

12 "Chemical Engineering Thermodynamics," by B. F. Dodge, McGraw-Hill Book Company, Inc., New York, N. Y., 1944.

13 "The Computation of the Thermodynamic Properties of Real Gases and Mixtures of Real Gases," by J. A. Beattie, *Chemical Reviews*, vol. 44, 1949, pp. 141-192.

14 "The Empirical Calculation of the Fugacities in Gaseous Mixtures. II. Its Relation to the Tangents on Certain Thermodynamic Diagrams. Approximate Equations for Some Important Thermodynamic Properties of Gas Mixtures," by L. J. Gillespie, *Physical Review*, vol. 34, 1929, pp. 1605-1614.

15 "Catalytic Vapor-Phase Hydration of Ethylene," by F. J. Sanders and B. F. Dodge, *Industrial and Engineering Chemistry*, vol. 26, 1934, p. 208.

16 "Vapor-Phase Hydration of Ethylene," by R. H. Bliss and B. F. Dodge, *Industrial and Engineering Chemistry*, vol. 29, 1937, p. 19.

17 Publication No. 222/92 of the Institution of Gas Engineers, Sartori and Newitt, London, England, 1952.

18 "Solubility of Carbon Dioxide in Benzene at Elevated Pressure," by S. W. Wan and B. F. Dodge, *Industrial and Engineering Chemistry*, vol. 32, 1940, p. 95.

19 "The System Benzene-Nitrogen," by Philip Miller and B. F. Dodge, *Industrial and Engineering Chemistry*, vol. 32, 1940, p. 434.

20 Dissertation presented to Faculty of the Yale School of Engineering, by E. Groth, 1941.

21 "Phase Equilibria at High Pressures," The System: Nitrogen-Ammonia at Pressures Above 1000 Atm, by A. E. Lindroos and B. F. Dodge, *Chemical Engineering Progress*, Symposium Series No. 3, vol. 48, 1952, pp. 10-17.

22 "Over de afwezigheid van of wijziging in de kritische verschijnenselen voor een mengsel, ten gevolge van het bestaan der lengteplooi op het ψ -vlak bij hogere temperaturen," by J. D. van der Waals, Verslagen der Zittingen van de Wis- en Natuurkundige Afdeling der Koninklijke Akademie van Wetenschappen, Amsterdam, Holland, 1894-1895, pp. 133-137.

23 "Contributions to the Knowledge of the ψ -surface of Van der Waals. XV. The case that one component is a gas without cohesion with molecules that have extension. Limited miscibility of two gases," H. Kamerlingh Onnes and W. H. Keesom, Proceedings of the Koninklijke Akademie van Wetenschappen, Amsterdam, Holland, vol. 9, 1906, pp. 786-798, vol. 10, 1907, pp. 231-237.

24 "Heterogeneous Equilibria in the Ammonia-Nitrogen System at High Pressures," by I. R. Krichevsky and P. Bolshakov, *Acta Physicochim*, USSR, vol. 14, 1941, pp. 353-364.

25 "A Gas That Sinks in a Liquid," by H. Kamerlingh Onnes, Proceedings of the Koninklijke Akademie van Wetenschappen, Amsterdam, Holland, vol. 9, 1906, pp. 459-460.

ADDITIONAL REFERENCES

In addition to the foregoing the following papers on high pressure and related subjects from the Chemical Engineering Department, Yale University, are cited:

"Decomposition of Methanol Over Catalysts Composed of Oxides of Zinc and Chromium," by J. R. Huffman and B. F. Dodge, *Industrial and Engineering Chemistry*, vol. 21, 1929, p. 1056.

"Note on the Methanol Equilibrium," by B. F. Dodge, *Industrial and Engineering Chemistry*, vol. 22, 1930, p. 89.

"The Methanol Equilibrium," by E. F. von Wettberg, Jr., and B. F. Dodge, *Industrial and Engineering Chemistry*, vol. 22, 1930, p. 1040.

"Designing Equipment for High Pressures," by B. F. Dodge, *Chemical and Metallurgical Engineering*, vol. 38, 1931, pp. 241-243.

"Physico-Chemical Factors in High-Pressure Design," by B. F. Dodge, *Industrial and Engineering Chemistry*, vol. 24, 1932, p. 1353.

"The Equilibrium Between Carbon Monoxide, Hydrogen, Formaldehyde and Methanol," I. The Reactions $\text{CO} + \text{H}_2 = \text{HCOH}$ and $\text{H}_2 + \text{HCOH} = \text{CH}_2\text{OH}$, by R. H. Newton and B. F. Dodge, *Journal of the American Chemical Society*, vol. 55, 1933, p. 4747.

"The Equilibrium Between Carbon Monoxide, Hydrogen, Formaldehyde and Methanol," II. The Reaction $\text{CO} + 2\text{H}_2 = \text{CH}_2\text{OH}$, by R. H. Newton and B. F. Dodge, *Journal of the American Chemical Society*, vol. 56, 1934, p. 1287.

"Zinc Oxide—Chromium Oxide Catalysts for Methanol Synthesis," by M. C. Molstad and B. F. Dodge, *Industrial and Engineering Chemistry*, vol. 27, 1935, p. 134.

"Calculation of Pressure Effect on Liquid-Vapor Equilibrium in Binary Systems," by R. H. Newton and B. F. Dodge, *Industrial and Engineering Chemistry*, vol. 29, 1937, p. 718.

"Compressibilities of Nitrogen-Carbon Dioxide Mixtures," by R. E. D. Haney and Harding Bliss, *Industrial and Engineering Chemistry*, vol. 36, 1944, pp. 985-987.

"The P-V-T-X Relationships for the System: Methane-Isopentane," by E. H. Amick, W. B. Johnson, and B. F. Dodge, *Chemical Engineering Progress*, Symposium Series No. 3, vol. 48, 1952, pp. 65-71.

"The P-V-T-X Relations of the Toluene-n-Hexane System," by L. M. Watson and B. F. Dodge, *Chemical Engineering Progress*, Symposium Series No. 3, vol. 48, 1952, pp. 73-81.