

- 21 R.S. Bradley (Ed.), *High Pressure Physics and Chemistry*, Vols. 1 and 2, Academic Press, New York, 1963; R.S. Bradley (Ed.), *Advances in High-Pressure Research*, Vols. 1-3, Academic Press, New York, 1966, 1969.
- 22 F. Seitz, D. Turnbull, and H. Ehrenreich (Eds.), *Solid State Physics*, Vols. 6, 1957; 13, 1962; 17, 1965; 19, 1966; Academic Press, New York.
- 23 S.D. Hamann, *Physico-Chemical Effects of Pressure*, Butterworths, London, 1959.
- 24 I.E. Weale, *Chemical Reactions at High Pressure*, E. and F.N. Spon, London, 1967.
- 25 L.S. Whatley and A. Van Valkenburg, in R.S. Bradley (Ed.), *Advances in High Pressure Research*, Academic Press, New York, 1966, p. 327.
- 26 E. Sinn, *Coord. Chem. Rev.*, 12 (1974) 185, and references therein.
- 27 H.G. Drickamer and C.W. Frank, *Electronic Transitions and the High Pressure Chemistry and Physics of Solids*, Chapman and Hall, London, 1973, and references therein; H.G. Drickamer, *Angew. Chem. Int. Ed. Engl.*, 13 (1974) 39; H.G. Drickamer, in W. Paul and D.M. Warschauer (Eds.), *Solids Under Pressure*, McGraw-Hill, New York, 1963, pp. 357-384.
- 28 J.R. Ferraro and L.J. Basile, *Appl. Spectrosc.*, 28 (1974) 505.
- 29 S.D. Hamann, in R.S. Bradley (Ed.), *Advances in High Pressure Research*, Vol. 1, Academic Press, New York, 1966, p. 85; E.F. Green and J.P. Toennies, *Chemical Reactions in Shock Waves*, Arnold, London, 1964.
- 30 R.A. Fitch, T.E. Slykhouse and H.G. Drickamer, *J. Opt. Soc. Am.*, 47 (1957) 1015.
- 31 E. Fishman and H.G. Drickamer, *Anal. Chem.*, 28 (1956) 804.
- 32 H.G. Drickamer, in F.P. Bundy, W.R. Hibbard and H.M. Strong (Eds.), *Progress in Very High Pressure Research*, Wiley, New York, 1961, p. 16.
- 33 H.G. Drickamer and A.S. Balchan, in R.N. Wentorf (Ed.), *Modern Very High Pressure Techniques*, Butterworths, London, 1962, p. 25.
- 34 A.S. Balchan and H.G. Drickamer, *Rev. Sci. Instrum.*, 31 (1960) 511.
- 35 W.F. Sherman, *J. Sci. Instrum.*, 43 (1966) 462.
- 36 S.K. Runcorn, *J. Appl. Phys.*, 27 (1956) 598.
- 37 Y.A. Klyuev, *Inst. Exp. Techn.*, 5 (1964) 1.
- 38 R.P. Lowndes, *Phys. Rev.*, B, 1 (1970) 2754.
- 39 K. Noack, *Spectrochim. Acta*, Part A, 24 (1968) 1917.
- 40 E. Peters and J.J. Byerley, *Rev. Sci. Instrum.*, 34 (1963) 819.
- 41 E. Fishman and H.G. Drickamer, *J. Chem. Phys.*, 24 (1956) 548.
- 42 C.S. Fang, J.V. Fox, C.E. Mauk and R.W. Prengle, *Appl. Spectrosc.*, 24 (1970) 21.
- 43 H.W. Schamp, *Rev. Sci. Instrum.*, 30 (1959) 1051.
- 44 S.J. Gill and W.D. Rummel, *Rev. Sci. Instrum.*, 32 (1961) 756.
- 45 J.R. Ferraro, *Raman Newsletter*, No. 55, p. 17. July 1973.
- 46 M. Nicol, Y. Ebisuzaki, W.D. Ellenson and A. Karim, *Rev. Sci. Instrum.*, 43 (1968) 1368.
- 47 F.P. Bundy, *Rev. Sci. Instrum.*, 46 (1975) 1318.
- 48 C.E. Weir, E.R. Lippincott, A. Van Valkenburg and E.N. Bunting, *J. Res. Nat. Bur. Stand., Sect. A*, 63 (1959) 55; E.R. Lippincott, C.E. Weir, A. Van Valkenburg and E.N. Bunting, *Spectrochim. Acta*, 16 (1960) 58; E.R. Lippincott, F.E. Welsh, and C.E. Weir, *Anal. Chem.*, 33 (1961) 137.
- 49 W.A. Bassett, T. Takahashi and P.W. Stook, *Rev. Sci. Instrum.*, 38 (1967) 37.
- 50 J.R. Ferraro and A. Quattrochi, *Appl. Spectrosc.*, 24 (1971) 102.
- 51 L. Ming and W.A. Bassett, *Rev. Sci. Instrum.*, 45 (1974) 1115.
- 52 J.R. Ferraro and J. Takemoto, *Appl. Spectrosc.*, 28 (1974) 66.
- 53 D.M. Adams, S.J. Payne and K. Martin, *Appl. Spectrosc.*, 27 (1973) 377.
- 54 J.D. Barnett, S. Block and G.J. Piermarini, *Rev. Sci. Instrum.*, 44 (1973) 1.
- 55 S. Block and G. Piermarini, *Phys. Today*, 29 (1976) 44.
- 56 H.K. Mao and P.M. Bell, *Ann. Rep. Geophys. Lab.*, (1975-1976) 824.
- 57 P.M. Bell, *Science*, 200 (1978) 1145.

- 58 (a) E.R. Lippincott and H.C. Duecker, *Science*, 144 (1964) 1119. (b) H.C. Duecker and E.R. Lippincott, *Doctoral Thesis, University of Maryland, College Park, 1964.*
- 59 C. Postmus, V.A. Maroni and J.R. Ferraro, *Inorg. Nucl. Chem. Lett.*, 4 (1968) 269.
- 60 J.W. Brasch and E.R. Lippincott, *Chem. Phys. Lett.*, 2 (1968) 99.
- 61 A.J. Melveger, J.W. Brasch and E.R. Lippincott, *Appl. Opt.*, 9 (1970) 11.
- 62 J.W. Brasch and R.J. Jakobsen, *Spectrochim. Acta*, 21 (1965) 1183.
- 63 J.W. Brasch, *J. Chem. Phys.*, 43 (1965) 3473; R.J. Jakobsen, Y. Mikawa and J.W. Brasch, *Appl. Spectrosc.*, 24 (1970) 333.
- 64 J.R. Ferraro, S.S. Mitra and C. Postmus, *Inorg. Nucl. Chem. Lett.*, 2 (1966) 269.
- 65 C. Postmus, J.R. Ferraro and S.S. Mitra, *Inorg. Nucl. Chem. Lett.*, 4 (1968) 155.
- 66 G.J. Long, G. Miles and J.R. Ferraro, *Appl. Spectrosc.*, 28 (1974) 377.
- 67 N.T. McDevitt, R.E. Witkowski and W.C. Fateley, *Abstr.*, 13th Colloquium Spectroscopium Internationale, June 18-24, 1967, Ottawa, Canada.
- 68 J.R. Ferraro, unpublished results.
- 69 J.R. Ferraro and L.J. Basile, *Am. Lab.*, 11 (1979) 31.
- 70 C.C. Bradley, H.A. Gebbie, V.V. Kechin and J.H. King, *Nature (London)*, 211 (1966) 839.
- 71 N.B. Owen, *J. Sci. Instrum.*, 43 (1966) 765.
- 72 D.M. Adams and S.J. Payne, *J. Chem. Soc. Faraday Trans.*, 70 (1974) 1959.
- 73 D.M. Adams and S.K. Sharma, *J. Phys. E*, 10 (1977) 838.
- 74 D.M. Adams, S.K. Sharma and R. Appleby, *Appl. Opt.* 16 (1977) 2572.
- 75 D.M. Adams and S.K. Sharma, *J. Phys. E*, 10 (1977) 680.
- 76 M.G. Gonikberg, K.H.E. Stein, S.A. Unkholin, A.A. Opekunov, and V.T. Aleksanias, *Opt. Spectrosc.*, 6 (1959) 166.
- 77 W.B. Daniels and A.A. Hruschka, *Rev. Sci. Instrum.*, 28 (1957) 1058.
- 78 W.B. Daniels, *Rev. Sci. Instrum.*, 37 (1966) 1502.
- 79 O. Brafman, S.S. Mitra, R.K. Crawford, W.B. Daniels, C. Postmus, and J.R. Ferraro, *Solid State Commun.*, 7 (1969) 449.
- 80 G.E. Walrafen, in A.K. Covington and P. Jones (Eds.), *Hydrogen-Bonded Solvent Systems*, Taylor and Francis, London, 1968, p. 9.
- 81 G.E. Walrafen, *J. Solution Chem.* 2 (1973) 159.
- 82 A.B. Davis and W.A. Adams, *Spectrochim. Acta, Part A*, 27 (1971) 2401.
- 83 J. Jean-Louis and H. Vu, *Rev. Phys. Appl.*, 7 (1972) 89.
- 84 P.S. Peercy, *Phys. Rev. Lett.*, 31 (1973) 379.
- 85 P.S. Peercy and G.A. Samara, *Phys. Rev.*, B, 8 (1973) 2033.
- 86 G.A. Samara and P.S. Peercy, *Phys. Rev.*, B, 7 (1973) 1131.
- 87 S.C. Durana and J.P. McTague, *Phys. Rev. Lett.*, 31 (1973) 990.
- 88 P.T.T. Wong and E. Whalley, *Rev. Sci. Instrum.*, 45 (1974) 904; 43 (1972) 935.
- 89 J.H. Campbell and J. Jonas, *Chem. Phys. Lett.*, 18 (1973) 441.
- 90 H.K. Mao and P.M. Bell, *Science*, 191 (1976) 851.
- 91 P. Walling and J.R. Ferraro, *Rev. Sci. Instrum.*, 49 (1978) 1557.
- 92 S. Foner, *Rev. Sci. Instrum.*, 30 (1959) 548.
- 93 A.H. Ewald and E. Sinn, *Inorg. Chem.*, 6 (1967) 40.
- 94 A.H. Ewald, R.L. Martin, I.G. Ross and A.H. White, *Proc. Roy. Soc. Ser. A*, 280 (1964) 235.
- 95 E. Sinn, *Thesis, University of Sydney, 1966.*
- 96 S. Broersma, *Rev. Sci. Instrum.*, 34 (1963) 277.
- 97 D.B. McWhan and A.L. Stevens, *Phys. Rev.*, A, 139 (1965) 682; L.H. Adams and J.W. Green, *Phil. Mag.*, 12 (1931) 367.
- 98 D. Bloch, *High Temp.-High Pressures*, 1 (1969) 1.
- 99 K. Mori and M. Mayashi, *J. Phys. Soc. Jpn.*, 33 (1972) 1396.
- 100 D.F. Evans, *J. Chem. Soc.*, (1959) 2003.
- 101 R.V. Pound, G.B. Benedek and R. Drever, *Phys. Rev. Lett.*, 7 (1961) 405.