

- 1970, in *Fifth Symposium on Detonation*, Office of Naval Research Report ACR-184 (U. S. Government Printing Office), p. 403.
- Jamieson, J. C., 1963a, *Science* **139**, 762.
- Jamieson, J. C., 1963b, in *High Pressure Measurement*, edited by A. A. Giardini and E. C. Lloyd (Butterworths, Washington, D. C.), p. 165.
- Jamieson, J. C., and A. W. Lawson, 1962, *J. Appl. Phys.* **33**, 776.
- Jamieson, J. C., and B. Olinger, 1971, in *Accurate Characterization of the High Pressure Environment*, edited by E. C. Lloyd, National Bureau of Standards Special Publication 326, p. 321.
- Johnson, J. N., 1972, Sandia Laboratories Report SC-RR-72 0626, September.
- Johnson, J. N., D. B. Hayes, and J. R. Asay, 1974, *J. Phys. Chem. Solids* **35**, 501.
- Johnson, P. C., B. A. Stein, and R. S. Davis, 1962, *J. Appl. Phys.* **33**, 557.
- Johnson, Q., 1966, *Science* **153**, 419.
- Johnson, Q., A. Mitchell, R. N. Keller, and L. Evans, 1970, *Phys. Rev. Lett.* **25**, 1099.
- Johnson, Q., A. Mitchell, and L. Evans, 1971, *Nature (Lond.)* **231**, 310.
- Johnson, Q., A. Mitchell, and L. Evans, 1972, *Appl. Phys. Lett.* **21**, 29.
- Johnson, Q., and A. Mitchell, 1972, *Phys. Rev. Lett.* **29**, 1369.
- Jones, A. H., 1975, Terra Tek, Inc., Salt Lake City, private communication.
- Jones, A. H., W. M. Isbell, and C. J. Maiden, 1966, *J. Appl. Phys.* **37**, 3493.
- Jones, O. E., and R. A. Graham, 1971, in *Accurate Characterization of the High Pressure Environment*, edited by E. C. Lloyd, National Bureau of Standards Special Publication 326, p. 229.
- Kabalkina, S. S., and Z. V. Troitskaya, 1964, *Sov. Phys.—Dokl.* **8**, 800.
- Kabalkina, S. S., T. N. Kolobyanina, and L. F. Vereshchagin, 1970, *Sov. Phys.—JETP* **31**, 259.
- Kamegai, M., 1975, *J. Appl. Phys.* **46**, 1618.
- Kasper, J. S., and H. Brandhorst, 1964, *J. Chem. Phys.* **41**, 3768.
- Kasper, J. S., and S. M. Richards, 1964, *Acta Crystallogr.* **17**, 752.
- Katz, S., 1955, *Phys. Rev.* **100**, 1800.
- Katz, S., D. G. Doran, and D. R. Curran, 1959, *J. Appl. Phys.* **30**, 568.
- Kaufman, L., 1961, in *Response of Metals to High Velocity Deformation*, edited by P. G. Shewman and V. F. Zackay (Interscience, New York), p. 300.
- Kaufman, L., 1969, in *Progress in Materials Science Vol. 14*, edited by O. Kubaschewski and W. Slough (Pergamon, Oxford), p. 55.
- Kaufman, L., and H. Bernstein, 1970, *Computer Calculations of Phase Diagrams* (Academic, New York).
- Keeler, R. N., and A. C. Mitchell, 1969, *Solid State Commun.* **7**, 271.
- Kennedy, G. C., and R. C. Newton, 1961, *J. Geophys. Res.* **66**, 1491.
- Kennedy, G. C., and R. C. Newton, 1963, in *Solids Under Pressure*, edited by W. Paul and D. M. Warschauer (McGraw-Hill, New York), p. 163.
- Kennedy, J. D., and W. B. Benedict, 1965, *Bull. Am. Phys. Soc.* **10**, 1112.
- Kennedy, J. D., and W. B. Benedict, 1966, *J. Phys. Chem. Solids* **27**, 125.
- Keough, D. D., and J. Y. Wong, 1970, *J. Appl. Phys.* **41**, 3508.
- Khriforov, B. D., E. E. Goller, Y. Sidorin, and L. D. Livshits, 1971, *Combust. Explos. Shock Waves* **4**, 525.
- Kirkinsky, V. A., 1968, in *Behavior of Dense Media Under High Dynamic Pressures* (Gordon and Breach, New York), p. 367.
- Klement, W., Jr., A. Jayaraman, and G. C. Kennedy, 1963, *Phys. Rev.* **131**, 632.
- Klement, W., Jr., and A. Jayaraman, 1967, in *Progress in Solid State Chemistry, Vol. 3*, edited by H. Reiss (Pergamon, New York), p. 289.
- Kondo, K., A. Sawaoka, and S. Saito, 1975, in *Proceedings of the Fourth International Conference on High Pressure, Kyoto, 1974*, edited by J. Osugi (The Physico-Chemical Society of Japan, Kyoto), p. 845.
- Kondorsky, E. I., and V. L. Sedov, 1960, *J. Appl. Phys. Suppl.* **31**, 331S.
- Kormer, S. B., 1968, *Sov. Phys. Uspeki* **11**, 229.
- Kormer, S. B., M. V. Sinitsyn, A. I. Funtikov, V. D. Urlin, and A. V. Blinov, 1965a, *Sov. Phys.—JETP* **20**, 811.
- Kormer, S. B., M. V. Sinitsyn, G. A. Kirillov, and V. D. Urlin, 1965b, *Sov. Phys.—JETP* **21**, 689.
- Kormer, S. B., K. B. Yushko, and G. V. Kirshkevich, 1966, *JETP Lett.* **3**, 39.
- Kormer, S. B., K. B. Yushko, and G. V. Kirshkevich, 1968, *Sov. Phys.—JETP* **27**, 879.
- Kouvel, J. S., 1963, in *Solids Under Pressure*, edited by W. Paul and D. M. Warschauer (McGraw-Hill, New York), p. 277.
- Kouvel, J. S., and R. H. Wilson, 1961, *J. Appl. Phys.* **32**, 435.
- Krupnikov, K. K., A. A. Bakanova, M. I. Brazhnik, and R. F. Trunin, 1963, *Sov. Phys.—Dokl.* **8**, 205.
- Kuleshova, L. V., 1969, *Sov. Phys.—Solid State* **11**, 886.
- Larson, D. B., 1965, in *Physics of Solids at High Pressures*, edited by C. T. Tomizuka and R. M. Emrick (Academic, New York), p. 459.
- Larson, D. B., 1967, *J. Appl. Phys.* **38**, 1541.
- Larson, D. B., R. N. Keeler, A. Kusubov, and B. L. Hord, 1966, *J. Phys. Chem. Solids* **27**, 476.
- Leger, J. M., C. Susse, and B. Vodar, 1971, in *Accurate Characterization of the High-Pressure Environment*, edited by E. C. Lloyd, National Bureau of Standards Special Publication 326, p. 251.
- Lethaby, J. W., and I. C. Skidmore, 1959, S. W. A. Branch Note No. 3, AWRE (England).
- Leiserowitz, L., G. M. J. Schmidt, and A. Shamgar, 1966, *J. Phys. Chem. Solids* **27**, 1453.
- Linde, R. K., and D. N. Schmidt, 1966, *Rev. Sci. Instrum.* **37**, 1.
- Linde, R. K., and P. S. DeCarli, 1969, *J. Chem. Phys.* **50**, 319.
- Lipschutz, M. E., 1964, *Science* **143**, 1431.
- Lipschutz, M. E., 1968, in *Shock Metamorphism of Natural Materials*, edited by B. M. French and N. M. Short (Mono Book Corp., Baltimore), p. 571.
- Liu, C. Y., K. Ishizaki, J. Paaewe, and I. L. Spain, 1973, *High Temp.-High Pressures* **5**, 359.
- Loree, T. R., C. M. Fowler, E. G. Zukas, and F. S. Minshall, 1966a, *J. Appl. Phys.* **37**, 1918.
- Loree, T. R., R. H. Warnes, E. G. Zukas, and C. M. Fowler, 1966b, *Science* **153**, 1277.
- Los Alamos, Group GMX-6, 1969, Los Alamos Scientific Laboratory Report LA-4167-MS, "Selected Hugoniot." Lubkin, G. B., 1976, "Search and Discovery News" note, *Phys. Today* **26**, No. 3, 17.
- Lysne, P. C., 1971, *J. Chem. Phys.* **55**, 5242.
- Lysne, P. C., 1975, *J. Appl. Phys.* **46**, 4078.
- Lysne, P. C., 1977, *J. Appl. Phys.* **48**, 1020.
- Lysne, P. C., and L. C. Bartel, 1975, *J. Appl. Phys.* **46**, 222.
- Mao, H. K., W. A. Bassett, and T. Takahashi, 1967, *J. Appl. Phys.* **38**, 272.
- McDonald, T. T., E. Gregory, G. S. Barberich, D. B. McWhan, T. H. Geballe, and G. W. Hull, Jr., 1965, *Phys. Lett.* **14**, 16.
- McQueen, R. G., 1964, in *Metallurgy at High Pressures and High Temperatures*, edited by K. Gschneider, Jr., M. T.

- Hepworth and N. A. D. Parlee (Gordon and Breach, New York), p. 44.
- McQueen, R. G., W. J. Carter, J. N. Fritz, and S. P. Marsh, 1971, in *Accurate Characterization of the High Pressure Environment*, edited by E. C. Lloyd, National Bureau of Standards Special Publication 326, U. S. Government Printing Office, p. 219.
- McQueen, R. G., and S. P. Marsh, 1960, *J. Appl. Phys.* **31**, 1253.
- McQueen, R. G., J. N. Fritz, and S. P. Marsh, 1963, *J. Geophys. Res.* **68**, 2319.
- McQueen, R. G., J. C. Jamieson, and S. P. Marsh, 1967, *Science* **155**, 1401.
- McQueen, R. G., and S. P. Marsh, 1968, in *Behavior of Dense Media Under High Dynamic Pressures* (Gordon and Breach, New York), p. 207.
- McQueen, R. G., S. P. Marsh, J. W. Taylor, J. N. Fritz, and W. J. Carter, 1970, in *High Velocity Impact Phenomena*, edited by R. Kinslow (Academic, New York), p. 293.
- McMahan, A. K., M. Ross, and R. Grover, 1975, *Bull. Am. Phys. Soc.* **20**, 1514.
- McWhan, D. B., 1967, *J. Appl. Phys.* **38**, 347.
- Millet, L. E., and D. L. Decker, 1969, *Phys. Lett. A* **29**, 7.
- Mineev, V. N., and E. V. Savinov, 1967, *Sov. Phys.—JETP* **25**, 411.
- Mineev, V. N., A. G. Ivanov, V. V. Lisitsyn, E. Z. Novitskii, and Y. N. Tyunyaev, 1971, *Sov. Phys.—JETP* **32**, 592.
- Minomura, S., and H. G. Drickamer, 1962, *J. Phys. Chem. Solids* **23**, 451.
- Minshall, S., 1955a, *Phys. Rev.* **98**, 271.
- Minshall, S., 1955b, *J. Appl. Phys.* **26**, 463.
- Minshall, S., 1961, in *Response of Metals to High Velocity Deformation*, edited by P. G. Shewmon and V. F. Zackay (Interscience, New York), p. 249.
- Mitchell, A. C., Q. Johnson, and L. Evans, 1973a, *Rev. Sci. Instrum.* **44**, 597.
- Mitchell, A. C., Q. Johnson, and L. Evans, 1973b, in *Advances in X-Ray Analysis Vol. 16*, edited by L. S. Birks, C. S. Barrett, J. B. Newkirk, and C. O. Ruud (Plenum, New York), p. 242.
- Neilson, F. W., W. B. Benedick, W. P. Brooks, R. A. Graham, and G. W. Anderson, 1962, in *Les Ondes de Detonation* (Centre National de la Recherche Scientifique, 15, Quai Anatole-France, Paris), p. 391.
- Novikov, I., I. Divnov, and A. G. Ivanov, 1965, *Sov. Phys.—JETP* **20**, 545.
- Novikov, V. V., and V. N. Mineev, 1974, *Sov. Phys.—JETP* **4**, 717.
- O'Brien, J. L., and R. S. Davis, 1961, in *Response of Metals to High Velocity Deformation*, edited by P. G. Shewman and V. F. Zackay (Interscience, New York), p. 371.
- Otto, G., O. Y. Reece, and U. Roy, 1971, *Appl. Phys. Lett.* **18**, 418.
- Panova, G. K., S. S. Sekoyan, and L. F. Vereshchagin, 1961, *Phys. Met. Metallogr.* **11**, No. 2, 61.
- Parsons, C. A., 1920, *Philos. Trans. R. Soc. Lond.* **A220**, 67.
- Paterson, M. S., 1973, *Rev. Geophys. and Space Phys.* **11**, 355.
- Pavlovskii, M. N., 1968, *Sov. Phys.—Solid State* **9**, 2514.
- Pavlovskii, M. N., 1971, *Sov. Phys.—Solid State* **13**, 741.
- Pavlovskii, M. N., and V. P. Drakin, 1966, *Sov. Phys.—JETP* **4**, 116.
- Peyre, C., J. Pujol, and J. Thouvenin, 1965, in *Fourth Symposium on Detonation*, edited by S. Jacobs, Office of Naval Research ACR-126, 566.
- Pipkorn, D. N., C. K. Edge, P. Debrunner, G. De Pasquali, H. G. Drickamer, and H. Frauenfelder, 1964, *Phys. Rev.* **135**, A1604.
- Pistorius, C. W. F. T., 1964, *J. Phys. Chem. Solids* **25**, 1477.
- Podurets, A. M., and R. F. Trunin, 1971, *Sov. Phys.—Dokl.* **15**, 1117.
- Podurets, A. M., and R. F. Trunin, 1974, *Bull. Acad. Sci. USSR, Physics of the Solid Earth* No. 7, p. 427.
- Pope, L. E., and L. R. Edwards, 1973, *Acta Metall.* **21**, 281.
- Pope, L. E., and W. E. Warren, 1974, *Acta Metall.* **22**, 751.
- Pope, L. E., and J. N. Johnson, 1975, *J. Appl. Phys.* **46**, 720.
- Pospelov, Yu. A., and N. N. Kuzin, 1966, *Sov. Phys.—Solid State* **8**, 134.
- Primak, W., 1975, *The Compacted States of Vitreous Silica* (Gordon and Breach, New York), p. 81.
- Pujols, H., and F. Boisard, 1970, *Carbon* **8**, 781.
- Reynolds, C. E., and G. E. Seay, 1961, *J. Appl. Phys.* **32**, 1401.
- Reynolds, C. E., and G. E. Seay, 1962, *J. Appl. Phys.* **33**, 2234.
- Riabinin, I. N., 1956, *Sov. Phys.—Tech. Phys.* **1**, 2575.
- Rice, M. H., 1961, *Rev. Sci. Instrum.* **32**, 449.
- Rice, M. H., and J. M. Walsh, 1957, *J. Chem. Phys.* **26**, 824.
- Rice, M. H., R. G. McQueen, and J. M. Walsh, 1958, in *Solid State Physics Vol. VI*, edited by F. Seitz and D. Turnbull (Academic, New York), p. 1.
- Rinehart, J. S., and J. Pearson, 1954, *Behavior of Metals Under Impulsive Loads* (American Society of Metals, Cleveland).
- Ritter, J. R., Jr., 1973, *J. Chem. Phys.* **59**, 1538.
- Robin, P. Y. F., 1974, *Am. Mineral.* **59**, 1286.
- Rohde, R. W., 1970, *Acta Metall.* **18**, 903.
- Rohde, R. W., J. R. Holland, and R. A. Graham, 1968, *Trans. Metall. Soc. AIME (Am. Inst. Min. Metall. Pet. Eng.)* **242**, 2017.
- Rohde, R. W., and R. A. Graham, 1969, *Trans. Metall. Soc. AIME (Am. Inst. Min. Metall. Pet. Eng.)* **245**, 2441.
- Rohde, R. W., and C. E. Albright, 1971, *Scr. Metall.* **5**, 151.
- Rohde, R. W., and R. A. Graham, 1973, *Phil. Mag.* **28**, 941.
- Romain, J. P., 1974, *J. Appl. Phys.* **45**, 135.
- Rooymans, C. J. M., 1969, in *Advances in High Pressure Research*, Vol. 2, edited by R. S. Bradley (Academic, New York), p. 1.
- Ross, Marvin, 1974, *J. Chem. Phys.* **60**, 3634.
- Ross, M., F. H. Ree, and R. N. Keeler, 1975, in *Proceedings of the Fourth International Conference on High Pressure, Kyoto, Japan*, edited by J. Osugi (The Physico-Chemical Society of Japan, Kyoto), p. 852.
- Roy, R., 1969, in *Reactivity of Solids*, Proceedings of the Sixth International Symposium on the Reactivity of Solids, Schenectady, New York, 25–30 August 1968, edited by J. W. Mitchell, R. C. DeVries, R. W. Roberts, and P. Cannon (Wiley, New York), p. 777.
- Roy, R., and H. M. Cohen, 1961, *Nature (Lond.)* **190**, 798.
- Royce, E. B., 1968, in *Behavior of Dense Media Under High Dynamic Pressures* (Gordon and Breach, New York), p. 419.
- Royce, E. B., 1969, Lawrence Radiation Laboratory Report UCID-15454, January.
- Ruchkin, E. D., I. A. Ovsjannikova, and S. S. Batsanov, 1968, in *Behavior of Dense Media Under High Dynamic Pressures* (Gordon and Breach, New York), p. 361.
- Samara, G. A., and H. G. Drickamer, 1962, *J. Phys. Chem. Solids* **23**, 457.
- Samara, G. A., and W. L. Chrisman, 1971, in *Accurate Characterization of the High Pressure Environment*, edited by E. C. Lloyd, National Bureau of Standards Special Publication No. 326, U. S. Government Printing Office, p. 243.
- Schardin, H., 1941, *Jahrbuch Der Deutsche Akademie Der Luftfahrtforschung*, p. 314.
- Schumann, H., 1973, *Phil. Mag.* **28**, 1153.
- Shockey, D. A., D. R. Curran, and P. S. DeCarli, 1975, *J. Appl. Phys.* **46**, 3766.
- Smith, C. S., 1958, *Trans. Metall. Soc. AIME (Am. Inst. Min. Metall. Pet. Eng.)* **212**, 574.
- Soma, T., A. Sawaoka, and S. Saito, 1975, in *Proceedings of the Fourth International Conference on High Pressure, Kyoto, 1974*, edited by J. Osugi (The Physico-Chemical Society