

Supplementary Material

Guy Kendall White 1925–2018

Stephen J. Collocott^{A,*} and *Trevor R. Finlayson*^B

^A(Formerly CSIRO) 9 Harbourside Crescent, Port Macquarie, NSW 2444, Australia

^BSchool of Physics and Department of Chemical Engineering, University of Melbourne, Parkville, Vic. 3010, Australia

*Correspondence to: Email: stephen.collocott@gmail.com

Supplementary Material

Guy Kendall White 1925-2018

Stephen J. Collocott

9 Harbourside Crescent, Port Macquarie, NSW 2444, Australia.

Email: stephen.collocott@gmail.com

Trevor R. Finlayson

Honorary Principal Fellow, School of Physics University of Melbourne, Parkville, Victoria, 3010, Australia.

Email: trevorf@unimelb.edu.au

Education

Dux The Scots College, Bellevue Hill, NSW, Australia

BSc (Hons 1), University of Sydney, Camperdown, NSW, Australia.

MSc, University of Sydney, Camperdown, NSW, Australia.

DPhil, University of Oxford, Oxford, United Kingdom.

Awards

1966 David Syme Prize, University of Melbourne, Parkville, Victoria, Australia.

1983 Amco Iron Award, Thermal Conductivity Conference, USA.

1994 American Society of Mechanical Engineers, Yeram S Tououkian Award

1995 MacDonald Lecture, Canadian Materials Science Conference

2000 Hon. Doctor of Science (DSc), University of Wollongong, Wollongong, NSW, Australia.

2000 Order of Australia: Member in the General Division (AM)

2001 Centenary Medal

Professional Organizations

1970 Fellow Australian Academy of Science

Fellow Institute of Physics (UK)

Fellow Australian Institute of Physics

Australian Academy of Science – Committee History

Formal Name	Period	Position
Scientific Information	1/01/1977 – 30/12/1978	Chairman
Codata	1/01/1973 – 30/12/1978	Chairman
Codata and Scientific Information	1/01/1978 – 30/12/1979	Chairman
Regional Group NSW	1/01/1981 – 30/12/1983	Chairman
Sectional Committee 5 Applied Physical Sciences (1992)	1/01/1998 – 30/04/2000	Chairman
International Relations	1/01/1981 – 30/12/1991	Ex officio
Editorial Board “Historical Records of Australian Science	30/12/2018	Member
Sectional Committee 2 Experimental Physics (1967)	1/01/1973 – 30/12/1976	Member
School Physics Project	1/01/1975 – 30/12/1977	Member
Codata and Scientific Information	1/01/1979 – 30/12/1981	Member
Public Lectures	1/01/1981 – 30/12/1982	Member
Vice-presidents’ Committee	1/01/1981 – 30/12/1983	Member
Scientific Information	1/01/1981 – 30/12/1983	Member
Sectional Committee 5 Applied Physical Sciences (1992)	1/01/1997 – 30/04/1998	Member
Sectional Committee 5 Applied Physical Sciences (1992)	1/01/2000 – 30/04/2002	Member
Council	1/01/1977 – 30/12/1980	Member – Physical Sciences
Advisory Comm. Science & Tech. of the National Library of Australia	1/01/1982 – 30/12/1995	Representative
Executive Committee	1/01/1979 – 30/12/1988	Vice President

List of Publications

Monographs

White, G. K. (1959, 1968, 1979) *Experimental Techniques in Low Temperature Physics*, Clarendon Press, Oxford.

White, G. K. and Meeson, P. J. (2002) *Experimental Techniques in Low Temperature Physics*, Clarendon Press, Oxford.

Barron, T. H. K. and White, G. K. (1999) *Heat Capacity and Thermal Expansion at Low Temperatures*, Kluwer Academic/Plenum Publishers, New York.

Major Thermophysical Data Compilations

Madelung, O., and White, G. K. (1991) (eds) *Metals: Electronic Transport Phenomena: Thermal Conductivity of Pure Metals and Alloys*, Landolt-Börnstein, vol **111/15c**, Berlin: Springer-Verlag, 460 pp. ISBN: 978-3-540-53512-6 (Print) 978-3-540-46730-4 (Online).

G. K. White was both an editor and contributor. Contributions include:-

2.1 Thermal conductivity at 273 - 300 K

Thermal Conductivity of Pure Metals and Alloys Ac - Fe

Thermal Conductivity of Pure Metals and Alloys Ga - Pa

Thermal Conductivity of Pure Metals and Alloys Pb - Ta

Thermal Conductivity of Pure Metals and Alloys Tb - Zr

Thermal Conductivity of Pure Metals and Alloys Ag - Ho

Thermal Conductivity of Pure Metals and Alloys In - Ru

Thermal Conductivity of Pure Metals and Alloys Sc - Zr

Lorenz ratios of metallic elements at intermediate and high temperatures

Journal Publications

Carver, J. H., and White, G. K. (1949) Methylene bromide as a quenching agent in Geiger-Müller counters, *Nature*, **163**, 526-527.

Mendelssohn, K., and White, G. K. (1950) Helium-II transfer on metal surfaces, *Nature*, **166**, 27-28.

Mendelssohn, K., and White, G. K. (1950) Film transfer in helium-II .4. The transfer rate on glass and metals, *Proc. Phys. Soc. Sect A* **63**, 1328-1336.

Hercus, G. R., and White, G. K. (1951) A medium capacity helium liquefier, *J. Sci. Inst.* **28**(1), 4-6.

White, G. K. (1951) Flow of liquid helium through fine channels, *Proc. Phys. Soc. Sect A* **64**(6), 554-557.

Bowers, R., and White, G. K. (1951) Pressure gradients in superflow, *Proc. Phys. Soc. Sect A* **64**(6), 558-562.

White, G. K. (1953) The thermal and electrical conductivity of copper at low temperatures, *Aust. J. Phys* **6**(4), 397-404.

White, G. K. (1953) The thermal conductivity of gold at low temperatures, *Proc. Roy. Soc. Sect A* **66**, 559-564.

White, G. K. (1953) The thermal conductivity of silver at low temperatures, *Proc. Roy. Soc. Sect A* **66**, 844-845.

Kemp, W. R. G., Sreedhar, A. K., and White, G. K. (1953) The thermal conductivity of magnesium at low temperatures, *Proc. Roy. Soc. Sect A* **66**, 1077-1078.

White, G. K., and Woods, S.B. (1954) The lattice thermal conductivity of dilute copper alloys at low temperatures, *Phil. Mag.* **45**, 1343-1345.

Kemp, W. R. G., Klemens, P. G., Sreedhar, A. K., and White, G. K. (1954) The lattice thermal conductivity of silver-palladium alloys at low temperatures, *Proc. Roy. Soc. Sect A* **67**, 728-730.

White, G. K., and Woods, S. B. (1955) Thermal and electrical conductivities of solids at low temperatures, *Can. J. Phys.* **33**(2), 58-73.

White, G. K. (1955) The electrical resistance of dilute copper alloys at very low temperatures, *Can. J. Phys.* **33**(3-4) 119-124.

Kemp, W. R. G., Klemens, P. G., Sreedhar, A. K., and White, G. K. (1955) The thermal and electrical conductivity of palladium at low temperatures, *Phil. Mag.* **46**(378), 811-814.

White, G. K. (1956) Conductivity of metals at low temperatures, *Can. J. Phys.* **34**(12), 1328-1333.

White, G. K., and Woods, S. B. (1956) Thermal conductivity of solid argon at low temperatures, *Nature* **177**, 851-852.

White, G. K., and Woods, S. B. (1956) Electrical and thermal magneto-resistance in thin rods of pure sodium, *Phil. Mag.* **1**(9), 846-853.

White, G. K., and Woods, S. B. (1956) Thermal conductivity of germanium and silicon at low temperatures, *Phys. Rev.* **103**(3), 569-571.

Klemens, P. G., and White, G. K. (1956) Thermal and electrical conductivities of iron, nickel, titanium, and zirconium at low temperatures, *Aust. J. Phys.* **9**(2), 180-188.

MacDonald, D. K. C., White, G. K., and Woods, S. B. (1956) Thermal and electrical conductivities of the alkali metals at low temperatures, *Proc. R. Soc. Lond. A* **235**, 358-374.

Kemp, W. R. G., Klemens, P. G., Sreedhar, A. K., and White, G. K. (1956) The thermal and electrical conductivity of silver-palladium and silver-cadmium alloys at low temperatures, *Proc. R. Soc. Lond. A* **233**, 480-493.

Kemp, W. R. G., Klemens, P. G., Tainsh R. J., and White, G. K. (1957) The electrical and thermal conductivities of some brasses at low temperatures, *Acta Metal.* **5**(6), 303-309.

White, G. K., and Woods, S. B. (1957) Thermal and electrical conductivity of rhodium, iridium, and platinum, *Can. J. Phys.* **35**(3), 248-257.

White, G. K., and Woods, S. B. (1957) Conductivity of alpha-manganese, *Can. J. Phys.* **35**(3), 346-348.

White, G. K., and Woods, S. B. (1957) Low temperature resistivity of the transition elements - cobalt, tungsten, and rhenium, *Can. J. Phys.* **35**(5), 656-665.

White, G. K., and Woods, S. B. (1957) Low temperature resistivity of transition elements - vanadium, niobium, and hafnium, *Can. J. Phys.* **35**(8), 892-900.

Harper, A. F. A., Kemp, W. R. G., Klemens, P. G., Tainsh, R. J., and White, G. K. (1957) The thermal and electrical conductivity of chromium at low temperatures, *Phil. Mag.* **2**(17), 577-583.

Fischer, G., White, G. K., and Woods, S. B. (1957) Thermal and electrical resistivity of tellurium at low temperatures, *Phys. Rev.* **106**(3), 480-483.

White, G. K., and Woods, S. B. (1957) Indium resistance thermometer - 4-degrees-K to 300-degrees-K, *Rev. Sci. Inst.* **28**(8), 638-641.

White, G. K., and Woods, S. B. (1958) Low temperature resistivity of the transition elements - ruthenium and osmium, *Can. J. Phys.* **36**(7), 875-883.

White, G. K., and Woods, S. B. (1958) The thermal and electrical resistivity of bismuth and antimony at low temperatures, *Phil. Mag.* **3**(28), 342-359.

White, G. K., and Woods, S. B. (1958) Thermal conductivity of the solidified inert gases - argon, neon and krypton, *Phil. Mag.* **3**(32), 785-797.

White, G. K., Woods, S. B., Elford, M.T. (1958) Thermal conductivity of selenium at low temperatures, *Phys. Rev.* **112**(1), 111-113.

White, G. K., Woods, S. B., Anglin, F. (1958) Indium resistance thermometer, *Rev. Sci. Inst.* **29**(2), 181-182.

White, G. K., Woods, S. B., Elford, M.T. (1959) The lattice thermal conductivity of dilute alloys of silver and gold, *Phil. Mag.* **4**(42), 688-692.

White, G. K. and Woods, S. B. (1959) Electrical and thermal resistivity of the transition elements at low temperatures, *Phil. Trans. R. Soc. Lond. A* **251**, 273-302.

White, G. K. (1960) Thermal expansion at low temperatures, *Nature* **187**, 927-929.

White, G. K., and Tainsh, R. J. (1960) Lorenz number for high-purity copper, *Phys. Rev.* **119**(6), 1869-1871.

Klemens, P. G., Tainsh, R. J., and White, G. K. (1960) Influence of cold work on the resistivity of dilute copper alloys, *Phys. Rev.* **118**(3), 654-655.

White, G. K. (1961) Measurement of Thermal Expansion at Low Temperatures, *Cryogenics* **1**(3), 151-158.

Tainsh, R. J., White, G. K., and Klemens, P. G. (1961) Dislocation densities in cold-worked copper-silicon alloys, *Acta Metal.* **9**(10), 966-968.

White, G. K. (1961) Anomalous thermal expansion of chromium, *Aust. J. Phys.* **14**(3), 359-367.

White, G. K. (1961) Thermal expansion at low temperatures .2. electronic component in metals, *Phil. Mag.* **6**(66), 815-818.

White, G. K. (1961) Thermal expansion at low temperatures .3. potassium chloride, *Phil. Mag.* **6**(72), 1425-1429.

White, G. K. (1962) Thermal expansion at low temperatures .4. normal and superconducting lead, *Phil. Mag.* **7**(74), 271-278.

White, G. K. (1962) Thermal expansion at low temperatures .5. dilute alloys of manganese in copper, *J. Phys. Chem. Sol.* **23**, 169-171.

Tainsh, R. J., and White, G. K. (1962) Lattice thermal conductivity of copper- and silver-alloys at low temperatures, *J. Phys. Chem. Sol.* **23**, 1329-1335.

White, G.K. (1962) Correction, *Phil. Mag.* **7**(75), 532.

Klemens, P. G., White, G. K., and Tainsh, R. J. (1962) Scattering of lattice waves by point defects, *Phil. Mag.* **7**(80), 1323-1335.

McCammon, R. D., and White, G. K. (1963) Thermal expansion of germanium, *Phys. Rev. Lett.* **10**(6), 234-236.

Tainsh, R. J., and White, G. K. (1964) Resistivity of ruthenium, *Can. J. Phys.* **42**(1), 208-209.

White, G. K. (1964) Thermal expansion of silica at low temperatures, *Cryogenics* **4**(1), 2-7.

White, G. K. (1964) Thermal expansion of anisotropic metals at low temperatures, *Phys. Lett.* **8**(5), 294-295.

- Carr, R. H., White, G. K., and McCammon, R. D. (1964) Thermal expansion of copper at low temperatures, *Proc. Roy. Soc. Lond. A* **280**, 72-84.
- Collins, J. G., and White, G. K. (1964) Chapter IX Thermal Expansion of Solids, *Prog. Low Temp. Phys.* **4**, 450-479.
- Carr, R. H., McCammon, R. D., and White, G. K. (1965) Thermal expansion of germanium and silicon at low temperatures, *Phil. Mag.* **12**(115), 157-163.
- McCammon, R. D., and White, G. K. (1965) Thermal expansion at low temperatures of hexagonal metals: Mg, Zn and Cd, *Phil. Mag.* **11**(114), 1125-1134.
- White, G. K. and Birch, J. A. (1965) Thermal properties of silica at low temperatures, *Phys. Chem. Glasses* **6**(3), 85-89.
- White, G.K. (1965) Thermal expansion of magnetic metals at low temperatures, *Proc. Phys. Soc.* **86**, 159-170.
- White, G. K. (1965) Thermal expansion of alkali halides at low temperatures, *Proc. R. Soc. Lond. A* **286**, 204-217.
- White, G. K., and Anderson, O. L. (1966) Grüneisen parameter of magnesium oxide, *J. Appl. Phys.* **37**(1), 430-432.
- Collins, J. G., Cowan, J. A., and White, G. K. (1967) Thermal expansion at low temperatures of anisotropic metals - indium, *Cryogenics* **7**(4), 219-224.
- Fawcett, E. and White, G. K. (1967) Forced magnetostriction of nickel cobalt and iron at 4.2 degrees K, *J. Appl. Phys.* **38**(3), 1320-1321.
- White, G. K., and Tainsh, R. J. (1967) Electron scattering in nickel at low temperatures, *Phys. Rev. Lett.* **19**(4), 165-167.
- Cowan, J. A., Pawlowicz, A. T., and White, G. K. (1968) Thermal expansion of polycrystalline titanium and zirconium, *Cryogenics* **8**(3), 155-157.
- Fawcett, E., and White, G. K. (1968) Magnetostriction of paramagnetic transition metals and alloys, *J. Appl. Phys.* **39**, 576-578.
- White, G. K. (1968) Correction, *Phys. Chem. Glasses* **9**(4), 132.
- White, G. K. (1969) Thermal expansion of bismuth at low temperatures, *J. Phys. C: Solid State Phys.* **2**(3) 575-576.
- White G. K. (1972) Thermal-expansion of Ca, Sr and Ba at low-temperatures, *J. Phys. F: Metal Phys.* **2**(5), 865-872.
- White, G. K. (1972) Thermal-expansion of platinum at low-temperatures, *J. Phys. F: Metal Phys.* **2**(2), L30-L31.

White, G. K. (1972) Thermal-expansion of trigonal elements at low-temperatures - As, Sb and Bi, *J. Phys. C: Solid State Phys.* **5**(19), 2731-2745.

White, G. K. and Collins, J. G. (1972) Thermal expansion of copper, silver, and gold at low temperatures, *J. Low Temp. Phys.* **7**(1-2), 43-75.

Collins, J. G., White, G. K., and Swenson, C. A. (1973) Thermal-expansion of aluminum below 35 K, *J. Low Temp. Phys.* **10**(1-2), 69-77.

White, G. K. (1973) Thermal-expansion of tellurium, *J. Phys. C: Solid State Phys.* **6**(9) 1548-1550.

White, G. K. (1973) Thermal-expansion of reference materials - copper, silica and silicon, *J. Phys D: Appl. Phys.* **6**(7), 2070-2078.

White, G. K., and Collins, J. G. (1973) Thermal-expansion of alkali-halides at low-temperatures: 2. sodium, rubidium and cesium halides, *Proc. Roy. Soc. Lond. A* **333**, 237-259.

White, G. K., and Sheard, F. W. (1974) Thermal-expansion at low-temperatures of UO_2 and UO_2/ThO_2 , *J. Low Temp. Phys.* **14**(5-6), 445-457.

Smith, T. F., and White, G. K. (1975) Low-temperature thermal-expansion and Grüneisen parameters of some tetrahedrally bonded solids, *J. Phys. C: Solid State Phys.* **8**(13), 2031-2042.

White, G. K. (1975) Thermal-expansion of vitreous silica at low-temperatures, *Phys. Rev. Lett.* **34**(4), 204-205.

White, G. K., (1976) Thermal-expansion at low-temperatures of glass-ceramics and glasses, *Cryogenics* **16**(8), 487-490.

White, G. K. (1976) Correction, *Cryogenics* **16**(10), 606-606.

White, G. K., Smith, T. F., and Birch, J. A. (1976) Thermal-expansion and Grüneisen parameters of a polyoxymethylene crystal, *J. Chem. Phys.* **65**(2), 554-558.

Lyon, K. G., Salinger, G. L., Swenson, C. A., and White, G. K. (1977) Linear thermal-expansion measurements on silicon from 6 to 340 K, *J. Appl. Phys.* **48**(3), 865-868.

White, G. K., Birch, J. A., and Manghnani, M. H. (1977) Thermal-properties of sodium silicate-glasses at low-temperatures, *J. Non-Cryst. Sol.* **23**(1), 99-110.

Sheard, F. W., Smith, T. F., White, G. K., and Birch, J. A. (1977) Influence of Fe^{2+} ions on thermal-expansion and heat-capacity of cubic ZnS, *J. Phys. C: Solid State Phys.* **10**(5), 645-655.

Barron, T. H. K., Birch, J. A., and White, G. K. (1977) Thermal-expansion and heat-capacity of cuprous chloride at low-temperatures, *J. Phys. C: Solid State Phys.* **10**(10), 1617-1625.

Smith, T. F., and White, G.K. (1977) Grüneisen parameters, electron-phonon enhancement and superconductivity for Pd-H alloys, *J. Phys. F: Metal Phys.* **7**(6), 1029-1038.

White, G. K., Smith, T. F., and Carr, R. H. (1978) Thermal-expansion of Cr, Mo and W at low-temperatures, *Cryogenics* **18**(5), 301-303.

White, G. K., Collins, J. G., Birch, J. A., Smith, T.F., and Finlayson, T.R. (1978) Thermal expansion of BCC solid solution alloys: Nb-Mo, *Conf. Ser. No. 39*, Transition Metals 1977: Proc. Int. Conf. on Physics of Transition Metals, Toronto, Aug. 1977, eds. M. J. G. Lee, J. M. Perz and E. Fawcett (Inst. Phys., London, 1978) Ch. 6, pp 420-425.

Kemp, W. R. G., and White, G. K. (1978) Worldwide cryogenics - Australian-National-Measurement-Laboratory and cryogenics, *Cryogenics* **18**(11), 579-583.

White, G.K. (1978) Thermal-expansion of cuprous-oxide at low-temperatures, *J. Phys. C: Solid State Phys.* **11**(11), 2171-2174.

Birch, J. A., Collins, J. G., and White, G. K. (1979) Heat-capacities and Grüneisen parameters for NaF and NaBr below 25K, *Aust. J. Phys.* **32**(5), 463-467.

White, G. K. (1979) Debye, Grüneisen and Anisotropy. *Physics of Materials.* **1979**, 314-24.

White, G. K.; and Roberts, R. B. (1980) Problems in presenting key values: linear expansivity of copper. *High Temp.-High Press.* **12**, 311-316.

White, G. K. (1980) Thermal expansion reference data: 1-1000 K. *High Temp.-High Press.* **11**, 471-475.

Barron, T. H. K., Collins, J. G., and White, G. K. (1980) Thermal-expansion of solids at low-temperatures, *Adv. Phys.* **29**(4) 609-730.

Rayne, J.A., Collins, J. G., and White, G. K. (1980) Low-temperature thermal-expansion of CsNiCl₃, *Bull. Am. Phys. Soc.* **25**(3), 346-346.

Collins, J. G., White, G. K., Birch, J. A., and Smith, T. F. (1980) Thermal-expansion of ZnTe and HgTe and heat-capacity of HgTe at low-temperatures, *J. Phys. C: Solid State Phys.* **13**(9), 1649-1656.

White, G. K. (1980) Thermal-expansion at low-temperatures of the alkaline-earth fluorides and PbF₂, *J. Phys. C: Solid State Phys.* **13**(26), 4905-4913.

Rayne, J. A., Collins, J. G., and White, G. K. (1980) Low-temperature thermal-expansion of CsNiCl₃, *Sol. State Commun.* **33**(1), 39-42.

Roberts, R. B., White, G. K., and Sabine, T. M. (1981) Thermal-expansion of zinc-sulfide - 300-degrees-K-1300-degrees-K, *Aust. J. Phys.* **34**(6), 701-706.

Rayne, J. A., Collins, J. G., and White, G. K. (1981) Low-temperature thermal-expansion of CsNiCl₃ and RbNiCl₃, *J. Appl. Phys.* **52**(3), 1977-1979.

White, G. K. (1981) Thermal-expansion of KTaO₃ at low-temperatures, *J. Phys. C: Solid State Phys.* **14**(11), 1297-1299.

Morgan, G. I., White, G. K., and Collins, J. G. (1981) Thermal-expansion of amorphous As₂S₃ at low-temperatures, *Phil. Mag. B.* **43**(6), 1039-1048.

Rayne, J. A., Collins, J. G., and White, G. K. (1981) Low-temperature thermal-expansion of CsNiCl₃ and CsMgCl₃, *Physica B & C* **107**(1-3), 91-92.

Roberts, R. B., Tainsh, R. J., and White, G. K. (1982) Thermal-properties of Zerodur at low-temperatures, *Cryogenics* **22**(11), 566-568.

Barron, T.H. K., Collins, J. G., Smith, T. W., and White, G. K. (1982) Thermal-expansion, Grüneisen functions and static lattice properties of quartz, *J. Phys. C: Solid State Phys.* **15**(20), 4311-4326.

White, G. K. and Roberts, R. B. (1983) Thermal expansion of reference materials: tungsten and α -Al₂O₃. *High Temp.-High Press.* **15**, 321-328.

Roberts, R. B., White, G. K., and Fawcett, E. (1983) Thermal-expansion of Cr and Cr-V alloys, *Physica B & C* **119**(1-2), 63-67.

Rayne, J. A., Collins, J. G., and White, G. K. (1983) Low-temperature magnetostriction studies in CsNiCl₃, *Sol. Stat. Commun.* **45**(8), 681-683.

Rayne, J. A., Collins, J. G., and White, G. K. (1984) Low-temperature magnetostriction in CsNiCl₃ and RbNiCl₃, *J. Appl. Phys.* **55**(6), 2404-2406.

White, G. K. and Collocott, S. J. (1984) Heat-capacity of reference materials - Cu and W, *J. Phys. Chem. Ref. Data* **13**(14), 1251-1257.

White, G. K., and Choy, C. L. (1984) Thermal-expansion and Grüneisen parameters of isotropic and oriented polyethylene, *J. Polymer Sci. Part B Polymer Phys.* **22**(5), 835-846.

White, G.K., Collocott, S. J., and Cook, J. S. (1984) Thermal-expansion and heat-capacity of vitreous B₂O₃, *Phys. Rev. B* **29**(8), 4778-4781.

White, G. K. (1984) Metals and alloys: expansion and contraction. *Adv. Cryog. Eng.* **30**, 407-416.

White, G. K. (1984) Physical properties: knowing, guessing, and measuring. *Adv. Cryog. Eng.* **30**, 383-393.

- Collins, J.G., Collocott, S. J., and White, G. K. (1985) Thermal-properties of stabilized zirconia at low-temperatures, *Aust. J. Phys.* **38**(4), 617-622.
- Swenson, C. A.; Roberts, R. B.; and White, G. K. (1985) Thermal expansion of Cu, Si, W, and Al_2O_3 , *CODATA Bull.* **59**,139
- White, G. K. and Minges, M. L. (1985) Thermophysical properties of some key solids. *CODATA Bull.* **59**
- Ho, C. Y.; Desai, P. D.; and White, G. K. (1985) Electrical resistivity of Cu, Fe, W, and Pt. *CODATA Bull.* **59**, 21-27.
- Kaiser, A. B., White, G. K., and Fawcett, E. (1985) Low-temperature thermal-expansion of single-Q chromium and of dilute antiferromagnetic CrV alloys, *Phys. Rev. B* **32**(11), 7438-7443.
- Castanet, R., Collocott, S. J., and White, G. K. (1985) Heat capacity of Al_2O_3 , Cu, W, and Fe. *Thermophysical Properties of Some Key Solids* (ed. White, G. K., and Minges, M. L.) **59**, 3-12.
- Fawcett, E., Kaiser, A. B., and White, G. K. (1986) Effect of pressure and alloying on antiferromagnetism of chromium - insight from thermal-expansion measurements, *J. Magn. Magn. Mater.* **54**(7), 1021-1022.
- White, G. K., Roberts, R. B., and Fawcett, E. (1986) Thermal-expansion of Cr and CrV alloys .1. experiment, *J. Phys. F: Metal Phys.* **16**(4), 449-459.
- Fawcett, E., Roberts, R. B., Day, R., and White, G.K. (1986) Possible tricritical point in dilute chromium-alloys, *Europhys. Lett.* **1**(9), 473-478.
- Collocott, S.J., and White, G.K. (1986) Thermal-expansion and heat-capacity of some stainless-steels and FeNi alloys, *Cryogenics* **26**(7), 402-405.
- White, G. K. (1986) Thermal expansion of solids: a review. *High Temp.-High Press.* **18**, 509-516.
- Fawcett, E., Kaiser, A. B., and White, G. K. (1986) Magnetovolume in chromium, *Phys. Rev. B.* **34**(9), 6248-6257.
- Roberts, R.B., and White, G. K. (1986) Thermal-expansion of fluorites at high-temperatures, *J. Phys. C: Solid State Phys.* **19**(36), 7167-7172.
- Collins, J.G., Collocott, S. J., Tainsh, R. J., Andrikidis, C., and White, G. K. (1987) Low-temperature heat-capacity and thermal-expansion of KCl containing a low concentration of Li^+ , *Aust. J. Phys.* **40**(1), 65-71.
- Collocott, S. J., Fawcett, E., and White, G. K. (1987) The thermal-expansion and heat-capacity of Ni_3Al , *Jap. J. Appl. Phys. Part 1* **26**, 833-834.

- Roberts, R. B., White, G.K., Buykx, W. J., and Cassidy, D. J. (1987) Thermal-expansion of synroc minerals, *J. Nuclear Mater.* **148**(3), 353-355.
- Collocott, S. J., White, G. K., Dou, S. X., and Williams, R. K. (1987) Thermal-properties of the high- T_c superconductors $\text{La}_{1.85}\text{Sr}_{0.15}\text{CuO}_4$ and $\text{YBa}_2\text{Cu}_3\text{O}_7$, *Phys. Rev. B* **36**(10), 5684-5685.
- White, G. K., and Collocott, S. J. (1987) The heat-capacity and Grüneisen -parameter of KTaO_3 , *J. Phys. C: Solid State Phys.* **20**(30), L813-L815.
- White, G. K., and Roberts, R. B. (1988) Thermal-expansion of willemite, Zn_2SiO_4 , *Aust. J. Phys.* **41**(6), 791-795.
- White, G. K. (1988) The heat-capacity of transition-metals at high-temperatures, *Physica B & C* **149**(1-3), 255-260.
- White, G.K., Collocott, S. J., Driver, R., Roberts, R. B., and Stewart, A. M. (1988) Thermal-properties of high- T_c superconductors, *J. Phys. C: Solid State Phys.* **21**(17), 1631-1637.
- White, G. K. (1988) Heat-capacity of transition-metals at high-temperatures, *Int. J. Thermophys.* **9**(5), 839-848.
- White, G. K., Nakamura, Y., Shiga, M., and Kaiser, A. B. (1989) Large thermal expansions in Cr Mn alloys at low-temperatures, *J. Phys. Soc. Jpn.* **58**(10), 3485-3488.
- White, G. K. (1989) The Gruneisen parameters and pressure dependence of thermal conductivity. *High Temp.-High Press.* **21**, 233-236.
- White, G. K. (1989) Phase-transitions and the thermal-expansion of holmium, *J. Phys.: Condens. Matter* **1**(39), 6987-6992.
- White, G. K., Collins, J. G., and Schirber, J. E. (1990) Thermal-expansion of InBi at low-temperatures, *Aust. J. Phys.* **43**(1), 93-98.
- White, G. K. (1990) A century of cold, superfluids and superconductors, *Aust. J. Phys.* **27**, 139-45.
- Gerlich, D., Roberts, R. B., White, G. K., and Tainsh, R. J. (1990) Thermoelastic properties of 350 grade maraging-steel, *J. Mat. Sci.* **25**(4), 2249-2252.
- White, G. K., Collocott, S. J., and Collins, J. G. (1990) Thermal-properties of paratellurite (TeO_2) at low-temperatures, *J. Phys.: Condens. Matter* **2**(37), 7715-7718.
- Collocott, S. J. and White, G. K. (1991) Heat-capacity and thermal-expansion of Zerodur and Zerodur-M at low-temperatures, *Cryogenics* **31**(2), 102-104.

- Smith, T. F., Kaiser, A. B., and White, G. K. (1991) Temperature-dependence of magnetovolume for Ni-Cr alloys near the critical composition for magnetism, *Int. J. Thermophys.* **12**(4), 627-635.
- White, G. K., Driver, R., and Roberts, R. B. (1991) Thermal-expansion of high- T_c superconductors, *Int. J. Thermophys.* **12**(4), 687-695.
- White, G. K. (1991) Thermophysical measurements at the Australian National measurement Laboratory, *Australian & New Zealand Physicist* **28**(11) 238-243.
- White, G. K., and Rayne, J. A. (1992) Low-temperature thermal-expansion of CuAl_2 , *Cryogenics* **32**(4), 412-413.
- White, G. K. (1992) Thermal expansion and Grüneisen parameters of high T_c superconductors, *Studies of high temperature superconductors* (Ed. Narlikar, A.,) (Nova, NY, USA) **23**, 121-148.
- White, G. K. (1992) 16th Annual Condensed Matter Physics Meeting Hanmer-Springs, New-Zealand, 29-31 January 1992, *Cryogenics* **32**(8), 737-738.
- White, G. K. (1993) Electrons in transition-metals at high-temperatures, *Aust. J. Phys.* **46**(5), 707-715.
- Rigden, S., White, G. K., and Vance, E. R. (1993) Ultrasonic velocities in dense $\text{YBa}_2\text{Cu}_3\text{O}_{7-\delta}$ at high-pressure, *Phys. Rev. B* **47**(2), 1153-1155.
- White, G. K. (1993) Reference materials for thermal-expansion - certified or not?, *Thermochimica Acta* **218**, 83-89.
- White, G. K. (1993) Solids - thermal-expansion and contraction, *Contemp. Phys.* **34**(4), 193-204.
- White, G. K. (1994) 18th Annual Condensed Matter Physics Meeting - Charles-Sturt-University, Wagga-Wagga, NSW, Australia, 8-11 February 1994, *Cryogenics* **34**(8), 693-693.
- White, G. K. (1994) Thermophysical properties of some key solids, *Int. J. Thermophys.* **15**(6), 1333-1343.
- White, G.K., and Andrikidis, C. (1996) Thermal expansion of chromium at high temperature, *Phys. Rev. B* **53**(13), 8145-8147.
- Righini, F., Spisiak, J., Bussolino, G. C., Rosso, A., and White, G. K. (1996) Thermophysical properties of thoriated tungsten above 3600 K by a pulse-heating method, *Int. J. Thermophys.* **17**(5), 1025-1036.
- White, G.K. and Minges, M. L. (1997) Thermophysical properties of some key solids: an update, *Int. J. Thermophys.* **18**(5), 1269-1327.

White, G.K. (2000) Thermophysical properties: is measuring a dying art? *Thermal Conductivity 25 Thermal Expansion 13* (Eds Uher, C. and Morelli, D.) (Technomic Publ., Lancaster, Pa, USA) **25**, 300-307.

Sources: Publications were compiled from Web of Science, Google Scholar and CSIRO records.

“Wagga” Papers by Guy White:

1977 FM1 Invited Paper: *Thermal and Electrical Properties of Solids* – G.K. White

1978 WP8 Poster Paper: *‘Soft’ Optic Modes and Thermal Expansion Anomalies* – J.G. Collins and G.K. White

1979 W1-3 Contributed Paper: *Tunnelling in Glasses* – J.G. Collins and G.K. White

1980 (“Wagga Pakatoa”) TM1-3 Contributed Paper: *Thermal Expansion of CsNiCl₃* – G.K. White, J.G. Collins and J.A. Rayne

1981 WE Evening Lecture: *Solids in Australia – Whither or Wither?* – G.K. White

1982 TM8 Contributed Paper: *Tunnelling and Thermal Properties at Low Temperatures* – G.K. White

TA4 Contributed Paper: *Low-temperature Expansion of Indium Bismuthide, a Layer-structure Semi-metal* – J.G. Collins and G.K. White

PW5 Poster Paper: *Thermal Properties of Zerodur – a Devitrified Glass* – R.B. Roberts, R.J. Tainish and G.K. White

1983 PT34 Poster Paper: *Magneto-elastic Effects in Cr, CrV and FeNi Alloys* – G.K. White

1984 PT17 (“Wagga Pakatoa”) Poster Paper: *Probing Magnetic Moments in Itinerant Magnets by Thermal Expansion* - A.B. Kaiser, G.K. White and A. Upton

1985 TM7 Contributed Paper: *Effect of Heavy Cation Substitution on Thermal Properties of Rock-salt* J.G. Collins, S.J. Collocott, J.S. Cook and G.K. White

1986 TM6 Contributed Paper: *Low-temperature Studies of Tunnelling in Doped Alkali Halides: KCl:Li⁺ and NaCl:CN⁻* - J.G. Collins, S.J. Collocott, C. Andrikidis, R.J. Tainish and G.K. White

PS1-11 Poster Paper: *Thermophysical Properties at High Temperatures* – G.K. White

PS3-10 Poster Paper: *Heat Capacity and Thermal Expansion of Stainless Steels at Low Temperatures* – S.J. Collocott and G.K. White

PS3-11 Poster Paper: *Thermal Expansion Anomalies in Fluorites at High Temperatures* – R.B. Roberts and G.K. White

1987 PT17 (“Wagga Pakatoa”) Poster Paper: *Thermal Expansion of Synroc Constituents* – R.B. Roberts, G.K. White, W.J. Buykx and D.J. Cassidy

PT18 Poster Paper: *Thermoelastic Properties of Maraging Steel* D. Gerlich, R.B. Roberts, G.K. White and R.J. Tainish

1988 PM1 (“Wagga AIP Congress”) Poster Paper: *Thermal Conductivity – The Australian Connection* – G.K. White

PM2 Poster Paper: *Thermal Expansion Measurements at NML* – R.B. Roberts and G.K. White

1989 WP33 Poster Paper: *Phase Transition and Thermal Expansion of Holmium* – G.K. White

1990 WP74 Poster Paper: *Current Thermal Expansion Measurements – Copper, Zerodur and High- T_c Superconductors*

1991 FP12 Poster Paper: *Thermal and Elastic Properties of High- T_c Superconductors* – G.K. White

1992 C12 (“Wagga Hanmer Springs”) Contributed Paper: *Properties of Transition Metals at High temperatures: A Challenge to Theorists* – G.K. White

P84 Poster Paper: *Elastic Wave Velocity Measurements of YBCO to 3GPa* – S. Rigden, L. Vance and G.K. White

1995 TP41 Poster Paper: *Chromium: Thermal Properties at High Temperatures* – C. Andrikidis and G.K. White

1996 WP23 (“Wagga Pakatoa”) Poster Paper: *Cr and CrV at High Temperatures: Spins?* – C. Andrikidis and G.K. White

With the exception of the ‘Wagga’ conference in 1987 which was hosted in New Zealand, Guy attended all of the above conferences. In addition, he also attended ‘Wagga’ in 1993, 1994, 1997, 1998, 2002 to 2004 and 2006 to 2009. Throughout the history of ‘Wagga’, he not only contributed as summarised above, but served on Organising Committees, as Chair of Sessions, Student Oral and Poster Judge on many occasions. ‘Wagga’ was initially called ‘The Australian Institute of Physics Solid State Physics Meeting’, a name which by 2003 had evolved to ‘The A&NZIP Condensed Matter and Materials Meeting’, consistent with changing trends in Guy’s discipline of Condensed Matter Physics