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REFERENCES

- (a) Wise, W. R., Jr., "An Investigation of Strain-Energy Absorption Potential as the Criterion for Determining Optimum Reactor-Vessel Containment Design," NAVORD 5748, 30 June 1958, Unclassified
- (b) Fraenkel, G. K., "Apparatus for the Measurement of Air Blast Pressures by Means of Piezoelectric Gauges," NRDC Report No. A-373, March 1956, Unclassified
- (c) Milne-Thompson, L. M., "Theoretical Hydrodynamics," New York, The Macmillan Co., 1960
- (d) Watson, G. N., "A Treatise on the Theory of Bessel Functions," New York, The Macmillan Co., 1945
- (e) Staff, Harvard University Computation Laboratory, "Tables of the Bessel Functions of the First Kind of Orders Zero and One," Cambridge, Harvard University Press, 1947
- (f) Miner, D. F., and Seastone, J. B., "Handbook of Engineering Materials," New York, John Wiley and Sons, Inc., 1955
- (g) Hersey, M. D., and Hopkins, R. F., "Viscosity of Lubricants Under Pressure," New York, The American Society of Mechanical Engineers, 1954
- (h) Staff, Ipsen Industries, Inc., "High Temperature Carburizing, Metal Treating, Jan-Feb, 1959.