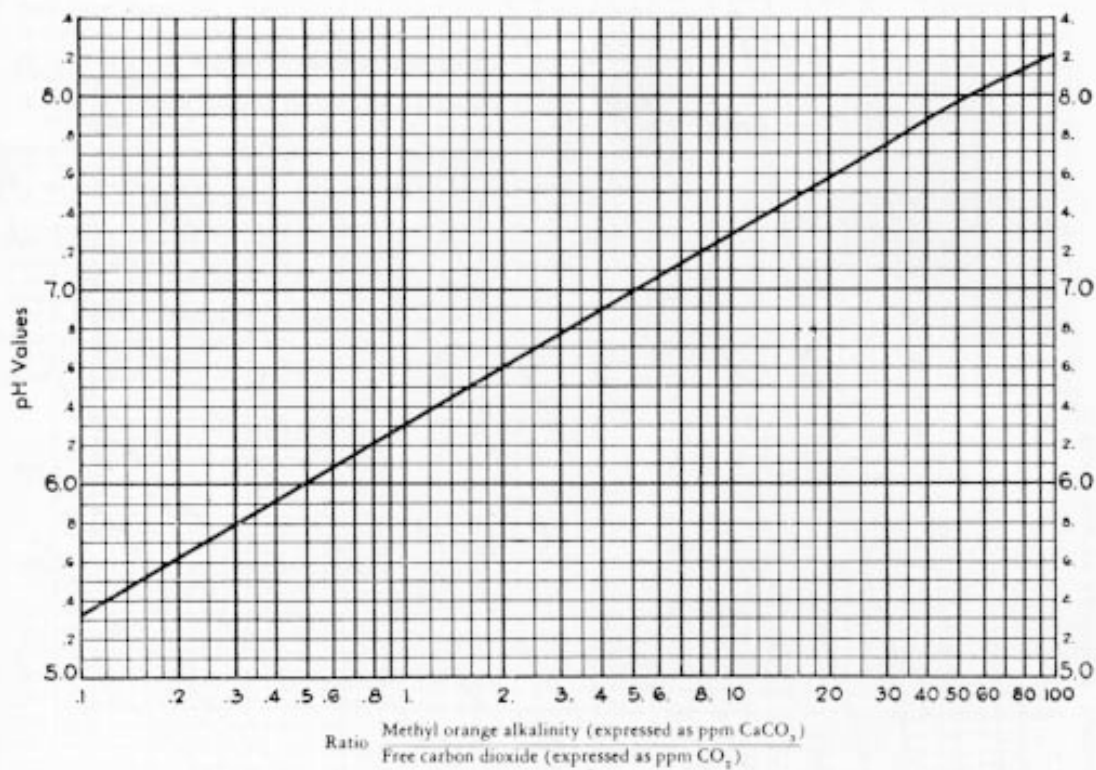
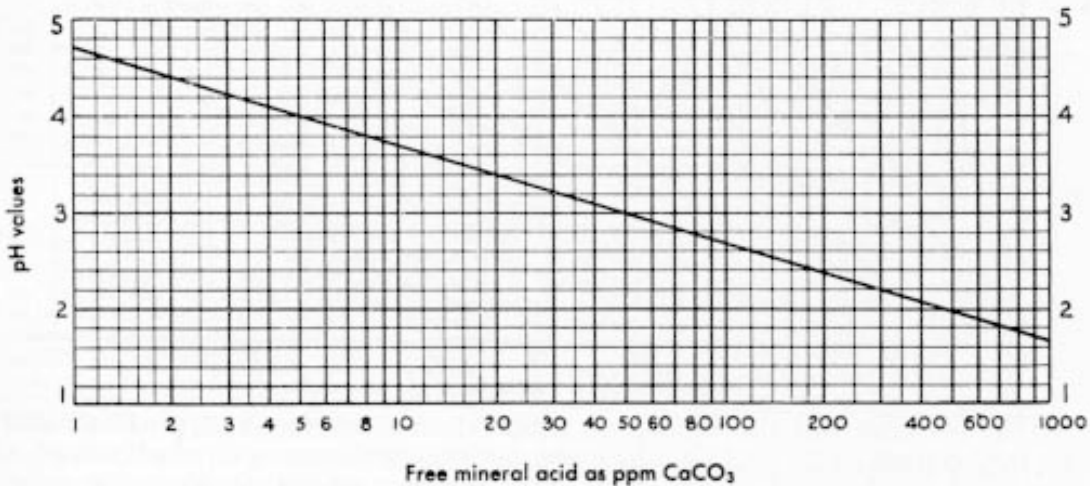


SECTION 72. EFFECT OF BICARBONATE ALKALINITY AND CO<sub>2</sub> ON pH

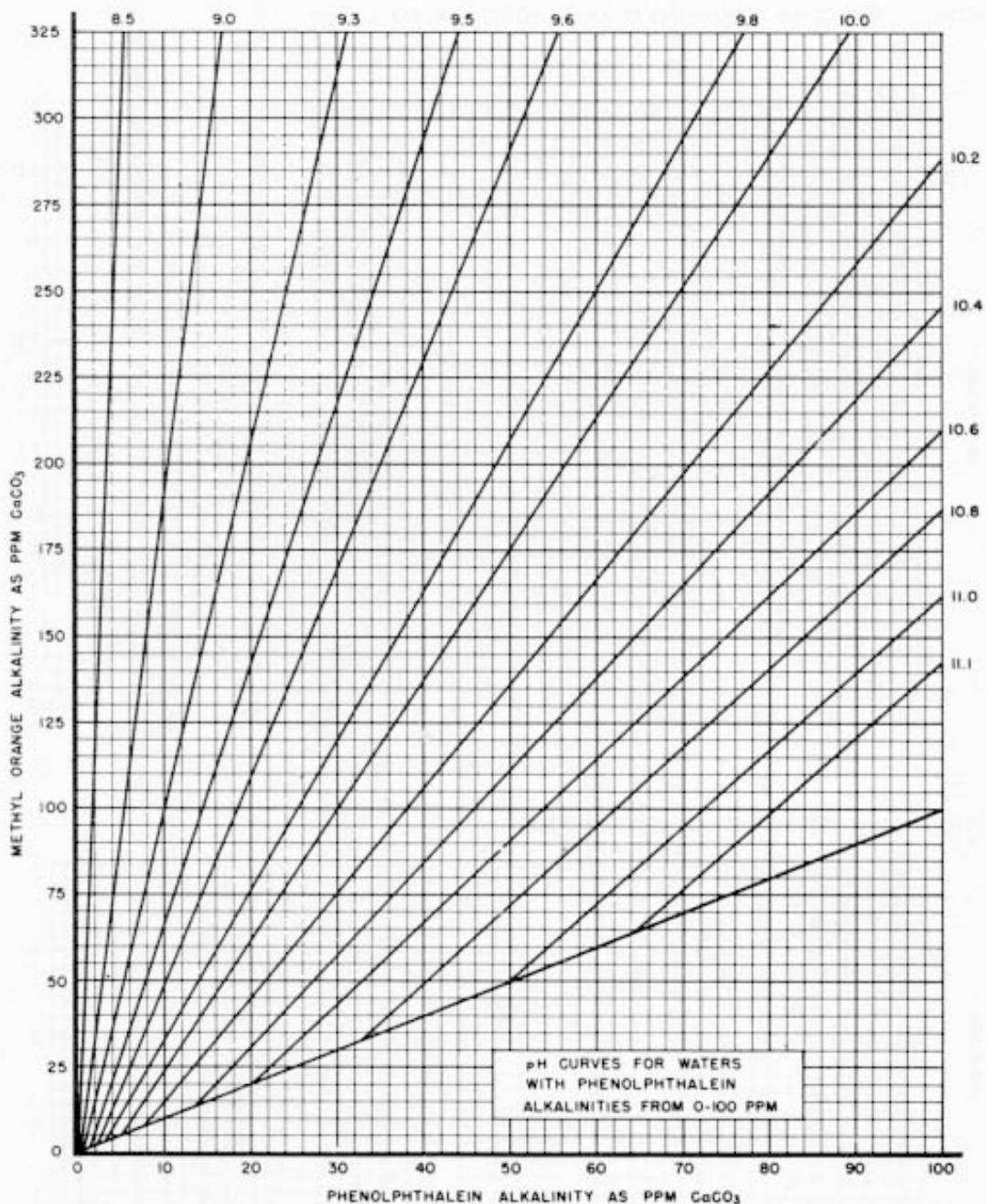


SECTION 73. EFFECT OF MINERAL ACIDITY ON pH



\* Data from Permutit Handbook

SECTION 74. EFFECT OF CARBONATE AND BICARBONATE ALKALINITY ON pH



NOTE: pH value will also depend on temperature of water. Chart above is based on temperature of 20 to 25°C. As water temperature decreases, the pH value for any given combination of alkalinity forms will increase slightly above the value indicated on the chart. For example, at 5°C, actual pH will be about 0.2 units higher in 8.5 to 9.0 pH range; about 0.3 units higher in 9.0 to 10.0 pH range; and above pH 10 actual pH will be 0.4 to 0.6 pH units higher than indicated by chart.

\* Data from Permutit Handbook