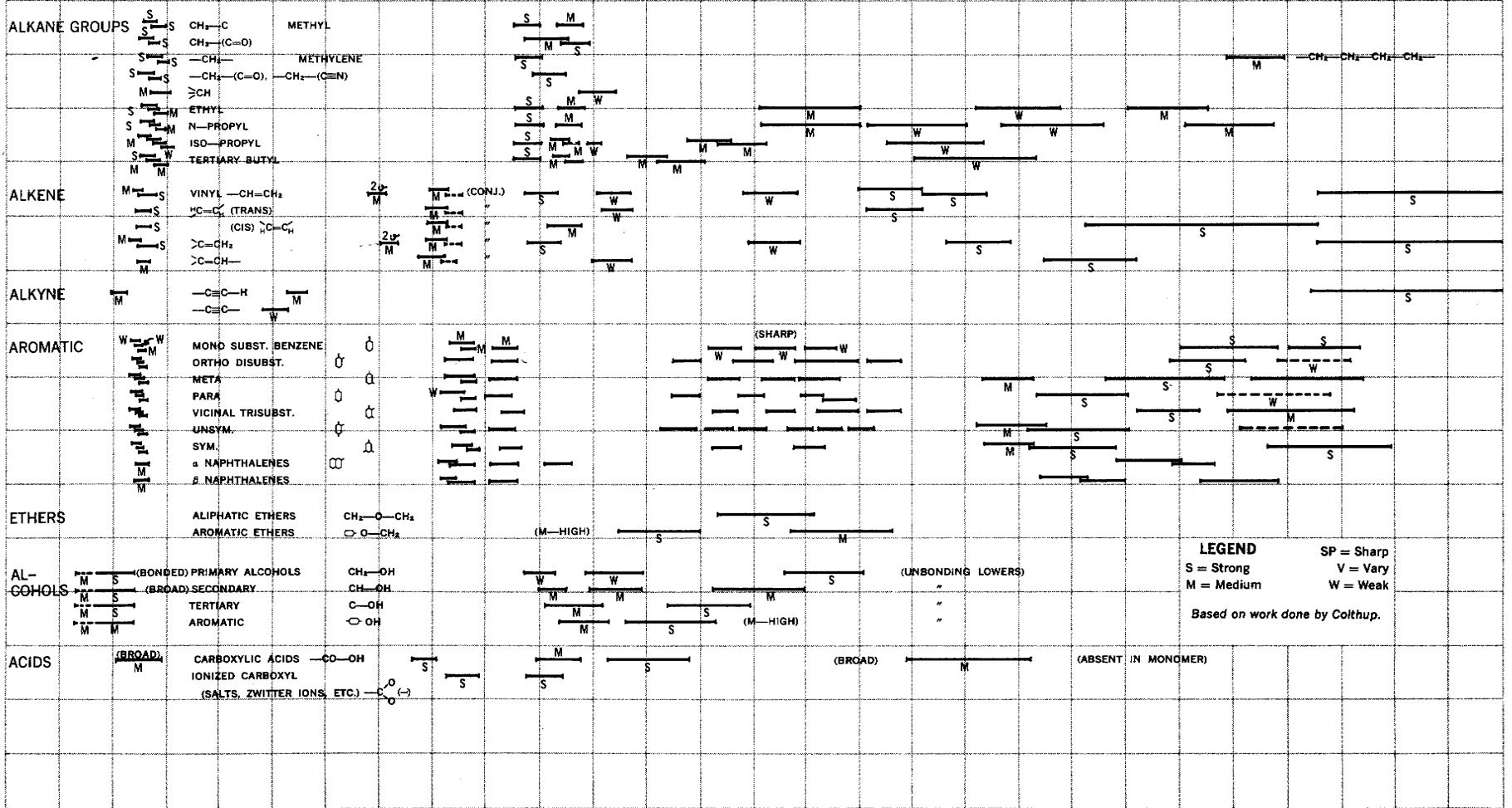


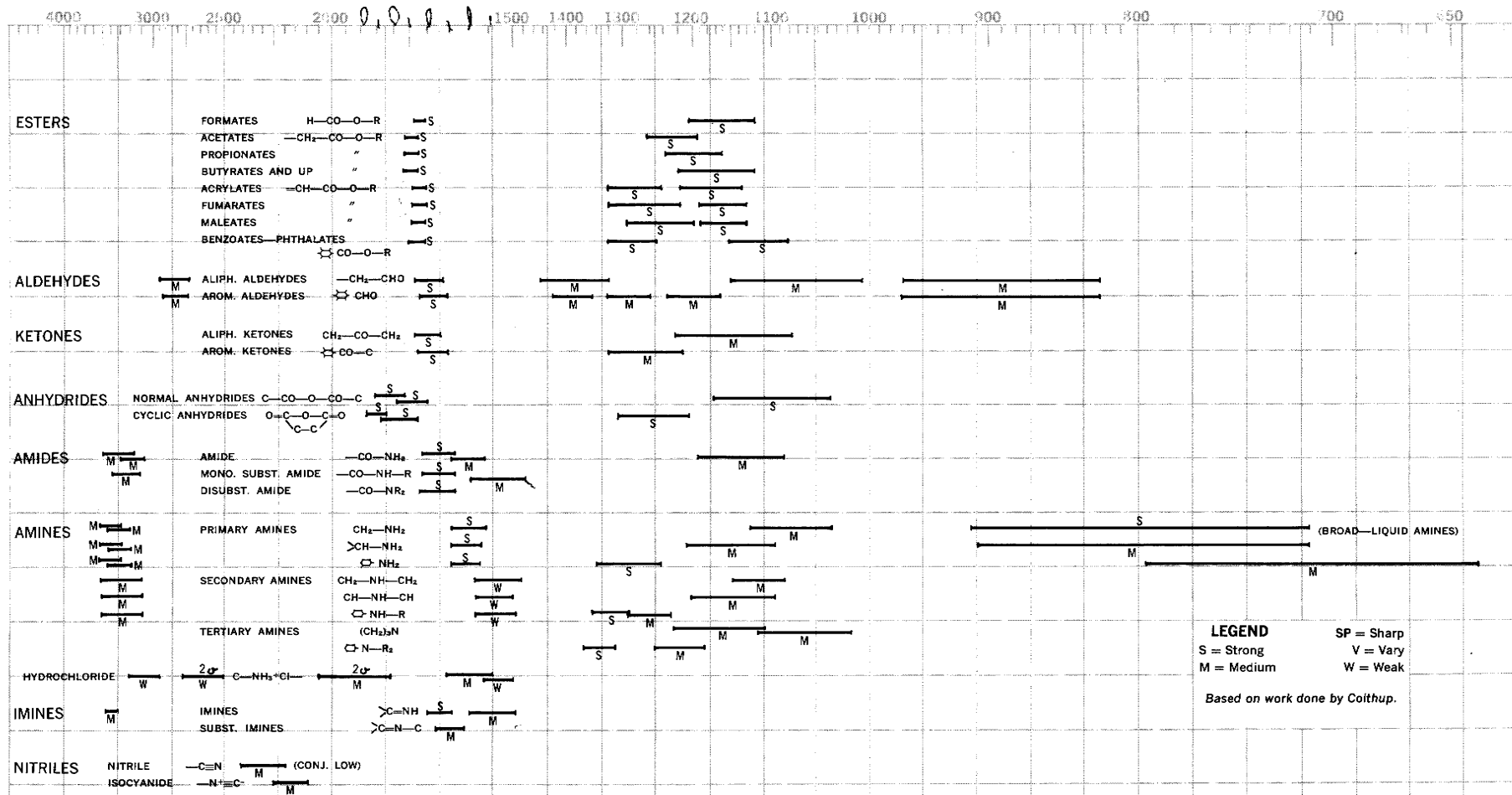
4000 3000 2500 2000 1500 1400 1300 1200 1100 1000 900 800 700 650



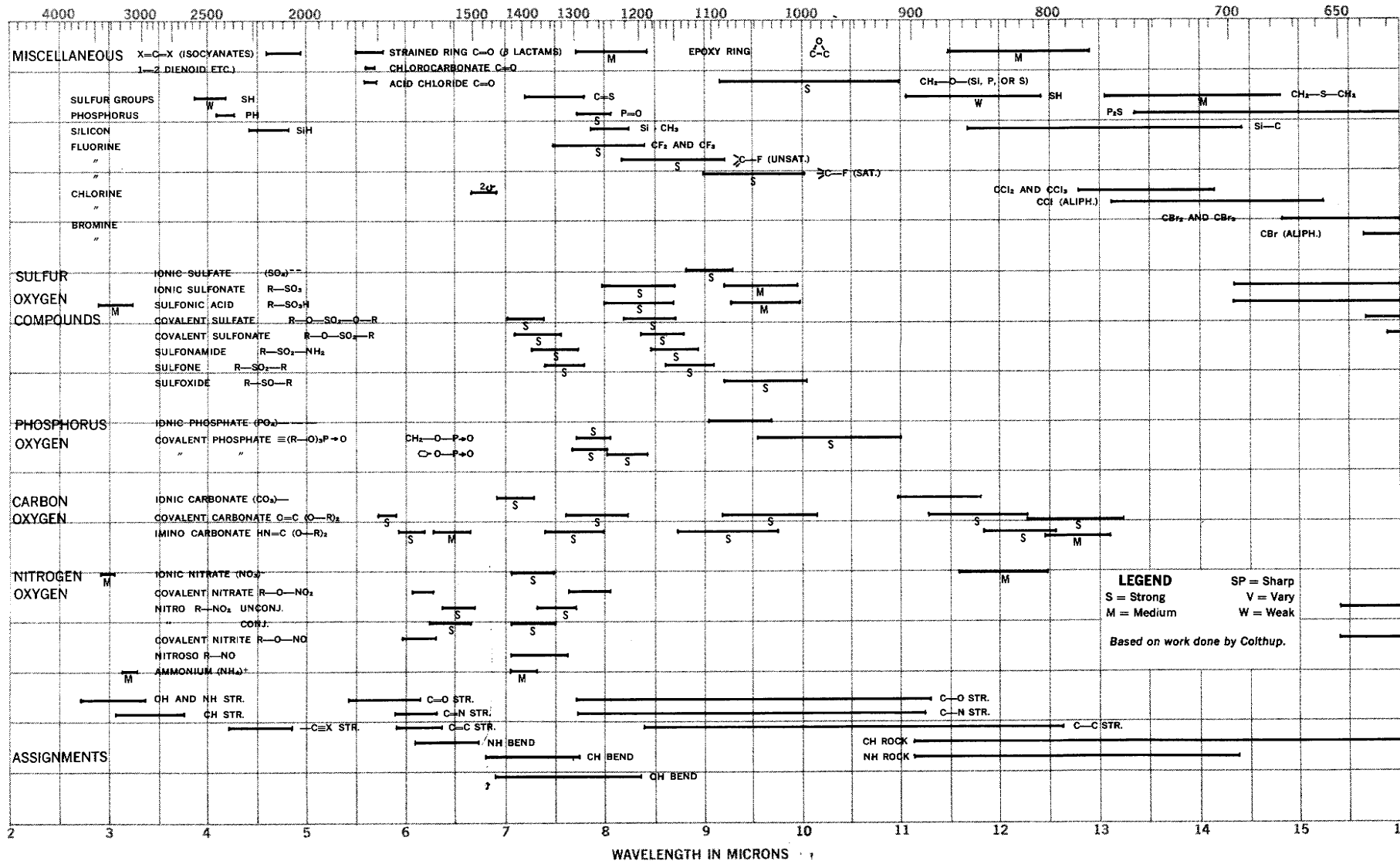
WAVELENGTH IN MICRONS

# INFRARED CORRELATION CHART No. 1 (Con't.)

WAV. NUMBERS IN KAYSERS



WAVENUMBERS IN KAYSERS



443

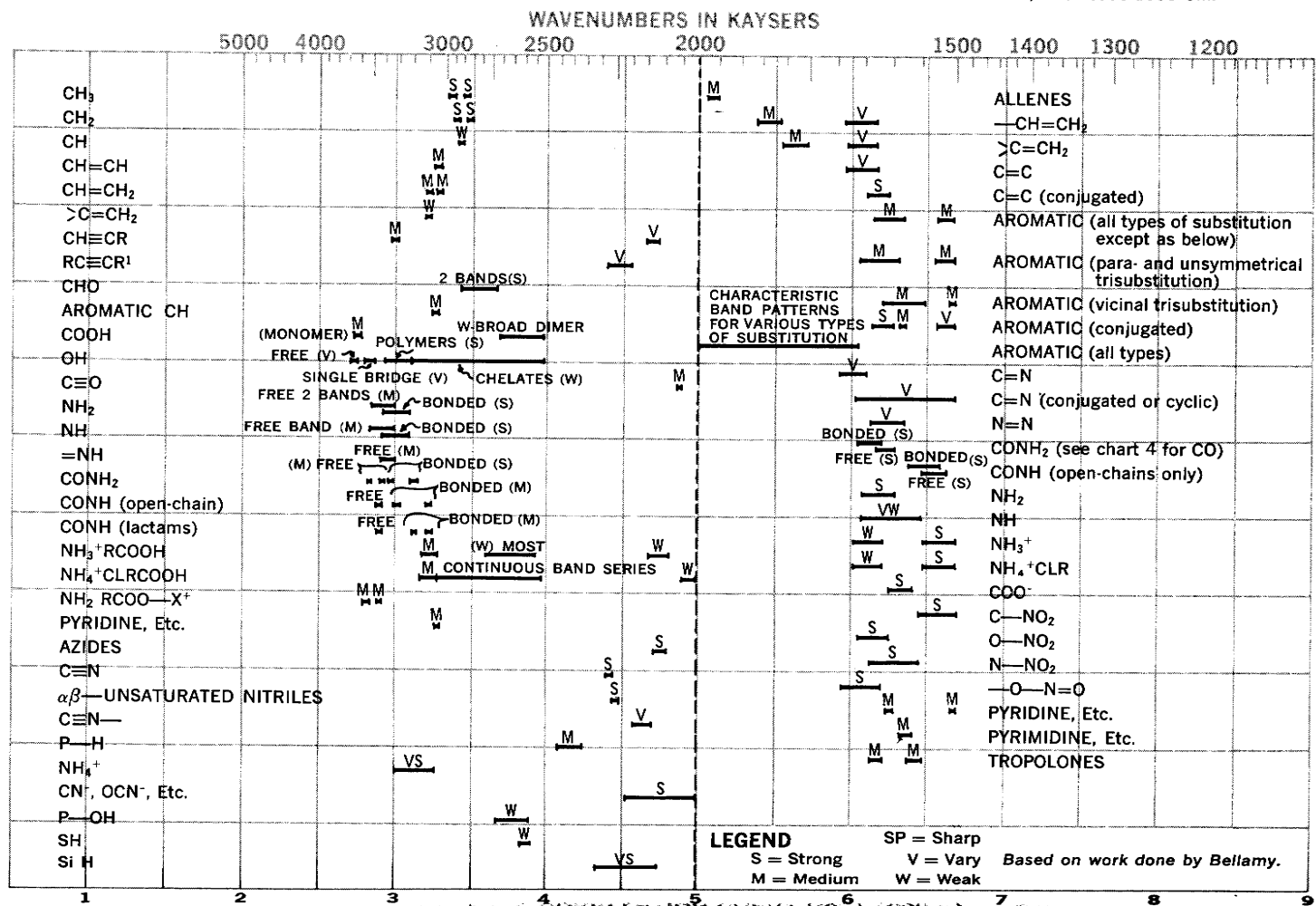
# INFRARED CORRELATION CHART No. 2

Prepared from information supplied by Beckman Instruments

This chart presents some information regarding structure,  
double-bond vibrations, hydrogen stretching and triple-bond  
vibrations.

HYDROGEN STRETCHING AND TRIPLE-BOND VIBRATIONS, 3750-2000 CM.<sup>-1</sup>

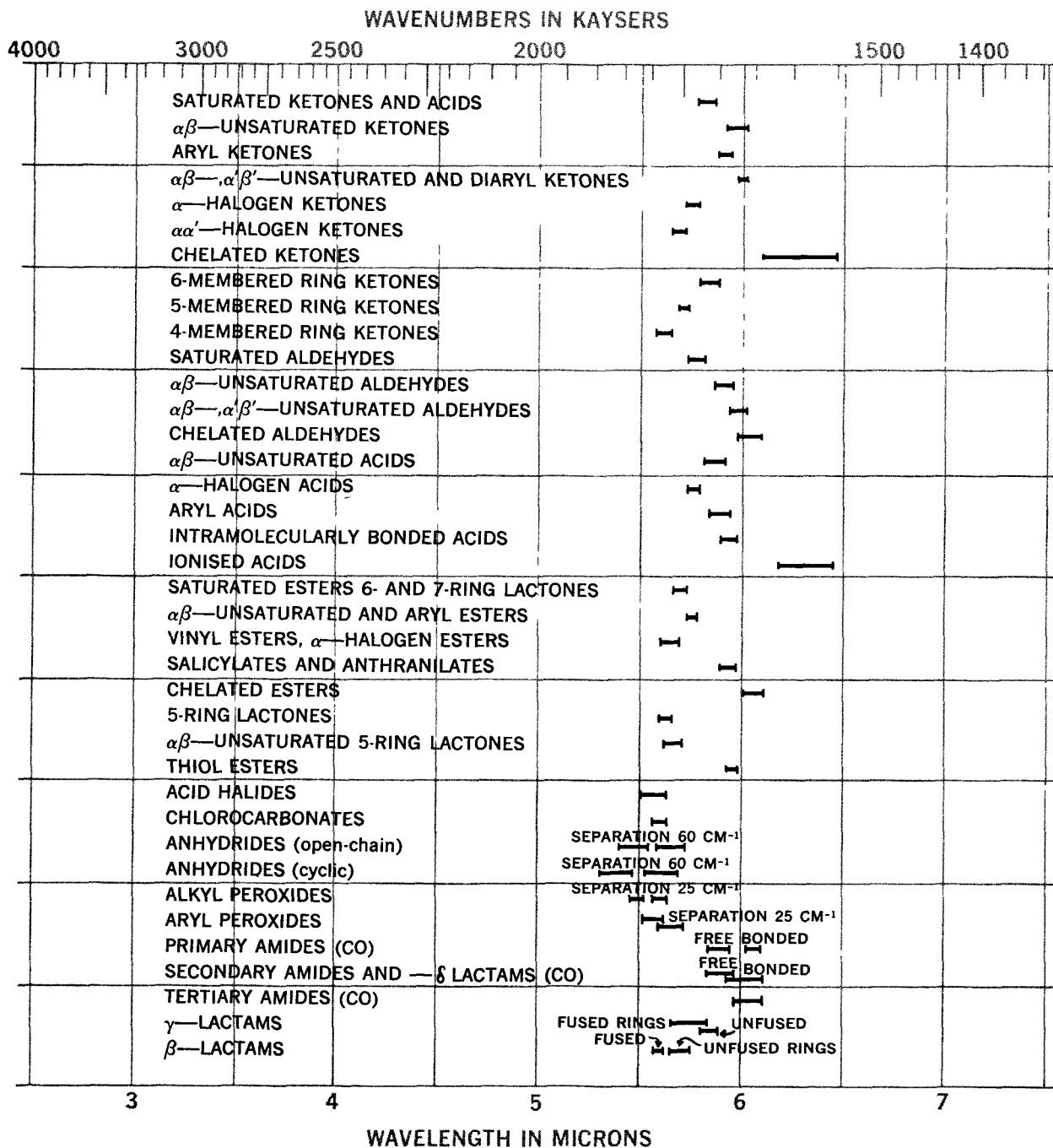
DOUBLE-BOND VIBRATIONS, ETC. 2000-1500 CM.<sup>-1</sup>



### INFRARED CORRELATION CHART No. 3

Prepared from information supplied by Beckman Instruments

This chart presents some correlations between structure and the carbonyl vibrations of some classes of organic compounds. In all cases the absorption bands are strong and fall within the range of 1900-1500  $\text{cm}^{-1}$ .

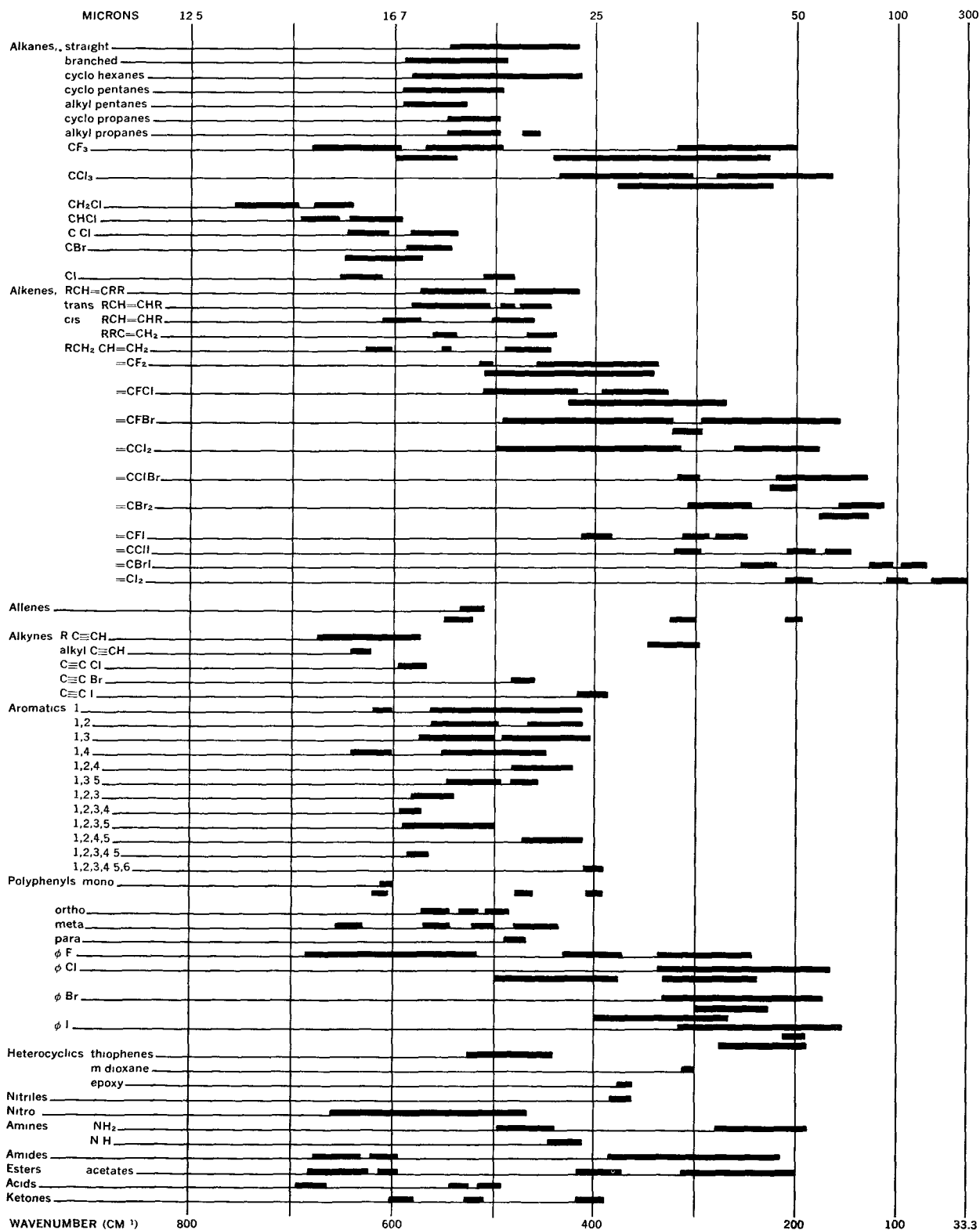






## FAR INFRARED VIBRATIONAL FREQUENCY CORRELATION CHART

Based on evidence compiled by James E. Stewart of Beckman Instruments.  
This chart shows the vibrational frequency correlation in the far infrared region.  
Because research is continuing in the far infrared region, this chart is not all-inclusive.





# FAR INFRARED VIBRATIONAL FREQUENCY CORRELATION CHART (Con't.)

