

1. Crystal and molecular structure of mercuriobis(pentacarbonylmanganese), $\text{Hg}[\text{Mn}(\text{CO})_5]_2$
W. Clegg and P. J. Wheatley.
J. Chem. Soc. (A), 1971, 3572–3574.

2. X-ray crystal structure of bis(pentacarbonylmanganese)-2,2':6',2''-terpyridylcadmium
 $\text{C}_{15}\text{H}_{11}\text{N}_3\text{Cd}[\text{Mn}(\text{CO})_5]_2$
W. Clegg and P. J. Wheatley.
J. Chem. Soc. Chem. Commun., 1972, 760–761.

3. Biblical miracles
W. Clegg.
Christian Graduate 1972, **25**, 121–124.

4. Crystal structure of μ -(2,2':6',2''-terpyridylcadmium)-bis(pentacarbonylmanganese)(2Cd–Mn)
W. Clegg and P. J. Wheatley.
J. Chem. Soc. Dalton Trans. 1973, 90–94.

5. Crystal structure of μ -[di-(2-methoxyethyl)ethercadmio]-bis(pentacarbonylmanganese)(2Cd–Mn)
W. Clegg and P. J. Wheatley.
J. Chem. Soc. Dalton Trans. 1974, 424–428.

6. Crystal structures of μ -[2,2'-bipyridylcadmium]-bis(pentacarbonylmanganese)(2Cd–Mn) and
 μ -[1,10-phenanthrolinecadmium]-bis(pentacarbonylmanganese)(2Cd–Mn)
W. Clegg and P. J. Wheatley.
J. Chem. Soc. Dalton Trans. 1974, 511–517.

7. The formation of 4-thio-L-arabinofuranose derivatives by ring contraction of 1,2-O-isopropylidene-3,4-di-O-methanesulphonyl-5-thio- α -D-xylopyranose
W. Clegg, N. A. Hughes and C. J. Wood.
J. Chem. Soc. Chem. Commun. 1975, 300.

8. 5-Chloro-5-deoxy-1,2-O-isopropylidene-3-methanesulphonyl-4-thio- β -L-arabinofuranose
W. Clegg.
Acta Cryst. 1975, **B31**, 2722–2724.

9. Crystal structure and vibrational spectroscopy of hexa-amminechromium(III) pentachloromercurate(II)
W. Clegg, D. A. Greenhalgh and B. P. Straughan.
J. Chem. Soc. Dalton Trans. 1975, 2591–2593.

10. Crystal structure of bis(μ -bis(trifluoromethyl)phosphido)-hexacarbonyldiiron, $\text{Fe}_2(\text{CO})_6[\mu\text{-P}(\text{CF}_3)_2]_2$
W. Clegg.
Inorg. Chem. 1976, **15**, 1609–1613.

11. 2,2'-Bipyridyltriphenylphosphinegold(I) hexafluorophosphate
W. Clegg.
Acta Cryst. 1976, **B32**, 2712–2714.

12. Tricaesium tetrachloromercurate(II) chloride
W. Clegg, M. L. Brown and L. J. A. Wilson.
Acta Cryst. 1976, **B32**, 2905–2906.

13. Hexaamminechromium(III) tetrachlorozincate(II) chloride
W. Clegg.
Acta Cryst. 1976, **B32**, 2907–2909.

14. Crystal structure of bis[μ -bis(trifluoromethyl)phosphido]-tetranitrosyldiiron, $\text{Fe}_2(\text{NO})_4[\mu\text{-P}(\text{CF}_3)_2]_2$
W. Clegg.
Inorg. Chem. 1976, **15**, 2928–2931.

15. Bis(dimethylphenylphosphine)trichlorostannioiodine
W. Clegg.
Acta Cryst. 1978, **B34**, 278–281.
16. Di- μ -chloro-bis(tetracarbonylmanganese)
W. Clegg and S. Morton.
Acta Cryst. 1978, **B34**, 1707–1709.
17. Complexes of 2-chloroethoxybis(trifluoromethyl)phosphine with carbonyls of manganese, iron, and cobalt
W. Clegg and S. Morton.
J. Chem. Soc. Dalton Trans. 1978, 1452–1454.
18. Hexaamminechromium(III) aquapentachloromanganate(II)
W. Clegg.
Acta Cryst. 1978, **B34**, 3328–3330.
19. Methyl benzylpenicillinate: a penicillin rearrangement product
W. Clegg.
Acta Cryst. 1978, **B34**, 3460–3462.
20. *Cis*- and *trans*-arrangements of bis- μ -acetato groups in molybdenum(II) dimers: crystal structures of $\text{Mo}_2(\text{O}_2\text{CMe})_2(\text{MeCOCHCOMe})_2$ and $(\text{Ph}_4\text{As})_2[\text{Mo}_2(\text{O}_2\text{CMe})_2\text{Cl}_4] \cdot 2\text{MeOH}$
C. D. Garner, S. Parkes, I. B. Walton and W. Clegg.
Inorg. Chim. Acta 1978, **31**, L451–L452.

21. An unusual case of acetal formation; 1,2:4,6- and 2,3:4,6-di-*O*-isopropylidene-5-thio- α -D-glucopyranoses and the X-ray crystal structure of the latter compound
W. Clegg, N. A. Hughes and N. Al-Masoudi.
J. Chem. Soc. Chem. Commun. 1979, 320–321.
22. Preparation and isomerism of bis[μ -(trifluoromethyl)phosphido]-hexacarbonyldiiron, $\text{Fe}_2(\text{CO})_6\{\mu\text{-P}(\text{CF}_3)(\text{H})\}_2$. Crystal structure of the *trans* isomer
W. Clegg and S. Morton.
Inorg. Chem. 1979, **18**, 1189–1192.
23. Preparation and characterization of tetraphenylarsonium *trans*-bis(μ -acetato)tetrachlorodimolybdate(II) disolvates, $[(\text{C}_6\text{H}_5)_4\text{As}]_2[\text{Mo}_2(\text{O}_2\text{CCH}_3)_2\text{Cl}_4] \cdot 2\text{L}$ (L = H_2O or CH_3OH)
W. Clegg, C. D. Garner, S. Parkes and I. B. Walton.
Inorg. Chem. 1979, **18**, 2250–2255.
24. Preparation and molecular structure of 1,3,5,7-tetraaza-2,4,6,8-tetrasilabicyclo[3.3.0]octane
W. Clegg, H. Hluchy, U. Klingebiel and G. M. Sheldrick.
Z. Naturforsch. 1979, **34b**, 1260–1263.
25. 3-*tert*-Butyl-5-methyl-2,3-diphenyl-1,2-diaza-3-sila-5-cyclopentene
W. Clegg, M. Noltemeyer and G. M. Sheldrick.
Acta Cryst. 1979, **B35**, 2243–2244.

26. Potassium dicyanoaurate(I)-2,2'-bipyridyl
P. G. Jones, W. Clegg and G. M. Sheldrick.
Acta Cryst. 1980, **B36**, 160–162.

27. Stereocontrolled intramolecular Diels-Alder reaction of heterodienes; studies on the synthesis of cannabinoids
L.-F. Tietze, G. v. Kiedrowski, K. Harms, W. Clegg and G. M. Sheldrick.
Angew. Chem. Int. Ed. Engl. 1980, **19**, 134–135.
28. 1,3-Migration of silyl groups in the Si₂NSiN system – synthesis and molecular structure of 1,3-diaza-2,4-disilacyclobutanes
W. Clegg, U. Klingebiel, C. Krampe and G. M. Sheldrick.
Z. Naturforsch. 1980, **35b**, 275–281.
29. Crystal structure and u.v. photoelectron spectra of tetrakis-(6-methyl-2-oxopyridinato)dirhodium
M. Berry, C. D. Garner, I. H. Hillier, A. A. MacDowell and W. Clegg.
J. Chem. Soc. Chem. Commun. 1980, 494–495.
30. Crystal and molecular structure of [N(CH₃)₄]₂[Mo₂O₂S₂(S₂)₂]: a compound with two S₂²⁻ ligands
W. Clegg, N. Mohan, A. Müller, A. Neumann, W. Rittner and G. M. Sheldrick.
Inorg. Chem. 1980, **19**, 2066–2069.
31. Tetrakis[μ-(6-methyl-2-pyridinolato)]-dirhodium
W. Clegg.
Acta Cryst. 1980, **B36**, 2437–2439.
32. 2,4,6-Trifluoro-1,3,5-trimethyl-2,4,6-triphenylcyclotrisilazane
W. Clegg, M. Noltemeyer, G. M. Sheldrick and N. Vater.
Acta Cryst. 1980, **B36**, 2461–2462.
33. Stereochemical control of axial binding for dirhodium(II) complexes
M. Berry, C. D. Garner, I. H. Hillier and W. Clegg.
Inorg. Chim. Acta 1980, **45**, L209–L210.
34. (8→5) Contraction of the eight-membered ring of S₄N₄O₂
H. W. Roesky, M. Witt, W. Clegg, W. Isenberg, M. Noltemeyer and G. M. Sheldrick.
Angew. Chem. Int. Ed. Engl. 1980, **19**, 943–944.
35. Bis(tetraethylammonium) di-μ-sulphido-bis[oxo(disulphido)molybdenum]
W. Clegg, G. M. Sheldrick, C. D. Garner and G. Christou.
Acta Cryst. 1980, **B36**, 2784–2786.
36. 3-[Bis(trimethylsilyl)aminofluoro(methyl)silyl]-2,2,4,4,6,8,8-heptamethyl-5,7-bis(trimethylsilyl)-1,3,5,7-tetraaza-2,4,6,8-tetrasilabicyclo[4.2.0]octane
W. Clegg.
Acta Cryst. 1980, **B36**, 2830–2832.
37. Ring contraction in the cyclotrisilazane system – synthesis and molecular structures of silyl-bridged cyclodisilazanes
W. Clegg, M. Hesse, U. Klingebiel, G. M. Sheldrick and L. Skoda.
Z. Naturforsch. 1980, **35b**, 1359–1365.
38. Synthesis of cyclic hydroxylamines: crystal structure of [(Me₃C)₂SiONH]₂
D. Bentmann, W. Clegg, U. Klingebiel and G. M. Sheldrick.
Inorg. Chim. Acta 1980, **45**, L229–L230.
39. *trans*-Bis(6-methyl-2-pyridinolato)bis(triphenylphosphine)ruthenium(II)
W. Clegg, M. Berry and C. D. Garner.
Acta Cryst. 1980, **B36**, 3110–3112.

40. Tetrakis[μ -(6-methyl-2-pyridinolato)]-diruthenium (dichloromethane solvate)
W. Clegg.
Acta Cryst. 1980, **B36**, 3112–3114.
41. (2*S*,6*aR*,9*R*,10*aR*)-6,6,9-Trimethyl-1-oxo-2-phenylseleno-1,2,3,4,6*a*,7,8,9,10,10*a*-decahydro-6*H*-dibenzo[*b,d*]pyran
W. Clegg, K. Harms, G. M. Sheldrick, G. v. Kiedrowski and L.-F. Tietze.
Acta Cryst. 1980, **B36**, 3159–3162.
42. Dodeca(phenylsilasesquioxane)
W. Clegg, G. M. Sheldrick and N. Vater.
Acta Cryst. 1980, **B36**, 3162–3164.
43. Molecular and crystal structure of 1,5-dichloro-3,7-bis(trifluoromethyl)-4,8-bis(2',6'-dimethylphenyl)-2,6,9-trioxo-4,8-diaza-1,5-diborabicyclo[3.3.1]nonadiene
W. Clegg, M. Noltemeyer, G. M. Sheldrick, W. Maringgele and A. Meller.
Z. Naturforsch. 1980, **35b**, 1499–1502.
44. Reactions of the cyclotrisilazane system – synthesis and molecular structure of a 1,3,5,7-tetraaza-2,4,6,8-tetrasilabicyclo[4.2.0]octane
W. Clegg, U. Klingebiel, G. M. Sheldrick, L. Skoda and N. Vater.
Z. Naturforsch. 1980, **35b**, 1503–1507.
-
45. Faster data collection without loss of precision. An extension of the learnt profile method
W. Clegg.
Acta Cryst. 1981, **A37**, 22–28.
46. Spectroscopic studies of *trans*-bis(hexafluoroarsenato)tetrakis(thiazyl trifluoride)metal(II) complexes (M = Mn, Fe, Co, Ni, or Cu); crystal structure of the manganese(II) complex: an example of exceptionally short N–S bonds and of AsF₆[−] as a unidentate ligand
B. Buss, W. Clegg, G. Hartmann, P. G. Jones, R. Mews, M. Noltemeyer and G. M. Sheldrick.
J. Chem. Soc. Dalton Trans. 1981, 61–63.
47. Diruthenium(II) tetrakis-6-methyl-2-oxypyridine, [Ru₂(mhp)₄], and comparisons of the metal–metal bonding in [M₂(mhp)₄] (M = Mo, Ru or Rh) complexes
M. Berry, C. D. Garner, I. H. Hillier, A. A. MacDowell and W. Clegg.
Inorg. Chim. Acta 1981, **53**, L61–L63.
48. Crystal structures of thionitrosyl hexafluoroantimonate(V) and thionitrosyl undecafluorodiantimonate(V) at 293 K and of thionitrosyl undecafluorodiantimonate(V) at 121.5 K: the effect of thermal motion on the apparent NS bond length
W. Clegg, O. Glemser, K. Harms, G. Hartmann, R. Mews, M. Noltemeyer and G. M. Sheldrick.
Acta Cryst. 1981, **B37**, 548–552.
49. Difluorosilanediy-1,1'-bis(2,2,4,4,6,6-hexamethylcyclotrisilazane)
W. Clegg, M. Noltemeyer, G. M. Sheldrick and N. Vater.
Acta Cryst. 1981, **B37**, 986–987.
50. Bis[di-*tert*-butyl(*tert*-butylamino)silyl]acetylene
W. Clegg, U. Klingebiel, J. Neemann, G. M. Sheldrick and N. Vater.
Acta Cryst. 1981, **B37**, 987–989.
51. A 2,3,9,10-tetraaza-1,6,8,12-tetrasiladispiro[4.1.4.1]dodeca-3,10-diene *via* dimerization of a heterocycle with exocyclic Si=C double-bond
W. Clegg, U. Klingebiel, S. Pohlmann, G. M. Sheldrick and P. Werner.
Angew. Chem. Int. Ed. Engl. 1981, **20**, 383–384.

52. Synthesis and crystal structure of a dimeric 1,2-diaza-3-sila-3,5-cyclopentadiene
W. Clegg, U. Klingebiel, G. M. Sheldrick and P. Werner.
Angew. Chem. Int. Ed. Engl. 1981, **20**, 384–385.
53. The learnt-profile method in four-circle diffractometry: the variation of reflexion peak width
W. Clegg.
Acta Cryst. 1981, **A37**, 437.
54. Least-squares refinement of unit-cell parameters from precession photographs
W. Clegg.
Acta Cryst. 1981, **A37**, 437–438.
55. Corrections to equations in §3 of International Tables for X-Ray Crystallography, Vol. IV
W. Clegg.
Acta Cryst. 1981, **A37**, 438.
56. Structure and chemical bonding in dimethylacetamide compounds of the acids HPF_6 , HAsF_6 and HSbF_6
P. Behmel, W. Clegg, G. M. Sheldrick, G. Weber and M. Ziegler.
J. Mol. Struct. 1981, **74**, 19–28.
57. $[\text{Mo}_2\text{S}_{10}]^{2-}$, a complex with terminal sulfido, bridging sulfido, persulfido, and tetrasulfido groups
W. Clegg, G. Christou, C. D. Garner and G. M. Sheldrick.
Inorg. Chem. 1981, **20**, 1562–1566.
58. Coordination of dimethyl(thionitroso)amine to pentacarbonylchromium *via* the sulfur atom
H. W. Roesky, R. Emmert, W. Clegg, W. Isenberg and G. M. Sheldrick.
Angew. Chem. Int. Ed. Engl. 1981, **20**, 591–592.
59. 2,3:4,6-Di-*O*-isopropylidene-5-thio- α -D-glucopyranose
W. Clegg.
Acta Cryst. 1981, **B37**, 1319–1321.
60. Considerations of efficiency and precision in four-circle diffractometry
W. Clegg.
Acta Cryst. 1981, **A37**, C313–C314.
61. Synthesis and structure of a non-polymeric molecule containing eleven alternating sulfur and nitrogen atoms
M. Witt, H. W. Roesky, M. Noltemeyer, W. Clegg, M. Schmidt and G. M. Sheldrick.
Angew. Chem. Int. Ed. Engl. 1981, **20**, 974–975.
62. Cell reduction and lattice symmetry determination
W. Clegg.
Acta Cryst. 1981, **A37**, 913–915.
63. $(\text{Ph}_4\text{P})_2[\text{CuCN}(\text{MoS}_4)]$ and $(\text{Me}_4\text{N})_2(\text{CuCN})_2\text{MoS}_4$: thiomolybdate ligands on the Cu atoms of a CuCN molecule and a zigzag-CuCN chain
A. Müller, M. Dartmann, C. Römer, W. Clegg and G. M. Sheldrick.
Angew. Chem. Int. Ed. Engl. 1981, **20**, 1060–1061.
64. Synthesis and molecular structures of 1,3-diaza-2,4-disilacylobutanes
W. Clegg, U. Klingebiel, G. M. Sheldrick and N. Vater.
Z. Anorg. Allg. Chem. 1981, **482**, 88–94.
-

65. Deviations from ideal trigonal-bipyramidal geometry in the $[\text{HgCl}_5]^{3-}$ anion: crystal structures of two complex salts
W. Clegg.
J. Chem. Soc. Dalton Trans. 1982, 593–595.
66. Cyclisation reactions of lithiated fluorosilanols and aminofluorosiloxanes – cross-dimerisation of a silicenium-ylid
W. Clegg, U. Klingebiel and G. M. Sheldrick.
Z. Naturforsch. 1982, **37b**, 423–431.
67. Preparation and crystal structure of tetracopper(I) tetrakis(6-methyl-2-oxypyridine), $[\text{Cu}_4(\text{mhp})_4]$
M. Berry, W. Clegg, C. D. Garner and I. H. Hillier.
Inorg. Chem. 1982, **21**, 1342–1345.
68. 2,2,4,4,6,6-Hexa-*tert*-butylcyclotrisiloxane
W. Clegg.
Acta Cryst. 1982, **B38**, 1648–1649.
69. A spirocyclic diphosphirane
W. Clegg, M. Haase, M. Hesse, U. Klingebiel and G. M. Sheldrick.
Angew. Chem. Int. Ed. Engl. 1982, **21**, 445. *Supplement*, 1009–1015.
70. Preparation and structural characterization of dipalladium(II) tetrakis(6-methyl-2-oxypyridine), $[\text{Pd}_2(\text{mhp})_4]$
W. Clegg, C. D. Garner and M. H. Al-Samman.
Inorg. Chem. 1982, **21**, 1897–1901.
71. Review of methods for the determination of crystal orientation and unit cells in X-ray single-crystal diffractometry
W. Clegg.
Fresenius Z. Anal. Chem. 1982, **312**, 22–23.
72. Profile analysis in single-crystal diffractometry
W. Clegg.
Fresenius Z. Anal. Chem. 1982, **312**, 23.
73. Formation of metal–metal bonds and conversion of the metal aggregate $\{\text{Mo}_4(\text{S}_2)_4(\text{S}'_2)_2\}$ by atom-transfer and redox reactions at nonequivalent ligands; $[\text{Mo}_4\text{S}_4(\text{NO})_4(\text{CN})_8]^{8-}$, an anion with a central cubane-like unit
A. Müller, W. Eltzner, W. Clegg and G. M. Sheldrick.
Angew. Chem. Int. Ed. Engl. 1982, **21**, 536–537. *Supplement*, 1177–1185.
74. Synthesis and crystal structure of $(\text{S}_3\text{N}_3\text{O}_4)_2\text{S}$, a compound with two six-membered rings bridged by a sulphur atom
H. W. Roesky, W. Clegg, J. Schimkowiak, M. Schmidt, M. Witt and G. M. Sheldrick.
J. Chem. Soc. Dalton Trans. 1982, 2117–2118.
75. 1,1,1,1,2,2,2,3,3,3-Decacarbonyl-2,3- μ -hydrido-2,3- μ -(α - β - η : α - σ -styryl)-*triangulo*-triosmium
R. J. Goudsmit, B. F. G. Johnson, J. Lewis, P. R. Raithby and W. Clegg.
Acta Cryst. 1982, **B38**, 2689–2691.
76. Preparation and crystal structure of cyclic dithiooxamides
H. W. Roesky, H. Hofmann, W. Clegg, M. Noltemeyer and G. M. Sheldrick.
Inorg. Chem. 1982, **21**, 3798–3800.

77. Structure of bis(tetraphenylarsonium) hexamolybdate(VI)
W. Clegg, G. M. Sheldrick, C. D. Garner and I. B. Walton.
Acta Cryst. 1982, **B38**, 2906–2909.
78. A random reflexion search method in four-circle diffractometry
W. Clegg.
Z. Krist. 1982, **160**, 245–248.
79. Crystal structure of phenyl- β -D-glucopyranoside dihydrate
P. G. Jones, G. M. Sheldrick, W. Clegg, A. J. Kirby and R. Glenn.
Z. Krist. 1982, **160**, 269–274.
80. The crystal structures of $\text{KCd}(\text{N}_3)_3 \cdot \text{H}_2\text{O}$ and $\text{K}_2\text{Cd}(\text{N}_3)_4$
W. Clegg, H. Krischner, A. I. Saracoglu and G. M. Sheldrick.
Z. Krist. 1982, **161**, 307–313.
-
81. Cyclisation of (fluorosilyl)phosphanes to 1,3-diphospha-2,4-disilacyclobutanes – crystal structure determinations
W. Clegg, M. Haase, U. Klingebiel and G. M. Sheldrick.
Chem. Ber. 1983, **116**, 146–151.
82. On the existence of a silaolefin: synthesis and crystal structures of Wittig and Diels-Alder products in reactions of lithiated (fluorosilyl)diazadisilacyclopentenes with benzaldehyde and methacrolein
W. Clegg, O. Graalman, M. Haase, U. Klingebiel, G. M. Sheldrick, P. Werner, G. Henkel and B. Krebs.
Chem. Ber. 1983, **116**, 282–289.
83. Synthesis of cyclic silylhydrazines – crystal structure of a five-membered cross dimerisation product
W. Clegg, M. Haase, H. Hluchy, U. Klingebiel and G. M. Sheldrick.
Chem. Ber. 1983, **116**, 290–298.
84. Refinement of cell and orientation parameters in four-circle diffractometry: the selection of orientation parameters
W. Clegg.
Acta Cryst. 1983, **A39**, 170–171.
85. The synthesis of $[\text{Ru}_5\text{C}(\text{CO})_{15}]$ by the carbonylation of $[\text{Ru}_6\text{C}(\text{CO})_{17}]$ and the reactions of the pentanuclear cluster with a variety of small molecules: the X-ray structure analyses of $[\text{Ru}_5\text{C}(\text{CO})_{15}]$, $[\text{Ru}_5\text{C}(\text{CO})_{15}(\text{MeCN})]$, $[\text{Ru}_5\text{C}(\text{CO})_{14}(\text{PPh}_3)]$, $[\text{Ru}_5\text{C}(\text{CO})_{13}(\text{PPh}_3)_2]$, and $[\text{Ru}_5(\mu\text{-H})_2\text{C}(\text{CO})_{12}\{\text{Ph}_2\text{P}(\text{CH}_2)_2\text{PPh}_2\}]$
B. F. G. Johnson, J. Lewis, J. N. Nicholls, J. Puga, P. R. Raithby, M. J. Rosales, M. McPartlin and W. Clegg.
J. Chem. Soc. Dalton Trans. 1983, 277–290.
86. Tetrakis(tetrasulphur tetranitrogen dioxide)silver hexafluoroarsenate(V)
H. W. Roesky, M. Thomas, H. G. Schmidt, W. Clegg, M. Noltemeyer and G. M. Sheldrick.
J. Chem. Soc. Dalton Trans. 1983, 405–407.
87. 4-Chloro-1,2,3,5-dithiadiazolium salts
H.-U. Höfs, R. Mews, W. Clegg, M. Noltemeyer, M. Schmidt and G. M. Sheldrick.
Chem. Ber. 1983, **116**, 416–423.
88. *N,N'*-Dihalogenoethanediimidoyl difluorides
A. Waterfeld, W. Isenberg, R. Mews, W. Clegg and G. M. Sheldrick.
Chem. Ber. 1983, **116**, 724–731.

89. The synthesis of the first hexaruthenium nitrosyl cluster species; X-ray analysis of $\text{Ru}_6\text{C}(\text{CO})_{14}(\text{NO})_2$ and $\text{Ru}_6\text{C}(\text{CO})_{15}(\text{NO})(\text{AuPPh}_3)$
B. F. G. Johnson, J. Lewis, W. J. H. Nelson, J. Puga, P. R. Raithby, D. Braga, M. McPartlin and W. Clegg.
J. Organomet. Chem. 1983, **243**, C13–C16.
90. Preparation and crystal structure of some $\text{MSb}_5\text{O}_{13}$ compounds ($\text{M} = \text{H}_3\text{O}, \text{Na}, \text{K}$)
D. Bodenstein, W. Clegg, G. Jäger, P. G. Jones, H. Rumpel, E. Schwarzmann and G. M. Sheldrick.
Z. Naturforsch. 1983, **38b**, 172–176.
91. Attack by a lithiated aminofluorosilane on the C–O bond of $\text{Cr}(\text{CO})_6$; formation of isonitrile complexes
W. Clegg, U. Klingebiel and G. M. Sheldrick.
Z. Naturforsch. 1983, **38b**, 260–261.
92. Structure of 1,1'-fluoroboranediybis(3-fluorodimethylsilyl-2,2,4,4,6,6-hexamethylcyclotrisilazane), $\text{C}_{16}\text{H}_{50}\text{BF}_3\text{N}_6\text{Si}_8$
W. Clegg.
Acta Cryst. 1983, **C39**, 387–389.
93. Preparation, crystal structure, and spectroscopic studies of $[\text{NPr}^n_4]_2[(\text{PhS})\text{CuS}_2\text{MoS}_2]$ and $[\text{N}\{\text{Pr}^n_4\}_2](\text{PhS})\text{CuS}_2\text{MoS}_2\text{Cu}(\text{SPh})$, containing benzenethiolatocopper(I)-tetrathiomolybdate(VI) complex anions
S. R. Acott, C. D. Garner, J. R. Nicholson and W. Clegg.
J. Chem. Soc. Dalton Trans. 1983, 713–719.
94. Preparation and X-ray crystal structure of $[(\text{OC})_3\text{Mo}\{\text{P}_2[\text{MeNC}(\text{O})\text{NMe}]_2\}_3\text{Mo}(\text{CO})_3]$
H. W. Roesky, D. Amirzadeh-Asl, W. Clegg, M. Noltemeyer and G. M. Sheldrick.
J. Chem. Soc. Dalton Trans. 1983, 855–856.
95. Structure of bis(tetraphenylphosphonium) tris[chlorocopper(I)]tetrathiomolybdate(VI) methyl cyanide solvate, $[\text{Ph}_4\text{P}]_2[\text{MoS}_4(\text{CuCl})_3] \cdot \text{CH}_3\text{CN}$
W. Clegg, C. D. Garner and J. R. Nicholson.
Acta Cryst. 1983, **C39**, 552–554.
96. Ligation by a *cis*-dithio-molybdenum(VI) moiety: preparation and crystal structure of $[\{\text{piperidine-}N\text{-oxide}(1-)\}_2\text{Mo}-(\mu_2\text{-S})_2\text{Cu}-\mu_2\text{-Cl}\}_2]$
S. Bristow, C. D. Garner and W. Clegg.
Inorg. Chim. Acta 1983, **76**, L261–L262.
97. Cobalt(II) complexes of 6-methyl-2-oxypyridine (mhp): crystal structure of $\text{Co}_{12}(\text{OH})_6(\text{O}_2\text{CCH}_3)_6(\text{mhp})_{12}$
W. Clegg, C. D. Garner and M. H. Al-Samman.
Inorg. Chem. 1983, **22**, 1534–1538.
98. Stabilisation of silicenium ylids by adduct formation with aluminium trihalides: the crystal structure of $[(\text{Me}_3\text{C})_2\text{SiNCMe}_3]_2\text{AlClF}_2$
W. Clegg, U. Klingebiel, J. Neemann and G. M. Sheldrick.
J. Organomet. Chem. 1983, **249**, 47–54.
99. Structure and reactivity of the anionic alkeneosmium cluster, $[1,1,1,2,2,2,3,3,3,3\text{-decacarbonyl-2-bromo-1-}\eta_2\text{-trans-1,1,1,4,4,4-hexafluorobut-2-ene-triangulo-triosmium}]^-$: X-ray crystal structures of $[(\text{Ph}_3\text{P})_2\text{N}][\text{Os}_3(\text{CO})_{10}\{\text{CF}_3(\text{H})\text{C}=\text{C}(\text{H})\text{CF}_3\}\text{Br}]$, $[(\text{Ph}_3\text{P})_2\text{N}][\text{Os}_3(\text{CO})_9\{\text{CF}_3(\text{H})\text{C}=\text{C}(\text{H})\text{CF}_3\}(\mu\text{-Br})]$, and $[\text{HOs}_3(\text{CO})_9\{\text{CF}_3(\text{H})\text{C}=\text{C}(\text{H})\text{CF}_3\}(\mu\text{-Br})]$
Z. Dawoodi, M. J. Mays, P. R. Raithby, K. Henrick, W. Clegg and G. Weber.
J. Organomet. Chem. 1983, **249**, 149–164.

100. Azomethine derivatives. Part 20. Crystal and molecular structures of the lithioketimine [$\{\text{Li}(\text{N}=\text{C}(\text{N}(\text{Me})_2)\}_6\}$] and lithioguanidine [$\{\text{Li}[\text{N}=\text{C}(\text{N}(\text{Me})_2)_2]\}_6\}$]; electron-deficient bridging of Li_3 triangles by methyleneamino nitrogen atoms.
W. Clegg, R. Snaith, H. M. M. Shearer, K. Wade and G. Whitehead.
J. Chem. Soc. Dalton Trans. 1983, 1309–1317.
101. Structure of 1,1,3,3-tetraisopropyl-1,3-disiloxanediol, $\text{C}_{12}\text{H}_{30}\text{O}_3\text{Si}_2$
W. Clegg.
Acta Cryst. 1983, **C39**, 901–903.
102. Synthesis and hydrolysis of a fluorosilyl-*t*-butylaminodichloroalane. Crystal structures of the cyclic compounds $[(\text{Me}_3\text{SiNMe})_2\text{SiNCMe}_3]_2$ and $(\text{Me}_3\text{CNHAlCl}_2)_2$
W. Clegg, M. Haase, U. Klingebiel, J. Neemann and G. M. Sheldrick.
J. Organomet. Chem. 1983, **251**, 281–287.
103. The one-electron oxidation of diazasilacyclopentenes
O. Graalman, M. Hesse, U. Klingebiel, W. Clegg, M. Haase and G. M. Sheldrick.
Angew. Chem. Int. Ed. Engl. 1983, **22**, 621–622. *Supplement*, 874–886.
104. Structure of tris(tetraphenylphosphonium) tris[chlorocopper(I)]oxotrithiomolybdate(VI) dichlorocuprate(I), $[\text{Ph}_4\text{P}]_3[\text{MoOS}_3(\text{CuCl})_3][\text{CuCl}_2]$
W. Clegg, C. D. Garner, J. R. Nicholson and P. R. Raithby.
Acta Cryst. 1983, **C39**, 1007–1009.
105. Structures of 2,9-di-*tert*-butyl-1,1,4,6,8,8,11,12-octamethyl-6,12-diphenyl-2,3,9,10-tetraaza-1,6,8,12-tetrasiladispiro[4.1.4.1]dodeca-3,10-diene, $\text{C}_{32}\text{H}_{52}\text{N}_4\text{Si}_4$, (1), and 1,6-bis[bis(trimethylsilyl)amino]-3,5,8,10-tetramethyl-4,5,9,10-tetraaza-1,6-disilatricyclo[5.3.0.0^{2,6}]deca-3,8-diene, $\text{C}_{20}\text{H}_{50}\text{N}_6\text{Si}_6$, (2)
W. Clegg.
Acta Cryst. 1983, **C39**, 1106–1108.
106. Steric and crystal-packing effects on the molecular structures of dimetal(II) tetrakis(2-oxypyridine) complexes
W. Clegg, C. D. Garner, L. Akhter and M. H. Al-Samman.
Inorg. Chem. 1983, **22**, 2466–2468.
107. Reaction of triruthenium dodecacarbonyl with nitrobenzene and structure of μ_3 -phenylnitrene-triruthenium decacarbonyl, $[\text{Ru}_3(\text{CO})_{10}(\mu_3\text{-NPh})]$
S. Bhaduri, K. S. Gopalkrishnan, G. M. Sheldrick, W. Clegg and D. Stalke.
J. Chem. Soc. Dalton Trans. 1983, 2339–2341.
108. Synthesis and crystal structure of $[\text{PPh}_4]_2[\text{MoS}_4(\text{CuBr})_4]\cdot\text{Me}_2\text{CO}$; the assembly of four copper(I) centres about a tetrathiomolybdate(VI) moiety
J. R. Nicholson, A. C. Flood, C. D. Garner and W. Clegg.
J. Chem. Soc. Chem. Commun. 1983, 1179–1180.
109. Crystal structure of the complex *cis*-oxobis[piperidine *N*-oxido(1-)-*NO*]thiomolybdenum(VI), containing a *cis*- MoOS^{2+} group
S. Bristow, D. Collison, C. D. Garner and W. Clegg.
J. Chem. Soc. Dalton Trans. 1983, 2495–2499.
110. Towards [6.5]coronane – fivefold cyclobutylmethyl-cyclopentyl rearrangement in a pentaspirohene-icosanol
L. Fitjer, M. Giersig, W. Clegg, N. Schormann and G. M. Sheldrick.
Tetrahedron Lett. 1983, **24**, 5351–5354.

111. $[\text{Ni}(\text{S}_4)_2]^{2-}$, a homoleptic tetrasulfido-nickel(II) complex
A. Müller, E. Krickemeyer, H. Bögge, W. Clegg and G. M. Sheldrick.
Angew. Chem. Int. Ed. Engl. 1983, **22**, 1006–1007.
112. Triply bridged binuclear complexes of oxomolybdenum(V) with thiolate ligands
I. Buchanan, W. Clegg, C. D. Garner and G. M. Sheldrick.
Inorg. Chem. 1983, **22**, 3657–3661.
113. Synthesis of silicon-phosphorus rings – structure of a *cis*-2,2,4,4-tetrakis(silylamino)-1,3-diphospha-2,4-disilacyclobutane
U. Klingebiel, N. Vater, W. Clegg, M. Haase and G. M. Sheldrick.
Z. Naturforsch. 1983, **38b**, 1557–1562.
-
114. Crystal structures of $(\text{Ph}_2\text{C}=\text{NLi}\cdot\text{NC}_5\text{H}_5)_4$ and $[\text{ClLi}\cdot\text{O}=\text{P}(\text{NMe}_2)_3]_4$; discrete tetrameric pseudo-cubane clusters with bridging of Li_3 triangles by nitrogen and by chlorine atoms
D. Barr, W. Clegg, R. E. Mulvey and R. Snaith.
J. Chem. Soc. Chem. Commun. 1984, 79–80.
115. Toluene-*p*-sulphonate as a metal–metal bond bridging ligand; the crystal structure of $[\{\text{Rh}_2(6\text{-methylpyridin-2-olato})_3(p\text{-MeC}_6\text{H}_4\text{SO}_2\text{O})\}_2]\cdot\text{Et}_2\text{O}$
W. Clegg, L. Akhter and C. D. Garner.
J. Chem. Soc. Chem. Commun. 1984, 101–102.
116. X-ray crystal structure of $\{\text{Li}[\text{O}=\text{P}(\text{NMe}_2)_3]_4\}^+ \cdot \{\text{Li}_5[\text{N}=\text{CPh}_2]_6[\text{O}=\text{P}(\text{NMe}_2)_3]\}^-$: a lithium 'ate complex, with a pentanuclear Li_5 clustered-anion having both μ_2 edge and μ_3 face nitrogen to lithium bonding
D. Barr, W. Clegg, R. E. Mulvey and R. Snaith.
J. Chem. Soc. Chem. Commun. 1984, 226–227.
117. Diffractometer control techniques
W. Clegg.
Methods and Applications in Crystallographic Computing, ed. S. R. Hall and T. Ashida, O.U.P., 1984, 19–29.
118. Intensity measurement by diffractometry
W. Clegg.
Methods and Applications in Crystallographic Computing, ed. S. R. Hall and T. Ashida, O.U.P., 1984, 30–40.
119. Trimeric dibenzylamidolithium and its dimeric diethyl ether and hexamethylphosphoramide complexes: structural and theoretical studies of reactive organonitrogen-lithium oligomers
D. Barr, W. Clegg, R. E. Mulvey and R. Snaith.
J. Chem. Soc. Chem. Commun. 1984, 285–287.
120. Evidence for $\text{CH}\cdots\text{Li}$ interactions in the solid state structure of dibenzylamidolithium, and in solutions of it and its complexes: coloured species due to benzyl $\rightarrow$ lithium charge transfer
D. Barr, W. Clegg, R. E. Mulvey and R. Snaith.
J. Chem. Soc. Chem. Commun. 1984, 287–289.
121. Propeller substituents imposing steric restraint on crown ethers
J. C. Lockhart, M. B. McDonnell and W. Clegg.
J. Chem. Soc. Chem. Commun. 1984, 365–367.
122. Structure of 2,2,4,4,6,6-hexa-*tert*-butylcyclotrisilazane, $[(\text{C}_4\text{H}_9)_2\text{SiNH}]_3$
W. Clegg, G. M. Sheldrick and D. Stalke.
Acta Cryst. 1984, **C40**, 433–434.

123. Structure of 1,1'-dimethylsilanediylbis(acetone phenylhydrazone), $C_{20}H_{28}N_4Si$
W. Clegg.
Acta Cryst. 1984, **C40**, 529–531.
124. Dimerisation of a silicenium ylid by methanide and silylamine migration
W. Clegg, U. Klingebiel, G. M. Sheldrick and D. Stalke.
J. Organomet. Chem. 1984, **265**, 17–25.
125. Crystal structure of the pentamethyldiethylenetriamine adduct of 1-lithio-2-methyl-1,2-dicarbo-*closo*-dodecaborane, $Li[C_2B_{10}H_{10}Me][MeN(CH_2CH_2NMe_2)_2]$, a compound containing a lithium atom terminally bonded to a six-coordinate carbon atom
W. Clegg, D. A. Brown, S. J. Bryan and K. Wade.
Polyhedron 1984, **3**, 307–311.
126. The isolation and crystal structure of $[Ph(2-Pyr)NLi] \cdot (HMPA) \cdot [Ph(2-Pyr)NH]$; a model monomeric organonitrogen-lithium species containing co-ordination of lithium by both an anchimeric pyridyl N-atom and by a potentially reactive amine ligand
D. Barr, W. Clegg, R. E. Mulvey and R. Snaith.
J. Chem. Soc. Chem. Commun. 1984, 469–470.
127. Preparation and crystal structure of trichloro(thionitrosyl)bis(triphenylphosphine)osmium, $[Os(NS)Cl_3(PPh_3)_2]$
H. W. Roesky, K. K. Pandey, W. Clegg, M. Noltemeyer and G. M. Sheldrick.
J. Chem. Soc. Dalton Trans. 1984, 719–721.
128. Preparation and crystal structures of two phosphorus-sulphur rings: $(PhP)_3S_3$ and $(PhP)_2S_4$
C. Lensch, W. Clegg and G. M. Sheldrick.
J. Chem. Soc. Dalton Trans. 1984, 723–725.
129. Structure of bis(tetraphenylphosphonium) (dichlorodithioferrato-*S,S'*-disulphidooxomolybdate(2–) methyl cyanide solvate, $[P(C_6H_5)_4]_2[FeCl_2\{MoO(S_2)\}(S)_2] \cdot C_2H_3N$
W. Clegg, C. D. Garner and P. A. Fletcher.
Acta Cryst. 1984, **C40**, 754–756.
130. Structure of tetrakis(*N*-methylimidazole-*N'*)copper(I) perchlorate, $[Cu(C_4H_6N_2)_4][ClO_4]$
W. Clegg, S. R. Acott and C. D. Garner.
Acta Cryst. 1984, **C40**, 768–769.
131. Structures of the *cis* and *trans* isomers of 2,4,6-tri-*tert*-butyl-2,4,6-trifluorocyclotrisilazane, $C_{12}H_{30}F_3N_3Si_3$
W. Clegg, G. M. Sheldrick and D. Stalke.
Acta Cryst. 1984, **C40**, 816–818.
132. Structure of the 1:1 adduct of di-*tert*-butylfluorosilanol and pyridine *N*-oxide, $C_8H_{19}FOSi \cdot C_5H_5NO$
W. Clegg, G. M. Sheldrick, U. Klingebiel, D. Bentmann, G. Henkel and B. Krebs.
Acta Cryst. 1984, **C40**, 819–820.
133. Structure of 1,3-di-*tert*-butyl-2,2,4,4-tetraisopropylcyclodisilazane, $C_{20}H_{46}N_2Si_2$
W. Clegg, M. Haase, G. M. Sheldrick and N. Vater.
Acta Cryst. 1984, **C40**, 871–873.
134. The structural isomers of $\{[Ph(2-pyridyl)NLi] \cdot [O=P(NMe_2)_3]\}_2$: dimeric species with alternative central $(LiN)_2$ and $(LiO)_2$ rings, the latter involving unprecedented neutral bridging oxygen ligands
D. Barr, W. Clegg, R. E. Mulvey and R. Snaith.
J. Chem. Soc. Chem. Commun. 1984, 700–701.

135. Structure of bis- μ_3 -phenylimido-tris(tricarbonylruthenium), $[\text{Ru}_3(\text{C}_6\text{H}_5\text{N})_2(\text{CO})_9]$
W. Clegg, G. M. Sheldrick, D. Stalke, S. Bhaduri and K. S. Gopalkrishnan.
Acta Cryst. 1984, **C40**, 927–929.
136. Structure of a novel μ_3 -oxo- $\text{Fe}^{\text{III}}_2\text{Cr}^{\text{III}}$ -glycine complex
W. Clegg, O. M. Lam and B. P. Straughan.
Angew. Chem. Int. Ed. Engl. 1984, **23**, 434–435.
137. Bis[O-methyl (S)-penicillaminato]-cis-dioxomolybdenum(VI), $[\text{MoO}_2\{(S)\text{-pen-OMe}\}_2]$; structure and spectroscopic studies
I. Buchanan, C. D. Garner and W. Clegg.
J. Chem. Soc. Dalton Trans. 1984, 1333–1342.
138. Preparation, crystal structure, and spectroscopic characterization of $[\text{NEt}_4]_2[\text{Cu}(\text{SPh})_3]$
C. D. Garner, J. R. Nicholson and W. Clegg.
Inorg. Chem. 1984, **23**, 2148–2150.
139. Preparation and crystal structure of nonacarbonyl-di- μ -hydrido- μ_3 -phenylimido-*triangulo*-triruthenium, $[\text{Ru}_3(\mu\text{-H})_2(\text{CO})_9(\mu_3\text{-NPh})]$
S. Bhaduri, K. S. Gopalkrishnan, W. Clegg, P. G. Jones, G. M. Sheldrick and D. Stalke.
J. Chem. Soc. Dalton Trans. 1984, 1765–1767.
140. The refinement of unit cell parameters from two-circle diffractometer measurements
W. Clegg and G. M. Sheldrick.
Z. Krist. 1984, **167**, 23–27.
141. Structure of 2-hydroxyethanethiolatolead(II) nitrate, $\text{Pb}(\text{SCH}_2\text{CH}_2\text{OH})(\text{NO}_3)$, a sheet polymer
W. Clegg, I. L. Abrahams and C. D. Garner.
Acta Cryst. 1984, **C40**, 1367–1369.
142. The isolation and crystal structure of $\{\text{Li}\cdot(\text{H}_2\text{O})_2\cdot[\text{O}=\text{P}(\text{NMe}_2)_3]\}^{2+}\cdot 2\text{Cl}^-$: a $(\text{LiO})_2$ ring compound with bridging neutral oxygen (hexamethylphosphoramide) ligands
D. Barr, W. Clegg, R. E. Mulvey and R. Snaith.
J. Chem. Soc. Chem. Commun. 1984, 974–975.
143. Poly- and spirocyclic silylhydrazones – synthesis and molecular structures
O. Graalman, M. Hesse, U. Klingebiel, W. Clegg, M. Haase and G. M. Sheldrick.
Z. Anorg. Allg. Chem. 1984, **514**, 49–60.
144. Stepwise synthesis of chain and ring siloxanes – crystal structures
O. Graalman, U. Klingebiel, W. Clegg, M. Haase and G. M. Sheldrick.
Chem. Ber. 1984, **117**, 2988–2997.
145. Enhancements of the ‘auto-indexing’ method for cell determination in four-circle diffractometry
W. Clegg.
J. Appl. Cryst. 1984, **17**, 334–336.
146. Synthesis of mixed-metal clusters by the reaction of the unsaturated cluster $[\text{Os}_3(\mu\text{-H})_2(\text{CO})_{10}]$ with transition-metal hydrides: the X-ray crystal structures of $[\text{Os}_3\text{H}_3(\text{CO})_{10}\{\text{Cu}(\text{PPh}_3)\}]$ and $[\text{Os}_3\text{H}_3(\text{CO})_{11}\{\text{Ir}(\text{PPh}_3)\}]$
B. F. G. Johnson, J. Lewis, P. R. Raithby, S. N. Azman, B. Syed-Mustaffa, M. J. Taylor, K. H. Whitmire and W. Clegg.
J. Chem. Soc. Dalton Trans. 1984, 2111–2118.

147. Polyspiranes, 9. Cascade rearrangements, 4. On the usefulness of polyspiranes for entering energy surfaces of polycyclic systems – five- and ninefold 1,2-shifts in a pentaspiro[3.0.2.0.3.0.2.0.3.1]nona-decane
L. Fitjer, W. Kühn, U. Klages, E. Egert, W. Clegg, N. Schormann and G. M. Sheldrick.
Chem. Ber. 1984, **117**, 3075–3092.
148. Preparation and X-ray crystal structure of the complex μ -chloro-bis[bis(imidazole)copper(I)] chloride
W. Clegg, S. R. Acott and C. D. Garner.
J. Chem. Soc. Dalton Trans. 1984, 2581–2583.
149. Orientation matrix refinement during four-circle diffractometer data collection
W. Clegg.
Acta Cryst. 1984, **A40**, 703–704.
150. Structure of μ -amido- μ -formato-bis[tetraamminecobalt(III)] tetrachloride tetrahydrate,
[Co₂NH₂(CHO₂)(NH₃)₈]Cl₄·4H₂O
W. Clegg and A. G. Sykes.
Acta Cryst. 1984, **C40**, 1820–1821.
151. Structure of trisodium bis(nitrilotriacetato)ferrate(III) pentahydrate, Na₃[Fe{N(CH₂CO₂)₃}₂]·5H₂O
W. Clegg, A. K. Powell and M. J. Ware.
Acta Cryst. 1984, **C40**, 1822–1824.
152. Crystal structure of [FeCr₂(μ_3 -O)(CH₃COO)₆(H₂O)₃]FeCl₄·2(CH₃)₂CO·CH₃OH
W. Clegg, O. M. Lam and B. P. Straughan.
Inorg. Chim. Acta 1984, **90**, L75–L76.
153. Crystal structure and catalytic properties of a platinum-iridium mixed cluster,
[Pt₂Ir₂(μ -CO)₃(CO)₄(PPh₃)₃]
S. Bhaduri, K. R. Sharma, W. Clegg, G. M. Sheldrick and D. Stalke.
J. Chem. Soc. Dalton Trans. 1984, 2851–2853.
154. Synthesis of a stable aminosilanol and a lithium aminosilanolate with cubane structure
O. Graalman, U. Klingebiel, W. Clegg, M. Haase and G. M. Sheldrick.
Angew. Chem. Int. Ed. Engl. 1984, **23**, 891–892.
155. Structure of bis(μ_3 -phenylimido)-tris(tricarbonyliron)(2Fe–Fe), [Fe₃(C₆H₅N)₂(CO)₉]
W. Clegg, G. M. Sheldrick, D. Stalke, S. Bhaduri and H. K. Khwaja.
Acta Cryst. 1984, **C40**, 2045–2047.
156. Structure of (di-*tert*-butylmethyleamino)diphenylborane, C₂₁H₂₈BN
W. Clegg, S. J. Bryan and K. Wade.
Acta Cryst. 1984, **C40**, 2082–2084.
157. The *in situ* preparation of 2-sulfidophenolate ligands by copper-catalyzed oxygen insertion into thiophenolates; crystal structure of [PPh₄]₂[Mo₂O₅(SC₆H₄O)₂]
C. D. Garner, J. R. Nicholson and W. Clegg.
Angew. Chem. Int. Ed. Engl. 1984, **23**, 972–973.
158. Functional siloxanes and cyclotetrasiloxanes – molecular structure of a cycloboratrissiloxane
O. Graalman, U. Klingebiel, W. Clegg, M. Haase and G. M. Sheldrick.
Z. Anorg. Allg. Chem. 1984, **519**, 87–95.
159. Crystal structure of caesium tetroxalate dihydrate, Cs(HC₂O₄)(H₂C₂O₄)·2H₂O
W. Clegg.
Z. Krist. 1984, **169**, 211–217.
-

160. Preparation and crystal structure of a carboxylate-bridged linear trinuclear zinc(II) complex
W. Clegg, I. R. Little and B. P. Straughan.
J. Chem. Soc. Chem. Commun. 1985, 73–74.
161. Structural and nuclear magnetic resonance studies of short selenium–nitrogen bonds
H. W. Roesky, K.-L. Weber, U. Seseke, W. Pinkert, M. Noltemeyer, W. Clegg and G. M. Sheldrick.
J. Chem. Soc. Dalton Trans. 1985, 565–571.
162. Preparation, crystal structure, and spectroscopic characterization of the tetranuclear copper–thiolate cluster $[\text{Cu}_4(\text{o}-(\text{SCH}_2)_2\text{C}_6\text{H}_4)_3]^{2-}$ as its $[\text{PPh}_4]^+$ salt
J. R. Nicholson, I. L. Abrahams, W. Clegg and C. D. Garner.
Inorg. Chem. 1985, **24**, 1092–1096.
163. Structure of the isothiocyanate salt of *trans*-aqua(isothiocyanato)-(1,4,8,12-tetraazacyclopentadecane)chromium(III), $[\text{Cr}(\text{NCS})(\text{H}_2\text{O})(\text{C}_{11}\text{H}_{26}\text{N}_4)](\text{NCS})_2$
W. Clegg, P. Leupin, D. T. Richens, A. G. Sykes and E. S. Raper.
Acta Cryst. 1985, **C41**, 530–532.
164. Comparison of the steric barriers in three- and two-bladed propeller crowns
W. Clegg, J. C. Lockhart and M. B. McDonnell.
J. Chem. Soc. Perkin Trans. 1 1985, 1019–1023.
165. Isolation and crystal structure of the cubane-like cluster $[\text{Cr}_4(\text{OH})_4(\text{mhp})_8]$ (mhp = 6-methyl-2-hydroxypyridinate)
L. Akhter, W. Clegg, D. Collison and C. D. Garner.
Inorg. Chem. 1985, **24**, 1725–1728.
166. Crystal and solution structures of $[\text{tBu}_2\text{C}=\text{NLi}\cdot\text{O}=\text{P}(\text{NMe}_2)_3]_n$
D. Barr, W. Clegg, R. E. Mulvey, D. Reed and R. Snaith.
Angew. Chem. Int. Ed. Engl. 1985, **24**, 328–329.
167. Structure of hexaamminecobalt(III) tris(malonato)ferrate(III) pentahydrate,
 $[\text{Co}(\text{NH}_3)_6][\text{Fe}(\text{C}_3\text{H}_2\text{O}_4)_3]\cdot 5\text{H}_2\text{O}$
W. Clegg.
Acta Cryst. 1985, **C41**, 1164–1166.
168. Isolation and crystal structure of $[\text{Rh}(\text{PPh}_3)_3(\text{MeCN})][\text{BF}_4]$,
acetonitriletris(triphenylphosphine)rhodium(I) tetrafluoroborate
G. Pimblett, C. D. Garner and W. Clegg.
J. Chem. Soc. Dalton Trans. 1985, 1977–1980.
169. Crystal structure and spectroscopic and redox properties of the iron–sulphur cluster compound
 $[\text{NEt}_4]_2[\text{Fe}_4\text{S}_4(\text{SC}_6\text{H}_4\text{NH}_2-4)_4]$
T. J. Ollerenshaw, C. D. Garner, B. Odell and W. Clegg.
J. Chem. Soc. Dalton Trans. 1985, 2161–2165.
170. Data collection: avoiding blunders
W. Clegg.
Crystallographic Computing 3: Data Collection, Structure Determination, Proteins, and Databases,
ed. G. M. Sheldrick, C. Krüger and R. Goddard, O.U.P. 1985, 28–32.
171. Structure of a methoxo-bridged dichromium complex
W. Clegg.
Acta Cryst. 1985, **C41**, 1830–1831.

172. The structure of acetomycin. Spectroscopic characterization and X-ray analysis of a bromo derivative
H. Uhr, A. Zeeck, W. Clegg, E. Egert, H. Fuhrer and H. H. Peter.
J. Antibiotics 1985, **38**, 1684–1690.
-
173. Preparation and complexation of polydentate and macrocyclic ligands incorporating benzimidazole. X-ray crystal structure of 6,7,9,10,12,13,15,16-octahydro-23*H*,25*H*-bis(benzimidazo[1,2-*j*:2',1'-*o*])- [1,4,7,13,10,16]tetraoxadiazacyclo-octadecine
W. Clegg, J. C. Lockhart and F. H. Musa.
J. Chem. Soc. Dalton Trans. 1986, 47–53.
174. Bonding implications of interatomic distances and ligand orientations in the iminolithium hexamers [LiN=C(Ph)Bu^t]₆ and [LiN=C(Ph)NMe₂]₆: a stacked-ring approach to these and related oligomeric organolithium systems
D. Barr, W. Clegg, R. E. Mulvey, R. Snaith and K. Wade.
J. Chem. Soc. Chem. Commun. 1986, 295–297.
175. Removal of acetate bridges from Mo₂(O₂CMe)₄: characterization of [Mo₂(O₂CMe)₂(NCMe)₆][BF₄]₂
W. Clegg, G. Pimblett and C. D. Garner.
Polyhedron 1986, **5**, 31–33.
176. The laddering principle in lithium amide chemistry: the crystal and molecular structure of the pyrrolididolithium adduct [H₂ C(CH₂)₃ N C(CH₂)₃ N}Li]₃·MeN(CH₂CH₂NMe₂)₂
D. R. Armstrong, D. Barr, W. Clegg, R. E. Mulvey, D. Reed, R. Snaith and K. Wade.
J. Chem. Soc. Chem. Commun. 1986, 869–870.
177. Synthesis, crystal structure, and spectroscopic properties of [Mo₂(O₂CMe)₂(MeCN)₆][BF₄]₂, [Rh₂(O₂CMe)₂(MeCN)₆][BF₄]₂, and [Rh₂(O₂CMe)₂(MeCN)₄(py)₂][BF₄]₂
G. Pimblett, C. D. Garner and W. Clegg.
J. Chem. Soc. Dalton Trans. 1986, 1257–1263.
178. Zinc carboxylate complexes: structural characterisation of some binuclear and linear trinuclear complexes
W. Clegg, I. R. Little and B. P. Straughan.
J. Chem. Soc. Dalton Trans. 1986, 1283–1288.
179. The chain polymeric structure of zinc(II) crotonate
W. Clegg, I. R. Little and B. P. Straughan.
Acta Cryst. 1986, **C42**, 919–920.
180. Data acquisition in single-crystal diffractometry
W. Clegg.
Crystallographic Computing 86, ed. P. Paufler, V. Geist and D. Klimm, Leipzig University 1986, 1–10.
181. Graphics for small molecules
W. Clegg.
Crystallographic Computing 86, ed. P. Paufler, V. Geist and D. Klimm, Leipzig University 1986, 58–67.
182. Thiol exchange for MO³⁺ (M = Mo or W) centres; synthesis and structure of [PPh₄][MO(SCH₂CH₂S)₂]
S. R. Ellis, D. Collison, C. D. Garner and W. Clegg.
J. Chem. Soc. Chem. Commun. 1986, 1483–1485.
183. Structural comparison of oxobis(benzene-1,2-dithiolato)molybdenum-(V) and -(VI) complexes
S. Boyde, S. R. Ellis, C. D. Garner and W. Clegg.
J. Chem. Soc. Chem. Commun. 1986, 1541–1543.

184. The chain polymeric structure of lead(II) crotonate
W. Clegg, I. R. Little and B. P. Straughan.
Acta Cryst. 1986, **C42**, 1319–1322.
185. Structure of the isothiocyanate salt of *trans*-aqua(isothiocyanato)-
(1,4,8,12-tetraazacyclopentadecane)chromium(III): a centrosymmetric refinement
W. Clegg.
Acta Cryst. 1986, **C42**, 1463–1464.
186. The first crystal structure characterization of an alkali metal monothiocarboxylate, (PhCOSLi·TMEDA)₂
(TMEDA = tetramethylethylenediamine): a chair-shaped eight-membered (COSLi)₂ ring system
D. R. Armstrong, A. J. Banister, W. Clegg and W. R. Gill.
J. Chem. Soc. Chem. Commun. 1986, 1672–1673.
187. Structure of tetrakis[μ-(3,3'-dimethylacrylato)]-bis(ethanol)dicopper(II)
W. Clegg, I. R. Little and B. P. Straughan.
Acta Cryst. 1986, **C42**, 1489–1491.
188. Crystal structure of sodium iodide·(diglyme): an unprecedented bridging role for diglyme
R. E. Mulvey, W. Clegg, D. Barr and R. Snaith.
Polyhedron 1986, **5**, 2109–2111.
189. The synthesis and X-ray structural characterisation of the first mixed alkali metal organonitrogen
molecular cluster LiNa₃[O=P(NMe₂)₃]₃[N=C(NMe₂)₂]₄
W. Clegg, R. E. Mulvey, R. Snaith, G. E. Toogood and K. Wade.
J. Chem. Soc. Chem. Commun. 1986, 1740–1742.
190. Monoclinic anhydrous zinc(II) acetate
W. Clegg, I. R. Little and B. P. Straughan.
Acta Cryst. 1986, **C42**, 1701–1703.
-
191. Preparations, crystal structures, and molybdenum-95 nuclear magnetic resonance spectroscopic studies of
triphenylphosphine–gold–tetrathiomolybdate(VI) clusters
J. M. Charnock, S. Bristow, J. R. Nicholson, C. D. Garner and W. Clegg.
J. Chem. Soc. Dalton Trans. 1987, 303–306.
192. Orthorhombic anhydrous zinc(II) propionate
W. Clegg, I. R. Little and B. P. Straughan.
Acta Cryst. 1987, **C43**, 456–457.
193. Structure and bonding of the lithium tetrahydroborate–tetramethylethylenediamine adduct
(TMEDA·LiBH₄)₂, a centrosymmetric dimer containing doubly and triply bridging hydrogen atoms
D. R. Armstrong, W. Clegg, H. M. Colquhoun, J. A. Daniels, R. E. Mulvey, I. R. Stephenson
and K. Wade.
J. Chem. Soc. Chem. Commun. 1987, 630–632.
194. Structure of tetrakis(tetraphenylphosphonium) octakis[chlorocopper(I)]bis[tetrathiotungstate(VI)]
W. Clegg, C. D. Scattergood and C. D. Garner.
Acta Cryst. 1987, **C43**, 786–787.
195. Redetermination of the structure of tetrakis(acetylacetonato)zirconium(IV)
W. Clegg.
Acta Cryst. 1987, **C43**, 789–791.
196. Structure of bis(tetramethylammonium) oxopentathiocyanatomolybdate(V)
W. Clegg.
Acta Cryst. 1987, **C43**, 791–792.

197. Structures of three glycine-bridged polymeric complexes: $[\text{Mn}(\text{glycine})(\text{H}_2\text{O})_2\text{Cl}_2]$, $[\text{Co}(\text{glycine})(\text{H}_2\text{O})_2\text{Cl}_2]$ and $[\text{Co}(\text{glycine})(\text{H}_2\text{O})_4](\text{NO}_3)_2$
W. Clegg, O. M. Lacy and B. P. Straughan.
Acta Cryst. 1987, **C43**, 794–797.
198. Structure of a photochromic benzoxazine derivative
W. Clegg, N. C. Norman, J. G. Lasch and W. S. Kwak.
Acta Cryst. 1987, **C43**, 804–806.
199. X-ray crystallographic and solution studies of the pentamethyldiethylenetriamine and tetramethylethylenediamine adducts of lithium diphenylphosphide
R. E. Mulvey, K. Wade, D. R. Armstrong, G. T. Walker, R. Snaith, W. Clegg and D. Reed.
Polyhedron 1987, **6**, 987–993.
200. A novel six-vertex coordination polyhedron in the crystal structure of the CuBr_2 complex of 1,6-bis(benzimidazol-2-yl)-2,5-dioxahexane
W. Clegg and J. C. Lockhart.
Polyhedron 1987, **6**, 1149–1151.
201. The ring-stacking principle in organolithium chemistry: its development through the isolation and crystal structures of hexameric iminolithium clusters $(\text{RR}'\text{C}=\text{NLi})_6$ ($\text{R}' = \text{Ph}$, $\text{R} = \text{Bu}^t$ or Me_2N ; $\text{R} = \text{R}' = \text{Me}_2\text{N}$ or Bu^t)
D. R. Armstrong, D. Barr, R. Snaith, W. Clegg, R. E. Mulvey, K. Wade and D. Reed.
J. Chem. Soc. Dalton Trans. 1987, 1071–1081.
202. A structural comparison of bis(quinoxaline-2,3-dithiolato)cuprate complexes
S. Boyde, C. D. Garner and W. Clegg.
J. Chem. Soc. Dalton Trans. 1987, 1083–1087.
203. An unusual double C–H activation of coordinated trimethylphosphine. Synthesis, molecular structure and reactivity of $(\text{C}_5\text{Me}_5)\text{Ta}(\text{PMe}_3)(\text{H})_2(\eta^2\text{-CHPMe}_2)$
T. P. Kee, V. C. Gibson and W. Clegg.
J. Organomet. Chem. 1987, **325**, C14–C18.
204. Preparation and crystal structure of the dicarboranylmagnesium bis(dioxane) adduct $\text{Mg}(2\text{-Me-1,2-C}_2\text{B}_{10}\text{H}_{10})_2 \cdot 2\text{C}_4\text{H}_8\text{O}_2$
W. Clegg, D. A. Brown, S. J. Bryan and K. Wade.
J. Organomet. Chem. 1987, **325**, 39–46.
205. Structure and dynamics of crowns containing the phenyldinaphthylmethane subunit (a three-bladed propeller): observations of correlated rotation of the propeller blades and certain ether segments
J. C. Lockhart, M. B. McDonnell, W. Clegg and M. N. S. Hill.
J. Chem. Soc. Perkin Trans. 1 1987, 639–649.
206. Three model structural types in lithium amide chemistry: the crystal and molecular structures of dimeric $[\text{Ph}(\text{Me})\text{NLi} \cdot \text{TMEDA}]_2$ ($\text{TMEDA} = \text{Me}_2\text{NCH}_2\text{CH}_2\text{NMe}_2$) and monomeric $\text{Ph}(\text{naphthyl})\text{NLi} \cdot \text{PMDETA}$ [$\text{PMDETA} = \text{MeN}(\text{CH}_2\text{CH}_2\text{NMe}_2)_2$], and of $[\text{Ph}(\text{naphthyl})\text{NLi} \cdot \text{TMEDA}]_2$, a ‘loose dimer’
D. Barr, W. Clegg, R. E. Mulvey, R. Snaith and D. S. Wright.
J. Chem. Soc. Chem. Commun. 1987, 716–718.
207. X-ray crystal structures of some lithium aryl thiolates: monomeric $[o\text{-MeC}_6\text{H}_4\text{SLi} \cdot (\text{NC}_5\text{H}_5)_3]$, chain $[\text{PhSLi} \cdot (\text{NC}_5\text{H}_5)_2]_\infty$, and the unique folded ladder of $[\text{PhCH}_2\text{SLi} \cdot \text{NC}_5\text{H}_5]_\infty$ with Li–S rungs
A. J. Banister, W. Clegg and W. R. Gill.
J. Chem. Soc. Chem. Commun. 1987, 850–852.

208. Preparation and crystal structures of $[\text{PPh}_4]_2[\text{M}_2(\text{SPh})_6]$ ($\text{M} = \text{Zn}$ or Cd)
I. L. Abrahams, C. D. Garner and W. Clegg.
J. Chem. Soc. Dalton Trans. 1987, 1577–1579.
209. Structure of dichlorobis(*N*-isopropylideneaniline)palladium(II)
W. Clegg, J. Barker and M. Kilner.
Acta Cryst. 1987, **C43**, 1211–1212.
210. A pentuply-bridging carbonyl group: crystal and molecular structure of a salt of the
1-oxo-2-phenyl-1,2-dicarbadodecaborate(12) anion, $[\text{LH}]^+[\text{O}(\text{Ph})\text{C}_2\text{B}_{10}\text{H}_{10}]^-$
($\text{L} = 1,8\text{-}N,N,N',N'$ -tetramethylnaphthalenediamine)
D. A. Brown, W. Clegg, H. M. Colquhoun, J. A. Daniels, I. R. Stephenson and K. Wade.
J. Chem. Soc. Chem. Commun. 1987, 889–891.
211. A new route to aryltin compounds: orthometallation of Schiff's bases by tin(IV) halides: crystal and
molecular structure of *N*-methyl-*ortho*-trichlorostannyldiphenylmethyleamine,
 $2\text{-Cl}_3\text{SnC}_6\text{H}_4\text{C}(\text{Ph})=\text{NMe}$
W. Clegg, C. M. J. Grievson and K. Wade.
J. Chem. Soc. Chem. Commun. 1987, 969–970.
212. Regioselective ring-opening and dimerisation of methyl 3,3-dimethylcyclopropenecarboxylate
M. S. Baird, H. H. Hussain and W. Clegg.
J. Chem. Soc. Perkin Trans. 1 1987, 1609–1612.
213. Structure and bonding of the tris(diphenylmethyleamino)aluminium dimer $[\text{Al}(\text{NCPh}_2)_3]_2$: relative
strengths of bridging and terminal Al-X bonds in systems $\text{X}_2\text{Al}(\mu_2\text{-X})_2\text{AlX}_2$
S. J. Bryan, W. Clegg, R. Snaith, K. Wade and E. H. Wong.
J. Chem. Soc. Chem. Commun. 1987, 1223–1224.
214. Structure of tetrakis(μ -1,3-benzothiazole-2-thiolato-*N,S*)-diplatinum(II) dimethylformamide solvate
E. S. Raper, A. M. Britton, J. R. Creighton, W. Clegg, M. Hooper and M. Kubiak.
Acta Cryst. 1987, **C43**, 1538–1541.
215. The syntheses and crystal structures of two iminolithium adducts: $(\text{Ph}_2\text{C}=\text{NLi}\cdot\text{NC}_5\text{H}_5)_4$, a tetrameric
pseudo-cubane formed by stacking two $(\text{LiN})_2$ four-membered rings, and
 $[\text{Bu}^t_2\text{C}=\text{NLi}\cdot\text{OP}(\text{NMe}_2)_3]_2$, a dimer prevented sterically from stacking
D. Barr, R. Snaith, W. Clegg, R. E. Mulvey and K. Wade.
J. Chem. Soc. Dalton Trans. 1987, 2141–2147.
216. Isolation of the single cubane-like Re-S-Cu-Cl cluster $[\text{ReS}_4(\text{CuCl})_3\text{Cl}]^{2-}$
C. D. Scattergood, C. D. Garner and W. Clegg.
Inorg. Chim. Acta 1987, **132**, 161–162.
217. Synthesis and X-ray crystal structure of $[\{(\text{C}_5\text{H}_4\text{Me})\text{Fe}(\text{CO})_2\}_2\text{BiCl}]_3$: a compound containing a planar
six-membered Bi_3Cl_3 ring
W. Clegg, N. A. Compton, R. J. Errington and N. C. Norman.
Polyhedron 1987, **6**, 2031–2033.
218. Reactions of $\text{S}_3\text{N}_2\text{Cl}_2$ and $(\text{NSCl})_3$ with a new silylcyanamide reagent $(\text{Me}_3\text{Si})_2\text{N}\cdot\text{CN}$: synthesis and X-ray
crystal structure of $\text{SNSNS:N}\cdot\text{CN}$ and bicyclic CClS_3N_5
A. J. Banister, W. Clegg, I. B. Gorrell, Z. V. Hauptman and R. W. H. Small.
J. Chem. Soc. Chem. Commun. 1987, 1611–1613.
219. On the possible isomerisation pathway for triarylmethanes Ar_3CX , including propeller crowns
W. Clegg and J. C. Lockhart.
J. Chem. Soc. Perkin Trans. 1 1987, 1621–1627.

220. The synthesis of some organo-molybdenum and -tungsten complexes containing bismuth
W. Clegg, N. A. Compton, R. J. Errington and N. C. Norman.
J. Organomet. Chem. 1987, **335**, C1–C5.
221. Structure of di- μ -chloro-bis[trichloro(*p*-tolylimino)tungsten(VI)], [$\{WCl_3(p-CH_3C_6H_4N)\}_2(\mu-Cl)_2$]
W. Clegg and R. J. Errington.
Acta Cryst. 1987, **C43**, 2223–2224.
222. Synthesis and characterisation of $[VS_4(CuPPh_3)_5(CuCl)Cl_2] \cdot CH_2Cl_2$; a compound containing a tetrahedral V^VS_4 core encapsulated by an octahedral array of copper(I) atoms
C. D. Scattergood, P. G. Bonney, J. M. Slater, C. D. Garner and W. Clegg.
J. Chem. Soc. Chem. Commun. 1987, 1749–1750.
-
223. Preparation and crystal structure of a novel lithium thiolate cluster: $[Li_{14}(SCH_2Ph)_{12}S(TMEDA)_6]$
A. J. Banister, W. Clegg and W. R. Gill.
J. Chem. Soc. Chem. Commun. 1988, 131–133.
224. Structure of bis(tetraphenylphosphonium) tris[chlorocopper(I)]oxotrithiotungstate(VI)
W. Clegg, C. D. Scattergood and C. D. Garner.
Acta Cryst. 1988, **C44**, 29–31.
225. Structure of *O*-benzyl-*N,N'*-diisopropyluronium trifluoromethanesulfonate
W. Clegg, S. P. Collingwood, S. M. Hodgson and B. T. Golding.
Acta Cryst. 1988, **C44**, 123–125.
226. Structure of bis(tetraphenylphosphonium) tris[isothiocyanatocopper(I)]oxotrithiomolybdate(VI)
W. Clegg, A. Beheshti and C. D. Garner.
Acta Cryst. 1988, **C44**, 170–172.
227. Structures of tetraphenylphosphonium bis(ethane-1,2-dithiolato)oxorhenium(V) and
tetraphenylphosphonium bis(benzene-1,2-dithiolato)oxorhenium(V)
W. Clegg, S. Boyde and C. D. Garner.
Acta Cryst. 1988, **C44**, 172–174.
228. Tetrakis(1-methylimidazoline-2-thione)- μ_2 -bis(1-methylimidazoline-2-thione)-dicopper(I)
tetrafluoroborate: preparation, thermal analysis and crystal structure
E. S. Raper, J. R. Creighton, D. Robson, J. D. Wilson, W. Clegg and A. Milne.
Inorg. Chim. Acta 1988, **143**, 95–100.
229. Syntheses and solid-state structures of trimeric dibenzylamidolithium and its diethyl ether and
hexamethylphosphoramide dimeric complexes: an explanation of these structures and evidence for
 $Li \cdots CH$ interactions in both solid and solution phases
D. R. Armstrong, R. E. Mulvey, G. T. Walker, D. Barr, R. Snaith, W. Clegg and D. Reed.
J. Chem. Soc. Dalton Trans. 1988, 617–628.
230. A Li_8 cluster of three edge-connected Li_4 tetrahedra held by $Li-N$, $Li \cdots C$, and $Li \cdots Li$ interactions: crystal
structure of $(o-LiC_6H_4CH_2 \cdot NLi \cdot CH_2CH_2NMe_2)_4$ and detection of metal $\cdots$ metal coupling within it
by 7Li COSY N.M.R. spectroscopy
D. Barr, W. Clegg, S. M. Hodgson, R. E. Mulvey, D. Reed, R. Snaith and D. S. Wright.
J. Chem. Soc. Chem. Commun. 1988, 367–369.
231. Structures of four complexes of copper with *N*-methylimidazole and chloro ligands
W. Clegg, J. R. Nicholson, D. Collison and C. D. Garner.
Acta Cryst. 1988, **C44**, 453–461.

232. Structure of hexacarbonylbis(pentamethylcyclopentadienyl)dimolybdenum(*Mo–Mo*)
W. Clegg, N. A. Compton, R. J. Errington and N. C. Norman.
Acta Cryst. 1988, **C44**, 568–570.
233. Structure of bis(tetraethylammonium) [chlorotris{chlorocopper(I)}tetrathiorhenate(VII)]
W. Clegg, C. D. Garner and C. D. Scattergood.
Acta Cryst. 1988, **C44**, 753–755.
234. Sterically crowded cyclohexanes – 8. Synthesis, crystal structure, conformation and dynamics of
pentaspiro[2.0.2.0.2.0.2.0.2.1]hexadecane, pentaspiro[3.0.2.0.3.0.2.0.3.1]nonadecane and
pentaspiro[3.0.3.0.3.0.3.0.3.1]heneicosane
L. Fitjer, U. Klages, D. Wehle, M. Giersig, N. Schormann, W. Clegg, D. S. Stephenson and G. Binsch.
Tetrahedron 1988, **44**, 405–416.
235. Polyspiranes, 14. – Cascade Rearrangements, 9. – Fivefold cyclobutylmethyl-cyclopentyl rearrangement
in a pentaspiro[3.0.3.0.3.0.3.0.3.1]heneicosanol – a key sequence for the synthesis of [6.5]coronane
M. Giersig, D. Wehle, L. Fitjer, N. Schormann and W. Clegg.
Chem. Ber. 1988, **121**, 525–531.
236. The stereo- and regio-chemistry of two cyclopropene–cyclopropene ene-reactions
M. S. Baird, H. H. Hussain and W. Clegg.
J. Chem. Res. (S) 1988, 110–111; *J. Chem. Res. (M)* 1988, 1101–1113.
237. Synthesis and structural characterisation of some cyclopentadienyliron–bismuth complexes
W. Clegg, N. A. Compton, R. J. Errington and N. C. Norman.
J. Chem. Soc. Dalton Trans. 1988, 1671–1678.
238. Zinc carboxylate complexes: structural characterization of the mixed-metal linear trinuclear complexes
M₂Zn₂(crot)₆(base)₂ (M = Mn, Co, Ni, Zn, Cd, Mg, Ca, Sr; crot[−] = crotonate(1[−]); base = quinoline,
6-methylquinoline)
W. Clegg, I. R. Little and B. P. Straughan.
Inorg. Chem. 1988, **27**, 1916–1923.
239. Structural study of compounds containing bonds between transition metals and heavy main group metals
W. Clegg.
Z. Krist. 1988, **322**, 322.
240. Structural studies of Li–N compounds
S. M. Hodgson and W. Clegg.
Z. Krist. 1988, **322**, 349.
241. Structural studies of organomolybdenum complexes containing indium
L. M. Clarkson, W. Clegg, N. C. Norman, A. J. Tucker and P. M. Webster.
Inorg. Chem. 1988, **27**, 2653–2660.
242. Measuring and correcting single crystal data
W. Clegg.
Summerschool on Crystallography and its Teaching, ed. Miao Fang-Ming, Tianjin Normal University,
China 1988, 1–15.
243. Graphical representation of molecules
W. Clegg.
Summerschool on Crystallography and its Teaching, ed. Miao Fang-Ming, Tianjin Normal University,
China 1988, 223–232.

244. Diastereoselective, silver(I)-catalysed cyclisations of acetylenic isoureas to oxazolidines and oxazines; acetic acid-induced conversion of the alkylidene-oxazines to 2-*N*-substituted (1*Z*,3*E*)-dienes
W. Clegg, S. P. Collingwood, B. T. Golding and S. M. Hodgson.
J. Chem. Soc. Chem. Commun. 1988, 1175–1176.
245. Preparation, spectroscopy and crystal structure of a novel tetranuclear copper(I) benzimidazoline-2-thione complex: *cyclo*-hexakis- μ_2 -(benzimidazoline-2-thione) tetrakis[benzimidazoline-2-thione copper(I)] perchlorate quatodeca hydrate
E. S. Raper, J. R. Creighton, J. D. Wilson, W. Clegg and A. Milne.
Inorg. Chim. Acta 1988, **149**, 265–271.
246. Preparation of 1-phenylsulphonyl-1-phenylthio epoxides: convenient precursors to α -halo *S*-phenyl thio esters
C. T. Hewkin, R. F. W. Jackson and W. Clegg.
Tetrahedron Lett. 1988, **29**, 4889–4892.
247. A mild, phosphine-assisted synthesis of $(\eta\text{-C}_5\text{Me}_5)\text{Ta}(\text{CO})_4$. Isolation and crystal structure of intermediate $(\eta\text{-C}_5\text{Me}_5)\text{TaCl}_2(\text{CO})_2(\text{PMe}_3)$
V. C. Gibson, T. P. Kee and W. Clegg.
J. Organomet. Chem. 1988, **353**, C23–C26.
248. Oligomeric iminolithium and amidolithium compounds: comments on previously reported theoretical calculations and experimentally determined structures
W. Clegg, R. Snaith and K. Wade.
Inorg. Chem. 1988, **27**, 3861–3862.
249. Synthesis and structures of phosphinidene and phosphido complexes of iron and cobalt
A. M. Arif, A. H. Cowley, M. Pakulski, M.-A. Pearsall, W. Clegg, N. C. Norman and A. G. Orpen.
J. Chem. Soc. Dalton Trans. 1988, 2713–2721.
250. Synthesis and X-ray crystal structure of a dimolybdenum complex featuring a transverse-bridging, four-electron-donor dibismuth ligand; $[\text{Mo}_2(\text{CO})_4(\eta\text{-C}_5\text{H}_4\text{Me})_2(\mu\text{-}\eta^2\text{-Bi}_2)]$
W. Clegg, N. A. Compton, R. J. Errington and N. C. Norman.
Polyhedron 1988, **7**, 2239–2241.
251. The stereoselectivity of ring-opening of 3-substituted cyclopropenes and intermolecular trapping of derived vinylcarbenes
J. Al-Dulayymi, M. S. Baird and W. Clegg.
Tetrahedron Lett. 1988, **29**, 6149–6152.
252. Synthetic and structural studies on organomolybdenum and organotungsten complexes containing bismuth. X-ray crystal structures of $[\text{BiCl}\{\text{Mo}(\text{CO})_3(\mu\text{-C}_5\text{H}_5)\}_2]$ and $[\text{BiCl}\{\text{Mo}(\text{CO})_2(\text{CNBu}^t)(\mu\text{-C}_5\text{H}_5)\}_2]$
W. Clegg, N. A. Compton, R. J. Errington, N. C. Norman and A. J. Tucker.
J. Chem. Soc. Dalton Trans. 1988, 2941–2951.
253. Iron(II) complexes of imidazoline-2-thiones: the crystal structure of dichlorobis(1-methylimidazoline-2-thione)iron(II)
E. S. Raper, P. Carty, J. R. Creighton, A. Miller and W. Clegg.
Transition Met. Chem. 1988, **13**, 356–360.
-
254. The preparation and characterization of thiourea complexes of vanadium(IV): the crystal structure of dichlorobis(1,3-dimethylimidazolidine-2-thione)oxovanadium(IV)
S. Bristow, S. C. M. McAvilley, W. Clegg and D. Collison.
Polyhedron 1989, **8**, 87–90.

255. Polymeric cyano(1-methylimidazoline-2-thione)copper(I), [Cu(mimtH)CN]_n: preparation, spectroscopy, thermal analysis and crystal structure
E. S. Raper, J. R. Creighton, J. D. Wilson, W. Clegg and A. Milne.
Inorg. Chim. Acta 1989, **155**, 77–83.
256. Bis(imidazolidine-2-thione)(thiocyanato-*N*)copper(I): preparation, thermal analysis and crystal structure
E. S. Raper, J. R. Creighton, J. D. Wilson, W. Clegg and A. Milne.
Inorg. Chim. Acta 1989, **155**, 85–89.
257. The nature of a sodium–crown interaction studied by sodium-23 nuclear magnetic resonance and by crystal structure determination of a complex with co-ordinated solvent
J. C. Lockhart, M. B. McDonnell, W. Clegg, M. N. S. Hill and M. Todd.
J. Chem. Soc. Dalton Trans. 1989, 203–210.
258. Structure of unsolvated benzyltriphenylphosphonium pentachloro(*p*-tolylimido)tungstate(VI)
W. Clegg, R. J. Errington and C. Redshaw.
Acta Cryst. 1989, **C45**, 164–165.
259. Dilithiation of *N,N'*-diphenylthiourea, PhNHC(=S)NPh, in HMPA: the unexpected structure of the product, [PhN⁺LiC(=N[−]Ph)SLi·2HMPA]₂, and supporting ab initio MO calculations on model systems
D. R. Armstrong, R. E. Mulvey, D. Barr, R. Snaith, D. S. Wright, W. Clegg and S. M. Hodgson.
J. Organomet. Chem. 1989, **386**, C1–C4.
260. Synthesis and crystal structure of the mixed alkali metal imide Li_{4−x}Na_{2+x}[N=C(Ph)Bu^t]₆: three (metal–nitrogen)₂ ring dimers in a triple-layered stack
D. Barr, W. Clegg, R. E. Mulvey and R. Snaith.
J. Chem. Soc. Chem. Commun. 1989, 57–58.
261. Novel S–N ring contractions using dithiadiazoles; the synthesis and X-ray crystal structures of [Ph CNSSN][S₃N₂]Cl and [(Ph CNSSN)₂Cl][S₃N₃]
A. J. Banister, W. Clegg, Z. V. Hauptman, A. W. Luke and S. T. Wait.
J. Chem. Soc. Chem. Commun. 1989, 351–352.
262. Structure of (methyl 5-deoxy-β-D-ribofuranos-5-yl)(pyridine)cobaloxime monohydrate
W. Clegg, R. J. Anderson and B. T. Golding.
Acta Cryst. 1989, **C45**, 383–386.
263. Preparation and characterisation of linear mixed-metal trinuclear carboxylate complexes of general formula [M₂M' (O₂CR)₆(C₉H₇N)₂]; crystal structure of [Zn₂Ba(O₂CCMe₃)₆(C₉H₇N)₂]
W. Clegg, P. A. Hunt, B. P. Straughan and M. A. Mendiola.
J. Chem. Soc. Dalton Trans. 1989, 1127–1131.
264. Using diffractometers, collecting data and dealing with errors
W. Clegg.
B. C. A. Intensive School 1989, Aston University, unnumbered pages.
265. A double intramolecular ring metalation: formation, spectroscopic characterization, and molecular structure of (C₅Me₃(CH₂)₂)Ta(H)₂(PMe₃)₂
S. T. Carter, W. Clegg, V. C. Gibson, T. P. Kee and R. D. Sanner.
Organometallics 1989, **8**, 253–255.

266. Ladder structures in lithium amide chemistry: syntheses and solid-state and solution structures of donor-deficient lithium pyrrolidide complexes, $\{[\text{H}_2\text{C}(\text{CH}_2)_3\text{N Li}]_3\cdot\text{PMDETA}\}_2$ and $\{[\text{H}_2\text{C}(\text{CH}_2)_3\text{N Li}]_2\cdot\text{TMEDA}\}_2$, and ab initio MO calculations probing ring vs ladder vs stack structural preferences
D. R. Armstrong, D. Barr, W. Clegg, S. M. Hodgson, R. E. Mulvey, D. Reed, R. Snaith and D. S. Wright.
J. Am. Chem. Soc. 1989, **111**, 4719–4727.
267. Synthesis and X-ray crystal structure of a homoleptic bismuth amide
W. Clegg, N. A. Compton, R. J. Errington, N. C. Norman and N. Wishart.
Polyhedron 1989, **8**, 1579–1580.
268. Nickel complexes of 1-methylimidazoline-2(3*H*)-thione: crystal structures of trans-dichlorotetrakis[1-methylimidazoline-2(3*H*)-thione]nickel(II) and tetrakis[1-methylimidazoline-2(3*H*)-thione]nickel(II) tetrafluoroborate
E. S. Raper, A. M. Britton and W. Clegg.
Transition Met. Chem. 1989, **14**, 351–355.
269. Polytungstate self-assembly: structures of the new oxoanions, $[\text{W}_4(\text{NBu}^t)_4\text{O}_4\text{Cl}_{10}]^{2-}$ and $[\text{W}_6\text{O}_{14}\text{Cl}_{10}]^{2-}$
W. Clegg, R. J. Errington, D. C. R. Hockless and C. Redshaw.
Polyhedron 1989, **8**, 1788–1789.
270. Synthesis, X-ray structure and reactivity of the half-sandwich imido complex $(\eta\text{-C}_5\text{H}_5)\text{NbCl}_2(\text{NCH}_3)$
V. C. Gibson, D. N. Williams, W. Clegg and D. C. R. Hockless.
Polyhedron 1989, **8**, 1819–1820.
271. Direct insertion of a nitrogen atom into the S–S bond of a 1,2,3,5-dithiadiazole ring in a direct current nitrogen glow discharge, and X-ray crystal structure of 4-methyl-1,2,3,5-dithiadiazole
A. J. Banister, M. I. Hansford, Z. V. Hauptman, S. T. Wait and W. Clegg.
J. Chem. Soc. Dalton Trans. 1989, 1705–1713.
272. $[\text{H}_2\text{C}(\text{CH}_2)_5\text{N Li}]_6$, the first cyclized lithium amide ladder: synthesis and structure of hexamethyleneimidolithium
D. Barr, W. Clegg, S. M. Hodgson, G. R. Lamming, R. E. Mulvey, A. J. Scott, R. Snaith and D. S. Wright.
Angew. Chem. Int. Ed. Engl. 1989, **28**, 1241–1243.
273. A highly stereoselective generation and trapping of 1,2-dichloro-3-methyl-4-phenyl-2-enylidene
J. R. Al-Dulayymi, M. S. Baird and W. Clegg.
J. Chem. Soc. Perkin Trans. 1 1989, 1799–1803.
274. The 4-phenyl-1,2,3,5-dithiadiazole complex $[\text{Fe}_2(\text{CO})_6(\text{PhCN}_2\text{S}_2)]$: its preparation, crystal structure, and an extended-Hückel molecular-orbital study of the bonding
A. J. Banister, I. B. Gorrell, W. Clegg and K. A. Jørgensen.
J. Chem. Soc. Dalton Trans. 1989, 2229–2233.
275. Facile conversion of a cationic Mo^{IV} phosphinimato complex into an anionic nitrido-bridged dimer with a bis(trimethylphosphine)iminium counterion
V. C. Gibson, D. N. Williams and W. Clegg.
J. Chem. Soc. Chem. Commun. 1989, 1863–1864.
276. Preparation and crystal structure of tetraethylammonium [monochloro-bis(bis- μ -thiazoline-2-thionatonickelate(II))]. A novel *S,N*-thionate-bridged binuclear nickel complex
E. S. Raper, A. M. Britton and W. Clegg.
Inorg. Chim. Acta 1989, **166**, 171–172.

277. Structure of *trans*-diacetato-*trans*-diaqua-*trans*-bis(isoquinoline)cobalt(II)
W. Clegg and B. P. Straughan.
Acta Cryst. 1989, **C45**, 1992–1994.
278. Structure of acetonitriletris(triphenylphosphine)rhodium(I) tetraphenylborate
W. Clegg, C. D. Garner and S. Heyworth.
Acta Cryst. 1989, **C45**, 1996–1998.
-
279. A novel tantalum butterfly oxo cluster
V. C. Gibson, T. P. Kee and W. Clegg.
J. Chem. Soc. Chem. Commun. 1990, 29–30.
280. Studies of chromenes. Part 8. Addition *versus* rearrangement in silver ion-assisted solvolyses of trihalogenocyclopropa[*c*]chromenes
P. E. Brown, W. Clegg, Q. Islam and J. E. Steele.
J. Chem. Soc. Perkin Trans. 1 1990, 139–144.
281. Very high diastereofacial selectivity in the nucleophilic epoxidation of *N*-(*p*-tolylsulphonyl)vinylsulphoximines
P. L. Bailey, W. Clegg, R. F. W. Jackson and O. Meth-Cohn.
J. Chem. Soc. Perkin Trans. 1 1990, 200–202.
282. Unusual routes to complexes of binary alkali metal–non-metal compounds: preparations and crystal and solution structures of $\text{Li}_2\text{S}_6 \cdot (\text{tmeda})_2$ (tmeda = tetramethylethylenediamine), and synthetic extensions of the routes
A. J. Banister, D. Barr, A. T. Brooker, W. Clegg, M. J. Cunningham, M. J. Doyle, S. R. Drake, W. R. Gill, K. Manning, P. R. Raithby, R. Snaith, K. Wade and D. S. Wright.
J. Chem. Soc. Chem. Commun. 1990, 105–107.
283. *In situ* synthesis of phenyltrithiophosphonate: isolation and structure of $[\text{PPh}_4][\text{W}_2\text{S}_4\{\text{S}_2(\text{S})\text{PPh}\}_2]$
J. M. Slater, C. D. Garner and W. Clegg.
J. Chem. Soc. Chem. Commun. 1990, 281–282.
284. $(\eta\text{-C}_5\text{Me}_5)\text{Ta}(\text{CH}_2\text{CH}_2\text{CMe}_3)_2(\eta\text{-CHPMe}_2)$: a stable sixteen electron long-chain di-alkyl compound of tantalum
V. C. Gibson, T. P. Kee and W. Clegg.
J. Chem. Soc. Chem. Commun. 1990, 313–314.
285. Polymeric and mixed carboxylate compounds: crystal structure of $[\text{Zn}(\text{tiglate})_{0.54}(\text{benzoate})_{1.46}]_x$
W. Clegg, D. R. Harbron and B. P. Straughan.
J. Cryst. Spect. Res. 1990, **20**, 17–22.
286. $[\text{PhLiNCH}_2\text{CH}_2\text{NLiPh}] \cdot 3\text{HMPA}$, a monomeric dilithiummethylenediamide complex with N_2Li_2 double bridging: synthesis, crystal structure, and model MO calculations
D. R. Armstrong, D. Barr, A. T. Brooker, W. Clegg, K. Gregory, S. M. Hodgson, R. Snaith and D. S. Wright.
Angew. Chem. Int. Ed. Engl. 1990, **29**, 410–411.
287. X-ray crystallographic studies and dynamic ^1H NMR spectroscopic studies of the novel sodium aza-allyl monomer $\{[\text{PhC}(\text{H})\text{NC}(\text{H})\text{Ph}]\text{Na} \cdot \text{PMDETA}\}$: a discrete contact ion-pair structure held together by a short N–Na bond, and showing close (*ortho*-Ph)C–H $\cdots$ Na contacts in both solid state and solution
P. C. Andrews, R. E. Mulvey, W. Clegg and D. Reed.
J. Organomet. Chem. 1990, **386**, 287–297.

288. Structures of polymeric zinc 3,3-dimethylacrylate and zinc 2-chlorobenzoate
W. Clegg, D. R. Harbron, P. A. Hunt, I. R. Little and B. P. Straughan.
Acta Cryst. 1990, **C46**, 750–753.
289. Isatogens: further studies of crystal structure, electron density, and ^{13}C and ^{15}N NMR spectra
D. B. Adams, M. Hooper, A. G. Morpeth, E. S. Raper, W. Clegg and B. Stoddart.
J. Chem. Soc. Perkin Trans. 2 1990, 1269–1274.
290. Synthetic studies on cobalt carbonyl complexes containing antimony and bismuth. Crystal structures of
[SbO(OH){Co(CO) $_3$ L} $_2$] [L = PPh $_3$ or P(C $_6$ H $_4$ Me-*p*) $_3$]
W. Clegg, N. A. Compton, R. J. Errington, D. C. R. Hockless, N. C. Norman, M. Ramshaw
and P. M. Webster.
J. Chem. Soc. Dalton Trans. 1990, 2375–2385.
291. Novel S–N ring contractions using the 4-phenyl-1,2,3,5-dithiadiazole dimer, the synthesis and X-ray
crystal structures of [(PhCN $_2$ S $_2$) $_2$ Cl][S $_3$ N $_3$], [PhCN $_2$ S $_2$][S $_3$ N $_3$], and [PhCN $_2$ S $_2$][S $_3$ N $_2$]Cl, and an *ab*
initio molecular-orbital study of the bonding in [PhCN $_2$ S $_2$][S $_3$ N $_3$]
A. J. Banister, M. I. Hansford, Z. V. Hauptman, A. W. Luke, S. T. Wait, W. Clegg and K. A. Jørgensen.
J. Chem. Soc. Dalton Trans. 1990, 2793–2802.
292. The rearrangement of coordinated η^2 -vinyl ligands into η^3 -allyl and alkylidyne species
W. Clegg, M. Green, C. A. Hall, D. C. R. Hockless, N. C. Norman and C. M. Woolhouse.
J. Chem. Soc. Chem. Commun. 1990, 1330–1332.
293. Synthesis and characterisation of half-sandwich tantalum compounds in oxidation states (I)–(V): tertiary
phosphine, acetylene, butadiene, carbonyl, and oxo derivatives. X-ray crystal structures of
[Ta(C $_5$ Me $_5$)Cl $_3$ (PMe $_3$)] and [Ta(C $_5$ Me $_5$)Cl $_2$ (CO) $_2$ (PMe $_3$)]
V. C. Gibson, T. P. Kee and W. Clegg.
J. Chem. Soc. Dalton Trans. 1990, 3199–3210.
294. Synthesis, spectroscopy, and electrochemistry of heterocyclic thionato complexes of divalent nickel:
crystal structure of tetraethylammonium *fac*-[tris(benzothiazoline-2-thionato)nickelate(II)]
E. S. Raper, A. M. Britton and W. Clegg.
J. Chem. Soc. Dalton Trans. 1990, 3341–3345.
295. Model studies of benzimidazole complexes of Cu, Zn, and Cd. Crystal structures of
1,5-bis(benzimidazol-2-yl)-3-thiapentane complexes of CuBr $_2$ and Cu(NO $_3$) $_2$ and nuclear magnetic
resonance studies of exchange of 1,6-bis(benzimidazol-2-yl)-2,5-dithiahexane on Cd
J. C. Lockhart, W. Clegg, M. N. S. Hill and D. J. Rushton.
J. Chem. Soc. Dalton Trans. 1990, 3541–3548.
296. Structures of sulphur-nitrogen ring compounds with unusual electronic and magnetic properties
W. Clegg.
Acta Cryst. 1990, **A46**, C287–C288.
297. Synthesis of a tetranuclear chromium(III) complex containing a central μ_4 -oxo and two μ_3 -sulphato
ligands: X-ray crystal structure of [Ph $_4$ P] $_3$ [Cr $_4$ O(μ_3 -SO $_4$) $_2$ (μ -Cl) $_5$ Cl $_4$]·MeCN
W. Clegg, R. J. Errington, D. C. R. Hockless, A. D. Glen and D. G. Richards.
J. Chem. Soc. Chem. Commun. 1990, 1565–1566.
298. Alkyl and aryl dimetalla-bismuthine complexes
W. Clegg, N. A. Compton, R. J. Errington, G. A. Fisher, N. C. Norman and N. Wishart.
J. Organomet. Chem. 1990, **399**, C21–C25.

299. Structure of tetrakis(2,3-dihydro-1,3-thiazole-2-thione)palladium(II) dichloride 2,3-dihydro-1,3-thiazole-2-thione solvate
E. S. Raper, A. M. Britton and W. Clegg.
Acta Cryst. 1990, **C46**, 2344–2346.
300. Lewis-base-dictated structural variations in sodium amide chemistry: X-ray crystal structures of phenyl(2-pyridyl)amidosodium with hexamethylphosphoric triamide HMPA and with pentamethyldiethylenetriamine PMDETA
P. C. Andrews, W. Clegg and R. E. Mulvey.
Angew. Chem. Int. Ed. Engl. 1990, **29**, 1440–1441.
301. Electrical and magnetic properties and X-ray structure of a highly conductive 4:1 complex of tetracyanoquinodimethane and a tetrathiafulvalene derivative
M. R. Bryce, A. J. Moore, M. Hasan, G. J. Ashwell, A. T. Fraser, W. Clegg, M. B. Hursthouse and A. I. Karaulov.
Angew. Chem. Int. Ed. Engl. 1990, **29**, 1450–1452.
-
302. Anionic, four-coordinate, 10-electron bismuth complexes
W. Clegg, N. A. Compton, R. J. Errington, G. A. Fisher, D. C. R. Hockless and N. C. Norman.
Polyhedron 1991, **10**, 123–126.
303. Structures of the mixed-metal carboxylate base adducts $[\text{MgZn}_2(\text{crotonate})_6(4\text{-vinylpyridine})_2]$ and $[\text{MgCo}_2(\text{crotonate})_6(4\text{-vinylpyridine})_4]$
W. Clegg, D. R. Harbron and B. P. Straughan.
Acta Cryst. 1991, **C47**, 267–270.
304. Structures of the tetrafluoroborate salts of triphenylcarbenium ions with one and with two 4-methoxy substituents: stable carbocations
C. Bleasdale, W. Clegg, S. B. Ellwood and B. T. Golding.
Acta Cryst. 1991, **C47**, 550–553.
305. The derivation of results
W. Clegg.
B. C. A. Intensive School 1991, Aston University, unnumbered pages.
306. The interpretation of results
W. Clegg.
B. C. A. Intensive School 1991, Aston University, unnumbered pages.
307. The presentation of results
W. Clegg.
B. C. A. Intensive School 1991, Aston University, unnumbered pages.
308. Preparation of salts of the 5,5'-(1,4-phenylene)bis(1,3,2,4-dithiadiazolylum) dication and of its 1,2- and 1,3-phenylene analogues. Preparation and crystal structure of the stacked, neutral 5,5'-(1,4-phenylene)bis(1,3,2,4-dithiadiazole)
A. J. Banister, J. M. Rawson, W. Clegg and S. L. Birkby.
J. Chem. Soc. Dalton Trans. 1991, 1099–1104.
309. Preparation, crystal structure and extended-Hückel molecular-orbital study of the free-radical complex $[\text{Ni}_2(\text{cp})_2(\text{PhCN}_2\text{S}_2)]$ ($\text{cp} = \eta\text{-C}_5\text{H}_5$)
A. J. Banister, I. B. Gorrell, W. Clegg and K. A. Jørgensen.
J. Chem. Soc. Dalton Trans. 1991, 1105–1109.

310. A new type of structure in sodium amide ring chemistry: crystal structure of $[\text{PhCH}_2(\text{Me})\text{NNa}(\text{tmeda})]_2$ showing a buckled, rather than the normal planar, $(\text{NNa})_2$ cyclic ring, with a *cisoid*, rather than the normal *transoid*, arrangement of amido-substituents (tmeda = tetramethylethylenediamine)
P. C. Andrews, D. R. Armstrong, W. Clegg, M. MacGregor and R. E. Mulvey.
J. Chem. Soc. Chem. Commun. 1991, 497–498.
311. Phenylsulphonyloxiranes as functionalised acyl anion equivalents in organic synthesis
M. Ashwell, W. Clegg and R. F. W. Jackson.
J. Chem. Soc. Perkin Trans. 1 1991, 897–908.
312. *trans*-Bis[(thiocyanato-*S*)(1-methylimidazoline-2(3*H*)-thione)- μ_2 -(1-methylimidazoline-2(3*H*)-thione)-copper(I)]; preparation, thermal analysis and crystal structure
E. S. Raper and W. Clegg.
Inorg. Chim. Acta 1991, **180**, 239–244.
313. Structures of three photochromic compounds and three non-photochromic derivatives; the effect of methyl substituents
W. Clegg, N. C. Norman, T. Flood, L. Sallans, W. S. Kwak, P. L. Kwiatkowski and J. G. Lasch.
Acta Cryst. 1991, **C47**, 817–824.
314. Preparation and crystal structure of the unprecedented octameric zinc-aminothiolate complex $[\text{Zn}_8\{\text{S}(\text{CH}_2)_3\text{NMe}_2\}_{16}]$
I. Casals, W. Clegg and P. González-Duarte.
J. Chem. Soc. Chem. Commun. 1991, 655–656.
315. *tetrahedro*-[Tetrakis{ S (1-methylimidazoline-2(3*H*)-thionato)copper(I)}]: electrochemical synthesis, thermal analysis, cyclic voltammetry and crystal structure
E. S. Raper, J. R. Creighton and W. Clegg.
Inorg. Chim. Acta 1991, **183**, 179–187.
316. Preparation of complexes of the 3-trimethylammonio-1-propanethiolato ligand, $[\text{M}\{\text{S}(\text{CH}_2)_3\text{NMe}_3\}_2](\text{PF}_6)_2$, M = Zn, Cd, Hg. Crystal structures of monomeric and polymeric forms of the mercury complex
I. Casals, P. González-Duarte and W. Clegg.
Inorg. Chim. Acta 1991, **184**, 167–175.
317. Crystal structures of three basic zinc carboxylates together with infrared and FAB mass spectrometry studies in solution
W. Clegg, D. R. Harbron, C. D. Homan, P. A. Hunt, I. R. Little and B. P. Straughan.
Inorg. Chim. Acta 1991, **186**, 51–60.
318. Synthetic and structural studies on group 13 complexes containing the $\text{M}(\text{CO})_3(\eta\text{-C}_5\text{H}_5)$ fragment (M = Cr or Mo). Part 1. Complexes $[\text{E}\{\text{M}(\text{CO})_3(\eta\text{-C}_5\text{H}_5)\}_3]$ (E = In or Tl)
L. M. Clarkson, W. Clegg, D. C. R. Hockless, N. C. Norman and T. B. Marder.
J. Chem. Soc. Dalton Trans. 1991, 2229–2239.
319. Synthetic and structural studies on group 13 complexes containing the $\text{M}(\text{CO})_3(\eta\text{-C}_5\text{H}_5)$ fragment (M = Cr or Mo). Part 2. Complexes $[\text{InCl}_x\{\text{M}(\text{CO})_3(\eta\text{-C}_5\text{H}_5)\}_2]^{n-}$ ($x = 1, n = 0$; $x = 2, n = 1$)
L. M. Clarkson, W. Clegg, D. C. R. Hockless, N. C. Norman, L. J. Farrugia, S. G. Bott and J. L. Atwood.
J. Chem. Soc. Dalton Trans. 1991, 2241–2252.
320. Control of diastereofacial selectivity in the nucleophilic epoxidation of γ -oxygenated- α,β -unsaturated sulphones
R. F. W. Jackson, S. P. Standen and W. Clegg.
Tetrahedron Lett. 1991, **32**, 5393–5396.

321. Isostructural potassium and sodium di-nitrogen functionalized amides: syntheses and crystal structures of $[\text{Ph}(2\text{-Pyr})\text{NK}\cdot\text{TMEDA}]_2$ and $[\text{Me}(2\text{-Pyr})\text{NNa}\cdot\text{TMEDA}]_2$
P. C. Andrews, D. R. Baker, R. E. Mulvey, W. Clegg and P. A. O'Neil.
Polyhedron 1991, **10**, 1839–1841.
322. Synthesis and structures of tetranuclear 2-(dimethylamino)ethanethiolato complexes of zinc, cadmium and mercury involving both primary and secondary metal–halogen bonding
I. Casals, P. González-Duarte, W. Clegg, C. Foces-Foces, F. H. Cano, M. Martínez-Rippoll, M. Gómez and X. Solans.
J. Chem. Soc. Dalton Trans. 1991, 2511–2518.
323. Crystal structure of lithium diisopropylamide (LDA): an infinite helical arrangement composed of near-linear N–Li–N units with four units per turn of helix
N. D. R. Barnett, R. E. Mulvey, W. Clegg and P. A. O'Neil.
J. Am. Chem. Soc. 1991, **113**, 8187–8188.
324. A mononuclear tert-butyrimido complex of niobium(V). X-ray crystal structure of $[\text{Ph}_3\text{PCH}_2\text{Ph}][\text{Nb}(\text{NBu}^t)\text{Cl}_4(\text{py})]\cdot\text{CH}_2\text{Cl}_2$
W. Clegg, R. J. Errington, D. C. R. Hockless and C. Redshaw.
Polyhedron 1991, **10**, 1959–1961.
325. Competitive ligand C–H bond activations: ring- and phosphine-metallated forms of $(\text{C}_5\text{Me}_5)\text{Ta}(\text{PMe}_3)_2$
V. C. Gibson, T. P. Kee, S. T. Carter, R. D. Sanner and W. Clegg.
J. Organomet. Chem. 1991, **418**, 197–217.
326. A phosphine complex of bismuth(III): X-ray crystal structure of $[\text{PMe}_3\text{H}][\text{Bi}_2\text{Br}_7(\text{PMe}_3)_2]$
W. Clegg, R. J. Errington, G. A. Fisher, M. E. Green, D. C. R. Hockless and N. C. Norman.
Chem. Ber. 1991, **124**, 2457–2459.
327. Dibismuth as a four-electron donor ligand. Synthesis and molecular and electronic structure of $[\text{M}_2(\text{CO})_4(\eta\text{-C}_5\text{H}_4\text{Me})_2(\mu\text{-}\eta^2\text{-Bi}_2)]$ (M = Mo or W)
W. Clegg, N. A. Compton, R. J. Errington, G. A. Fisher, N. C. Norman and T. B. Marder.
J. Chem. Soc. Dalton Trans. 1991, 2887–2895.
328. 4-Oxo-5-phenyl-2,3-dihydro-3a-azaphenalen-6-yl benzenesulfonate
E. S. Raper, J. R. Creighton, S. P. Stanforth and W. Clegg.
Acta Cryst. 1991, **C47**, 2503–2505.
329. X-ray crystal structure of $[\text{Bi}(\text{NMe}_2)_3]$
W. Clegg, N. A. Compton, R. J. Errington, G. A. Fisher, M. E. Green, D. C. R. Hockless and N. C. Norman.
Inorg. Chem. 1991, **30**, 4680–4682.
330. Preparation of 2-halogeno S-phenyl thioesters from 2-phenylsulphonyl-2-phenylthiooxiranes. Crystal structures of 2-phenylsulphonyloxiranes
C. T. Hewkin, R. F. W. Jackson and W. Clegg.
J. Chem. Soc. Perkin Trans. 1 1991, 3091–3101.
331. Novel silicon-containing hydrocarbon rings and polymers *via* metathesis: X-ray crystal structure of *cis,cis*-1,1,6,6-tetraphenyl-1,6-disilacyclodeca-3,8-diene
J. T. Anhaus, W. Clegg, S. P. Collingwood and V. C. Gibson.
J. Chem. Soc. Chem. Commun. 1991, 1720–1722.

332. Dilithiation of a primary amine: synthesis and structure of $[(\alpha\text{-naphthyl-NLi}_2)_{10}(\text{Et}_2\text{O})_6]\cdot\text{Et}_2\text{O}$, a paramagnetic Li_{20} aggregate
D. R. Armstrong, D. Barr, W. Clegg, S. R. Drake, R. J. Singer, R. Snaith, D. Stalke and D. S. Wright.
Angew. Chem. Int. Ed. Engl. 1991, **30**, 1707–1709.
-
333. Displacement of ligands in $[\text{PtBr}_2(\text{en})]$ (en = ethylenediamine) by β - and γ -mercaptoamines
M. Capdevila, W. Clegg, P. González-Duarte and I. Mira.
J. Chem. Soc. Dalton Trans. 1992, 173–181.
334. Structural studies on organotransition-metal–bismuth complexes
W. Clegg, N. A. Compton, R. J. Errington, G. A. Fisher, D. C. R. Hockless, N. C. Norman,
N. A. L. Williams, S. E. Stratford, S. J. Nichols, P. S. Jarrett and A. G. Orpen.
J. Chem. Soc. Dalton Trans. 1992, 193–201.
335. Crystal structures and extended X-ray absorption fine structure spectra of $[\text{Fe}\{\text{O}(\text{CH}_2\text{CO}_2)_2\}(\text{H}_2\text{O})_2\text{X}]$
(X = Cl or Br)
A. K. Powell, J. M. Charnock, A. C. Flood, C. D. Garner, M. J. Ware and W. Clegg.
J. Chem. Soc. Dalton Trans. 1992, 203–207.
336. Synthetic and structural studies on organotransition metal-gallium complexes
R. M. Campbell, L. M. Clarkson, W. Clegg, D. C. R. Hockless, N. L. Pickett and N. C. Norman.
Chem. Ber. 1992, **125**, 55–59.
337. Structure of a thallium(I) transition-metal carbonyl salt $\text{Tl}[\text{Fe}(\text{CO})_3(\text{NO})]$
L. M. Clarkson, W. Clegg, D. C. R. Hockless and N. C. Norman.
Acta Cryst. 1992, **C48**, 236–239.
338. X-ray crystal structure of $[\{\text{WCl}_3(\text{PMe}_2\text{Ph})_2\}_2\{\mu\text{-NC}_6\text{H}_4\text{N-1,4}\}]$. The first structural characterization of a binuclear complex containing a 1,4-phenylenediimide bridge
W. Clegg, R. J. Errington, D. C. R. Hockless, J. M. Kirk and C. Redshaw.
Polyhedron 1992, **11**, 381–384.
339. Half-sandwich niobium(III) nitrene (imido) complexes containing carbonyl, alkene and acetylene ligands
A. D. Poole, V. C. Gibson and W. Clegg.
J. Chem. Soc. Chem. Commun. 1992, 237–239.
340. Crystal and solution structures of the novel complex of sodium ketimide with two ketimine ligands
 $[(\text{'Bu}_2\text{C}=\text{NNa})_4(\text{NH}=\text{C'\text{Bu}_2})_2]$: stacking of complexed and uncomplexed $(\text{NNa})_2$ rings to give a highly distorted $(\text{NNa})_4$ cubane
W. Clegg, M. MacGregor, R. E. Mulvey and P. A. O'Neil.
Angew. Chem. Int. Ed. Engl. 1992, **31**, 93–95.
341. 2,4,6-Tris(4,5-diisopropyl-1,3-dithiol-2-ylidene)cyclohexane-1,3,5-trione: synthesis, X-ray crystal structure and amphoteric redox properties of a highly delocalised heterocyclic π -system
M. A. Coffin, M. R. Bryce and W. Clegg.
J. Chem. Soc. Chem. Commun. 1992, 401–402.
342. Half-sandwich imido complexes of niobium and tantalum
D. N. Williams, J. P. Mitchell, A. D. Poole, U. Siemeling, W. Clegg, D. C. R. Hockless, P. A. O'Neil and V. C. Gibson.
J. Chem. Soc. Dalton Trans. 1992, 739–751.
343. Cycloaddition reactions of $[\text{SNS}][\text{AsF}_6]$ with potassium tricyanomethanide
A. J. Banister, I. Lavender, J. M. Rawson and W. Clegg.
J. Chem. Soc. Dalton Trans. 1992, 859–865.

344. New vinylogous tetrathiafulvalene π -electron donors with peripheral alkylseleno substitution
M. R. Bryce, M. A. Coffin and W. Clegg.
J. Org. Chem. 1992, **57**, 1696–1699.
345. A structural model for vanadyl–histidine interactions: structure determination of
[VO(1-vinylimidazole)₄Cl]Cl by a combination of X-ray crystallography and X-ray absorption
spectroscopy
L. J. Calviou, J. M. Arber, D. Collison, C. D. Garner and W. Clegg.
J. Chem. Soc. Chem. Commun. 1992, 654–656.
346. Homoleptic cyclohexanethiolato complexes of mercury(II)
T. Alsina, W. Clegg, K. A. Fraser and J. Sola.
J. Chem. Soc. Dalton Trans. 1992, 1393–1399.
347. Solid state and solution studies of tungsten(VI) oxotetraalkoxides
W. Clegg, R. J. Errington, P. Kraxner and C. Redshaw.
J. Chem. Soc. Dalton Trans. 1992, 1431–1438.
348. Structure of [Ni(OH₂)₂(NH₂CH₂CH₂CH₂NH₂)₂][picrate]₂
W. Clegg, P. K. Bharadwaj and S. Mandal.
Acta Cryst. 1992, **C48**, 942–943.
349. Edge-shared, biocuboidal, bismuth phosphine complexes
W. Clegg, R. J. Errington, R. J. Flynn, M. E. Green, D. C. R. Hockless, N. C. Norman, V. C. Gibson
and K. Tavakkoli.
J. Chem. Soc. Dalton Trans. 1992, 1753–1754.
350. [Bis{bis(imidazolidine-2-thione)- μ_2 -(imidazolidine-2-thione)copper(I)}] diperchlorate: synthesis and
crystal structure
E. S. Raper, J. D. Wilson and W. Clegg.
Inorg. Chim. Acta 1992, **194**, 51–55.
351. Structural studies on phenyl bismuth halides and halogenoanions
W. Clegg, R. J. Errington, G. A. Fisher, D. C. R. Hockless, N. C. Norman, A. G. Orpen
and S. E. Stratford.
J. Chem. Soc. Dalton Trans. 1992, 1967–1974.
352. [Hg₇(SC₆H₁₁)₁₂Br₂], a novel mercury cage molecule with bridging and terminal thiolate ligands and with
terminal and μ_6 bromide
T. Alsina, W. Clegg, K. A. Fraser and J. Sola.
J. Chem. Soc. Chem. Commun. 1992, 1010–1011.
353. Interaction of cyclohexyl isocyanate with oxoruthenium(V) 2-alkyl-2-hydroxybutyrate
C. Redshaw, W. Clegg and G. Wilkinson.
J. Chem. Soc. Dalton Trans. 1992, 2059–2062.
354. Dipalladium and diplatinum bis(μ -alkanethiolato) complexes with a planar M₂S₂ ring
M. Capdevila, W. Clegg, P. González-Duarte, B. Harris, I. Mira, J. Sola and I. C. Taylor.
J. Chem. Soc. Dalton Trans. 1992, 2817–2826.
355. Stereocontrol in the nucleophilic epoxidation of α -(1-hydroxyalkyl)- α,β -unsaturated sulfones
R. F. W. Jackson, S. P. Standen, W. Clegg and A. McCamley.
Tetrahedron Lett. 1992, **33**, 6197–6200.

356. A pentuply-bridging thiocarbonyl group: X-ray crystal structure of a salt of the 1-thio-2-phenyl-1,2-dicarbododecaborate(12) anion, $[\text{LH}]^+[\text{S}(\text{Ph})\text{C}_2\text{B}_{10}\text{H}_{10}]^-$ ($\text{L} = 1,8\text{-}N,N,N',N'$ -tetramethylnaphthalenediamine)
R. Coult, M. A. Fox, W. R. Gill, K. Wade and W. Clegg.
Polyhedron 1992, **11**, 2717–2721.
357. Synthesis and crystal structure of the mixed lithium sodium guanidide $[\text{Li}_4\text{Na}_2\{\text{N}=\text{C}(\text{NMe}_2)_2\}_6]$: a stack of three (metal–nitrogen)₂ dimeric rings with additional intramolecular (tertiary amine) nitrogen lithium coordinations
N. D. R. Barnett, R. E. Mulvey, W. Clegg and P. A. O’Neil.
Polyhedron 1992, **11**, 2809–2812.
358. Structure of a dichromium(II) complex with bridging betaine ligands,
 $[\text{Cr}_2(\text{O}_2\text{CCH}_2\text{NMe}_3)_4(\text{OH}_2)_2][\text{ZnCl}_4]_2 \cdot 2\text{H}_2\text{O}$
W. Clegg, B. P. Straughan and A. R. Yusoff.
Acta Cryst. 1992, **C48**, 1896–1898.
359. Reactions of chelating alkali metal amides with the Grignard reagent $^n\text{BuMgCl}$: crystal structures and solution ^1H NMR spectroscopic studies of the expected mono(amido)-product
 $[\text{PhCH}_2(\text{Me}_2\text{NCH}_2\text{CH}_2)\text{NMg}^n\text{Bu}]_2$ and the unexpected bis(amido)-product
 $\{[\text{Ph}(2\text{-Pyr})\text{N}]_2\text{Mg} \cdot (\text{THF})_2\}$
K. Wade, R. E. Mulvey, W. Clegg and P. A. O’Neil.
J. Organomet. Chem. 1992, **439**, 237–250.
360. Solid-state and solution studies of tungsten(VI) organoimidoalkoxides
W. Clegg, R. J. Errington and C. Redshaw.
J. Chem. Soc. Dalton Trans. 1992, 3189–3198.
361. Macrocyclic ligands with pendant phosphonic acid groups
W. Clegg, P. B. Iveson and J. C. Lockhart.
J. Chem. Soc. Dalton Trans. 1992, 3291–3298.
362. Synthesis and X-ray crystal structure of $[\text{Pt}_2(\mu\text{-H})(\mu\text{-S})(\text{dppe})_2]^+$, a diplatinum cation with hydrido and sulphido ligands bridging a Pt–Pt bond
M. Capdevila, P. González-Duarte, I. Mira, J. Sola and W. Clegg.
Polyhedron 1992, **11**, 3091–3093.
363. Anionic, four-coordinate, ten-electron bismuth complexes: aspects of synthesis, structure and bonding
W. Clegg, N. A. Compton, R. J. Errington, G. A. Fisher, D. C. R. Hockless, N. C. Norman, A. G. Orpen and S. E. Stratford.
J. Chem. Soc. Dalton Trans. 1992, 3515–3523.
364. Structures of some organomagnesium and organolithium complexes
P. A. O’Neil and W. Clegg.
Z. Krist. Supplement 1992, **6**, 182.
365. Structures of some aminothiolate complexes of platinum
W. Clegg, B. Harris and I. C. Taylor.
Z. Krist. Supplement 1992, **6**, 183.
-
366. (*R*)-1,3-Dimethylcyclopropene – one isomer of the smallest chiral hydrocarbon
M. S. Baird, H. L. Fitton, W. Clegg and A. McCamley.
J. Chem. Soc. Perkin Trans. 1 1993, 321–326.

367. Synthesis and highly diastereoselective nucleophilic epoxidation of *N*-(*p*-tolylsulfonyl)vinylsulfoximines
P. L. Bailey, W. Clegg, R. F. W. Jackson and O. Meth-Cohn.
J. Chem. Soc. Perkin Trans. 1 1993, 343–350.
368. Structural studies on phenyl bismuth halides and halogenoanions. Part 2. X-ray crystal structures of
[BiPhCl₂(thf)] (thf = tetrahydrofuran), [NBuⁿ₄]₂[Bi₂Ph₂Br₆] and [NEt₄][BiPh₂I₂]
W. Clegg, R. J. Errington, G. A. Fisher, R. J. Flynn and N. C. Norman.
J. Chem. Soc. Dalton Trans. 1993, 637–641.
369. Butyllithium cubane tetramers linked by Li–TMEDA–Li bridges in an infinite, zig-zig chain arrangement:
first crystallographic study of a simple butyl compound of an early main group element
N. D. R. Barnett, R. E. Mulvey, W. Clegg and P. A. O’Neil.
J. Am. Chem. Soc. 1993, **115**, 1573–1574.
370. Diastereoselective synthesis of cyclopropanes with multiple sulfur substitution. X-ray molecular
structures of phenylsulfonyl-substituted cyclopropanes
P. L. Bailey, C. T. Hewkin, W. Clegg and R. F. W. Jackson.
J. Chem. Soc. Perkin Trans. 1 1993, 577–584.
371. *catena*-[Cd{μ-S(CH₂)₃NHMe₂}Br₂]
W. Clegg, I. Casals and P. González-Duarte.
Acta Cryst. 1993, **C49**, 129–130.
372. Structure of the [SbI₄{Me₂P(CH₂)₂PMe₂}][−] anion: structural evidence for an arrested double S_N2
substitution
W. Clegg, M. R. J. Elsegood, V. Graham, N. C. Norman and N. L. Pickett.
J. Chem. Soc. Dalton Trans. 1993, 997–998.
373. Redetermination of the structure of α-tetraphosphorus trisulfide diiodide at 180 K
B. W. Tattershall, N. L. Kendall, A. McCamley and W. Clegg.
Acta Cryst. 1993, **C49**, 571–573.
374. Synthesis and properties of new functionalised tetrathiafulvalene (TTF) π-electron donors
M. R. Bryce, A. J. Moore, M. A. Coffin, G. J. Marshallsay, G. Cooke, P. J. Skabara, A. S. Batsanov,
J. A. K. Howard and W. Clegg.
Phosphorus, Sulfur, and Silicon 1993, **74**, 279–294.
375. Butyllithium-induced cyclotrimerisation reactions of organic nitriles: solvent dependency, crystal and
solution structures of lithio triazine intermediates and an unexpected rearrangement of
dihydrotriazino anions
D. R. Armstrong, W. Clegg, M. MacGregor, R. E. Mulvey and P. A. O’Neil.
J. Chem. Soc. Chem. Commun. 1993, 608–610.
376. A mixed aggregate of lithium diisopropylamide and lithium chloride: synthesis and crystal structure
F. S. Mair, W. Clegg and P. A. O’Neil.
J. Am. Chem. Soc. 1993, **115**, 3388–3389.
377. Preparation and characterisation of the mixed 1,3,2,4-/1,2,3,5-dithiadiazolylium salts and related free
radicals; [*m*- and [*p*-SNSNC–C₆H₄–CNSSN]^x (x = 2+, ·+ or 2·)
A. J. Banister, I. Lavender, J. M. Rawson, W. Clegg, B. K. Tanner and R. J. Whitehead.
J. Chem. Soc. Dalton Trans. 1993, 1421–1429.
378. Synthesis and structure of [SMe₃]₂[Bi₂I₈(SMe₂)₂]: a dimethylsulphide complex of bismuth(III)
W. Clegg, N. C. Norman and N. L. Pickett.
Polyhedron 1993, **12**, 1251–1252.

379. Silicon-containing macrocycles and polymers via metathesis: X-ray crystal structures of *cis,cis*- and *trans,trans*-1,1,6,6-tetraphenyl-1,6-disilacyclodeca-3,8-diene
J. T. Anhaus, V. C. Gibson, W. Clegg and S. P. Collingwood.
Organometallics 1993, **12**, 1780–1789.
380. Synthesis and structural characterisation of the mixed lithium–magnesium amide,
[{PhCH₂(Me₂NCH₂CH₂)N}₄Li₂Mg]: a new type of magnesiate complex free of a donor solvent as
ligand
W. Clegg, K. Wade, R. E. Mulvey and P. A. O’Neil.
J. Chem. Soc. Chem. Commun. 1993, 969–970.
381. Two series of aza macrocycles containing the phenyldinaphthomethane subunit (a three bladed propeller);
crystal structures and dynamic NMR spectroscopy
W. Clegg, P. J. Cooper, K. I. Kinnear, D. J. Rushton and J. C. Lockhart.
J. Chem. Soc. Perkin Trans. 2 1993, 1259–1268.
382. A new tetratungstate, [W₄O₄Cl₁₀(NBu^t)₄]²⁻, and its degradation to the mononuclear complex
[WOCl₂(NBu^t)(bipy)] or [WCl₂(NBu^t)₂(bipy)] (bipy = 2,2’-bipyridine)
W. Clegg, R. J. Errington, D. C. R. Hockless and C. Redshaw.
J. Chem. Soc. Dalton Trans. 1993, 1965–1971.
383. Evidence for rapid ligand redistribution in non-aqueous tungstate chemistry: rational synthesis of the
binuclear tungsten oxoalkoxide [W₂O₅(OMe)₄]²⁻
W. Clegg, R. J. Errington, K. A. Fraser and D. G. Richards.
J. Chem. Soc. Chem. Commun. 1993, 1105–1107.
384. Structural and spectroscopic evidence for multiple α-agostic interactions in dialkyl complexes of niobium
A. D. Poole, D. N. Williams, A. M. Kenwright, V. C. Gibson, W. Clegg, D. C. R. Hockless
and P. A. O’Neil.
Organometallics 1993, **12**, 2549–2555.
385. An infinite ladder structure of alternating, fused K₂N₂ rhomboids and KN₂ triangles: synthesis and
crystallographic characterisation of benzotriazolotopotassium·HMPA (HMPA =
hexamethylphosphoric triamide)
P. C. Andrews, W. Clegg, R. E. Mulvey, P. A. O’Neil and H. M. M. Wilson
J. Chem. Soc. Chem. Commun. 1993, 1142–1144.
386. Cyclohexanethiolato complexes of mercury
W. Clegg, K. A. Fraser, I. C. Taylor, T. Alsina and J. Sola.
The Chemistry of the Copper and Zinc Triads, ed. A. J. Welch and S. K. Chapman, Royal Society of
Chemistry, Cambridge, 1993, 137–140.
387. An unprecedented mixed alkali metal organonitrogen ladder: synthesis, NMR spectroscopic studies, and
X-ray crystallographic studies of the dilithium disodium amide [{LiNa[N(CH₂Ph)₂]₂·OEt₂ }₂]
D. R. Baker, R. E. Mulvey, W. Clegg and P. A. O’Neil.
J. Am. Chem. Soc. 1993, **115**, 6472–6473.
388. Structural studies on bismuth–iodide–hexamethylphosphoramidate complexes by X-ray crystallography
and extended X-ray absorption fine structure spectroscopy
W. Clegg, L. J. Farrugia, A. McCamley, N. C. Norman, A. G. Orpen, N. L. Pickett and S. E. Stratford.
J. Chem. Soc. Dalton Trans. 1993, 2579–2587.
389. (1,7-C₂B₁₀H₁₀-1’,3’-C₆H₄)₃, a cyclic trimer from *meta*-carboranediyl and *meta*-phenylene units: a new
category of macrocycle
W. Clegg, W. R. Gill, J. A. H. MacBride and K. Wade.
Angew. Chem. Int. Ed. Engl. 1993, **32**, 1328–1329.

390. Crystal structure of $[(\alpha\text{-cyanoisopropylsodium}\cdot\text{tetramethylethylenediamine})_4]$: how coordination expansion from Li to Na centers can increase the aggregation state of an α -nitrile “carbanion”
J. Barker, N. D. R. Barnett, D. Barr, W. Clegg, R. E. Mulvey and P. A. O’Neil.
Angew. Chem. Int. Ed. Engl. 1993, **32**, 1366–1368.
391. Synthesis of heteroleptic bis(amides): crystal structure of the representative compound,
 $[\{\text{Mg}[\text{N}(\text{Ph})_2][\text{N}(\text{Ph})(2\text{-Pyr})]\}_2]$
K. Wade, R. E. Mulvey, W. Clegg and P. A. O’Neil.
Polyhedron 1993, **12**, 2535–2538.
392. X-ray structure and bonding of 1-phenylethynyl-2-phenyl-1,2-dicarbododecaborane(12),
 $[1\text{-(PhC}\equiv\text{C)-Ph-1,2-C}_2\text{B}_{10}\text{H}_{10}]$, a model alkyne complex containing a rich variety of carbon–carbon bond types
W. Clegg, R. Coult, M. A. Fox, W. R. Gill, J. A. H. MacBride and K. Wade.
Polyhedron 1993, **12**, 2711–2717.
393. $[(\text{PtMe}_3)_3\{\mu\text{-I},\mu\text{-S}(\text{CH}_2)_2\text{NHEt}_2\}_2]\text{I}$, the first platinum thiolate complex with an incomplete cubane structure
W. Clegg, K. A. Fraser, N. Duran and P. González-Duarte.
Polyhedron 1993, **12**, 2737–2739.
394. New confacial bioctahedral diplatinum(IV) complexes with 3-aminoalkanethiolate bridges
W. Clegg, N. Duran, K. A. Fraser, P. González-Duarte, J. Sola and I. C. Taylor.
J. Chem. Soc. Dalton Trans. 1993, 3453–3457.
395. Transition-metal complexes of di- and tri-phosphines derived from
1,1-bis(diphenylphosphinomethyl)ethene
J. L. Bookham, W. Clegg, W. McFarlane and E. S. Raper.
J. Chem. Soc. Dalton Trans. 1993, 3567–3573.
396. Niobium and tantalum methyl complexes containing imido and cyclopentadienyl ligands. Crystal structure of $[\text{Nb}(\eta\text{-C}_5\text{H}_5)(\text{N}^t\text{Bu})(\text{Me})(\text{Cl})]$
V. C. Gibson, A. D. Poole, U. Siemeling, D. N. Williams, W. Clegg and D. C. R. Hockless.
J. Organomet. Chem. 1993, **462**, C12–C14.
397. Novel rearrangement of a 10-membered Schiff base macrocycle to a tricyclic product: crystal structures of the tricycle and a related macrocycle
L. G. Wrench, W. Clegg, M. R. J. Elsegood, H. K. Gill, L. Horsburgh and J. C. Lockhart.
Tetrahedron Lett. 1993, **34**, 8349–8352.
398. Structure of monomeric $[\text{TiCl}_4(\text{hexamethylphosphoric triamide})_2]$
W. Clegg, P. A. O’Neil, K. Wade and R. E. Mulvey.
Acta Cryst. 1993, **C49**, 2108–2109.
399. Dilithium zinc crotonate, a mixed-metal sheet polymeric structure
W. Clegg, P. A. Hunt and B. P. Straughan.
Acta Cryst. 1993, **C49**, 2109–2112.
400. Regiospecific alkylation of 6-chloropurine and 2,6-dichloropurine at N7 by transient protection of N3/N9 by methylcobaloxime
C. Dalby, C. Bleasdale, W. Clegg, M. R. J. Elsegood, B. T. Golding and R. J. Griffin.
Angew. Chem. Int. Ed. Engl. 1993, **32**, 1696–1697.

401. Crystallography
W. Clegg.
The New Illustrated Science and Invention Encyclopedia. The Modern World, Marshall Cavendish, 1993, 27, 83–84.

402. The preparation and X-ray crystal structure of the first metal–1,3,2,4-dithiadiazolylium salt, $[\text{Hg}(\overline{\text{CNSNS}})_2][\text{AsF}_6]_2$, a transfer agent for the dithiadiazolylium ring
A. J. Banister, I. Lavender, S. E. Lawrence, J. M. Rawson and W. Clegg.
J. Chem. Soc. Chem. Commun. 1994, 29–30.
403. Synthesis and X-ray crystallographic characterisation of *o*-phenylenediamidomagnesium·tetrahydrofuran: the first octahedral Mg_6 cluster
W. Clegg, M. Frank, R. E. Mulvey and P. A. O’Neil.
J. Chem. Soc. Chem. Commun. 1994, 97–98.
404. Structures of $[\text{Ph}\overline{\text{CNSSN}}]_2[\text{Pt}(\text{mnt})_2]$ and $[(p\text{-ClC}_6\text{H}_4\overline{\text{CNSSN}})_2\text{Cl}][\text{Pt}(\text{mnt})_2]$ (mnt = maleonitriledithiolato ligand)
W. Clegg, S. L. Birkby, A. J. Banister, J. M. Rawson, S. T. Wait, P. Rizkallah, M. M. Harding and A. J. Blake.
Acta Cryst. 1994, **C50**, 28–33.
405. Bis(η^5 -*tert*-butylcyclopentadienyl)dichloroniobium(IV)
A. McCamley, T. J. Miller and W. Clegg.
Acta Cryst. 1994, **C50**, 33–36.
406. Structures of the indium trihalide bisphosphine complexes $[\text{InBr}_3(\text{PMe}_2\text{Ph})_2]$ and $[\text{InI}_3(\text{PMePh}_2)_2]$
W. Clegg, N. C. Norman and N. L. Pickett.
Acta Cryst. 1994, **C50**, 36–38.
407. New aspects of non-aqueous polyoxometalate chemistry
R. J. Errington, C. Lax, D. G. Richards, W. Clegg and K. A. Fraser.
Polyoxometalates: from Platonic solids to anti-retroviral activity, ed. M. T. Pope and A. Müller, Kluwer Academic Publishers, 1994, 105–114.
408. Novel conjunction of hetero(macro)cycles and a pentamolybdodiphosphonate cage
M. P. Lowe, J. C. Lockhart, W. Clegg and K. A. Fraser.
Angew. Chem. Int. Ed. Engl. 1994, **33**, 451–454.
409. A binuclear silver complex of a tetrapyrazolyl ligand
W. Clegg, P. J. Cooper, J. C. Lockhart and D. J. Rushton.
Acta Cryst. 1994, **C50**, 383–386.
410. Structure of a cyclopropachromene
P. E. Brown, W. Clegg and J. E. Steele.
Acta Cryst. 1994, **C50**, 424–425.
411. Model structural types for rationalising stoichiometries and coordination numbers in lithium amidomagnesiates: syntheses and X-ray diffraction studies of $[\{\text{Mg}(\text{NR}_2)_2\}_2]$, $[\text{Li}_2\text{Mg}(\text{NR}_2)_4]$ and $[\text{LiMg}(\text{NR}_2)_3\cdot\text{py}]$ (R = benzyl, py = pyridine)
W. Clegg, K. Wade, R. E. Mulvey and P. A. O’Neil.
J. Chem. Soc. Chem. Commun. 1994, 769–770.
412. Polymeric and mixed carboxylate compounds: crystal structures of $[\text{Zn}(\text{tiglate})_2]_x$ and $[\text{Zn}_2(\text{tiglate})_3(\text{crotonate})]_x$
W. Clegg, J. T. Cressey, D. R. Harbron and B. P. Straughan.
J. Chem. Cryst. 1994, **24**, 211–217.

413. *N*-[2-(2-Formylphenyl)ethyl]-2-nitroaniline
W. Clegg, S. P. Stanforth, K. A. Hedley, E. S. Raper and J. R. Creighton.
Acta Cryst. 1994, **C50**, 583–585.
414. Triphenylphosphoranylideneammonium azide, $[\text{Ph}_3\text{P}=\text{NH}_2][\text{N}_3]$
W. Clegg and C. Bleasdale.
Acta Cryst. 1994, **C50**, 740–742.
415. Structure of BiBr_2Ph : a solid-state architecture involving secondary bonding and π - π interactions
W. Clegg, M. R. J. Elsegood, R. J. Errington, G. A. Fisher and N. C. Norman.
J. Mater. Chem. 1994, **4**, 891–893.
416. Neutral phosphine complexes of antimony(III) and bismuth(III) halides
W. Clegg, M. R. J. Elsegood, V. Graham, N. C. Norman, N. L. Pickett and K. Tavakkoli.
J. Chem. Soc. Dalton Trans. 1994, 1743–1751.
417. Anionic phosphine complexes of antimony(III) and bismuth(III) halogenoanions
W. Clegg, M. R. J. Elsegood, N. C. Norman and N. L. Pickett.
J. Chem. Soc. Dalton Trans. 1994, 1753–1757.
418. An enantiomerically pure 4-oxo- α -amino acid derivative
W. Clegg, R. F. W. Jackson, P. A. O'Neil and N. Wishart.
Acta Cryst. 1994, **C50**, 965–967.
419. Novel structures of some main-group metallocotriazine compounds
W. Clegg, L. Horsburgh and P. A. O'Neil.
Z. Krist. 1994, **S8**, 349.
420. Layer structure of $\text{Hg}(\text{SR})_2$, $\text{R} = {}^n\text{C}_n\text{H}_{2n+1}$, ($n = 2, 3, 5, 6, 8, 12$)
K. A. Fraser, W. Clegg, D. C. Craig, M. L. Scudder and I. G. Dance.
Z. Krist. 1994, **S8**, 356.
421. Solid-state reactivity via unsaturated metal carboxylates
J. T. Cressey, W. Clegg, M. R. J. Elsegood and B. P. Straughan.
Z. Krist. 1994, **S8**, 369.
422. Effects of additional stereogenic centres and cation in the nucleophilic epoxidation of vinylsulfoximines with metal alkylperoxides
A. D. Briggs, R. F. W. Jackson, W. Clegg, M. R. J. Elsegood, J. Kelly and P. A. Brown.
Tetrahedron Lett. 1994, **35**, 6945–6948.
423. NMR, crystal structure and FAB mass spectral studies of morpholinomethylphosphonic acid
M. P. Lowe, J. C. Lockhart, C. J. Matthews, W. Clegg, M. R. J. Elsegood and L. Horsburgh.
J. Chem. Soc. Perkin Trans. 2 1994, 1957–1963.
424. The stereochemistry of a cyclopropene–vinylcarbene rearrangement
J. R. Al Dulayymi, M. S. Baird, L. Rajaram and W. Clegg.
J. Chem. Res. (S) 1994, 344–345; *J. Chem. Res. (M)* 1994, 1901–1916.
425. Novel bis(imido) complexes of molybdenum(VI): precursors to new alkene metathesis catalysts
A. Bell, W. Clegg, P. W. Dyer, M. R. J. Elsegood, V. C. Gibson and E. L. Marshall.
J. Chem. Soc. Chem. Commun. 1994, 2247–2248.
426. Potassium potassiate contact ion pair polymer synthesised by metallation of a dihydrotriazine
W. Clegg, L. Horsburgh, R. E. Mulvey, and M. J. Ross.
J. Chem. Soc. Chem. Commun. 1994, 2393–2394.

427. Oxidative addition of B–B bonds by rhodium(I) phosphine complexes: molecular structures of B_2cat_2 (cat = 1,2- $O_2C_6H_4$) and its 4-Bu^t and 3,5-Bu^t2 analogs
P. Nguyen, G. Lesley, N. J Taylor, T. B. Marder, N. L. Pickett, W. Clegg, M. R. J. Elsegood and N. C. Norman.
Inorg. Chem. 1994, **33**, 4623–4624.
428. A versatile route to well-defined molybdenum metathesis catalysts *via* mixed imido precursors: the molecular structure of $[Mo(N-2,6-Pr^i_2C_6H_3)(N-Bu^t)(CH_2CMe_3)_2]$
A. Bell, W. Clegg, P. W. Dyer, M. R. J. Elsegood, V. C. Gibson and E. L. Marshall.
J. Chem. Soc. Chem. Commun. 1994, 2547–2548.
429. Isocyanate *versus* isothiocyanate insertion into alkoxo and imido ligands
V. C. Gibson, C. Redshaw, W. Clegg and M. R. J. Elsegood.
J. Chem. Soc. Chem. Commun. 1994, 2635–2636.
430. Mixed lithium magnesium aryl oxides derived from cresol: crystal structures and solution NMR studies of an unexpected, magnesium-rich oxo product with a trigonal bipyramidal $LiMg_4$ cage and an expected lithium-rich product with a more familiar $Li...Mg...Li$ chain
K. Wade, R. E. Mulvey, F. B. M. Reinhard, W. Clegg and L. Horsburgh.
J. Am. Chem. Soc. 1994, **116**, 10777–10778.
431. Expanding the scope of lithium coordination chemistry by placing sodium nearby: a mixed lithium–sodium benzyl compound having TMEDA-chelated Li^+ cations in an unprecedented tetrameric environment
D. R. Baker, W. Clegg, L. Horsburgh and R. E. Mulvey.
Organometallics 1994, **13**, 4170–4172.
-
432. Self-assembly of polyoxometalate conjugates: novel models for catalytic surfaces from crystal data
M. P. Lowe, J. C. Lockhart, G. A. Forsyth, W. Clegg and K. A. Fraser.
J. Chem. Soc. Dalton Trans. 1995, 145–152.
433. Stereocontrol in the nucleophilic epoxidation of α -(1-hydroxyalkyl)- α,β -unsaturated sulfones
R. F. W. Jackson, S. P. Standen, W. Clegg and A. McCamley.
J. Chem. Soc. Perkin Trans. 1 1995, 141–148.
434. Control of diastereofacial selectivity in the nucleophilic epoxidation of γ -oxygenated α,β -unsaturated sulfones
R. F. W. Jackson, S. P. Standen and W. Clegg.
J. Chem. Soc. Perkin Trans. 1 1995, 149–156.
435. Synthetic, structural, mechanistic and theoretical MO studies of the alkali metal chemistry of dibenzylamine and its transformation to 1,3-diphenyl-2-aza-allyl derivatives
P. C. Andrews, D. R. Armstrong, D. R. Baker, R. E. Mulvey, W. Clegg, L. Horsburgh, P. A. O’Neil and D. Reed.
Organometallics 1995, **14**, 427–439.
436. Synthetic and theoretical MO calculational studies of lithiotriazine intermediates produced during alkyllithium-induced cyclotrimerisation reactions of organic nitriles, and comparison of their structures with that of a methylmagnesiatriazine derivative
D. R. Armstrong, K. Wade, M. MacGregor, R. E. Mulvey, M. J. Ross, W. Clegg and P. A. O’Neil.
J. Organomet. Chem. 1995, **486**, 79–93.
437. Functionalisation of $[Mo_6O_{19}]^{2-}$ with aromatic amines: synthesis and structure of a hexamolybdate building block with linear difunctionality
W. Clegg, R. J. Errington, K. A. Fraser, S. A. Holmes and A. Schäfer.
J. Chem. Soc. Chem. Commun. 1995, 455–456.

438. The polymeric structure of aquacadmium bisnicotinate
W. Clegg, J. T. Cressey, A. McCamley and B. P. Straughan.
Acta Cryst. 1995, **C51**, 234–235.
439. New crystal data for $[\text{Hg}(\text{SC}_2\text{H}_5)_2]$
K. A. Fraser, W. Clegg, D. C. Craig, M. L. Scudder and I. G. Dance.
Acta Cryst. 1995, **C51**, 406–408.
440. 2,6-Diphenyl-3-vinylpyridine
W. Clegg, C. T. Hewkin and R. F. W. Jackson.
Acta Cryst. 1995, **C51**, 525–527.
441. The first solid state paramagnetic 1,2,3,5-dithiadiazolyl radical; X-ray crystal structure of
[$p\text{-NCC}_6\text{F}_4\text{CNSSN}$] $\cdot$
A. J. Banister, N. Bricklebank, W. Clegg, M. R. J. Elsegood, C. I. Gregory, I. Lavender, J. M. Rawson
and B. K. Tanner.
J. Chem. Soc. Chem. Commun. 1995, 679–680.
442. Lithium anilide complexed by pmdeta: expectation of a simple monomer, but in reality an odd trinuclear
composition combining three-, four- and five-coordinate lithium
D. Barr, W. Clegg, L. Cowton, L. Horsburgh, F. M. Mackenzie and R. E. Mulvey.
J. Chem. Soc. Chem. Commun. 1995, 891–892.
443. Hexaquaquitanium(III) tris(p -toluenesulfonate) trihydrate
M. A. S. Aquino, W. Clegg, Q.-T. Liu and A. G. Sykes.
Acta Cryst. 1995, **C51**, 560–562.
444. Contrasting structures of two adducts of zinc crotonate with substituted pyridines
W. Clegg, P. A. Hunt and B. P. Straughan.
Acta Cryst. 1995, **C51**, 613–617.
445. p -Nitrobenzyl trichloroacetimidate
W. Clegg, H. J. Pogue, M. P. Lowe, I. M. Butterfield and R. F. W. Jackson.
Acta Cryst. 1995, **C51**, 741–743.
446. Crystal structure of dilithioacetylacetone: a twenty-four vertex Li-O cage molecule with limited
Li–C(terminal) bonding and selective THF solvation
W. Clegg, L. Horsburgh, R. E. Mulvey and M. J. Ross.
Angew. Chem. Int. Ed. Engl. 1995, **34**, 1233–1234.
447. Neutral thiolates of antimony(III) and bismuth(III)
W. Clegg, M. R. J. Elsegood, L. J. Farrugia, F. J. Lawlor, N. C. Norman and A. J. Scott.
J. Chem. Soc. Dalton Trans. 1995, 2129–2135.
448. Two anionic indium(III)–thiocyanate complexes with potassium-centred complex cations
C. J. Carmalt, W. Clegg, M. R. J. Elsegood, B. O. Kneisel and N. C. Norman.
Acta Cryst. 1995, **C51**, 1254–1258.
449. Search for diastereoisomers of the 3,5-bis(trifluoromethyl)phenyldinaphtho propeller crowns: crystal
structure and molecular dynamics simulations
W. Clegg, P. J. Cooper, G. A. Forsyth and J. C. Lockhart.
J. Chem. Soc. Perkin Trans. 2 1995, 1339–1344.
450. Well-defined ethylene polymerisation catalysts derived from bis(imido) chromium(VI) precursors
M. P. Coles, C. I. Dalby, V. C. Gibson, W. Clegg and M. R. J. Elsegood.
J. Chem. Soc. Chem. Commun. 1995, 1709–1711.

451. An epoxyamide
W. Clegg, M. Ranelli and R. F. W. Jackson.
Acta Cryst. 1995, **C51**, 1604–1606.
452. Four isomeric dioxolane derivatives of D-camphorquinone
W. Clegg, B. T. Golding, B. J. King and A. B. Maude.
Acta Cryst. 1995, **C51**, 1825–1829.
453. Two products of ring opening reactions of an arylthionitrooxirane
W. Clegg, J. M. Dunbar, M. R. J. Elsegood, R. F. W. Jackson and N. J. Palmer.
Acta Cryst. 1995, **C51**, 1950–1953.
454. Dis-assembling lithium amide ladder structures: structural elucidation of the lithium anilide solvate $[\{\text{PhN(H)Li}\}_6 \cdot 8\text{THF}]$, a model intermediate *en route* to forming tetra-solvated ring dimers
W. Clegg, L. Horsburgh, F. M. Mackenzie and R. E. Mulvey.
J. Chem. Soc. Chem. Commun. 1995, 2011–2012.
455. Bis(arylimido) complexes of chromium(VI)
M. P. Coles, C. I. Dalby, V. C. Gibson and W. Clegg.
Polyhedron 1995, **14**, 2455–2459.
456. Four- versus five-co-ordinate bis(imido) alkene complexes of molybdenum: the contrasting effects of *tert*-butyl- and 2,6-diisopropylphenyl-imido substituents
P. W. Dyer, V. C. Gibson and W. Clegg.
J. Chem. Soc. Dalton Trans. 1995, 3313–3316.
457. Polymeric $[\{\text{cyclo}\{\text{bis-}\mu_3(\eta^2\text{-S}, \eta^1\text{-N})\text{-(1,3-thiazolidine-2-thionato)-bis-}\mu_4(\eta^3\text{-S}, \eta^1\text{-N})\text{-(1,3-thiazolidine-2-thionato)}\text{ tetracopper(I)}\}\text{ monotoluene solvate}]$: electrochemical synthesis, characterisation and crystal structure at 160 K
E. S. Raper, J. R. Creighton and W. Clegg.
Inorg. Chim. Acta 1995, **237**, 87–92.
458. Directed metallation of adenine- N^3 via nucleobase–ligand conjugation
C. Price, M. R. J. Elsegood, A. Houlton and W. Clegg.
J. Chem. Soc. Chem. Commun. 1995, 2285–2286.
459. Peripherally substituted cobaloximes; X-ray crystal structure analysis of σ -hexylbis[3,8-di(*N*-morpholino)octane-4,5-dioximato]pyridinecobalt(III)
B. Köhler, M. Knauer, W. Clegg, M. R. J. Elsegood, B. T. Golding and J. Rétey.
Angew. Chem. Int. Ed. Engl. 1995, **34**, 2389–2390.
460. A new approach to the synthesis of β -hydroxy- α -amino acids using (aryltio)nitrooxiranes
R. F. W. Jackson, N. J. Palmer, M. J. Wythes, W. Clegg and M. R. J. Elsegood.
J. Org. Chem. 1995, **60**, 6431–6440.
461. Dilithio acetylacetone – remarkable solid-state structural complexity
R. E. Mulvey, M. J. Ross, W. Clegg and L. Horsburgh.
Abst. Papers A. C. S. 1995, **210**, 517-INOR.
462. Novel metal imido calixarene complexes
V. C. Gibson, C. Redshaw, W. Clegg and M. R. J. Elsegood.
J. Chem. Soc. Chem. Commun. 1995, 2371–2372.
-

463. High-yield synthesis of the cuboidal rhenium cluster $[\text{Re}_4\text{S}_4(\text{CN})_{12}]^{4-}$ by reaction of the triangular cluster $[\text{Re}_3\text{S}_7\text{Br}_6]^+$ with cyanide
V. P. Fedin, M. R. J. Elsegood, W. Clegg and A. G. Sykes.
Polyhedron 1996, **15**, 485–488.
464. Preparation, structure, and solid-state reactivity of lanthanum propynoates
J. S. Brodtkin, B. M. Foxman, W. Clegg, J. T. Cressey, D. R. Harbron, P. A. Hunt and B. P. Straughan.
Chem. Mater. 1996, **8**, 242–247.
465. Spectroscopic, magnetic and structural studies on the mixed-valence cuboidal clusters $[\text{Mo}_4\text{E}_4(\text{edta})_2]^{3-}$ (E = S or Se; H_4edta = ethylenediaminetetraacetic acid) and $[\text{Mo}_4\text{S}_4(\text{H}_2\text{O})_{12}]^{5+}$
W. McFarlane, M. Nasreldin, D. M. Saysell, Z. S. Jia, W. Clegg, M. R. J. Elsegood, K. S. Murray, B. Moubaraki and A. G. Sykes.
J. Chem. Soc. Dalton Trans. 1996, 363–369.
466. Hinge distortion in platinum(II) dimers with a Pt_2S_2 ring. An *ab initio* molecular orbital study
M. Capdevila, W. Clegg, P. González-Duarte, A. Jarid and A. Lledós.
Inorg. Chem. 1996, **35**, 490–497.
467. Alkoxide hydrolysis as a route to early transition-metal polyoxometalates: synthesis and crystal structures of heteronuclear hexametalate derivatives
W. Clegg, M. R. J. Elsegood, R. J. Errington and J. Havelock.
J. Chem. Soc. Dalton Trans. 1996, 681–690.
468. Charge-transfer salts containing cyclic perfluorinated anions
M. W. Briscoe, R. D. Chambers, W. Clegg, V. C. Gibson, S. J. Mullins and J. F. S. Vaughan.
J. Fluorine Chem. 1996, **76**, 1–2.
469. Reaction of $[\text{SNS}][\text{AsF}_6]$ with $\text{Hg}(\text{CN})_2$ and PhHgCN : preparation and crystal structures of $[\text{Hg}(\text{CNSNS})_2][\text{AsF}_6]_2$ and $[\text{PhS}_4\text{N}_3\text{Ph}][\text{AsF}_6]$
C. M. Aherne, A. J. Banister, I. Lavender, S. E. Lawrence, J. M. Rawson and W. Clegg.
Polyhedron 1996, **15**, 1877–1886.
470. Selective crystallization of di-*sec*-butylmagnesium-*N,N,N',N'*-tetramethylethylenediamine from solutions containing mixtures of normal-butyl and secondary-butyl isomers
N. D. R. Barnett, W. Clegg, R. E. Mulvey, P. A. O’Neil and D. Reed.
J. Organomet. Chem. 1996, **510**, 297–300.
471. Structural investigation of homonuclear Pt_2 and heteronuclear PdPt complexes containing a metal–metal bond bridged by hydrido and sulfido ligands
W. Clegg, M. Capdevila, P. González-Duarte and J. Sola.
Acta Cryst. 1996, **B52**, 270–276.
472. Synthesis and crystal structures of some bis-benzimidazoles, -benzothiazoles and -benzoxazoles by an alternative route: their complexation with copper(II) salts
C. J. Matthews, W. Clegg, M. R. J. Elsegood, T. A. Leese, D. Thorp, P. Thornton and J. C. Lockhart.
J. Chem. Soc. Dalton Trans. 1996, 1531–1538.
473. A new architecture in lithium amide chemistry: synthesis of $[\{(c\text{-C}_5\text{H}_9)\text{N}(\text{H})\}_{12}(\text{O})\text{Li}_{14}]$, a cage molecule containing a salt-like, distorted, face-centred cube of lithium cations
W. Clegg, L. Horsburgh, P. R. Dennison, F. M. Mackenzie and R. E. Mulvey.
Chem. Commun. 1996, 1065–1066.
474. Stoichiometric dependence of the long-established reaction of butyllithium with pyridine: a hidden secondary reaction that produces a pyridine adduct of a lithiodihydropyridine
W. Clegg, L. Dunbar, L. Horsburgh and R. E. Mulvey.
Angew. Chem. Int. Ed. Engl. 1996, **35**, 753–755.

475. Synthesis and X-ray structure of zinc(II) derivatives of esters of 2-pyridinecarboxylic acid
P. González-Duarte, R. March, J. Pons, W. Clegg, L. Cucurull-Sanchez, A. Alvarez-Larena
and J. F. Piniella.
Polyhedron 1996, **15**, 2747–2754.
476. Tetrahydrofuran adducts of bismuth trichloride and bismuth tribromide
C. J. Carmalt, W. Clegg, M. R. J. Elsegood, R. J. Errington, J. Havelock, P. Lightfoot, N. C. Norman
and A. J. Scott.
Inorg. Chem. 1996, **35**, 3709–3712.
477. The first trimetallic lithium-sodium-potassium complex; synthesis and crystal structure of a twelve-vertex
 $\text{Li}_2\text{Na}_2\text{K}_2\text{N}_4\text{O}_2$ cage molecule containing an amide-alkoxide combination
F. M. Mackenzie, R. E. Mulvey, W. Clegg and L. Horsburgh.
J. Am. Chem. Soc. 1996, **118**, 4721–4722.
478. Competitive nucleophilic attack at CO and C_β of the allenyl group in $[\text{Fe}_2(\text{CO})_6(\mu\text{-PPh}_2)(\mu\text{-}\eta^1\text{:}\eta^2\text{-(H)C}_\alpha\text{=C}_\beta\text{=C}_\gamma\text{H}_2)]$. X-ray crystal structures of $[\text{Fe}_2(\text{CO})_5(\mu\text{-PPh}_2)(\mu\text{-}\eta^1(\text{O}): \eta^1(\text{C}): \eta^2(\text{C})\text{-}\{\text{O}=\text{C}(\text{N}^i\text{BuH})\text{CH}_2\}\text{C}=\text{CH}_2)] \cdot 0.5\text{C}_6\text{H}_{14}$ and $[\text{Fe}_2(\text{CO})_6(\mu\text{-PPh}_2)(\mu\text{-}\eta^1\text{:}\eta^1\text{-CH}_2\text{C}(\text{NCyH})\text{CH}_2)] \cdot \text{MeCN}$
S. Doherty, M. R. J. Elsegood, W. Clegg and M. Waugh.
Organometallics 1996, **15**, 2688–2691.
479. Vinylogous tetrathiafulvalene (TTF) π -electron donors and derived radical cations: ESR spectroscopic,
magnetic, and X-ray structural studies
M. R. Bryce, A. J. Moore, B. K. Tanner, R. Whitehead, W. Clegg, F. Gerson, A. Lamprecht
and S. Pfenninger.
Chem. Mater. 1996, **8**, 1182–1188.
480. An unprecedented regiospecific attack of phosphorus nucleophiles at C_α of the allenyl ligand in
 $[\text{Fe}_2(\text{CO})_6(\mu\text{-PPh}_2)\{\mu\text{-}\eta^1\text{:}\eta^2\alpha,\beta\text{-(H)C}_\alpha\text{=C}_\beta\text{=C}_\gamma\text{H}_2\}]$
S. Doherty, M. R. J. Elsegood, W. Clegg, T. H. Scanlan and N. H. Rees.
Chem. Commun. 1996, 1545–1546.
481. A diaza analogue of benzo-15-crown-5
W. Clegg, P. J. Cooper and J. C. Lockhart.
Acta Cryst. 1996, **C52**, 1795–1797.
482. Stereoselective addition of organometallic reagents to *N*-(tosyl)vinylsulfoximines
R. F. W. Jackson, A. D. Briggs, P. A. Brown, W. Clegg, M. R. J. Elsegood and C. Frampton.
J. Chem. Soc. Perkin Trans. 1 1996, 1673–1682.
483. Benzyl(trimethylsilyl)amidolithium: structural studies by *ab initio* MO and X-ray crystallographic
methods, and comparison with the known structures of dibenzyl and bis(trimethylsilyl) analogues
D. R. Armstrong, D. R. Baker, F. J. Craig, R. E. Mulvey, W. Clegg and L. Horsburgh.
Polyhedron 1996, **15**, 3533–3542.
484. The first magnesium amide trimer, magnesio-1,8-diaminonaphthalene-hexamethylphosphoramidate:
introducing an unprecedented cage assembly incorporating an Mg_3 unit within a N_6 trigonal prism
W. Clegg, L. Horsburgh, R. E. Mulvey and R. Rowlings.
Chem. Commun. 1996, 1739–1740.
485. X-ray crystallographic studies and comparative reactivity studies of a sodium diisopropylamide (NDA)
complex and related hindered amides
P. C. Andrews, N. D. R. Barnett, R. E. Mulvey, W. Clegg, P. A. O’Neil, D. Barr, L. Cowton,
A. J. Dawson and B. J. Wakefield.
J. Organomet. Chem. 1996, **518**, 85–95.

486. The product of catalysed diboration of bis(4-methoxyphenyl)ethyne by bis(pinacolato-O,O')diboron
W. Clegg, A. J. Scott, G. Lesley, T. B. Marder and N. C. Norman.
Acta Cryst. 1996, **C52**, 1989–1991.
487. The products of catalysed diboration of bis(*p*-tolyl)ethyne and of 4-cyanophenylethyne by
bis(catecholato-O,O')diboron
W. Clegg, A. J. Scott, G. Lesley, T. B. Marder and N. C. Norman.
Acta Cryst. 1996, **C52**, 1991–1995.
488. Synthesis and reactivity of the first stable chromium(VI) alkylidene complexes
M. P. Coles, V. C. Gibson, W. Clegg, M. R. J. Elsegood and P. A. Porrelli.
Chem. Commun. 1996, 1963–1964.
489. First results from the new Daresbury chemical/materials single-crystal diffraction beam-line 9.8
W. Clegg.
Acta Cryst. 1996, **A52**, C13.
490. Investigation of the solid state crystal structures of conjugated rigid-rod compounds: preliminary attempts
to correlate packing with liquid crystalline phase behaviour
A. J. Scott, W. Clegg, C. Dai, P. Nguyen, G. Lesley, F. Somera, M. P. Hirsch, N. J. Taylor
and T. B. Marder.
Acta Cryst. 1996, **A52**, C447.
491. A 3:1 disordered solid solution of di- μ -methoxo-O:O-bis[trimethoxooxomolybdenum(VI)] and
di- μ -methoxo-O:O-bis[chlorodimethoxooxomolybdenum(VI)]
W. Clegg, M. R. J. Elsegood, R. J. Errington and R. Bakri.
Acta Cryst. 1996, **C52**, 2145–2148.
492. The AsF_6^- salt of a 1,2-dithia-4-azolylium cation with sterically demanding substituents
W. Clegg, M. R. J. Elsegood, A. J. Banister and T. G. Hibbert.
Acta Cryst. 1996, **C52**, 2148–2150.
493. Vanadium complexes containing the 2,4,6-tris(trifluoromethyl)phenyl ('fluoromes') ligand
V. C. Gibson, C. Redshaw, L. J. Sequeira, K. B. Dillon, W. Clegg and M. R. J. Elsegood.
Chem. Commun. 1996, 2151–2152.
494. Interconversion and reactivity of two heterometallic tin-containing cuboidal clusters from
[$\text{Mo}_3\text{S}_4(\text{H}_2\text{O})_9$] $^{4+}$: X-ray structure of the single cube with an Mo_3SnS_4 core
J. E. Varey, G. J. Lamprecht, V. P. Fedin, A. Holder, W. Clegg, M. R. J. Elsegood and A. G. Sykes.
Inorg. Chem. 1996, **35**, 5525–5530.
495. (μ_2 -Pinacolato-O,O')-bis(pinacolato-O,O')-diboron
W. Clegg, A. J. Scott, C. Dai, G. Lesley, T. B. Marder, N. C. Norman and L. J. Farrugia.
Acta Cryst. 1996, **C52**, 2545–2547.
496. Conformational flexibility in *N*-benzylideneanilines
W. Clegg, M. R. J. Elsegood, S. L. Heath, A. Houlton and M. A. Shipman.
Acta Cryst. 1996, **C52**, 2548–2552.
497. Novel octameric structure of the lithium primary amide [$\{\text{Bu}^t\text{N}(\text{H})\text{Li}\}_8$] and its implication for the
directed synthesis of heterometallic imide cages
N. D. R. Barnett, W. Clegg, L. Horsburgh, D. M. Lindsay, Q.-Y. Liu, F. M. Mackenzie, R. E. Mulvey
and P. G. Williard.
Chem. Commun. 1996, 2321–2322.

498. A sulfonyl-substituted aziridine
W. Clegg, S. L. Heath, L. Horsburgh, R. F. W. Jackson and A. Wood.
Acta Cryst. 1996, **C52**, 2779–2781.
499. A sulfoximinooxirane
W. Clegg, M. R. J. Elsegood, R. F. W. Jackson, P. L. Bailey and A. D. Briggs.
Acta Cryst. 1996, **C52**, 2781–2783.
500. Synthesis and characterization of platinum(II)–bis(boryl) catalyst precursors for diboration of alkynes and diynes: molecular structures of *cis*-[(PPh₃)₂Pt(B-4-Bu^tcat)₂], *cis*-[(PPh₃)₂Pt(Bcat)₂], *cis*-[(dppe)Pt(Bcat)₂], *cis*-[(dppb)Pt(Bcat)₂], (*E*)-(4-MeOC₆H₄)C(Bcat)=CH(Bcat), (*Z*)-(C₆H₅)C(Bcat)=C(C₆H₅)(Bcat), and (*Z,Z*)-(4-MeOC₆H₄)C(Bcat)=C(Bcat)C(Bcat)=C(4-MeOC₆H₄)(Bcat) (cat = 1,2-O₂C₆H₄; dppe = Ph₂PCH₂CH₂PPh₂; dppb = Ph₂P(CH₂)₄PPh₂)
G. Lesley, P. Nguyen, N. J. Taylor, T. B. Marder, A. J. Scott, W. Clegg and N. C. Norman.
Organometallics 1996, **15**, 5137–5154.
501. Metallocene–nucleobase conjugates. Synthesis, structure and nucleic acid binding
C. Price, M. Aslanoglu, C. J. Isaac, M. R. J. Elsegood, W. Clegg, B. R. Horrocks and A. Houlton.
J. Chem. Soc. Dalton Trans. 1996, 4115–4120.
502. Macropolyhedral boron-containing cluster chemistry: nineteen-vertex [(PPh₃)NiS₂B₁₆H₁₂(PPh₃)] and eighteen-vertex S₂B₁₆H₁₄(PPh₃)
P. Kaur, M. Thornton-Pett, W. Clegg and J. D. Kennedy.
J. Chem. Soc. Dalton Trans. 1996, 4155–4157.
503. Bent versus linear imido ligands in five-co-ordinate molybdenum complexes
V. C. Gibson, E. L. Marshall, C. Redshaw, W. Clegg and M. R. J. Elsegood.
J. Chem. Soc. Dalton Trans. 1996, 4197–4199.
504. Spontaneous magnetization in a sulfur-nitrogen radical at 36 K
A. J. Banister, N. Bricklebank, I. Lavender, J. M. Rawson, C. I. Gregory, B. K. Tanner, W. Clegg, M. R. J. Elsegood and F. Palacio.
Angew. Chem. Int. Ed. Engl. 1996, **35**, 2533–2535.
505. A strained cyclononadieneyne
W. Clegg, A. R. Al Dulayymi and M. S. Baird.
Acta Cryst. 1996, **C52**, 3219–3222.
506. Oxidative addition of a B–B bond by an Ir(I) complex: molecular structure of *mer-cis*-[Ir(PMe₃)₃Cl(Bcat)₂]
C. Dai, G. Stringer, T. B. Marder, R. T. Baker, A. J. Scott, W. Clegg and N. C. Norman.
Can. J. Chem. 1996, **74**, 2026–2031.
507. Synthesis of “phosphine tethered” η^2 -allene and μ - η^1 : η^2 -alkenyl complexes: facile P–C $_{\alpha}$ bond formation and C–H activation reactions of bis(diphenylphosphino)methane with [Fe₂(CO)₆(μ -ER){(μ - η^1 : $\eta^2_{\alpha,\beta}$ -(H)(C $_{\alpha}$ =C $_{\beta}$ =C $_{\gamma}$ H₂)}] (E = PPh, R = Ph; E = S, R = ^tBu)
S. Doherty, M. R. J. Elsegood, W. Clegg, D. Mampe and N. H. Rees.
Organometallics 1996, **15**, 5302–5308.
508. Bridged bis(imido)molybdenum complexes: isolobal analogues of *ansa*-zirconocenes and bi-zirconocenes
V. C. Gibson, C. Redshaw, W. Clegg, M. R. J. Elsegood, U. Siemeling and T. Türk.
J. Chem. Soc. Dalton Trans. 1996, 4513–4515.

509. A route to bis(benzimidazole) ligands with built-in asymmetry: potential models for protein binding sites having histidines of different basicity
C. J. Matthews, T. A. Leese, W. Clegg, M. R. J. Elsegood, L. Horsburgh and J. C. Lockhart.
Inorg. Chem. 1996, **35**, 7563–7571.

510. Crystal structure determination and *ab initio* molecular structure prediction for *exo,exo*- α -P₄Se₃(CN)₂, the first phosphorus selenide cyanide
B. W. Tattershall, E. L. Sandham and W. Clegg.
J. Chem. Soc. Dalton Trans. 1997, 81–87.
511. Macropolyhedral boron-containing cluster chemistry: isolation and characterization of twenty-one-vertex [(PMe₂Ph)₃HReB₂₀H₁₅Ph(PHMe₂)]
P. Kaur, S. D. Perera, T. Jelínek, B. Štíbir, J. D. Kennedy, W. Clegg and M. Thornton-Pett.
Chem. Commun. 1997, 217–218.
512. Facilitation of displacements at the 6-position of purines by the use of 1,4-diazabicyclo[2.2.2]octane as leaving group
N. K. Lembiz, S. Grant, W. Clegg, R. J. Griffin, S. L. Heath and B. T. Golding.
J. Chem. Soc. Perkin Trans. 1 1997, 185–186.
513. Effects of metal-centre orbital control on cluster character and electron distribution between borane and hydrocarbon ligands; significance of the structures of [μ -9,10-(SMe)-8,8-(PPh₃)₂-*nido*-8,7-IrSB₉H₉] and μ -9,10-(SMe)-8-(η^4 -C₅Me₅H)-*nido*-8,7-RhSB₉H₉]
R. Macías, J. Holub, J. D. Kennedy, B. Štíbir, M. Thornton-Pett and W. Clegg.
J. Chem. Soc. Dalton Trans. 1997, 149–151.
514. Synthesis and characterization of rhodium(I) boryl and rhodium(III) tris(boryl) compounds: molecular structures of [(PMe₃)₄Rh(B(cat))]₂ and *fac*-[(PMe₃)₃Rh(B(cat))₃] (cat = 1,2-O₂C₆H₄)
C. Dai, G. Stringer, T. B. Marder, A. J. Scott, W. Clegg and N. C. Norman.
Inorg. Chem. 1997, **36**, 272–273.
515. Unexpected structure of 1,3-diphenyl-2-azaallylpotassium-N,N,N',N'',N''-pentamethyldiethylenetriamine: infinite, zigzag chains of alternating cations and two distinct types of anion, one azaallyl bonded, the other allyl bonded
P. C. Andrews, D. R. Armstrong, W. Clegg, F. J. Craig, L. Dunbar and R. E. Mulvey.
Chem. Commun. 1997, 319–320.
516. New reaction pathways for μ - η^1, η^2 -allenyl ligands: on–off allenyl coordination and CO insertion into the hydrocarbyl bridge in Ru₂(CO)₆(μ -PPh₂){ μ - $\eta^1, \eta^2_{\alpha, \beta}$ -C(Ph)=C=CPh₂ }
P. Blenkiron, J. F. Corrigan, N. J. Taylor, A. J. Carty, S. Doherty, M. R. J. Elsegood and W. Clegg.
Organometallics 1997, **16**, 297–300.
517. Lewis-base adducts of the diborane(4) compounds B₂(1,2-E₂C₆H₄)₂ (E = O or S)
W. Clegg, C. Dai, F. J. Lawlor, T. B. Marder, P. Nguyen, N. C. Norman, N. L. Pickett, W. P. Power and A. J. Scott.
J. Chem. Soc. Dalton Trans. 1997, 839–846.
518. Nucleophilic addition of alcohols to [Fe₂(CO)₆(μ -PPh₂){ μ - $\eta^1: \eta^2_{\alpha, \beta}$ -(R)C α =C β =C γ H₂ }] (R = H, Ph): generation of the binuclear β, γ -unsaturated esters [Fe₂(CO)₅(μ -PPh₂)(μ - η^1 (O): η^1 (C): η^2 (C)-{R¹O(O)CCH₂}C=CH₂)] (R¹ = Me, Et, ⁱPr)
S. Doherty, M. R. J. Elsegood, W. Clegg and D. Mampe.
Organometallics 1997, **16**, 1186–1192.
519. A tetracyclic benzimidazole derivative of Kemp's triacid
C. J. Matthews, S. L. Heath, W. Clegg and J. C. Lockhart.
J. Chem. Soc. Perkin Trans. 2 1997, 665–666.

520. Lithiated amidines: syntheses and structural characterisations
J. Barker, D. Barr, N. D. R. Barnett, W. Clegg, I. Cragg-Hine, M. G. Davidson, R. P. Davies,
S. M. Hodgson, J. A. K. Howard, M. Kilner, C. W. Lehmann, I. Lopez-Solera, R. E. Mulvey,
P. R. Raithby and R. Snaith.
J. Chem. Soc. Dalton Trans. 1997, 951–955.
521. Neutral [2]catenanes from oxidative coupling of π -stacked components
D. G. Hamilton, J. K. M. Sanders, J. E. Davies, W. Clegg and S. J. Teat.
Chem. Commun. 1997, 897–898.
522. Isolation and structural characterization of novel compounds containing B₄O₂ rings
C. J. Carmalt, W. Clegg, A. H. Cowley, F. J. Lawlor, T. B. Marder, N. C. Norman, C. R. Rice,
O. J. Sandoval and A. J. Scott.
Polyhedron 1997, **13**, 2325–2328.
523. “Potassium potassates” based on dihydrotriazinide ligands: syntheses, crystal structures, and comparison
with other alkali metal dihydrotriazinide compounds
W. Clegg, M. R. J. Elsegood, L. Horsburgh, R. E. Mulvey and M. J. Ross.
Chem. Ber. 1997, **130**, 621–631.
524. Preparation, structure and properties of trinuclear [M₃Se₄(CN)₉]⁵⁻ (M = Mo or W) complexes obtained
from M₃Se₇ core compounds and related studies
V. P. Fedin, G. J. Lamprecht, T. Kohzuma, W. Clegg, M. R. J. Elsegood and A. G. Sykes.
J. Chem. Soc. Dalton Trans. 1997, 1747–1751.
525. Diborane(4) compounds and transition metal catalysed diboration reactions
W. Clegg, C. Dai, F. J. Lawlor, G. Lesley, T. B. Marder, P. Nguyen, N. C. Norman, N. L. Pickett,
C. R. Rice, E. G. Robins, A. J. Scott and N. J. Taylor.
Advances in Boron Chemistry, ed. W. Siebert, Royal Society of Chemistry, Cambridge, 1997, 389–392.
526. Benzyltrimethylammonium tetramethoxoborate
W. Clegg, R. J. Errington and C. J. Carmalt.
Acta Cryst. 1997, **C53**, 751–753.
527. *N*-(2,3,5,6-Tetrachloropyrid-4-yl)cinnamide
W. Clegg, M. R. J. Elsegood, R. F. W. Jackson, J. L. Fraser and L. J. Emsden.
Acta Cryst. 1997, **C53**, 797–799.
528. Macropolyhedral boron-containing cluster chemistry. Assessment of the possibilities of thermolytic
mixed-cluster fusion, and of the use of synchrotron X-radiation for the examination of small single
crystals of metallaboranes. Isolation and structure of eighteen-vertex
[7-(CO)-7,7-(PMe₃)₂-syn-7-IrB₁₇H₂₀]
J. Bould, W. Clegg, J. D. Kennedy, S. J. Teat and M. Thornton-Pett.
J. Chem. Soc. Dalton Trans. 1997, 2005–2007.
529. Preparation, structure and reactivity of the di- μ -disulfido Nb^{IV}₂ aqua ion [Nb₂(μ -S₂)₂(H₂O)₈]⁴⁺, the
structure of [Nb₂(μ -S₂)₂(NCS)₈]⁴⁻, and properties of the related (μ -S)₂ aqua ion
M. N. Sokolov, R. Hernandez-Molina, M. R. J. Elsegood, S. L. Heath, W. Clegg and A. G. Sykes.
J. Chem. Soc. Dalton Trans. 1997, 2059–2065.
530. Mixed aggregation between lithium diisopropylamide and lithium chloride: NMR, solid-state structure
and *ab initio* calculations
W. Clegg, J. C. Greer, J. M. Hayes, F. S. Mair, P. M. Nolan and P. A. O’Neil.
Inorg. Chim. Acta 1997, **258**, 1–9.

531. Synthesis and structural characterization of some novel metalboroxides bearing boron-bound mesityl and fluoromesityl substituents: the molecular structure of the first metallaboroxane complex
V. C. Gibson, C. Redshaw, W. Clegg and M. R. J. Elsegood.
Polyhedron 1997, **16**, 2637–2641.
532. Exploiting a substituted dihydrotriazinide as a novel bulky ligand: synthesis and crystal structure of a rubidium complex with an unprecedented tetrameric cyclic core
W. Clegg, A. M. Drummond, R. E. Mulvey and P. O'Shaughnessy.
Chem. Commun. 1997, 1301–1302.
533. Addition of organolithium nucleophiles to the diiron allenyl complex $[\text{Fe}_2(\text{CO})_6(\mu\text{-PPh}_2)\{\mu\text{-}\eta^1\text{:}\eta^2_{\alpha,\beta}\text{-(H)C}_\alpha\text{=C}_\beta\text{=C}_\gamma\text{H}_2\}]$: synthesis and characterization of organodiiron-coordinated β,γ -unsaturated ketones
S. Doherty, M. R. J. Elsegood, W. Clegg, N. H. Rees, T. H. Scanlan and M. Waugh.
Organometallics 1997, **16**, 3221–3228.
534. Can alkali-metal ions influence the coordination and reactivity of calix[4]arenes at transition-metal centres?
V. C. Gibson, C. Redshaw, W. Clegg and M. R. J. Elsegood.
Chem. Commun. 1997, 1605–1606.
535. Evidence for directed metalation: a structural intermediate in the formation of a novel C-bound adenine complex of ruthenium
C. Price, M. R. J. Elsegood, W. Clegg, N. H. Rees and A. Houlton.
Angew. Chem. Int. Ed. Engl. 1997, **36**, 1762–1764.
536. 5-(*o*-Chlorophenyl)-1,3-dithia-2,4-diazolylum hexafluoroarsenate
W. Clegg, M. R. J. Elsegood, A. J. Banister and T. G. Hibbert.
Acta Cryst. 1997, **C53**, 1208–1211.
537. A new high-flux chemical and materials crystallography station at the SRS Daresbury. 1. Design, construction and test results
R. J. Cernik, W. Clegg, C. R. A. Catlow, G. Bushnell-Wye, J. V. Flaherty, G. N. Greaves, I. Burrows, D. J. Taylor, S. J. Teat and M. Hamichi.
J. Synchrotron Rad. 1997, **4**, 279–286.
538. Practical aspects of structure refinement
W. Clegg.
B. C. A. Intensive School, Durham University, 1997, unnumbered pages.
539. Synthesis and characterisation of molybdenum complexes bearing highly functionalised imido substituents
V. C. Gibson, C. Redshaw, W. Clegg and M. R. J. Elsegood.
J. Chem. Soc. Dalton Trans. 1997, 3207–3212.
540. Pentamethylcyclopentadienyl tungsten complexes containing imido, hydrazido and amino acid derived N–O chelate ligands
C. Redshaw, V. C. Gibson, W. Clegg, A. J. Edwards and B. Miles.
J. Chem. Soc. Dalton Trans. 1997, 3343–3347.
541. Reaction of phosphites with the electrophilic allenyl complex $[\text{Fe}_2(\text{CO})_6(\mu\text{-PPh}_2)\{\mu\text{-}\eta^1\text{:}\eta^2\text{-(H)C}_\alpha\text{=C}_\beta\text{=C}_\gamma\text{H}_2\}]$: stepwise transformation of a $\mu\text{-}\eta^1\text{:}\eta^2$ -allenyl into a $\mu\text{-}\eta^1\text{:}\eta^2$ -acetylide vs phosphite activation
S. Doherty, M. R. J. Elsegood, W. Clegg, M. F. Ward and M. Waugh.
Organometallics 1997, **16**, 4251–4253.

542. Reaction of thiophenol with glucal epoxides: X-ray structure of 3,4,6-tri-O-tert-butyldimethylsilyl-1-S-phenyl-1-thio- α -D-glucopyranoside
C. Walford, R. F. W. Jackson, N. H. Rees, W. Clegg and S. L. Heath.
Chem. Commun. 1997, 1855–1856.
543. Organometallic compounds of the alkali metals with phenylsilyl substituents at the carbanionic center. Crystal structures of $\text{LiC}(\text{SiMe}_3)_2(\text{SiMe}_2\text{Ph})\cdot\text{Et}_2\text{O}$, $\text{NaC}(\text{SiMe}_3)_2(\text{SiMe}_2\text{Ph})\cdot\text{TMEDA}$, $\text{NaC}(\text{SiMe}_3)(\text{SiMe}_2\text{Ph})_2\cdot\text{TMEDA}$, $\text{RbC}(\text{SiMe}_2\text{Ph})_3$, and $\text{CsC}(\text{SiMe}_2\text{Ph})_3$ (TMEDA = tetramethylethylenediamine)
C. Eaborn, W. Clegg, P. B. Hitchcock, M. Hopman, K. Izod, P. O'Shaughnessy and J. D. Smith.
Organometallics 1997, **16**, 4728–4736.
544. Synthesis and structure of bis(methylaluminium.NCCH₃)-*p*-tert-butylcalix[4]arene
V. C. Gibson, C. Redshaw, W. Clegg and M. R. J. Elsegood.
Polyhedron 1997, **16**, 4385–4387.
545. Theoretical, structural and NMR studies of fluxionality in thiolato-bridged platinum(II)-platinum(IV) dinuclear complexes
N. Duran, P. González-Duarte, A. Lledós, T. Tarella, J. Sola, G. Ujaque, W. Clegg and K. A. Fraser.
Inorg. Chim. Acta 1997, **265**, 89–102.
546. 4,4'-Dimethoxytrityl and 4,4',4''-trimethoxytrityl as protecting groups for amino functions; selectivity for primary amino groups and application in ¹⁵N-labelling
A. P. Henderson, J. Riseborough, C. Bleasdale, W. Clegg, M. R. J. Elsegood and B. T. Golding.
J. Chem. Soc. Perkin Trans. 1 1997, 3407–3413.
547. An unusual rearrangement of isoxazoles to 2-alkenoylpyrroles or 1-azafulvenes
A. R. Al Dulayymi, M. S. Baird and W. Clegg.
Tetrahedron Lett. 1997, **38**, 8271–8274.
548. Mercury(II) halide adducts of esters of 2-pyridinecarboxylic acid. Crystal structures and structural variations within the series $[\text{HgCl}_2(\text{C}_5\text{H}_4\text{NCOOR})]$, R = Me, Et, Prⁿ, Prⁱ
A. Álvarez-Larena, W. Clegg, L. Cucurull-Sanchez, P. González-Duarte, R. March, J. F. Piniella, J. Pons and X. Solans.
Inorg. Chim. Acta 1997, **266**, 81–90.
549. The first structurally authenticated σ -bonded organosamarium(II) derivative and its reaction with benzophenone
W. Clegg, C. Eaborn, K. Izod, P. O'Shaughnessy and J. D. Smith.
Angew. Chem. Int. Ed. Engl. 1997, **36**, 2815–2817.
550. Solid state structures and dynamic solution equilibria of bis(dibenzylamido)magnesium complexes: aggregation dependence on stoichiometry and denticity of donor solvent
W. Clegg, F. J. Craig, K. Wade, A. R. Kennedy, R. E. Mulvey, P. A. O'Neil and D. Reed.
Inorg. Chem. 1997, **36**, 6238–6246.
551. Modelling the dioldehydratase reaction
B. Köhler, M. Knauer, W. Clegg, M. R. J. Elsegood, B. T. Golding and J. Rétey.
Bioinorganic Chemistry: Transition Metals in Biology and their Coordination Chemistry, ed. A. X. Trautwein, Wiley-VCH, Weinheim, 1997, 505–519.
-
552. A 3:1 mixed aggregate of diphenylamidolithium with lithium chloride: crystal structure of $[(\text{Ph}_2\text{NLi})_3\text{LiCl}\cdot 3\text{tmen}]$ (tmen = *N,N,N',N'*-tetramethylethylenediamine)
W. Clegg, A. J. Edwards, F. S. Mair and P. M. Nolan.
Chem. Commun. 1998, 23–24.

553. Structure of templated microcrystalline DAF-5 ($\text{Co}_{0.28}\text{Al}_{0.72}\text{PO}_4\text{C}_{10}\text{H}_{20}\text{N}_2$) determined by synchrotron-based diffraction methods
G. Sankar, J. K. Wyles, R. H. Jones, J. M. Thomas, C. R. A. Catlow, D. W. Lewis, W. Clegg, S. J. Coles and S. J. Teat.
Chem. Commun. 1998, 117–118.
554. Boron–boron bond oxidative addition to rhodium(I) and iridium(I) centres
W. Clegg, F. J. Lawlor, T. B. Marder, P. Nguyen, N. C. Norman, A. G. Orpen, M. J. Quayle, C. R. Rice, E. G. Robins, A. J. Scott, F. E. S. Souza, G. Stringer and G. R. Whittell.
J. Chem. Soc. Dalton Trans. 1998, 301–309.
555. New alkali metal primary amide ladder structures derived from $t\text{BuNH}_2$: building cisoid and transoid ring conformations into ladder frameworks
W. Clegg, K. Wade, L. Horsburgh, F. M. Mackenzie and R. E. Mulvey.
Chem. Eur. J. 1998, **4**, 53–56.
556. Organically templated layered uranium(VI) phosphates: hydrothermal syntheses and structures of $[\text{NH}_4\text{Et}_3][(\text{UO}_2)_2(\text{PO}_4)(\text{HPO}_4)]$ and $[\text{NPr}_4][(\text{UO}_2)_3(\text{PO}_4)(\text{HPO}_4)_2]$
R. J. Francis, M. J. Drewitt, P. S. Halasyamani, C. Ranganathachar, D. O'Hare, W. Clegg and S. J. Teat.
Chem. Commun. 1998, 279–280.
557. Coordination of Zn(II), Cd(II), Hg(II), and Ag(I) by bis(benzimidazole) ligands
C. J. Matthews, W. Clegg, S. L. Heath, N. C. Martin, M. N. S. Hill and J. C. Lockhart.
Inorg. Chem. 1998, **37**, 199–207.
558. The first stable copper(II) complex containing four sulfide ligands: synthesis and structural characterization of $[\text{Pt}_2(\text{dppe})_2(\mu\text{-S})_2]$ and $[\text{Cu}\{\text{Pt}_2(\text{dppe})_2(\mu_3\text{-S})_2\}_2]^{2+}$
M. Capdevila, Y. Carrasco, W. Clegg, R. A. Coxall, P. González-Duarte, A. Lledós, J. Sola and G. Ujaque.
Chem. Commun. 1998, 597–598.
559. Tandem hetero-catenation: templating and self-assembly in the mutual closure of two different interlocking rings
D. G. Hamilton, N. Feeder, L. Prodi, S. J. Teat, W. Clegg and J. K. M. Sanders.
J. Am. Chem. Soc. 1998, **120**, 1096–1097.
560. Unprecedented polycrystal structure of a new cadmium thiolate containing an unusually highly charged $[\text{ClCd}_8\{\text{SCH}(\text{CH}_2\text{CH}_2)_2\text{N}(\text{H})\text{Me}\}_{16}]^{15+}$ core
P. González-Duarte, W. Clegg, I. Casals, J. Sola and J. Rius.
J. Am. Chem. Soc. 1998, **120**, 1260–1266.
561. Diphenylzirconocene
W. Clegg, L. Horsburgh, D. M. Lindsay and R. E. Mulvey.
Acta Cryst. 1998, **C54**, 315–317.
562. A highly π -stacked organic semiconductor for thin film transistors based on fused thiophenes
X.-C. Li, H. Sirringhaus, F. Garnier, A. B. Holmes, S. C. Moratti, N. Feeder, W. Clegg, S. J. Teat and R. H. Friend.
J. Am. Chem. Soc. 1998, **120**, 2206–2207.
563. Oxidative addition of boron–boron, boron–chlorine and boron–bromine bonds to platinum(0)
W. Clegg, F. J. Lawlor, G. Lesley, T. B. Marder, N. C. Norman, A. G. Orpen, M. J. Quayle, C. R. Rice, A. J. Scott and F. E. S. Souza.
J. Organomet. Chem. 1998, **550**, 183–192.

564. A structural and theoretical study of the monolithiation of hydroxylamines
D. R. Armstrong, W. Clegg, S. M. Hodgson, R. Snaith and A. E. H. Wheatley.
J. Organomet. Chem. 1998, **550**, 233–240.
565. Organophosphonate derivatives of titanium and niobium alkoxoanions
R. J. Errington, J. Ridland, K. J. Willett, W. Clegg, R. A. Coxall and S. L. Heath.
J. Organomet. Chem. 1998, **550**, 473–476.
566. [cyclo{tetrakis- $\mu_3(\eta^2\text{-S}, \eta^1\text{-N})$ -(1,3-thiazolidine-2-thionato)-bis- $(\eta^1\text{-S})$ -(1,3-thiazolidine-2-thione)-tetracopper(I)}]: electrochemical synthesis, characterisation and crystal structure at 160K
E. S. Raper, J. R. Creighton, W. Clegg, L. Cucurull-Sanchez, M. N. S. Hill and P. D. Akrivos.
Inorg. Chim. Acta 1998, **271**, 57–64.
567. The first structural studies on trithiocyanuric acid: the solid state structures of its HMPA adduct and its mono-lithiated HMPA complex
W. Clegg, J. E. Davies, M. R. J. Elsegood, E. Lamb, J. J. Longridge, J. M. Rawson, R. Snaith and A. E. H. Wheatley.
Inorg. Chem. Commun. 1998, **1**, 58–60.
568. β -Diketonate derivatives of titanium alkoxides: X-ray crystal structures and solution dynamics of the binuclear complexes [$\{\text{Ti}(\text{OR})_3(\text{dik})\}_2$]
R. J. Errington, J. Ridland, W. Clegg, R. A. Coxall and J. M. Sherwood.
Polyhedron 1998, **17**, 659–674.
569. Synthesis and structure of the novel octalithium-dipotassium mixed oxide-alkoxide cage complex [$\text{Li}_8\text{K}_2(\text{O})(\text{Bu}^t\text{O})_8 \cdot 2\text{TMEDA}$]
F. M. Mackenzie, R. E. Mulvey, W. Clegg and L. Horsburgh.
Polyhedron 1998, **17**, 993–998.
570. Alkaline earth diazapentadienyl compounds: structure of [$\text{Ba}_2\{(\text{C}_6\text{H}_{11})\text{NC}(\text{Me})\text{CHC}(\text{Me})\text{N}(\text{C}_6\text{H}_{11})\}_3\{(\text{SiMe}_3)_2\text{N}\}$]
W. Clegg, S. J. Coles, E. K. Cope and F. S. Mair.
Angew. Chem. Int. Ed. 1998, **37**, 796–798.
571. Reactions of mercury(II) with 2-pyridinecarboxylic and 6-methyl-2-pyridinecarboxylic acids and corresponding esters. Crystal structures of [$\text{Hg}(\text{C}_5\text{H}_4\text{NCOO})_2$], [$\text{HgX}_2(\text{C}_5\text{H}_4\text{NCOOPr}^t)$], X = Br or I and [$\text{HgCl}_2(\text{MeC}_5\text{H}_3\text{NCOOEt})$]
P. González-Duarte, Á. Leiva, R. March, J. Pons, W. Clegg, X. Solans, A. Álvarez-Larena and J. F. Piniella.
Polyhedron 1998, **17**, 1591–1600.
572. Crystal structure of a heavier alkali metal diisopropylamide complex: a discrete $(\text{KN})_2$ ring dimer with TMEDA chelation and short intramolecular $\text{K}(\cdots)\text{H}(\text{C})$ contacts
W. Clegg, S. Kleditzsch, R. E. Mulvey and P. O'Shaughnessy.
J. Organomet. Chem. 1998, **558**, 193–196.
573. Platinum-catalysed 1,4-diboration of 1,3-dienes
W. Clegg, T. R. F. Johann, T. B. Marder, N. C. Norman, A. G. Orpen, T. M. Peakman, M. J. Quayle, C. R. Rice and A. J. Scott.
J. Chem. Soc. Dalton Trans. 1998, 1431–1438.
574. A novel, internally-solvated phosphinomethanide; crystal structure of $\text{Li}[\text{C}(\text{SiMe}_3)_2\{\text{P}(\text{C}_6\text{H}_4\text{CH}_2\text{NMe}_2)_2\}]$
W. Clegg, S. Doherty, K. Izod and P. O'Shaughnessy.
Chem. Commun. 1998, 1129–1130.

575. Synthesis and solid-state structures of three magnesium diamide complexes derived from $\text{RN(H)CH}_2\text{CH}_2\text{N(H)R}$ diamine precursors ($\text{R} = \text{Ph}$ or PhCH_2)
W. Clegg, L. Horsburgh, R. E. Mulvey, M. J. Ross, R. B. Rowlings and V. Wilson.
Polyhedron 1998, **17**, 1923–1930.
576. Structural characterization of $[\text{2,6-Pr}^i_2\text{C}_6\text{H}_3] \text{NC}(\text{Me})\text{C}(\text{H})\text{C}(\text{Me})\text{N}(\text{2,6-Pr}^i_2\text{C}_6\text{H}_3)\text{K} \cdot \text{PhCH}_3]_\infty$: a heavy alkali metal diazapentadienyl complex
W. Clegg, E. K. Cope, A. J. Edwards and F. S. Mair.
Inorg. Chem. 1998, **37**, 2317–2319.
577. 4-Cyano-4'-[(4R)-4,5-epoxypentyloxy]biphenyl: a pseudosymmetry problem solved with synchrotron data
W. Clegg, S. J. Coles, I. A. Fallis, P. M. Griffiths and S. J. Teat.
Acta Cryst. 1998, **C54**, 882–885.
578. Complexes of heterocyclic thiones and group twelve metals. Part 1. Preparation and characterisation of 1:1 complexes of mercury(II) halides with 1-methylimidazoline-2(3H)-thione: the crystal structure of $[(\mu_2\text{-dibromo})\text{bis}(\text{trans}\{(\text{bromo})(1\text{-methyl-imidazoline-2(3H)-thione})\}\text{mercury(II)})]$ at 160 K
E. S. Raper, J. R. Creighton, N. A. Bell, W. Clegg and L. Cucurull-Sanchez.
Inorg. Chim. Acta 1998, **277**, 14–20.
579. Preparation, structure, and properties of the arsenic-containing corner-shared double cube $[\text{Mo}_6\text{AsS}_8(\text{H}_2\text{O})_{18}]^{8+}$: metal–metal bonding and a classification of different cluster types
R. Hernandez-Molina, A. J. Edwards, W. Clegg and A. G. Sykes.
Inorg. Chem. 1998, **37**, 2989–2994.
580. Preparation, structure, and reactivity of heterometallic Sn-containing single- and double-cube derivatives of $[\text{Mo}_3\text{Se}_4(\text{H}_2\text{O})_9]^{4+}$ and $[\text{W}_3\text{Se}_4(\text{H}_2\text{O})_9]^{4+}$
R. Hernandez-Molina, D. N. Dybtsev, V. P. Fedin, M. R. J. Elsegood, W. Clegg and A. G. Sykes.
Inorg. Chem. 1998, **37**, 2995–3001.
581. Response to steric constraint in azacryptate and related complexes of iron(II) and -(III)
F. A. Deeney, C. J. Harding, G. G. Morgan, V. McKee, J. Nelson, S. J. Teat and W. Clegg.
J. Chem. Soc. Dalton Trans. 1998, 1837–1843.
582. Differential binding of a facultative tridentate ligand 4-(benzimidazol-2-yl)-3-thiabutanonic acid to Cu^{II} and Ni^{II}
C. J. Matthews, S. L. Heath, M. R. J. Elsegood, W. Clegg, T. A. Leese and J. C. Lockhart.
J. Chem. Soc. Dalton Trans. 1998, 1973–1977.
583. Mono-, di- and tri-dentate binding modes of a substituted isocytosine derivative in complexes of palladium and zinc
C. Price, N. H. Rees, M. R. J. Elsegood, W. Clegg and A. Houlton.
J. Chem. Soc. Dalton Trans. 1998, 2001–2006.
584. Bis(adamantylimido) complexes of chromium(VI)
M. P. Coles, V. C. Gibson, W. Clegg and M. R. J. Elsegood.
Polyhedron 1998, **17**, 2483–2489.
585. Structure directing effects of different templates on the packing arrangements of the polyoxomolybdenum(V) organophosphonate ion $\{\text{Na}[\text{Mo}_6\text{O}_{12}(\text{OH})_3(\text{O}_3\text{PC}_6\text{H}_5)_4]_2\}^{9-}$
A. Gammersbach, P. Angenault, W. F. Hölderich, W. Clegg and M. R. J. Elsegood.
Polyhedron 1998, **17**, 2535–2541.

586. Polyhedral azaborane chemistry. Nitrogen-vertex incorporation in metallazaborane formation from 4-(NHEt₂)B₉H₁₃. Two isomers of [(η⁵-C₅Me₅)RhB₉H₁₂(NEt₂)]
U. Dörfler, W. Clegg, J. D. Kennedy and M. Thornton-Pett.
J. Chem. Soc. Dalton Trans. 1998, 2353–2358.
587. Nanoscale cages of manganese and nickel with “rock salt” cores
E. K. Brechin, W. Clegg, M. Murrie, S. Parsons, S. J. Teat and R. E. P. Winpenny.
J. Am. Chem. Soc. 1998, **120**, 7365–7366.
588. Transformation of dimetallacyclopentanes into β-substituted enamine-, alkylidene-, and α,β-unsaturated acyl-bridged diiron complexes
S. Doherty, G. Hogarth, M. R. J. Elsegood, W. Clegg, N. H. Rees and M. Waugh.
Organometallics 1998, **17**, 3331–3345.
589. Solvent effects and molecular rearrangements during the reaction of Hauser bases with enolisable ketones: structural characterization of [(Bu-t)C(=CH₂)OMgBr·HMPA]₂ and [MgBr₂·(HMPA)₂]
J. F. Allan, W. Clegg, K. Wade, L. Horsburgh and A. R. Kennedy.
J. Organomet. Chem. 1998, **559**, 173–179.
590. Polymerization of ethylene by the electrophilic mixed cyclopentadienylpyridylalkoxide complexes [CpM{NC₅H₄(CR₂O)-2}Cl₂] (M = Ti, Zr, R = Ph, Prⁱ)
S. Doherty, R. J. Errington, A. P. Jarvis, S. Collins, W. Clegg and M. R. J. Elsegood.
Organometallics 1998, **17**, 3408–3410.
591. Bifunctional Lewis acids. Synthesis and olefin polymerization chemistry of the 1,1-di[bis(perfluorophenyl)boryl]alkenes RCH=C[B(C₆F₅)₂]₂ (R = *t*-Bu, C₆H₅, C₆F₅)
K. Köhler, W. E. Piers, A. P. Jarvis, S. Xin, Y. Feng, A. M. Bravakis, S. Collins, W. Clegg, G. P. A. Yap and T. B. Marder.
Organometallics 1998, **17**, 3557–3566.
592. Preparation, structure and properties of three [Mo_xW_{4-x}S₄(H₂O)₁₂]⁵⁺ (x = 1–3) and [MoW₃Se₄(H₂O)₁₂]⁵⁺ cuboidal complexes alongside [Mo₄S₄(H₂O)₁₂]⁵⁺ and [Mo₄Se₄(H₂O)₁₂]⁵⁺
I. J. McLean, R. Hernandez-Molina, M. N. Sokolov, M.-S. Seo, A. V. Virovets, M. R. J. Elsegood, W. Clegg and A. G. Sykes.
J. Chem. Soc. Dalton Trans. 1998, 2557–2562.
593. SSZ-23: an odd zeolite with pore openings of seven and nine tetrahedral atoms
M. A. Camblor, M.-J. Díaz-Cabañas, J. Perez-Pariente, S. J. Teat, W. Clegg, I. J. Shannon, P. Lightfoot, P. A. Wright and R. E. Morris.
Angew. Chem. Int. Ed. 1998, **37**, 2122–2126.
594. Supramolecular metallocalixarene chemistry: linking metallocalixarenes through imido bridges
V. C. Gibson, C. Redshaw, W. Clegg and M. R. J. Elsegood.
Chem. Commun. 1998, 1969–1970.
595. Rhodium catalysed diboration of unstrained internal alkenes and a new and general route to zwitterionic [L₂Rh(η⁶-catBcat)] (cat = 1,2-O₂C₆H₄) complexes
C. Dai, E. G. Robins, A. J. Scott, W. Clegg, D. S. Yufit, J. A. K. Howard and T. B. Marder.
Chem. Commun. 1998, 1983–1984.
596. A novel titanium-oxygen ladder structure supported by calix[4]arene ligands, characterised by synchrotron crystallography
W. Clegg, M. R. J. Elsegood, S. J. Teat, C. Redshaw and V. C. Gibson.
J. Chem. Soc. Dalton Trans. 1998, 3037–3040.

597. Conformational variations in vinylsulfoximines
A. D. Briggs, W. Clegg, M. R. J. Elsegood, C. S. Frampton and R. F. W. Jackson.
Acta Cryst. 1998, **C54**, 1335–1341.
598. Synthesis of $\text{Rb}_3\text{Sc}_2(\text{AsO}_4)_3$ and its structure determination by synchrotron single crystal methods
W. T. A. Harrison, M. L. F. Phillips, W. Clegg and S. J. Teat.
J. Solid State Chem. 1998, **139**, 299–303.
599. Macropolyhedral boron-containing cluster chemistry. Mixed and multiple cluster fusion in platinaborane chemistry and the structure of $[(\text{PMe}_2\text{Ph})_2\text{PtB}_{16}\text{H}_{17}\text{PtB}_{10}\text{H}_{11}(\text{PMe}_2\text{Ph})]$ as determined by synchrotron X-ray diffraction analysis
J. Bould, W. Clegg, J. D. Kennedy and S. J. Teat.
J. Chem. Soc. Dalton Trans. 1998, 2777–2778.
600. Synthesis, crystal structure, and electronic structure of a 5,15-dialkylidineporphyrin: a TCNQ/porphyrin hybrid
I. M. Blake, H. L. Anderson, D. Beljonne, J.-L. Brédas and W. Clegg.
J. Am. Chem. Soc. 1998, **120**, 10764–10765.
601. Alkali metal–1-azaallyl complexes: X-ray crystallographic, NMR spectroscopic and *ab initio* calculational studies
D. R. Armstrong, W. Clegg, L. Dunbar, S. T. Liddle, M. MacGregor, R. E. Mulvey, D. Reed and S. A. Quinn.
J. Chem. Soc. Dalton Trans. 1998, 3431–3436.
602. Structural studies of bis-catecholate, bis-dithiocatecholate, and tetraalkoxy diborane(4) compounds
W. Clegg, M. R. J. Elsegood, F. J. Lawlor, N. C. Norman, N. L. Pickett, E. G. Robins, A. J. Scott, P. Nguyen, N. J. Taylor and T. B. Marder.
Inorg. Chem. 1998, **37**, 5289–5293.
603. Crystal structure of an azo dye rotaxane
S. Anderson, W. Clegg and H. L. Anderson.
Chem. Commun. 1998, 2379–2380.
604. Synthesis and structure of the novel heptalithiumtetra-rubidium mixed alkoxide peroxide $[\{(\text{Bu}^t\text{OLi})_5(\text{Bu}^t\text{ORb})_4(\text{Li}_2\text{O}_2) \cdot 2\text{tmeda}\}]_\infty$: twenty-two vertex cage molecules linked by Rb–TMEDA–Rb bridges
W. Clegg, A. M. Drummond, R. E. Mulvey and S. T. Liddle.
Chem. Commun. 1998, 2391–2392.
605. 1,2,3,5-Tetrakis(diphenylthiophosphino)benzene: n.m.r. and X-ray diffraction studies of a markedly distorted aromatic molecule
W. Clegg, A. J. Edwards, H. C. E. McFarlane and W. McFarlane.
Polyhedron 1998, **17**, 3515–3518.
606. Unusual carbonyl and pentamethylcyclopentadienyl bonding modes in mixed rhodium-ruthenium clusters
W. Clegg, N. Feeder, S. Nahar, P. R. Raithby, G. P. Shields and S. J. Teat.
New. J. Chem. 1998, 1111–1117.
607. Alkali-metal-mediated coupling of a phosphorus-substituted alkene. Structural characterization of dilithium 1,1,4,4-tetrakis(diphenylphosphino)butane-1,4-diide
W. Clegg, K. Izod, W. McFarlane and P. O'Shaughnessy.
Organometallics 1998, **17**, 5231–5232.
608. Salts of the bis(catecholato)borate anion with organic cations
W. Clegg, A. J. Scott, F. J. Lawlor, N. C. Norman, T. B. Marder, C. Dai and P. Nguyen.
Acta Cryst. 1998, **C54**, 1875–1880.

609. An oxidatively coupled dimer of paracetamol
W. Clegg, S. J. Teat, K. V. R. Prasad, R. I. Ristic, D. B. Sheen, E. A. Shepherd, J. N. Sherwood
and R. M. Vrcelj.
Acta Cryst. 1998, **C54**, 1881–1882.
610. Ferrocenylmethylphosphonate formation. Synthesis, spectroscopy and molecular structure
C. J. Isaac, M. R. J. Elsegood, W. Clegg, N. H. Rees, B. R. Horrocks and A. Houlton.
Polyhedron 1998, **17**, 3817–3823.
611. Synthesis, characterisation, reactivity and X-ray crystal structure of a mixed-ligand η^1 -salicylaldehyde
complex of Mn(III)
T. Gupta, M. K. Saha, S. Sen, S. Mitra, A. J. Edwards and W. Clegg.
Polyhedron 1998, **18**, 197–201.
612. The preparation and coordination chemistry of substituted benzenethiols. Triphenylphosphine gold(I)
complexes of sterically demanding and nondemanding arenethiols. The absence of gold(I)–gold(I)
interactions
L. S. Ahmed, W. Clegg, D. A. Davies, J. R. Dilworth, M. R. J. Elsegood, D. V. Griffiths, L. Horsburgh,
J. R. Miller and N. Wheatley.
Polyhedron 1998, **18**, 593–600.
613. The synthesis and solid-state and solution structures of an unprecedented mixed chiral α -amino lithium
alkoxide–lithium alkoxide aggregate
W. Clegg, S. T. Liddle, R. Snaith and A. E. H. Wheatley.
New. J. Chem. 1998, 1323–1326.
614. Palladium(II) complexes with Pd₂S₂ rings. Synthesis and theoretical characterization of
[Pd₂(dppe)₂(μ -S)₂] and X-ray characterization of [Pd₃(dppe)₃(μ -S)₂]Cl₂
M. Capdevila, W. Clegg, R. A. Coxall, P. González-Duarte, M. Hamidi, A. Lledós and G. Ujaque.
Inorg. Chem. Commun. 1998, **1**, 466–468.
615. Metallo-based cyclophanes and [2]catenanes. Towards molecular-scale functional assemblies
A. C. Benniston, P. R. Mackie, L. J. Farrugia, S. Parsons, W. Clegg and S. J. Teat.
Platinum Metals Rev. 1998, **42**, 100–105.
-
616. Kinetically inert cryptate systems: solid state and solution NMR studies
D. C. Apperley, W. Clegg, S. Coles, J. L. Coyle, N. Martin, B. Maubert, V. McKee and J. Nelson.
J. Chem. Soc. Dalton Trans. 1999, 229–236.
617. An *in situ* microcrystal X-ray diffraction study of the synthetic aluminophosphate zeotypes DAF-1 and
CoAPSO-44
G. Muncaster, G. Sankar, C. R. A. Catlow, J. M. Thomas, R. G. Bell, P. A. Wright, S. Coles, S. J. Teat,
W. Clegg and W. Reeve.
Chem. Mater. 1999, **11**, 158–163.
618. Protecting-group strategies for the synthesis of *N*⁴-substituted and *N*¹,*N*⁸-disubstituted spermidines,
exemplified by hirudonine
B. T. Golding, A. Mitchinson, W. Clegg, M. R. J. Elsegood and R. J. Griffin.
J. Chem. Soc. Perkin Trans. 1 1999, 349–356.
619. An unusual ring expansion from the Zav'yalov pyrrole synthesis: formation of oxacino[2,3-*c*]pyrroles
C. D. Gabbutt, J. D. Hepworth, B. M. Heron, M. R. J. Elsegood and W. Clegg.
Chem. Commun. 1999, 289–290.

620. Synthesis, characterisation and a theoretical investigation of the formation of lithium dialkylaluminium amides
W. Clegg, S. T. Liddle, K. Wade, F. E. Keenan, A. R. Kennedy, A. E. McKeown and R. E. Mulvey.
J. Organomet. Chem. 1999, **572**, 283–289.
621. An insight into ion-transport by calixarenes; the structure of the dipotassium complex of *p*-*tert*-butylcalix[8]arene crystallised from a protogenic, coordinating solvent [ethanol/diethylcarbonate (10:1)]
N. P. Clague, W. Clegg, S. J. Coles, J. D. Crane, D. J. Moreton, E. Sinn, S. J. Teat and N. A. Young.
Chem. Commun. 1999, 379–380.
622. The molecular structure and one-pot synthesis of $[\text{Li}(\text{thf})_3\text{Sn}(\text{SiMe}_3)_3]$
C. J. Cardin, D. J. Cardin, W. Clegg, S. J. Coles, S. P. Constantine, J. R. Rowe and S. J. Teat.
J. Organomet. Chem. 1999, **573**, 96–100.
623. Cluster build-up reactions via the ionic coupling of tetraosmium anions and the $[\text{RhCp}^*(\text{NCMe})_3]^{2+}$ cation; the crystal and molecular structures of $[\text{Os}_4\text{Rh}(\mu\text{-H})_3(\text{MeC}=\text{NH})(\text{CO})_{11}(\eta^5\text{-Cp}^*)]$, $[\text{Os}_4\text{Rh}(\mu\text{-H})_2(\text{CO})_{13}(\eta^5\text{-Cp}^*)]$ and $[\text{Os}_4\text{Rh}_2(\mu\text{-H})_2(\text{CO})_{11}(\eta^5\text{-Cp}^*)_2]$ ($\text{Cp}^* = \text{C}_5\text{Me}_5$)
W. Clegg, N. Feeder, A. M. M. Castro, S. Nahar, P. R. Raithby, G. P. Shields and S. J. Teat.
J. Organomet. Chem. 1999, **573**, 237–246.
624. Towards an understanding of the conjugate addition of organolithium reagents to α,β -unsaturated ketones: the isolation and solid-state structure of a monomeric lithium aluminate with very short agostic $\text{Li}\cdots\text{HC}$ interactions
W. Clegg, E. Lamb, S. T. Liddle, R. Snaith and A. E. H. Wheatley.
J. Organomet. Chem. 1999, **573**, 305–312.
625. Enantiomerically pure 2,2-dibromocyclopropanecarboxylic acids, simple chiral building blocks
M. S. Baird, P. Licence, V. V. Tverezovsky, I. G. Bolesov and W. Clegg.
Tetrahedron 1999, **55**, 2773–2784.
626. Regioselective addition of tris(dialkylamino)phosphines to $[\text{Fe}_2(\text{CO})_6(\mu\text{-PPh}_2)\{\mu\text{-}\eta^1\text{:}\eta^2\text{-(H)C}=\text{C}=\text{CH}_2\}]$: novel P–C coupling reactions and unusual hydrocarbyl rearrangements
S. Doherty, M. Waugh, T. H. Scanlan, M. R. J. Elsegood and W. Clegg.
Organometallics 1999, **18**, 679–696.
627. *N*-Alkoxy- β -ketoiminate complexes of groups 4 and 5: synthesis and characterization of the complexes $[(\eta^5\text{-C}_5\text{H}_4\text{R})\text{M}\{\text{CH}_3\text{C}(\text{O})\text{CHC}(\text{NCH}_2\text{CHR}'\text{O})\text{CH}_3\}\text{Cl}_n]$ ($\text{M} = \text{Ti}$, $n = 1$; $\text{M} = \text{Nb}$, $n = 2$; $\text{R} = \text{H}$, Me ; $\text{R}' = \text{H}$, Me), $[\text{Ti}\{\text{CH}_3\text{C}(\text{O})\text{CHC}(\text{NCH}_2\text{CHR}'\text{O})\text{CH}_3\}\text{Cl}_2(\text{thf})]$ and $[\text{Ti}\{\text{CH}_3\text{C}(\text{O})\text{CHC}(\text{NCH}_2\text{CHR}'\text{O})\text{CH}_3\}_2]$
S. Doherty, R. J. Errington, N. Housley, J. Ridland, W. Clegg and M. R. J. Elsegood.
Organometallics 1999, **18**, 1018–1029.
628. Dis-assembling lithium amide ladder structures: new insight through the structure of $\{[\text{PhCH}_2\text{N}(\text{H})\text{Li}]_2\cdot\text{thf}\}_\infty$, a polymer of $(\text{NLi})_2$ planar rings connected by thf-bridged $(\text{NLi})_2$ butterfly junctions
W. Clegg, S. T. Liddle, R. E. Mulvey and A. Robertson.
Chem. Commun. 1999, 511–512.
629. New functional perfluoroaryl boranes. Synthesis and reactivity of the *ortho*-phenylene-bridged diboranes $1,2\text{-}[\text{B}(\text{C}_6\text{F}_5)_2]_2\text{C}_6\text{X}_4$ ($\text{X} = \text{H}, \text{F}$)
V. C. Williams, W. E. Piers, W. Clegg, M. R. J. Elsegood, S. Collins and T. B. Marder.
J. Am. Chem. Soc. 1999, **121**, 3244–3245.

630. Oxidative-addition reactions of diiodine to dinuclear rhodium pyrazolate complexes
C. Tejel, M. Bordonaba, M. A. Ciriano, A. J. Edwards, W. Clegg, F. J. Lahoz and L. A. Oro.
Inorg. Chem. 1999, **38**, 1108–1117.
631. Synthesis, structure, and properties of molybdenum and tungsten cyano complexes with cuboidal $M_4(\mu_3-E)_4$ (M = Mo, W; E = S, Se, Te) cores
V. P. Fedin, I. V. Kalina, D. G. Samsonenko, Y. V. Mironov, M. N. Sokolov, S. V. Tkachev,
A. V. Virovets, N. V. Podberezskaya, M. R. J. Elsegood, W. Clegg and A. G. Sykes.
Inorg. Chem. 1999, **38**, 1956–1965.
632. “Smart” rotaxanes: shape memory and control in tertiary amide peptido[2]rotaxanes
W. Clegg, C. Gimenez-Saiz, D. A. Leigh, A. Murphy, A. M. Z. Slawin and S. J. Teat.
J. Am. Chem. Soc. 1999, **121**, 4124–4129.
633. Salts of the bis(catecholato)borate anion with rhodium- and iridium-phosphine complex cations
W. Clegg, M. R. J. Elsegood, A. J. Scott, T. B. Marder, C. Dai, N. C. Norman, N. L. Pickett
and E. G. Robins.
Acta Cryst. 1999, **C55**, 733–739.
634. 5-Benzyloxy-1-phenyltetrazole: catalytic transfer hydrogenolysis of benzyl ethers
A. F. Brigas, W. Clegg, R. A. W. Johnstone and R. F. Mendonca.
Acta Cryst. 1999, **C55**, 778–781.
635. *catena*-Poly[[bis(μ -2,6-dimethylpiperidinido-*N:N*)dilithium]- μ -(*N,N,N',N'*-tetramethylethylenediamine-*N:N'*)]
W. Clegg, L. Horsburgh, S. A. Couper and R. E. Mulvey.
Acta Cryst. 1999, **C55**, 867–869.
636. Dibenzylbis(*tert*-butylimido)molybdenum(VI), containing both η^1 - and η^2 -benzyl ligands
W. Clegg, M. R. J. Elsegood, P. W. Dyer, V. C. Gibson and E. L. Marshall.
Acta Cryst. 1999, **C55**, 916–918.
637. Structural studies of a novel heterocyclic phosphorane
C. D. Gabbutt, J. D. Hepworth, B. M. Heron, A. M. Jones, E. S. Raper and W. Clegg.
Phosphorus, Sulfur and Silicon 1999, **143**, 221–230.
638. An approach to *megalo*-boranes. Mixed and multiple cluster fusions involving iridaborane and
platinaborane cluster compounds. Crystal structure determinations by conventional and
synchrotron methods.
J. Bould, W. Clegg, S. J. Teat, L. Barton, N. P. Rath, M. Thornton-Pett and J. D. Kennedy.
Inorg. Chim. Acta 1999, **289**, 95–124.
639. Monomeric alkali metal complexes of a sterically demanding, donor-functionalised secondary phosphide
ligand
W. Clegg, S. Doherty, K. Izod, H. Kagerer, P. O'Shaughnessy and J. M. Sheffield.
J. Chem. Soc. Dalton Trans. 1999, 1825–1829.
640. Preparation of [1,2,4]triazoloquinazolinium betaines and molecular rearrangements of putative
[1,2,4]triazolo[4,3-*a*][1,3,5]triazinium betaines
D. L. Crabb, K. J. McCullough, P. N. Preston, G. M. Rosair, B. C. Bishop, S. H. B. Wright, W. Clegg
and S. Coles.
J. Chem. Soc. Perkin Trans. 1 1999, 1517–1525.

641. Lithiated organophosphorus enamines: a new synthetic approach and the first crystal structures
W. Clegg, R. P. Davies, L. Dunbar, N. Feeder, S. T. Liddle, R. E. Mulvey, R. Snaith
and A. E. H. Wheatley.
Chem. Commun. 1999, 1401–1402.
642. Two potential pyridine-borane oligomer and polymer building blocks. Structural characterisation of
[NC₅H₄.C₅H₄N.B₁₀H₁₂.NC₅H₄.C₅H₄N] and [Me₂S.B₁₀H₁₂.NC₄H₄N.B₁₀H₁₂.SMe₂] by conventional
and synchrotron X-ray methods
M. G. S. Londesborough, C. Price, M. Thornton-Pett, W. Clegg and J. D. Kennedy.
Inorg. Chem. Commun. 1999, 2, 298–300.
643. Metallaborane reaction chemistry. Part 8. Phenylacetylene trimerisation by [6,6,6-(PPh₃)₂H- *nido*-6-
IrB₉H₁₃] and the structure of [2-(η⁶-C₆H₃Ph₃)- *closo*-2-IrB₉H₈-10-(PPh₃)] by synchrotron X-ray
diffraction analysis
J. Bould, W. Clegg, T. R. Spalding and J. D. Kennedy.
Inorg. Chem. Commun. 1999, 2, 315–318.
644. Synthesis and characterisation of 2,6-diisopropylphenylimido complexes of chromium in oxidation states
IV–VI
K. C. Chew, W. Clegg, M. P. Coles, M. R. J. Elsegood, V. C. Gibson, A. J. P. White and D. J. Williams.
J. Chem. Soc. Dalton Trans. 1999, 2633–2639.
645. A novel heterometallic alkoxide: lithium-potassium *tert*-butoxide [(Bu^tO)₈Li₄K₄]
W. Clegg, A. M. Drummond, S. T. Liddle, R. E. Mulvey and A. Robertson.
Chem. Commun. 1999, 1569–1570.
646. Synthesis of 3-alkoxy- and 3-alkylamino-2-alkyl-3-arylisoindolinones
M. S. Kitching, W. Clegg, M. R. J. Elsegood, R. J. Griffin and B. T. Golding.
Synlett. 1999, 997–999.
647. First structurally authenticated heavier alkali metal phosphinomethanide
W. Clegg, K. Izod and P. O'Shaughnessy.
Organometallics 1999, 18, 2939–2940.
648. Synthesis of dialkylscandium complexes supported by β-diketiminato ligands and activation with
tris(pentafluorophenyl)borane
L. W. M. Lee, W. E. Piers, M. R. J. Elsegood, W. Clegg and M. Parvez.
Organometallics 1999, 18, 2947–2949.
649. Regioselective addition of *tert*-BuN≡C to the α carbon atom of the allenyl ligand in
[Fe₂(CO)₆(μ-PPh₂){μ-η¹:η²_{α,β}-(H)C_α=C_β=C_γH₂}; formation of [Fe₂(CO)₆(μ-PPh₂){μ-η¹:η¹-(*tert*-
BuN≡C)C=CCH₃}] and [Fe₂(CO)₆(μ-PPh₂){μ-η¹:η²-*tert*-BuNHC(O)CH₂}C=CH₂}] via competitive
1,3-hydrogen migration and hydrolysis of the reactive allene-bridged intermediate
[Fe₂(CO)₆(μ-PPh₂){μ-η¹:η¹-*tert*-BuNC)HC=C=CH₂}]
S. Doherty, G. Hogarth, M. Waugh, T. H. Scanlan, W. Clegg and M. R. J. Elsegood.
Organometallics 1999, 18, 3178–3186.
650. Three Pt^{II} catecholate and 1,2-dithiocatecholate complexes
M. J. G. Lesley, W. Clegg, T. B. Marder, N. C. Norman, A. G. Orpen, A. J. Scott and J. Starbuck.
Acta Cryst. 1999, C55, 1272–1275.
651. Extending knowledge on the nucleophilicity of the {Pt₂S₂} core: Ph₂PCH₂CH₂PPh₂ as an alternative
terminal ligand in [L₂Pt(μ-S)₂PtL₂] metalloligands
M. Capdevila, Y. Carrasco, W. Clegg, R. A. Coxall, P. González-Duarte, A. Lledós and J. A. Ramírez
J. Chem. Soc. Dalton Trans. 1999, 3103–3113.

652. Synthesis, structure and redox properties of ferrocenylmethyl nucleobases
A. Houlton, C. J. Isaac, A. E. Gibson, B. R. Horrocks, W. Clegg and M. R. J. Elsegood.
J. Chem. Soc. Dalton Trans. 1999, 3229–3234.
653. Tris(triorganosilyl)methyl derivatives of potassium and lithium bearing dimethylamino or methoxy substituents at silicon. Crystal structures of $\text{KC}(\text{SiMe}_3)_2(\text{SiMe}_2\text{NMe}_2)$, $\text{KC}(\text{SiMe}_2\text{NMe}_2)_3$ and $[\text{LiC}(\text{SiMe}_3)(\text{SiMe}_2\text{OMe})_2]_2$
S. S. Al-Juaid, C. Eaborn, S. El-Hamruni, A. Farook, P. B. Hitchcock, M. Hopman, J. D. Smith, W. Clegg, K. Izod and P. O'Shaughnessy.
J. Chem. Soc. Dalton Trans. 1999, 3267–3273.
654. Highly active and selective catalysts for the production of methyl propanoate via the methoxycarbonylation of ethene
W. Clegg, G. R. Eastham, M. R. J. Elsegood, R. P. Tooze, X. L. Wang and K. Whiston.
Chem. Commun. 1999, 1877–1878.
655. Palladium complexes of C_2 -, C_3 -, and C_4 -bridged bis(phospholyl) ligands: remarkably active catalysts for the copolymerization of ethylene and carbon monoxide
S. Doherty, G. R. Eastham, R. P. Tooze, T. H. Scanlan, D. Williams, M. R. J. Elsegood and W. Clegg.
Organometallics 1999, **18**, 3558–3560.
656. Regioselective metalation of a tertiary phosphine. Solution and solid-state structures of an unusual aminobenzyl lithium complex
W. Clegg, K. Izod, W. McFarlane and P. O'Shaughnessy.
Organometallics 1999, **18**, 3950–3952.
657. Tetraphenoxoborate complexes of barium: crystal structures of the metalloborates $[\text{Ba}(\text{thf})_4\{\text{B}(\text{OPh})_4\}_2]$ and $[\text{Ba}(\text{dme})_2\{\text{B}(\text{OPh})_4\}_2]$
R. J. Errington, M. Tombul, G. L. P. Walker, W. Clegg, S. L. Heath and L. Horsburgh.
J. Chem. Soc. Dalton Trans. 1999, 3533–3534.
658. The first molecular main group metal species containing interstitial hydride
D. R. Armstrong, W. Clegg, R. P. Davies, S. T. Liddle, D. J. Linton, P. R. Raithby, R. Snaith and A. E. H. Wheatley.
Angew. Chem. Int. Ed. 1999, **38**, 3367–3370.
659. 1:1 Adducts of 4-picoline with methylcatecholborane and phenylcatecholborane
W. Clegg, A. J. Scott, F. E. S. Souza and T. B. Marder.
Acta Cryst. 1999, **C55**, 1885–1888.
660. Control of single crystal structure and liquid crystal phase behaviour via arene-perfluoroarene interactions
C. Dai, P. Nguyen, T. B. Marder, A. J. Scott, W. Clegg and C. Viney.
Chem. Commun. 1999, 2493–2494.
661. 2-(2-Fluoro-4-nitroanilinoethyl)benzaldehyde and *N*-(2-fluoro-4-nitrophenyl)-1-methoxy-1,2,3,4-tetrahydroisoquinoline
W. Clegg, M. R. J. Elsegood, S. P. Stanforth, K. A. Hedley, A. L. Stanley, E. S. Raper and J. R. Creighton.
Acta Cryst. 1999, **C55**, 2163–2167.
662. $(\text{CN}_3\text{H}_6)_2 \cdot \text{Zn}_4\text{H}_5(\text{PO}_4)_5$, a new layered guanidinium zinc phosphate built up from 3-, 4-, and 8-ring units
W. T. A. Harrison, M. L. F. Phillips, W. Clegg and S. J. Teat.
J. Solid State Chem. 1999, **148**, 433–437.

663. Activation of $[\text{Cp}_2\text{ZrMe}_2]$ with new perfluoroaryl diboranes: solution chemistry and ethylene polymerization behavior in the presence of $\text{MeAl}(\text{BHT})_2$
V. C. Williams, C. Dai, Z. Li, S. Collins, W. E. Piers, W. Clegg, M. R. J. Elsegood and T. B. Marder.
Angew. Chem. Int. Ed. 1999, **38**, 3695–3698.
664. Silver(I) complexes of 6-methyl-2-pyridinecarboxylic acid: the crystal structure of $[\text{Ag}(\text{MeC}_5\text{H}_3\text{NCOO})(\text{MeC}_5\text{H}_3\text{NCOOH})]$
À. Leiva, W. Clegg, L. Cucurull-Sanchez, P. González-Duarte and J. Pons.
J. Chem. Cryst. 1999, **29**, 1097–1101.
665. Difficult structures: improving your chances with synchrotron radiation
W. Clegg.
Acta Cryst. 1999, **A55**, C91–C92.
666. Supramolecular chemistry of benzene polycarboxylates
M. R. J. Elsegood, W. Clegg, S. J. Richards, M. J. Hemmings, K. E. Holmes and C. Harvey.
Acta Cryst. 1999, **A55**, C163–C164.
667. Use of a Microsource X-ray tube and generator with a four-circle diffractometer
P. A. Champkin and W. Clegg.
Acta Cryst. 1999, **A55**, C235.
668. Structural studies of novel mixed rubidium lithium alkoxide cages linked by bridging ligands
S. T. Liddle and W. Clegg.
Acta Cryst. 1999, **C55**, C413.
-
669. Preparations, X-ray crystal structure determinations, and base strength measurements of substituted tritylamines
M. Canle, W. Clegg, I. Demirtas, M. R. J. Elsegood and H. Maskill.
J. Chem. Soc. Perkin Trans 2 2000, 85–92.
670. A new high-flux chemical and materials crystallography station at the SRS Daresbury. 1. Design, construction and test results. Corrigendum.
R. J. Cernik, W. Clegg, C. R. A. Catlow, G. Bushnell-Wye, J. V. Flaherty, G. N. Greaves, I. Burrows, D. J. Taylor, S. J. Teat and M. Hamichi.
J. Synchrotron Rad. 2000, **7**, 40.
671. Pentanuclear asymmetrical ladder structure of the 1,4-dimethylpiperazine solvate of lithium anilide and its implication for the unknown structure of amorphous lithium anilide
W. Clegg, S. T. Liddle, R. E. Mulvey and A. Robertson.
Chem. Commun. 2000, 223–224.
672. A new cluster complex, $(\text{NH}_4)_6[\text{Mo}_4\text{Se}_4(\text{CN})_{12}]\cdot 6\text{H}_2\text{O}$, containing a tetranuclear mixed-valence molybdenum core
A. V. Virovets, V. P. Fedin, D. G. Samsonenko and W. Clegg.
Acta Cryst. 2000, **C56**, 272–273.
673. The changing structural chemistry of lithium anilide on solvation by pyridine, 4-methylpyridine or 4-*tert*-butylpyridine
W. Clegg, L. Horsburgh, S. T. Liddle, F. M. Mackenzie, R. E. Mulvey and A. Robertson.
J. Chem. Soc. Dalton Trans. 2000, 1225–1231.
674. Synthesis, structure and coordination chemistry of mono- and bis-heterocyclic-ferrocenyl derivatives
C. J. Isaac, C. Price, B. R. Horrocks, A. Houlton, M. R. J. Elsegood and W. Clegg.
J. Organomet. Chem. 2000, **598**, 248–253.

675. Manganese and cesium derivatives of the bulky bidentate ligand $\text{C}(\text{SiMe}_3)_2\text{SiMe}_2\text{CH}_2\text{CH}_2\text{Me}_2\text{Si}(\text{Me}_3\text{Si})_2\text{C}$. Crystal structures of $\text{Li}(\text{THF})_{2.75}(\text{Et}_2\text{O})_{0.25}(\mu\text{-Cl})\text{MnC}(\text{SiMe}_3)_2\text{SiMe}_2\text{CH}_2\text{CH}_2\text{Me}_2\text{Si}(\text{Me}_3\text{Si})_2\text{C}$ and $(\text{C}_6\text{H}_6)_3\text{CsC}(\text{SiMe}_3)_2\text{SiMe}_2\text{CH}_2\text{CH}_2\text{Me}_2\text{Si}(\text{Me}_3\text{Si})_2\text{CCs}(\text{C}_6\text{H}_6)_3$
C. Eaborn, P. B. Hitchcock, J. D. Smith, S. Zhang, W. Clegg, K. Izod and P. O'Shaughnessy.
Organometallics 2000, **19**, 1190–1193.
676. The reaction chemistry of 2- and 3-aminoalkanethiols with $[\text{PtMe}_3\text{I}]_4$: a new example of the structural diversity of metal thiolates
N. Duran, W. Clegg, K. A. Fraser and P. González-Duarte.
Inorg. Chim. Acta 2000, **300–302**, 790–799.
677. Novel trityl activators with new weakly coordinating anions derived from C_6F_4 -1,2- $[\text{B}(\text{C}_6\text{F}_5)_2]_2$: synthesis, structures, and olefin polymerization behavior
V. C. Williams, G. J. Irvine, W. E. Piers, Z. M. Li, S. Collins, W. Clegg, M. R. J. Elsegood and T. B. Marder.
Organometallics 2000, **19**, 1619–1621.
678. Metal incorporation into and dimerization of M_3E_4 clusters ($\text{M} = \text{Mo}, \text{W}$; $\text{E} = \text{S}, \text{Se}$) in supramolecular assemblies with cucurbituril: a molecular model of intercalation
M. N. Sokolov, A. V. Virovets, D. N. Dybtsev, O. A. Gerasko, V. P. Fedin, R. Hernandez-Molina, W. Clegg and A. G. Sykes.
Angew. Chem. Int. Ed. 2000, **39**, 1659–1661.
679. Supramolecular assemblies based on cucurbituril adducts of hydrogen-bonded molybdenum and tungsten incomplete cuboidal aqua complexes
V. P. Fedin, A. V. Virovets, M. N. Sokolov, D. N. Dybtsev, O. A. Gerasko and W. Clegg.
Inorg. Chem. 2000, **39**, 2227–2230.
680. Complexes of heterocyclic thiones and group 12 metals. Part 2. The chemical and electrochemical synthesis of mercury(II) complexes of 1-methylimidazoline-2(3*H*)-thionate. The crystal structure of *trans*-[bis- $\{(\eta^1\text{-S-1-methylimidazoline-2(3H)-thione})(\eta^1\text{-S-1-methylimidazoline-2(3H)-thionate})(\mu_2\text{-S,N-1-methylimidazoline-2-thionate})\text{mercury(II)}\}$] at 160 K
N. A. Bell, W. Clegg, J. R. Creighton and E. S. Raper.
Inorg. Chim. Acta 2000, **303**, 12–16.
681. Complexes of heterocyclic thiones and group 12 metals. Part 3. Preparation and characterisation of 1:2 complexes of mercury(II) halides with 1-methylimidazoline-2(3*H*)-thione: the crystal structures of $[(\text{HgX}_2)(1\text{-methylimidazoline-2(3H)-thione})_2]$ ($\text{X} = \text{Cl}, \text{Br}, \text{I}$) at 160 K
N. A. Bell, T. N. Branston, W. Clegg, J. R. Creighton, L. Cucurull-Sanchez, M. R. J. Elsegood and E. S. Raper.
Inorg. Chim. Acta 2000, **303**, 220–227.
682. Macropolyhedral boron-containing cluster chemistry. Further progress beyond the icosahedron.
July 1999
J. Bould, D. L. Ormsby, H.-J. Yao, C.-H. Hu, J. Sun, R.-S. Jin, S. L. Shea, W. Clegg, T. Jelínek, N. P. Rath, M. Thornton-Pett, R. Greatrex, P.-J. Zheng, L. Barton, B. Štíbr and J. D. Kennedy.
Contemporary Boron Chemistry, edited by M. Davidson, A. K. Hughes, T. B. Marder and K. Wade, Royal Society of Chemistry, Cambridge, 2000, 171–174.
683. Dimethylaluminium enolates and alkoxides derived from trimethylaluminium and aromatic ketones: a synthetic, structural and theoretical investigation
J. F. Allan, W. Clegg, M. R. J. Elsegood, K. Wade, A. E. McKeown, P. Moran and I. M. Rakov.
J. Organomet. Chem. 2000, **602**, 15–23.

684. *N*-nitroso-*N,O*-dialkylhydroxylamines: preparation, structure, and mechanism of the hydronium ion catalysed solvolytic nitrous oxide extrusion reaction
J. I. Bhat, W. Clegg, H. Maskill, M. R. J. Elsegood, I. D. Menneer and P. C. Miatt.
J. Chem. Soc. Perkin Trans. 2 2000, 1435–1446.
685. Synthesis and structural characterization of the first lanthanide(II) cuboidal cluster. Unexpected C–O activation by an unchanged ytterbium(II) center
W. Clegg, K. Izod, S. T. Liddle, P. O'Shaughnessy and J. M. Sheffield.
Organometallics 2000, **19**, 2090–2096.
686. A supramolecular approach to the crystallization of chalcogenido bridged cluster aqua ions: synthesis and structure of a cucurbituril adduct of the di- μ -disulfido Nb(IV)₂ ion [Nb₂(μ -S₂)₂(H₂O)₈]⁴⁺
V. P. Fedin, A. V. Virovets, D. N. Dybtsev, O. A. Gerasko, K. Hegetschweiler, M. R. J. Elsegood and W. Clegg.
Inorg. Chim. Acta 2000, **304**, 301–304.
687. Base-specific minor groove site binding in metallo-nucleobase polymers
M. A. Shipman, C. Price, M. R. J. Elsegood, W. Clegg and A. Houlton.
Angew. Chem. Int. Ed. 2000, **39**, 2360–2362.
688. Dimethyl 9,10-anthracenedicarboxylate: a centrosymmetric *transoid* molecule
S. Jones, J. C. C. Atherton, M. R. J. Elsegood and W. Clegg.
Acta Cryst. 2000, **C56**, 881–883.
689. Synthesis, characterisation and crystal structure of a 1,4-diazacycloheptane complex of copper(II)
S. Sen, M. K. Saha, S. Mitra, A. J. Edwards and W. Clegg.
Polyhedron 2000, **19**, 1881–1885.
690. 2-Bromocyclohexanone perhydrate – X-ray crystal structure and conformational effects on reactivity in sulfoxidations
A. J. Carnell, W. Clegg, R. A. W. Johnstone, C. C. Parsy and W. R. Sanderson.
Tetrahedron 2000, **56**, 6571–6575.
691. Parallels between the chemistry of calcium(II) and ytterbium(II). Synthesis and crystal structure of a calcium alkoxo-phosphide cuboidal complex
K. Izod, W. Clegg and S. T. Liddle.
Organometallics 2000, **19**, 3640–3643.
692. 'Inverse crown ether' complexes extended to group 12 through the syntheses of [Na₂Zn₂(HMDS)₄(O)] and [{K₂Zn₂(HMDS)₄(O₂)_x(O)_y}_∞]
G. C. Forbes, A. R. Kennedy, R. E. Mulvey, R. B. Rowlings, W. Clegg, S. T. Liddle and C. C. Wilson.
Chem. Commun. 2000, 1759–1760.
693. Synchrotron chemical crystallography
W. Clegg.
J. Chem. Soc. Dalton Trans. 2000, 3223–3232.
694. Synthesis and structural characterization of Sm(II) and Yb(II) complexes containing sterically demanding, chelating secondary phosphide ligands
K. Izod, P. O'Shaughnessy, J. M. Sheffield, W. Clegg and S. T. Liddle.
Inorg. Chem. 2000, **39**, 4741–4748.
695. Unprecedented stabilization of cobalt(II) in a tetrahedral S₂O₂ environment: the use of a redox-noninnocent ligand
N. Duran, W. Clegg, L. Cucurull-Sanchez, R. A. Coxall, H. R. Jiménez, J.-M. Moratal, F. Lloet and P. González-Duarte.
Inorg. Chem. 2000, **39**, 4821–4832.

696. Crystal structure of $(\text{H}_3\text{O})_4[\text{W}_3\text{S}_7\text{Cl}_6]_2(\text{C}_{36}\text{N}_{24}\text{O}_{12}\text{H}_{36}) \cdot 8\text{H}_2\text{O}$ – a supramolecular cluster adduct with cucurbituril
O. A. Gerasko, A. V. Virovets, D. N. Dybtsev, W. Clegg and V. P. Fedin.
Koord. Khim. 2000, **26**, 512–515.
697. Synthesis, structures, and solution dynamics of functionalized phosphinomethanide complexes of the alkali metals
M. N. S. Hill, K. Izod, P. O'Shaughnessy and W. Clegg.
Organometallics 2000, **19**, 4531–4535.
698. Reactions of alkynes with $[\text{Fe}_2(\text{CO})_6(\mu\text{-PPh}_2)\{\mu\text{-}\eta^1\text{:}\eta^2_{\alpha,\beta}\text{-(H)C}_\alpha\text{=C}_\beta\text{=C}_\gamma\text{H}_2\}]$: formation of diphenylvinylphosphine-functionalized vinyl carbenes via carbon–carbon and carbon–phosphorus bond formation and hydrogen migration
S. Doherty, G. Hogarth, M. Waugh, W. Clegg and M. R. J. Elsegood.
Organometallics 2000, **19**, 4557–4562.
699. Two isostructural triboluminescent lanthanide complexes
W. Clegg, I. Sage, I. Oswald, P. Brough and G. Bourhill.
Acta Cryst. 2000, **C56**, 1323–1325.
700. Tetracycline hydrochloride: a synchrotron microcrystal study
W. Clegg and S. J. Teat.
Acta Cryst. 2000, **C56**, 1343–1345.
701. Direct bromination of Keggin fragments to give $[\text{PW}_9\text{O}_{28}\text{Br}_6]^{3-}$: a polyoxotungstate with a hexabrominated face
R. J. Errington, R. L. Wingad, W. Clegg and M. R. J. Elsegood.
Angew. Chem. Int. Ed. 2000, **39**, 3885–3886.
702. Niobium η -cyclopentadienyl compounds with imido and amido ligands derived from *tert*-butylamine
M. J. Humphries, M. L. H. Green, M. A. Leech, V. C. Gibson, M. Jolly, D. N. Williams, M. R. J. Elsegood and W. Clegg.
J. Chem. Soc. Dalton Trans. 2000, 4044–4051.
703. Remarkable differences in catalyst activity and selectivity for the production of methyl propanoate versus CO-ethylene copolymer by a series of palladium complexes of related C_4 -bridged diphosphines
J. G. Knight, S. Doherty, A. Harriman, E. G. Robins, M. Betham, G. R. Eastham, R. P. Tooze, M. R. J. Elsegood, P. A. Champkin and W. Clegg.
Organometallics 2000, **19**, 4957–4967.
704. A remarkable isostructural homologous series of mixed lithium–heavier alkali metal *tert*-butoxides $[(t\text{-BuO})_8\text{Li}_4\text{M}_4]$ ($\text{M} = \text{Na}, \text{K}, \text{Rb}$ or Cs)
D. R. Armstrong, W. Clegg, A. M. Drummond, S. T. Liddle and R. E. Mulvey.
J. Am. Chem. Soc. 2000, **122**, 11117–11124.
705. A three-dimensional, cyano-bridged cluster-metal coordination compound with large cavities
V. P. Fedin, A. V. Virovets, I. V. Kalinina, V. N. Ikorskii, M. R. J. Elsegood and W. Clegg.
Eur. J. Inorg. Chem. 2000, 2341–2343.
706. Properties and single-crystal X-ray structure of bis[3,3''-bis(4-methylphenyl)-2,2':6',2''-terpyridine]iron(II) hexafluorophosphate–acetonitrile–diisopropyl ether (1/1.5/1)
A. C. Benniston, L. J. Farrugia, P. R. Mackie, P. Mallinson, W. Clegg and S. J. Teat.
Aust. J. Chem. 2000, **53**, 707–713.

707. Monomer, dimer, tetramer, polymer: structural diversity in zinc and cadmium complexes of chelate-tethered nucleobases
M. A. Shipman, C. Price, A. E. Gibson, M. R. J. Elsegood, W. Clegg and A. Houlton.
Chem. Eur. J. 2000, **6**, 4371–4378.
708. Synthesis and crystal structure of a homoleptic, alkali metal-free lanthanide(II) phosphide complex
W. Clegg, K. Izod and S. T. Liddle.
J. Organomet. Chem. 2000, **613**, 128–131.
709. Conversion of σ,η -allenyl group into a σ,σ -(diphenylphosphino)allyl and a hexa-1,3,5-triene-2,6-diyl ligand at a diiron center
S. Doherty, G. Hogarth, M. Waugh, W. Clegg and M. R. J. Elsegood.
Organometallics 2000, **19**, 5696–5708.
710. B-frame supported bimetallics. ‘Composite cluster’ compounds and the structures of [2,7-(η^5 -C₅Me₅)₂-nido-2,7,8,6-Ir₂CSB₆H₈] and its 9-chloro derivative. Synchrotron and conventional X-ray studies
P. A. Cooke, C. O’Dowd, M. G. S. Londesborough, J. Holub, B. Štíbr, M. Thornton-Pett, W. Clegg, S. J. Teat and J. D. Kennedy.
J. Organomet. Chem. 2000, **614–615**, 57–60.
-
711. Structure Reports Online: the birth of a new journal
W. Clegg and D. G. Watson.
Acta Cryst. 2001, **E57**, e1–e2.
712. A 2-styrylboronate ester
W. Clegg, T. B. Marder, A. J. Scott, C. Wiesauer and W. Weissensteiner.
Acta Cryst. 2001, **E57**, o63–o65.
713. Carboxylate versus imidobenzoate bonding for anthranilic acid derivatives. Crystal structures of [W(η -C₅Me₅)Cl₃(η^2 -O₂CC₆H₄NH₂-2)] and [ReCl(OEt)(PPh₃)₂(NC₆H₄CO₂)]
V. C. Gibson, C. Redshaw, W. Clegg and M. R. J. Elsegood.
Inorg. Chem. Commun. 2001, **4**, 95–99.
714. α - β Alkenyl isomerisation at diiron centres
M. K. Anwar, G. Hogarth, O. S. Senturk, W. Clegg, S. Doherty and M. R. J. Elsegood.
J. Chem. Soc. Dalton Trans. 2001, 341–352.
715. Synthesis and structural characterisation of [Mo(NNPh₂)(NPh₂)(mesityl)₂(OC₆F₅)] and {[W(NNPh₂)(NPh₂)(OSiMe₃)₂(μ -Cl)₂(μ -O)}: isodiazene complexes with bulky amide groups arising via N–N bond cleavage
C. Redshaw, W. Clegg and M. R. J. Elsegood.
Polyhedron 2001, **20**, 119–123.
716. Coordination chemistry of [Nb₂(S₂)₂]⁴⁺ clusters: preparation and crystal structures of K₄[Nb₂(S₂)₂(C₂O₄)₄]·6H₂O and (NH₄)₆[Nb₂(S₂)₂(C₂O₄)₄](C₂O₄)
M. Sokolov, A. Virovets and W. Clegg.
Z. Anorg. Allg. Chem. 2001, **627**, 119–123.
717. Ruthenium-carbon bond formation via cyclometallation of a nucleobase
C. Price, M. A. Shipman, S. L. Gummerson, A. Houlton, W. Clegg and M. R. J. Elsegood.
J. Chem. Soc. Dalton Trans. 2001, 353–354.
718. Cation-induced structural variations in the alkali metal derivatives of 2-trimethylsilylaminopyridine: synthesis and X-ray structures of complexes for all five metals Li–Cs with 12-crown-4
S. T. Liddle and W. Clegg.
J. Chem. Soc. Dalton Trans. 2001, 402–408.

719. Synthesis and crystal structure of the new heteroleptic magnesium bis(amide) $[\{\text{Mg}[\mu\text{-N}(\text{H})\text{Ph}][\text{N}(\text{SiMe}_3)_2]\cdot\text{THF}\}_2]$, and density functional MO calculations on model systems D. R. Armstrong, W. Clegg, R. E. Mulvey and R. B. Rowlings. *J. Chem. Soc. Dalton Trans.* 2001, 409–413.
720. Synthesis and crystal structure of a copper(I) complex containing tetrathiomolybdate and dihydrobis(3,5-dimethylpyrazolyl)borate ligands: $[\text{Et}_4\text{N}]_2[(\text{Bp}'\text{CuMoS}_4\text{Cu}_2(\mu\text{-Bp}')_2\text{Cu}_2\text{MoS}_4\text{Cu}(\text{Bp}'))]$ ($\text{Bp}' = \text{H}_2\text{B}(3,5\text{-Me}_2\text{Pz})_2$) and crystal structure of $[(\text{Bp}')_2\text{Cu}]$ A. Beheshti, W. Clegg and M. H. Sadr. *Polyhedron* 2001, **20**, 179–183.
721. Migratory insertion and CO substitution reactions of the β,γ -unsaturated esters and amides $[\text{Fe}_2(\text{CO})_5(\mu\text{-PPh}_2)(\mu\text{-}\eta^1\text{:}\eta^2\text{-}\{\text{NuC}(\text{O})\text{CH}_2\}\text{C}=\text{CH}_2)]$ ($\text{Nu} = \text{OMe}, \text{OEt}, \text{OPr}^i, \text{NHPh}, \text{NHBu}^t$): synthesis and characterisation of acyl-bridged $[\text{Fe}_2(\text{CO})_4\text{L}_2(\mu\text{-PPh}_2)(\mu\text{-C}=\text{O}\{\text{C}=\text{CH}_2\}\text{CH}_2\text{C}(\text{O})\text{Nu})]$ ($\text{L}_2 = \text{dppm}, \text{dppe}$) and alkenyl-bridged $[\text{Fe}_2(\text{CO})_4\{\text{P}(\text{OMe})_3\}_2(\mu\text{-PPh}_2)(\mu\text{-}\eta^1\text{:}\eta^2\text{-}\{\text{NuC}(\text{O})\text{CH}_2\}\text{C}=\text{CH}_2)]$ S. Doherty, G. Hogarth, M. Waugh, T. H. Scanlan, M. R. J. Elsegood and W. Clegg. *J. Organomet. Chem.* 2001, **620**, 150–164.
722. Schiff bases derived from mercury(II)-aminothiolate complexes as metalloligands for transition metals X. Almagro, W. Clegg, L. Cucurull-Sanchez, P. González-Duarte and M. Traveria. *J. Organomet. Chem.* 2001, **623**, 137–148.
723. Synthesis of fluorescent stilbene and tolan rotaxanes by Suzuki coupling C. A. Stanier, M. J. O'Connell, W. Clegg and H. L. Anderson. *Chem. Commun.* 2001, 493–494.
724. The first structurally authenticated Rb-PR₃ and Cs-PR₃ contacts. Synthesis and crystal structures of $[\text{Rb}\{(\text{Me}_3\text{Si})_2\text{CP}(\text{C}_6\text{H}_4\text{-2-CH}_2\text{NMe}_2)_2\}]_n$ and $[\text{Cs}\{(\text{Me}_3\text{Si})_2\text{CP}(\text{C}_6\text{H}_4\text{-2-CH}_2\text{NMe}_2)_2\}(\text{toluene})]_n$ K. Izod, W. Clegg and S. T. Liddle. *Organometallics* 2001, **20**, 367–369.
725. Regioselective metalation of a tertiary phosphine. Synthesis and structural characterization of an unusual tetrameric lithium phosphinomethanide K. Izod, P. O'Shaughnessy, W. Clegg and S. T. Liddle. *Organometallics* 2001, **20**, 648–653.
726. Macrochelation, cyclometallation and G-quartet formation: N³- and C⁸-bound Pd^{II} complexes of adenine and guanine C. Price, M. A. Shipman, N. H. Rees, M. R. J. Elsegood, A. J. Edwards, W. Clegg and A. Houlton. *Chem. Eur. J.* 2001, **7**, 1194–1201.
727. The oxidative rearrangement of furan-2-carboximidamides: preparation and properties of 2-acylaminofurans M. Bobošíková, W. Clegg, S. J. Coles, M. Dandárová, M. B. Hursthouse, T. Kiss, A. Krutošíková, T. Liptaj, N. Prónayová and C. A. Ramsden. *J. Chem. Soc. Perkin Trans. 1* 2001, 680–689.
728. The synthesis of cyclic tetrapeptoid analogues of the antiprotozoal natural product apicidin P. J. Murray, M. Kranz, M. Ladlow, S. Taylor, F. Berst, A. B. Holmes, K. N. Keavey, A. Jaxa-Chamiec, P. W. Seale, P. Stead, R. J. Upton, S. L. Croft, W. Clegg and M. R. J. Elsegood. *Bioorg. Med. Chem. Lett.* 2001, **11**, 773–776.

729. Phosphine promoted substituent redistribution reactions of B-chlorocatechol borane: molecular structures of ClBcat, BrBcat and L·ClBcat (cat = 1,2-O₂C₆H₄; L = PMe₃, PEt₃, PBu^t₃, PCy₃, NEt₃, R. B. Coapes, F. E. S. Souza, M. A. Fox, A. S. Batsanov, A. E. Goeta, D. S. Yufit, M. A. Leech, J. A. K. Howard, A. J. Scott, W. Clegg and T. B. Marder.
J. Chem. Soc. Dalton Trans. 2001, 1201–1209.
730. Lithium alkylselenolates and -tellurolates – a solid-state and solution structural study
W. Clegg, R. P. Davies, R. Snaith and A. E. H. Wheatley.
Eur. J. Inorg. Chem. 2001, 1411–1413.
731. Zirconium-mediated synthesis of a new class of 1,4-bis(diphenylphosphino)-1,3-butadiene-bridged diphosphine, NUPHOS: highly efficient catalysts for palladium-mediated cross couplings
S. Doherty, J. G. Knight, E. G. Robins, T. H. Scanlan, P. A. Champkin and W. Clegg.
J. Am. Chem. Soc. 2001, **123**, 5110–5111.
732. Dialkylscandium complexes supported by β-diketiminato ligands: synthesis, characterization, and thermal stability of a new family of organoscandium complexes
P. G. Hayes, W. E. Piers, L. W. M. Lee, L. K. Knight, M. Parvez, M. R. J. Elsegood and W. Clegg.
Organometallics 2001, **20**, 2533–2544.
733. Basicities of nickel and allyl in [Ni(η³-C₃H₅)(PhP(CH₂CH₂PPh₂)₂)⁺ and comparison of the effects of allyl and methyl on the basicity of nickel
W. Clegg, G. Cropper, R. A. Henderson, C. Strong and B. Parkinson.
Organometallics 2001, **20**, 2579–2582.
734. Complexes of heterocyclic thiones and group 12 metals. Part four. Preparation and characterisation of 1:1 complexes of mercury(II) halides with 1,3-thiazolidine-2-thione and 1,3-benzothiazoline-2-thione. Crystal structure of the discrete trans dimer [(μ-dibromo)bis(trans{(bromo)(1,3-thiazolidine-2-thione)}mercury(II))]
N. A. Bell, T. N. Branston, W. Clegg, L. Parker, E. S. Raper, C. Sammon and C. P. Constable.
Inorg. Chim. Acta 2001, **319**, 130–136.
735. Isomeric icosaboranes B₂₀H₂₆: the synchrotron structure of 1,1'-bis(*nido*-decaboranyl)
J. Bould, W. Clegg, J. D. Kennedy and S. J. Teat.
Acta Cryst. 2001, **C57**, 779–780.
736. Formation of group 14 and 15 heteroatom derivatives of trinuclear [M₃Se₄(H₂O)₉]⁴⁺ (M = Mo, W) and the decreased reactivity of [W₃S₄(H₂O)₉]⁴⁺
R. Hernandez-Molina, M. R. J. Elsegood, W. Clegg and A. G. Sykes.
J. Chem. Soc. Dalton Trans. 2001, 2173–2178.
737. Metal-assisted reactions. Part 29. Structure and hydrogenolysis of C–N bonds in derivatives of aromatic amines. Bond length and electronegativity changes from X-ray crystallographic data
A. F. Brigas, W. Clegg, C. J. Dillon, C. F. C. Fonseca and R. A. W. Johnstone.
J. Chem. Soc. Perkin Trans. 2 2001, 1315–1324.
738. Synthesis and structure of the novel mixed anion-dianion lithium cage compound
[(6-LiCH₂Py-2-OLi)₄(6-CH₃Py-2-OLi)₂(thf)₉]
S. T. Liddle and W. Clegg.
Chem. Commun. 2001, 1584–1585.
739. Bis[μ-1-(2,4,6-trimethylphenyl)ethanolato-O:O]-bis(dimethylaluminium)
W. Clegg, K. Wade and I. M. Rakov.
Acta Cryst. 2001, **E57**, m387–m389.

740. Ligand effects in the syntheses of molecular main group metal species containing interstitial hydride
D. R. Armstrong, R. P. Davies, W. Clegg, S. T. Liddle, D. J. Linton, P. Schooler, R. Snaith
and A. E. H. Wheatley.
Phosphorus, Sulfur and Silicon 2001, **168**, 93–98.
741. *N*-tritylhydroxylamines: preparations, structures, base strengths, and reactions with nitrous acid and
perchloric acid
M. Canle L., W. Clegg, I. Demirtas, M. R. J. Elsegood, J. Haider, H. Maskill and P. C. Miatt.
J. Chem. Soc. Perkin Trans. 2 2001, 1742–1747.
742. Preparation and properties of heterometallic cube derivatives $\text{Mo}_3\text{M}'\text{S}_4$ from $[\text{Mo}_3\text{S}_4(\text{H}_2\text{O})_9]^{4+}$ with $\text{M}' =$
Pt, Rh and Re, and $[\text{W}_3\text{S}_4(\text{H}_2\text{O})_9]^{4+}$ analogues
M. N. Sokolov, D. Villagra, A. M. El-Hendawy, C.-H. Kwak, M. R. J. Elsegood, W. Clegg
and A. G. Sykes.
J. Chem. Soc. Dalton Trans. 2001, 2611–2615.
743. Inner- and outer-sphere co-ordination of the minor groove site of adenine by alkali metal ions
A. E. Gibson, C. Price, W. Clegg and A. Houlton.
J. Inorg. Biochem. 2001, **86**, 234.
744. Triple linking of the decaboranyl cluster. Structure of $[(\text{SMe}_2)_2\text{B}_{10}\text{H}_{10}(\text{B}_{10}\text{H}_{13})_2]$ as determined by
synchrotron X-ray diffraction analysis
J. Bould, U. Dörfler, W. Clegg, S. J. Teat, M. Thornton-Pett and J. D. Kennedy.
Chem. Commun. 2001, 1788–1789.
745. Synthesis and crystal structure determination of $[\text{PPh}_4][\text{WO}_2\text{S}_2(\text{CuPPh}_3)]$ and of $[\text{Et}_4\text{N}]_2[\text{WS}_4(\text{CuNCSe})_4]$
with a sheet polymeric anion. Synthesis and characterisation of $[\text{PPh}_4]_2[\text{WO}_2\text{S}_2(\text{CuNCS})]$
A. Beheshti, W. Clegg and H. Fallah.
Inorg. Chim. Acta 2001, **322**, 1–6.
746. Diaquabis(*N,N*-diethylnicotinamide)bis(2-hydroxybenzoato)zinc(II)
H. Necefoglu, W. Clegg and A. J. Scott.
Acta Cryst. 2001, **E57**, m462–m464.
747. Diaquabis(*N,N*-diethylnicotinamide)bis(4-nitrobenzoato)zinc(II)
H. Necefoglu, W. Clegg and A. J. Scott.
Acta Cryst. 2001, **E57**, m465–m466.
748. Diaquabis(4-nitrobenzoato)zinc(II): a redetermination
H. Necefoglu, W. Clegg and A. J. Scott.
Acta Cryst. 2001, **E57**, m472–m474.
749. Regioselective tetrametalation of ferrocene in a single reaction: extension of s-block inverse crown
chemistry to the d-block
W. Clegg, K. Wade, A. R. Kennedy, R. E. Mulvey, C. T. O'Hara, R. B. Rowlings and D. M. Tooke.
Angew. Chem. Int. Ed. 2001, **40**, 3902–3905.
750. Selectivity for the methoxycarbonylation of ethylene versus CO–ethylene copolymerisation with catalysts
based on C_4 -bridged bidentate phosphines and phospholes
S. Doherty, E. G. Robins, J. G. Knight, C. R. Newman, B. Rhodes, P. A. Champkin and W. Clegg.
J. Organomet. Chem. 2001, **640**, 182–196.
751. Crystal structure of a supramolecular adduct of tetrachloroferrate(III) with cucurbituril
 $(\text{H}_7\text{O}_3)_4[\text{FeCl}_4]_2\text{Cl}_2 \cdot \text{C}_{36}\text{H}_{36}\text{N}_{24}\text{O}_{12} \cdot 3\text{H}_2\text{O}$
A. V. Virovets, D. G. Samsonenko, D. N. Dybtsev, V. P. Fedin and W. Clegg.
J. Struct. Chem. 2001, **42**, 319–321.

752. Synthesis, crystal structure determination, and biological properties of the DNA-dependent protein kinase (DNA-PK) inhibitor 3-cyano-6-hydrazonomethyl-5-(4-pyridyl)pyrid-[1H]-2-one (OK-1035)
M. Stockley, W. Clegg, G. Fontana, B. T. Golding, N. Martin, L. J. M. Rigoreau, G. C. M. Smith and R. J. Griffin.
Bioorg. Med. Chem. Lett. 2001, **11**, 2837–2841.
753. Preparation, structure and reactivity of Ge-containing heterometallic cube derivatives of $[M_3E_4(H_2O)_9]^{4+}$ (M = Mo, W; E = S, Se)
M.-S. Seo, V. P. Fedin, M. N. Sokolov, R. Hernandez-Molina, A. Sokolowski, M. R. J. Elsegood, W. Clegg and A. G. Sykes.
Inorg. Chem. 2001, **40**, 6115–6122.
754. Preparation, structure, and properties of the corner-shared double cubes $[Mo_6HgQ_8(H_2O)_{18}]^{8+}$ (Q = S, Se) and tungsten analogues
V. P. Fedin, M. Sokolov, G. J. Lamprecht, R. Hernandez-Molina, M.-S. Seo, A. V. Virovets, W. Clegg and A. G. Sykes.
Inorg. Chem. 2001, **40**, 6598–6603.
755. Stereocontrolled approaches to 2-(2-aminoalkyl)-1-hydroxycyclopropanes
M. S. Baird, F. A. M. Huber and W. Clegg.
Tetrahedron 2001, **57**, 9849–9858.
756. Formation of $[M(15\text{-crown-5})_2][Li(NHPPy)_3]$ (M = K or Cs): the first structurally authenticated examples of a monomeric lithium species coordinated by three amide anions
S. T. Liddle and W. Clegg.
J. Chem. Soc. Dalton Trans. 2001, 3549–3550.
757. Introduction to symmetry and diffraction
W. Clegg.
B. C. A. Intensive School, Durham University, 2001, unnumbered pages.
758. Space group determination
W. Clegg.
B. C. A. Intensive School, Durham University, 2001, unnumbered pages.
759. Fourier syntheses
W. Clegg.
B. C. A. Intensive School, Durham University, 2001, unnumbered pages.
760. Patterson syntheses for structure determination
W. Clegg.
B. C. A. Intensive School, Durham University, 2001, unnumbered pages.
761. Synthesis and the crystal structure of the supramolecular complex $[Cl_3InW_3S_4(H_2O)_9]^{2+}$ with cucurbituril
M. N. Sokolov, D. N. Dybtsev, A. V. Virovets, W. Clegg and V. P. Fedin.
Russ. Chem. Bull. Int. Ed. 2001, **50**, 1144–1147.
-
762. Structure Reports Online: the first year
W. Clegg and D. G. Watson.
Acta Cryst. 2002, **E58**, e1.
763. Controlled stepwise conversion of 2,4,6,8-tetrachloropyrimido[5,4-*d*]pyrimidine into 2,4,6,8-tetrasubstituted pyrimido[5,4-*d*]pyrimidines
J. S. Northen, F. T. Boyle, W. Clegg, N. J. Curtin, A. J. Edwards, R. J. Griffin and B. T. Golding.
J. Chem. Soc. Perkin Trans. 1 2002, 108–115.

764. Inner- and outer-sphere binding of the minor groove site of adenine by alkali metal ions
A. E. Gibson, C. Price, W. Clegg and A. Houlton.
J. Chem. Soc. Dalton Trans. 2002, 131–133.
765. Formation (and properties) of palladium derivatives of $[\text{Mo}_3\text{Q}_4(\text{H}_2\text{O})_9]^{4+}$: absence of similar derivatives of $[\text{W}_3\text{Q}_4(\text{H}_2\text{O})_9]^{4+}$ (Q = S, Se)
V. P. Fedin, M.-S. Seo, D. M. Saysell, D. N. Dybtsev, M. R. J. Elsegood, W. Clegg and A. G. Sykes.
J. Chem. Soc. Dalton Trans. 2002, 138–143.
766. Making conjugated connections to porphyrins: a comparison of alkyne, alkene, imine and azo links
T. E. O. Screen, I. M. Blake, L. H. Rees, W. Clegg, S. J. Borwick and H. L. Anderson.
J. Chem. Soc. Perkin Trans. 1 2002, 320–329.
767. Unusual solvent-promoted Smiles rearrangement of two different phosphorus-containing organolithium compounds to the same lithium phosphide. Crystal structure of $\text{MeP}\{\text{C}_6\text{H}_4\text{-2-CH}(\text{C}_6\text{H}_4\text{-2-CH}_2\text{NMe}_2)\text{NMe}_2\}\text{Li}(\text{THF})_2$
K. Izod, P. O'Shaughnessy and W. Clegg.
Organometallics 2002, **21**, 641–646.
768. Tetrakis(μ -benzoato)bis[(*N,N*-diethylnicotinamide)zinc(II)]
H. Necefoglu, W. Clegg and A. J. Scott.
Acta Cryst. 2002, **E58**, m121–m122.
769. A linear trinuclear CaZn_2 complex with bridging benzoate ligands
H. Necefoglu, W. Clegg and A. J. Scott.
Acta Cryst. 2002, **E58**, m123–m124.
770. Kinetic evidence for intramolecular proton transfer between nickel and coordinated thiolate
W. Clegg and R. A. Henderson.
Inorg. Chem. 2002, **41**, 1128–1135.
771. A high yielding route to substituted piperidines via the aza-Diels-Alder reaction
P. D. Bailey, P. D. Smith, F. Pederson, W. Clegg, G. M. Rosair and S. J. Teat.
Tetrahedron Lett. 2002, **43**, 1067–1070.
772. Synthesis of a new class of 1,4-bis(diphenylphosphino)-1,3-butadiene bridged diphosphine, NUPHOS, via zirconium-mediated reductive coupling of alkynes and diynes: applications in palladium-catalyzed cross-coupling reactions
S. Doherty, E. G. Robins, M. Nieuwenhuyzen, J. G. Knight, P. A. Champkin and W. Clegg.
Organometallics 2002, **21**, 1383–1399.
773. Hexakis(antipyrine-O)terbium(III) triiodide at 160K: confirmation of a centrosymmetric structure for a brilliantly triboluminescent complex
W. Clegg, G. Bourhill and I. Sage.
Acta Cryst. 2002, **E58**, m159–m161.
774. Preparation and characterization of triangular clusters $[\text{M}_3\text{Q}_4(\text{acac})_3(\text{py})_3]^+$ (M = Mo, W; Q = S, Se)
R. Hernandez-Molina, M. Sokolov, W. Clegg and A. Mederos.
Inorg. Chim. Acta 2002, **331**, 52–58.
775. An unexpected transamination of bis[bis(trimethylsilyl)amido]zinc with dibenzylamine to form bis(dibenzylamido)zinc: structural studies by NMR spectroscopy, X-ray crystallography and theoretical calculations
D. R. Armstrong, G. C. Forbes, R. E. Mulvey, W. Clegg and D. M. Tooke.
J. Chem. Soc. Dalton Trans. 2002, 1656–1661.

776. Self-complementary metal complexes containing a DNA base pair
C. Price, B. R. Horrocks, A. Mayeux, M. R. J. Elsegood, W. Clegg and A. Houlton.
Angew. Chem. Int. Ed. 2002, **41**, 1047–1049.
777. Iminophosphines: synthesis, formation of 2,3-dihydro-1*H*-benzo[1,3]azaphosphol-3-ium salts and *N*-(pyridin-2-yl)-2-diphenylphosphinoylaniline, coordination chemistry and applications in platinum group catalyzed Suzuki coupling reactions and hydrosilylations
S. Doherty, J. G. Knight, T. H. Scanlan, M. R. J. Elsegood and W. Clegg.
J. Organomet. Chem. 2002, **650**, 231–248.
778. Characterization and dynamics of $[\text{Pd}(\text{L-L})\text{H}(\text{solv})]^+$, $[\text{Pd}(\text{L-L})(\text{CH}_2\text{CH}_3)]^+$, and $[\text{Pd}(\text{L-L})(\text{C}(\text{O})\text{Et})(\text{THF})]^+$ (L-L = 1,2-($\text{CH}_2\text{P}^t\text{Bu}_2$) $_2\text{C}_6\text{H}_4$): key intermediates in the catalytic methoxycarbonylation of ethene to methylpropanoate
W. Clegg, G. R. Eastham, M. R. J. Elsegood, B. T. Heaton, J. A. Iggo, R. P. Tooze, R. Whyman and S. Zacchini.
Organometallics 2002, **21**, 1832–1840.
779. A solid state and theoretical study of the solvent effects controlling the mono- and di-lithiation of aromatic primary amines
D. R. Armstrong, S. C. Ball, D. Barr, W. Clegg, D. J. Linton, L. C. Kerr, D. Moncrieff, P. R. Raithby, R. J. Singer, R. Snaith, D. Stalke, A. E. H. Wheatley and D. S. Wright.
J. Chem. Soc. Dalton Trans. 2002, 2505–2511.
780. Diverse evolution of $[\{\text{Ph}_2\text{P}(\text{CH}_2)_n\text{PPh}_2\}\text{Pt}(\mu\text{-S})_2\text{Pt}(\{\text{Ph}_2\text{P}(\text{CH}_2)_n\text{PPh}_2\})]$ ($n = 2, 3$) metalloligands in CH_2Cl_2
R. Mas-Ballesté, M. Capdevila, P. A. Champkin, W. Clegg, R. A. Coxall, A. Lledós, C. Mégret and P. González-Duarte.
Inorg. Chem. 2002, **41**, 3217–3229.
781. Synthesis, characterization and crystal structure determination of $(\text{NEt}_4)_2[\text{MS}_4(\text{CuBp}')_2] \cdot \text{X}$ ($\text{M} = \text{Mo}$, $\text{X} = (\text{CH}_3)_2\text{CO}$; $\text{M} = \text{W}$, $\text{X} = \text{CH}_3\text{CN}$; $\text{Bp}' = \text{H}_2\text{B}(3,5\text{-Me}_2\text{Pz})_2$)
A. Beheshti, W. Clegg and M. H. Sadr.
Inorg. Chim. Acta 2002, **335**, 21–26.
782. Structural chemistry of *arachno*-nonaboranes
J. Bould, R. Greatrex, J. D. Kennedy, D. L. Ormsby, M. G. S. Londesborough, K. L. F. Callaghan, M. Thornton-Pett, T. R. Spalding, S. J. Teat, W. Clegg, H. Fang, N. P. Rath and L. Barton.
J. Am. Chem. Soc. 2002, **124**, 7429–7439.
783. Bis(tetraethylammonium) bis[cyanocuprate(I)]tetrathiomolybdate(VI) hydrate
W. Clegg, A. Beheshti and M. Hosaini Sadr.
Acta Cryst. 2002, **E58**, m349–m351.
784. (4*S*,5*S*)-4-Methyl-5-(4-tolylthiocarbonyl)oxazolidin-2-one
W. Clegg and M. R. J. Elsegood.
Acta Cryst. 2002, **E58**, o758–o759.
785. (4*RS*,5*RS*)-4-Phenyl-5-(4-tolylthiocarbonyl)oxazolidin-2-one
W. Clegg and M. R. J. Elsegood.
Acta Cryst. 2002, **E58**, o760–o762.
786. (4*RS*,5*RS*)-4-Benzyl-5-(4-tolylthiocarbonyl)oxazolidin-2-one
W. Clegg and M. R. J. Elsegood.
Acta Cryst. 2002, **E58**, o763–o764.

787. (4*S*,5*S*)-4-Benzyl-oxooxazolidine-5-carboxylic acid
W. Clegg and M. R. J. Elsegood.
Acta Cryst. 2002, **E58**, o765–o766.
788. (4*S*,5*S*)-2-Benzyloxy-4-methyl-5-(4-tolylthiocarbonyl)oxazoline
W. Clegg and L. Horsburgh.
Acta Cryst. 2002, **E58**, o767–o768.
789. Synthesis and structures of the $\text{WOS}_3\text{Cu}_3\text{Pz}_3\text{Cl}$ and $[\text{PPh}_4]_4[\{\text{WOS}_3(\text{CuNCSe})_3\}_2]$ clusters (Pz = pyrazole), and structure of $[\text{PPh}_4]_2[\text{Cu}(\text{NCS})_4]$
A. Beheshti, W. Clegg, R. Hyvadi and H. F. Hekmat.
Polyhedron 2002, **21**, 1547–1552.
790. Metallocene–DNA: synthesis, molecular and electronic structure and DNA incorporation of C5-ferrocenylthymidine derivatives
A. Pike, L. C. Ryder, B. R. Horrocks, W. Clegg, M. R. J. Elsegood, B. A. Connolly and A. Houlton.
Chem. Eur. J. 2002, **8**, 2891–2899.
791. Teaching crystallography through an intensive course
A. J. Blake, W. Clegg, J. A. K. Howard, P. Main, S. Parsons, D. J. Watkin and C. Wilson.
Z. Krist. 2002, **217**, 427–428.
792. Monocarbaborane anion chemistry. The substantiation of the C-arylated $[\text{PhCB}_5\text{H}_6]^-$ seven-vertex *closo* cluster anion by single-crystal synchrotron X-ray diffraction analysis
A. Franken, D. L. Ormsby, C. A. Kilner, W. Clegg, M. Thornton-Pett and J. D. Kennedy.
J. Chem. Soc. Dalton Trans. 2002, 2807–2808.
793. A homologous series of alkaline earth phosphanides: syntheses, crystal structures, and unusual dynamic behavior of $(\text{THF})_n\text{M}[\text{P}\{\text{CH}(\text{SiMe}_3)_2\}(\text{C}_6\text{H}_4\text{-2-CH}_2\text{NMe}_2)]_2$ (M = Mg, Ca, Sr, Ba)
S. Blair, K. Izod and W. Clegg.
Inorg. Chem. 2002, **41**, 3886–3893.
794. Isolation and structural characterisation of two sterically crowded diphosphanes
S. Blair, K. Izod, R. Taylor and W. Clegg.
J. Organomet. Chem. 2002, **656**, 43–48.
795. Chloro-*cis*-dihydro-*mer*-tris(triphenylphosphine)rhodium(III) dichloromethane hemisolvate
W. Clegg, M. R. J. Elsegood, N. C. Norman and N. L. Pickett.
Acta Cryst. 2002, **E58**, m406–m407.
796. Hydridodichlorotris(methyldiphenylphosphine)rhodium(III) dichloromethane trisolvate
W. Clegg, A. J. Scott, N. C. Norman, E. G. Robins and G. R. Whittell.
Acta Cryst. 2002, **E58**, m408–m409.
797. Trichloro(perdeuteroacetonitrile)bis(triphenylphosphine)rhodium(III)
W. Clegg, A. J. Scott, N. C. Norman, E. G. Robins and G. R. Whittell.
Acta Cryst. 2002, **E58**, m410–m411.
798. Macropolyhedral boron-containing cluster chemistry. Models for intermediates en route to globular and discoidal megaloborane assemblies. Structures of $[\text{nido-B}_{10}\text{H}_{12}(\text{nido-B}_5\text{H}_8)_2]$ and $[(\text{CH}_2\text{CH}_2\text{C}_5\text{H}_4\text{N})\text{-arachno-B}_{10}\text{H}_{10}(\text{NC}_5\text{H}_4\text{-closo-C}_2\text{B}_{10}\text{H}_{10})]$ as determined by synchrotron X-ray diffraction analysis
J. Bould, M. G. S. Londesborough, D. L. Ormsby, J. A. H. MacBride, K. Wade, C. A. Kilner, W. Clegg, S. J. Teat, M. Thornton-Pett, R. Greatrex and J. D. Kennedy.
J. Organomet. Chem. 2002, **657**, 256–261.

799. Assembly of polyamines *via* amino acids from three components using cobalt(III) template methodology
G. Laval, W. Clegg, C. G. Crane, A. Hammershøi, A. M. Sargeson and B. T. Golding.
Chem. Commun. 2002, 1874–1875.
800. Trapping of benzene oxide-oxepin and methyl-substituted derivatives with 4-phenyl- and
4-pentafluorophenyl-1,2,4-triazoline-3,5-dione
A. P. Henderson, E. Mutlu, A. Leclercq, C. Bleasdale, W. Clegg, R. A. Henderson and B. T. Golding.
Chem. Commun. 2002, 1956–1957.
801. Synthesis and reactivity of palladium hydrido-solvento complexes, including a key intermediate in the
catalytic methoxycarbonylation of ethene to methyl propanoate
W. Clegg, G. R. Eastham, M. R. J. Elsegood, B. T. Heaton, J. A. Iggo, R. P. Tooze, R. Whyman
and S. Zacchini.
J. Chem. Soc. Dalton Trans. 2002, 3300–3308.
802. First evidence of fast S–H...S proton transfer in a transition metal complex
G. Aullón, M. Capdevila, W. Clegg, P. González-Duarte, A. Lledós and R. Mas-Ballesté.
Angew. Chem. Int. Ed. 2002, **41**, 2776–2778.
803. Palladium complexes of 2-pyridin-2-yl substituted 1,3-bis(diphenylphosphino)propane: highly active
catalysts for the room-temperature copolymerization of carbon monoxide with ethene
S. Doherty, E. G. Robins, M. Nieuwenhuyzen, P. A. Champkin and W. Clegg.
Organometallics 2002, **21**, 4147–4158.
804. Dilithio-1,1,2-tris(diphenylphosphinoyl)ethane-1,2-diide: the first formal 1,2-dicarbocation stabilised by
phosphorus?
K. Izod, W. McFarlane and W. Clegg.
Chem. Commun. 2002, 2532–2533.
805. Synthesis and structure of the novel octanuclear lithium aryloxide cluster [(hmqLi)₈(THF)₄] (hmq[−] =
2-hydroxy-4-methylquinoline monoanion): formation of a rare four-rung intercepted Li–O ladder
S. T. Liddle and W. Clegg.
J. Chem. Soc. Dalton Trans. 2002, 3923–3924.
806. Synthesis and crystal structures of the 15-crown-5 solvates of potassium- and rubidium-
2-trimethylsilylamidopyridine
S. T. Liddle and W. Clegg.
Polyhedron 2002, **21**, 2451–2455.
807. Synthesis of highly hindered oxepins and an azepine from bis-trityl carbenium ions: structural
characterisation by NMR and X-ray crystallography
K. A. Carey, W. Clegg, M. R. J. Elsegood, B. T. Golding, M. N. S. Hill and H. Maskill.
J. Chem. Soc. Perkin Trans. 1 2002, 2673–2679.
808. (1*SR*,15*SR*)-9,10,11,15-Tetrahydro-9-[(1*SR*)-1-methoxyethyl]-9,10-[3',4']furanoanthracene-12,14-dione
R. W. Harrington and W. Clegg.
Acta Cryst. 2002, **E58**, o1411–o1412.
809. (3*aSR*,9*aSR*)-3*a*,4,9,9*a*-Tetrahydro-4-[(1*SR*)-1-methoxyethyl]-2-methyl-4,9-[1',2']-benzeno-1*H*-
benzo[*f*]isoindole-1,3-(2*H*)-dione
R. W. Harrington and W. Clegg.
Acta Cryst. 2002, **E58**, o1413–o1414.

810. Future directions in solid state chemistry: report of the NSF-sponsored workshop
R. J. Cava, F. J. DiSalvo, L. E. Brus, K. R. Dunbar, C. B. Gorman, S. M. Haile, L. V. Interrante,
J. L. Musfeldt, A. Navrotsky, R. G. Nuzzo, W. E. Pickett, A. P. Wilkinson, C. Ahn, J. W. Allen,
P. C. Burns, G. Ceder, C. E. D. Chidsey, W. Clegg, E. Coronado, H. Dai, M. W. Deem,
B. S. Dunn, G. Galli, A. J. Jacobson, M. Kanatzidis, W. Lin, A. Manthiram, M. Mrksich,
D. J. Norris, A. J. Nozik, X. Peng, C. Rawn, D. Rolison, D. J. Singh, B. H. Toby, S. Tolbert,
U. B. Wiesner, P. M. Woodward and P. Yang.
Prog. Solid State Chem. 2002, **30**, 1–101.
811. *Acta Crystallographic Section E (Structure Reports Online)*: Report for 2001
W. Clegg and D. G. Watson.
Acta Cryst. 2002, **A58**, C65.
-
812. Structure Reports Online: from infancy to maturity
W. Clegg and D. G. Watson.
Acta Cryst. 2003, **E59**, e1.
813. Some guidelines for publishing *SHELXL*-generated CIF results in *Acta Crystallographica*
W. Clegg.
Acta Cryst. 2003, **E59**, e2–e5.
814. 5-Cyano-7-methoxy-2,2-dimethyl-4-oxochroman-6-yl acetate
W. Clegg.
Acta Cryst. 2003, **E59**, o61–o62.
815. Benzyl (2*S*)-2-*tert*-butoxycarbonylamino-5-(2-furyl)-5-oxopentanoate
W. Clegg, R. F. W. Jackson and N. Wishart.
Acta Cryst. 2003, **E59**, o86–o88.
816. Sterically controlled mono- or dimetalation of a thioether-functionalized phosphine and an unusual light-induced phosphide-thiolate rearrangement
S. Blair, K. Izod, R. W. Harrington and W. Clegg.
Organometallics 2003, **22**, 302–308.
817. Stabilization of the previously unknown tautomer $\text{HP}(\text{OH})_2$ of hypophosphorous acid as ligand; preparation of $[\text{W}_3(\text{Ni}(\text{HP}(\text{OH})_2))\text{Q}_4(\text{H}_2\text{O})_9]^{4+}$ (Q = S, Se) complexes
M. N. Sokolov, R. Hernandez-Molina, W. Clegg, V. P. Fedin and A. Mederos.
Chem. Commun. 2003, 140–141.
818. A triclinic polymorph of octa-*tert*-butoxytetralithiumtetrasodium
W. Clegg, A. M. Drummond, S. T. Liddle and R. E. Mulvey.
Acta Cryst. 2003, **E59**, m64–m66.
819. Potassium-zinc induced synergic enhancement of the basicity of hexamethyldisilazide (HMDS) towards methylbenzene molecules
W. Clegg, G. C. Forbes, A. R. Kennedy, R. E. Mulvey and S. T. Liddle.
Chem. Commun. 2003, 406–407.
820. Synthesis, structure and magnetic properties of a mononuclear Cu(II) complex with a NNO donor Schiff base ligand and its oxalato- and oxamidato-bridged dinuclear complexes
M. K. Saha, D. K. Dey, B. Samanta, A. J. Edwards, W. Clegg and S. Mitra.
Dalton Trans. 2003, 488–492.
821. 1,2-Bis[bis(4-methoxyphenyl)hydroxymethyl]benzene
K. A. Carey, W. Clegg, M. R. J. Elsegood, B. T. Golding and H. Maskill.
Acta Cryst. 2003, **E59**, o263–o265.

822. Tetrakis(μ_3 -phenoxo-acetonitrile)lithium, a tetramolecular lithium aryloxide with a cubane core. M. Tombul, R. J. Errington, R. A. Coxall and W. Clegg. *Acta Cryst.*, 2003, **E59**, m137–m139.
823. Synthesis of a biphenyl-based cyclophane via benzidine rearrangement of a constrained *m*-nitrophenol derivative
A. C. Benniston, W. Clegg, A. Harriman, R. W. Harrington, P. Li and C. Sams. *Tetrahedron Lett.* 2003, **44**, 2665–2667.
824. (*trans*-Cinnamaldehyde)tris(2,6-diphenylphenoxy)aluminium
W. Clegg, M. R. J. Elsegood, R. Snaith and A. E. H. Wheatley. *Acta Cryst.* 2003, **E59**, m225–m227.
825. Substitution of the chloro ligands in *cis*-[CoCl₂(2-C₅H₄-NCO₂Prⁱ)₂]: structural characterization of four mononuclear products showing both *cis* and *trans* configurations at Co(II)
R. March, W. Clegg, R. A. Coxall and P. González-Duarte. *Inorg. Chim. Acta* 2003, **346**, 87–94.
826. Minor groove site coordination of adenine by platinum group metal ions: effects on basicity, base-pairing, and electronic structure
D. Amantia, C. Price, M. A. Shipman, M. R. J. Elsegood, W. Clegg and A. Houlton. *Inorg. Chem.* 2003, **42**, 3047–3056.
827. An alkoxide cluster with eighteen Li⁺ ions encapsulating two borate anions, [(^tBuO)₁₂Li₁₈(BO₃)₂]
M. Tombul, R. J. Errington, R. A. Coxall and W. Clegg. *Acta Cryst.* 2003, **C59**, m231–m233.
828. [3*R*-(3 β ,4 β ,5 β)]-3-(Acetylamino)-3,4-dihydro-4-hydroxy-5-(hydroxymethyl)furan-2(5*H*)-one monohydrate
W. Clegg, S. L. Heath, R. F. W. Jackson and N. J. Palmer. *Acta Cryst.* 2003, **E59**, o1060–o1062.
829. (1'*S*,2*R*,3*R*)-3-(1'-*tert*-Butyldimethylsilyloxy-1'-phenylmethyl)-2-(4''-methylphenylthio)-2-nitrooxirane
W. Clegg and M. R. J. Elsegood. *Acta Cryst.* 2003, **E59**, o1070–o1072.
830. Synthesis and crystal structures of 2-substituted-2-phenylsulfonyloxiranes: evidence for a generalised anomeric effect in 2-phenylsulfonyloxiranes
R. F. W. Jackson, S. F. C. Dunn, A. McCamley and W. Clegg. *Org. Biomol. Chem.* 2003, **1**, 2527–2530.
831. Alkyl complexes of strontium and barium: synthesis and structural characterization of {(Me₃Si)₂(MeOMe₂Si)C}₂Sr(THF) and {(Me₃Si)₂(MeOMe₂Si)C}₂Ba(MeOCH₂CH₂OMe)
K. Izod, S. T. Liddle and W. Clegg. *J. Am. Chem. Soc.* 2003, **125**, 7534–7535.
832. Alkali metal-mediated Schlenk dimerization of a phosphorus-substituted alkene. Synthesis and crystal structures of Li, Na and K derivatives of a phosphorus-stabilized butane-1,4-diide ligand
K. Izod, W. McFarlane, B. V. Tyson, W. Clegg, R. W. Harrington and S. T. Liddle. *Organometallics* 2003, **22**, 3684–3690.
833. *trans*-(6-Amino-2-pyridinio)iodobis(triphenylphosphine)palladium(II) iodide ethyl acetate solvate
W. Clegg and L. Horsburgh. *Acta Cryst.* 2003, **E59**, m700–m702.

834. Methyl 2(*S*)-*N*-fluoren-9-ylmethoxycarbonylamino)-3-(2-pyridyl)propionate
W. Clegg and L. Horsburgh.
Acta Cryst. 2003, **E59**, o1257–o1258.
835. Synthesis, characterisation and magnetic properties of cobalt(II) complexes with picolinic acid derivatives: the crystal and molecular structures of $[\text{Co}(\text{MeC}_5\text{H}_3\text{NCOO})_2(\text{H}_2\text{O})_2]$ and $[\text{CoCl}_2(\text{C}_5\text{H}_4\text{NCOOPr}^i)_2]$
R. March, W. Clegg, R. A. Coxall, L. Cucurull-Sanchez, L. Lezama, T. Rojo and P. González-Duarte.
Inorg. Chim. Acta 2003, **353**, 120–138.
836. Organomagnesium phosphanide “Grignard” analogues – synthesis, structural characterisation and solution behaviour of $[\text{BuMg}\{\text{P}(\text{CH}[\text{SiMe}_3]_2)(\text{C}_6\text{H}_3-2\text{-OMe-3R})\}_2]$ [R = H, Me]
S. Blair, K. Izod, W. Clegg and R. W. Harrington.
Eur. J. Inorg. Chem. 2003, 3319–3324.
837. The evolution of $[\{\text{Ph}_2\text{P}(\text{CH}_2)_n\text{PPh}_2\}\text{Pt}(\mu\text{-S})_2\text{P}\{\text{Ph}_2\text{P}(\text{CH}_2)_n\text{PPh}_2\}]$ ($n = 2, 3$) metalloligands in protic acids: a cascade of sequential reactions
R. Mas-Ballesté, G. Aullón, P. A. Champkin, W. Clegg, C. Mégret, P. González-Duarte and A. Lledós.
Chem. Eur. J. 2003, **9**, 5023–5035.
838. Polymeric (18-crown-6)bis(2-amidopyridinecaesium) toluene solvate
S. T. Liddle and W. Clegg.
Acta Cryst. 2003, **E59**, m1062–m1064.
839. A homologous series of crown-ether-complexed alkali metal amides as discrete ion-pair species: synthesis and structures of $[\text{M}(12\text{-crown-4})_2][\text{PyNPh}\cdot\text{PyN}(\text{H})\text{Ph}]$ (M = Li, Na and K)
S. T. Liddle and W. Clegg.
Polyhedron 2003, **22**, 3507–3513.
840. *tert*-Butyl (2*R*)-2-(9*H*-fluoren-9-ylmethoxycarbonylamino)-3-iodopropionate
W. Clegg and L. Horsburgh.
Acta Cryst. 2003, **E59**, o1925–o1926.
841. Reactivity of 2-pyridinecarboxylic esters with cadmium(II) halides: study of ^{113}Cd NMR solid state spectra and crystal structures of hexacoordinated complexes $[\text{CdI}_2(\text{C}_5\text{H}_4\text{NCOOMe})_2]$ and $[\text{CdI}_2(\text{C}_5\text{H}_4\text{NCOOPr}^n)_2]$
R. March, J. Pons, J. Ros, W. Clegg, A. Álvarez-Larena, J. F. Piniella and J. Sanz.
Inorg. Chem. 2003, **42**, 7403–7409.
842. C_2 -Symmetric ytterbium(II) complexes with a novel, chiral *P,N*-donor ligand
S. Blair, K. Izod and W. Clegg.
J. Organomet. Chem. 2003, **688**, 92–99.
843. Bis(tetraethylammonium) μ -tetrathiomolybdate(VI)-bis[chlorocopper(I)]
M. H. Sadr, H. Razmi, N. R. Brooks and W. Clegg.
Acta Cryst. 2003, **E59**, m1134–m1136.
844. *tert*-Butyl (2*S*)-2-(9*H*-fluoren-9-ylmethoxycarbonylamino)-3-(3',4'-dimethoxyphenyl)propionate chloroform sesquisolvate
W. Clegg and M. R. J. Elsegood.
Acta Cryst. 2003, **E59**, o1946–o1948.
845. 1-*tert*-Butyl 2-methyl 4-(*R*)-hydroxypyrrolidine-1,2-(2*S*)-dicarboxylate
W. Clegg, H. J. C. Deboves and M. R. J. Elsegood.
Acta Cryst. 2003, **E59**, o1987–o1989.

846. (18-Crown-6)-bis(tetrahydrofuran)potassium iodide
S. T. Liddle and W. Clegg.
Acta Cryst. 2003, **E59**, m1184–m1186.
847. X-ray diffraction
W. Clegg.
Comprehensive Coordination Chemistry, Volume 1, edited by A. B. P. Lever; Elsevier, 2003, 57–64.
848. Crystal growth methods
W. Clegg.
Comprehensive Coordination Chemistry, Volume 1, edited by A. B. P. Lever; Elsevier, 2003, 579–583.
849. Stereocontrolled synthesis of (2*R*,3*S*)-2-methylisocitrate, a central intermediate in the methylcitrate cycle
D. J. Darley, T. Selmer, W. Clegg, R. W. Harrington, W. Buckel and B. T. Golding.
Helv. Chim. Acta 2003, **86**, 3991–3999.
-
850. Synthesis and X-ray crystal structures of hydridotris(3,5-dimethylpyrazolyl)borate (Tp') molybdenum(VI) bis(imido) complexes
V. C. Gibson, C. Redshaw, W. Clegg, M. R. J. Elsegood, U. Siemeling and T. Türk.
Polyhedron 2004, **23**, 189–194.
851. New 1- and 2-dimensional polymeric structures of cyanopyridine complexes of Ag^I and Cu^I
P. Lin, R. A. Henderson, R. W. Harrington, W. Clegg, C.-D. Wu and X.-T. Wu.
Inorg. Chem. 2004, **43**, 181–188.
852. A convenient route to lanthanide triiodide THF solvates. Crystal structures of LnI₃(THF)₄ [Ln = Pr] and LnI₃(THF)_{3.5} [Ln = Nd, Gd, Y]
K. Izod, S. T. Liddle and W. Clegg.
Inorg. Chem. 2004, **43**, 214–218.
853. Structure Reports Online: a continuing growth and success story
D. G. Watson and W. Clegg.
Acta Cryst. 2004, **E60**, e1.
854. Synthesis, characterization and reactivity of the molybdenum(VI) complex [MoCl(NAr)₂(CH₂CMe₂Ph)] (Ar = 2,6-Prⁱ₂C₆H₃)
V. C. Gibson, C. Redshaw, G. P. L. Walker, W. Clegg and M. R. J. Elsegood.
J. Organomet. Chem. 2004, **689**, 332–344.
855. A second tetragonal polymorph of bis(tetra-*n*-butylammonium) tetrakis[chloro(μ₃-sulfido)copper(I)]molybdate(VI)
W. Clegg, N. R. Brooks, M. H. Sadr, M. Esm-Hosseini and R. Yavari.
Acta Cryst. 2004, **E60**, m204–m206.
856. Crystal structures of dicarboxy-2,2'-bipyridyl complexes: the role of hydrogen bonding and stacking interactions
C. J. Matthews, M. R. J. Elsegood, G. Bernardinelli, W. Clegg and A. F. Williams.
Dalton Trans. 2004, 492–497.
857. Tris(tetraethylammonium) tris(μ₃-sulfido)bis[bromocopper(I)][dibromocopper(I)]oxomolybdate(VI) acetone solvate
A. Beheshti, N. R. Brooks, W. Clegg and R. Khorramdin.
Acta Cryst. 2004, **E60**, m231–m233.

858. 1-{2-[4-(2,4-Dinitrophenyl)piperazin-1-yl]ethyl}-4-aza-1-azoniabicyclo[2.2.2]octane chloride
W. Clegg, B. T. Golding, R. Scott and R. W. Harrington.
Acta Cryst. 2004, **E60**, o291–o293.
859. Arene-perfluoroarene interactions in crystal engineering: structural preferences in polyfluorinated tolans
C. E. Smith, P. S. Smith, R. L. Thomas, E. G. Robins, J. C. Collings, C. Dai, A. J. Scott, S. Borwick,
A. S. Batsanov, S. W. Watt, S. J. Clark, C. Viney, J. A. K. Howard, W. Clegg and T. B. Marder.
J. Mater. Chem. 2004, **14**, 413–420.
860. Synthesis and characterization of two pentanuclear complexes (NEt₄)₂[MS₄(CuBp)₄] (M = Mo, W; Bp =
H₂B(pyrazolyl)₂) and crystal structure determination of (NEt₄)₂[WS₄(CuBp)₄]
M. H. Sadr, W. Clegg and H. R. Bijhanzade.
Polyhedron 2004, **23**, 637–641.
861. Synthesis and structural characterisation of a novel phosphine-borane-stabilised dicarbanion and an
unusual bis(phosphine-borane)
K. Izod, W. McFarlane, B. V. Tyson, W. Clegg and R. W. Harrington.
Chem. Commun. 2004, 570–571.
862. Self-assembly of a spin-coupled octanuclear copper(II) circular array from a single-stranded ligand
S. T. Onions, S. L. Heath, D. J. Price, R. W. Harrington, W. Clegg and C. J. Matthews.
Angew. Chem. Int. Ed. 2004, **43**, 1814–1817.
863. 2,6-Diarylamino-tetrahydropyrans from reactions of glutaraldehyde with anilines: models for biomolecule
cross-linking
A. P. Henderson, C. Bleasdale, W. Clegg and B. T. Golding.
Chem. Res. Toxicol. 2004, **17**, 378–382.
864. Complexes of heterocyclic thiones and group 12 metals: Part VI. Preparation and characterisation of
complexes of cadmium(II) halides with 1-methylimidazoline-2(3H)-thione, 1,3-thiazolidine-2-
thione and 1,3-benzothiazoline-2-thione. Crystal structures of polymeric (1,3-thiazolidine-2-
thione)cadmium(II) chloride, bis(1,3-thiazolidine-2-thione)cadmium(II) iodide and monomeric
bis(1-methylimidazoline-2(3H)-thione)cadmium(II) bromide
N. A. Bell, W. Clegg, S. J. Coles, C. P. Constable, R. W. Harrington, M. B. Hursthouse, M. E. Light,
E. S. Raper, C. Sammon and M. R. Walker.
Inorg. Chim. Acta 2004, **357**, 2091–2099.
865. Dimeric aluminum chloride complexes of *N*-alkoxyalkyl-β-ketoimines: activation with propylene oxide
to form highly active lactide polymerization catalysts
S. Doherty, R. J. Errington, N. Housley and W. Clegg.
Organometallics 2004, **23**, 2382–2388.
866. Proton transfer to nickel-thiolate complexes. 1. Protonation of [Ni(SC₆H₄R-4)₂(Ph₂PCH₂CH₂PPh₂)]
(R = Me, MeO, H, Cl, or NO₂)
V. Autissier, W. Clegg, R. W. Harrington and R. A. Henderson.
Inorg. Chem. 2004, **43**, 3098–3105.
867. Proton transfer to nickel-thiolate complexes. 2. Rate-limiting intramolecular proton transfer in the
reactions of [Ni(SC₆H₄R-4)(PhP{CH₂CH₂PPh₂})₂]⁺ (R = NO₂, Cl, H, Me, or MeO)
V. Autissier, P. M. Zarza, A. Petrou, R. A. Henderson, R. W. Harrington and W. Clegg.
Inorg. Chem. 2004, **43**, 3106–3115.
868. Unusual C–H allylic activation in the {Pt^{II}(cod)} fragment bonded to a {Pt₂(μ-S)₂} core
R. Mas-Ballesté, P. A. Champkin, W. Clegg, P. González-Duarte, A. Lledós and G. Ujaque.
Organometallics 2004, **23**, 2522–2532.

869. Synthesis and reactions of sterically encumbered, heteroleptic lanthanum phosphides. Structural characterization of $[\{(Me_3Si)_2CH\}(C_6H_4-2-CH_2NMe_2)P]_2La(OR)$ and $[\{(Me_3Si)_2CH\}(C_6H_4-2-CH_2NMe_2)P]La(THF)[P(C_6H_4-2-CH_2NMe_2)\{CH(SiMe_3)(SiMe_2CH_2)\}]$ [R = *i*-Pr, *t*-Bu]
K. Izod, S. T. Liddle, W. McFarlane and W. Clegg.
Organometallics 2004, **23**, 2734–2743.
870. An Excel spreadsheet for a one-dimensional Fourier map in X-ray crystallography
W. Clegg.
J. Chem. Ed. 2004, **81**, 908–911.
871. (*E*)-2-[2-(4-Methylphenyl)ethenyl]-1,3,2-benzodioxaborole
W. Clegg, A. J. Scott, C. Wiesauer, W. Weissensteiner and T. B. Marder.
Acta Cryst. 2004, **E60**, o1172–o1174.
872. (*E*)-2-[2-(4-Trifluoromethylphenyl)ethenyl]-1,3,2-benzodioxaborole
W. Clegg, A. J. Scott, C. Wiesauer, W. Weissensteiner and T. B. Marder.
Acta Cryst. 2004, **E60**, o1175–o1177.
873. Bis[bis(dicyclohexylphosphino)ethane- κ_2P,P']gold(I) chloride chloroform tetrasolvate
W. Clegg, A. J. Scott, C. Wiesauer, W. Weissensteiner and T. B. Marder.
Acta Cryst. 2004, **E60**, m968–m970.
874. Structure and phase behavior of a 2:1 complex between arene- and fluoroarene-based conjugated rigid rods
S. W. Watt, C. Dai, A. J. Scott, J. M. Burke, R. L. Thomas, J. C. Collings, C. Viney, W. Clegg and T. B. Marder.
Angew. Chem. Int. Ed. 2004, **43**, 3061–3063.
875. Synthesis, optical properties, crystal structures and liquid crystal phase behaviour of selectively fluorinated 1,4-bis(4'-pyridylethynyl)benzenes, 4-(phenylethynyl)pyridines and 9,10-bis(4'-pyridylethynyl)anthracene, and a $Zn(NO_3)_2$ coordination polymer
T. M. Fasina, J. C. Collings, D. P. Lydon, D. Albesa-Jove, A. S. Batsanov, J. A. K. Howard, P. Nguyen, M. Bruce, A. J. Scott, W. Clegg, S. W. Watt, C. Viney and T. B. Marder.
J. Mater. Chem. 2004, **14**, 2395–2404.
876. 6-Methyl-2-pyridone pentahydrate
W. Clegg and G. S. Nichol.
Acta Cryst. 2004, **E60**, o1433–o1436.
877. A novel route to multinuclear d^8 metal-chalcogen compounds with nuclearity control
R. Mas-Ballesté, W. Clegg, A. Lledós and P. González-Duarte.
Eur. J. Inorg. Chem. 2004, 3223–3227.
878. Protonation of a lanthanum phosphide-alkyl occurs at the P–La not the C–La bond: isolation of a cationic lanthanum alkyl complex
K. Izod, S. T. Liddle and W. Clegg.
Chem. Commun. 2004, 1748–1749.
879. Heavier alkali metal complexes of 2-phenylamidopyridine: an X-ray crystallographic and theoretical study of a structurally diverse series of crown ether adducts
S. T. Liddle, W. Clegg and C. A. Morrison.
Dalton Trans. 2004, 2514–2525.

880. Exo- π -bonding to an *ortho*-carborane hypercarbon atom: systematic icosahedral cage distortions reflected in the structures of the fluoro-, hydroxy- and amino-carboranes, 1-X-2-Ph-1,2-C₂B₁₀H₁₀ (X = F, OH or NH₂) and related anions
L. A. Boyd, W. Clegg, R. C. B. Copley, M. G. Davidson, M. A. Fox, T. G. Hibbert, J. A. K. Howard, A. Mackinnon, R. J. Peace and K. Wade.
Dalton Trans. 2004, 2786–2799.
881. A homologous series of regioselectively tetradeprotonated group 8 metallocenes: new inverse crown ring compounds synthesized via a mixed sodium-magnesium tris(diisopropylamide) synergic base
P. C. Andrikopoulos, D. R. Armstrong, W. Clegg, C. J. Gilfillan, E. Hevia, A. R. Kennedy, R. E. Mulvey, C. T. O'Hara, J. A. Parkinson and D. M. Tooke.
J. Am. Chem. Soc. 2004, **126**, 11612–11620.
882. (Dibenzo-18-crown-6)(2-phenylamidopyridine)rubidium(I)
S. T. Liddle and W. Clegg.
Acta Cryst. 2004, **E60**, m1492–m1494.
883. (Dibenzo-18-crown-6)(2-phenylamidopyridine)potassium(I)
S. T. Liddle and W. Clegg.
Acta Cryst. 2004, **E60**, m1495–m1497.
884. Diffraction theory
W. Clegg.
Synchrotron Radiation Summer School, Daresbury and Chester, 2004, unnumbered pages.
885. Small-molecule single-crystal diffraction
W. Clegg.
Synchrotron Radiation Summer School, Daresbury and Chester, 2004, unnumbered pages.
886. Bis[μ -2-(phenylamido)pyridine]bis{[2-(phenylamino)pyridine]lithium(I)}
W. Clegg and S. T. Liddle.
Acta Cryst. 2004, **E60**, m1587–m1589.
887. Monocarborane anion chemistry. {COOH}, {CH₂OH} and {CHO} units as functional groups on ten-vertex monocarborane anionic compounds
A. Franken, M. J. Carr, W. Clegg, C. A. Kilner and J. D. Kennedy.
Dalton Trans. 2004, 3552–3561.
888. Synthesis, crystal structures and spectroscopic characterization of two neutral heterobimetallic clusters MS₄Cu₄(pz^{Me2})₆Cl₂ (where M = Mo (1) or W (2), X = Cl (1) or disordered Cl/Br (2), and pz^{Me2} = 3,5-dimethylpyrazole)
A. Beheshti, N. R. Brooks, W. Clegg and S. E. Sichani.
Polyhedron 2004, **23**, 3143–3146.
889. Hydrogen-bonded network and layered supramolecular structures assembled from ClO₄[−] counterions with unprecedented monomeric [AgL₂]⁺ and chain polymeric [AgL₂]_nⁿ⁺ complex cations (L = thioamide or thiourea-like ligands)
J. Sola, A. López, R. A. Coxall and W. Clegg.
Eur. J. Inorg. Chem. 2004, 4871–4881.
890. Tetraethylammonium [1-methylimidazoline-2(3*H*)thione]copper(I)-di- μ -sulfido-dioxotungstate(VI)
A. Beheshti, N. R. Brooks, W. Clegg and R. Khorramdin.
Acta Cryst. 2004, **E60**, m1923–m1926.

891. Bis(tetra-*n*-butylammonium) tetrakis[chloro(μ_3 -sulfido)copper(I)]tungstate(VI): a second polymorph
N. R. Brooks, W. Clegg, M. Esm-Hosseini, M. Hossaini Sadr and R. Yavari.
Acta Cryst. 2004, **E60**, m1952–m1954.
892. A sterically constrained bis(2,2':6',2''-terpyridine) ligand
A. C. Benniston, W. Clegg, R. W. Harrington and P. Li.
Acta Cryst. 2004, **E60**, o2452–o2454.
893. Complexes of a dianionic bis(diphosphinomethanide) with lithium, sodium, potassium and zirconium.
Effect of substitution on the Schlenk dimerization of vinylidene phosphines
K. Izod, W. McFarlane, B. V. Tyson, W. Clegg and R. W. Harrington.
Dalton Trans. 2004, 4074–4078.
894. Complexes of the heavier alkaline earth metals Ca, Sr, and Ba with O-functionalized phosphanide ligands
S. Blair, K. Izod, W. Clegg and R. W. Harrington.
Inorg. Chem. 2004, **43**, 8526–8531.
895. Structural chemistry of halogenated monocarbaboranes: the extended structures of Cs[1-HCB₉H₄Br₅],
Cs[1-HCB₁₁H₅Cl₆] and Cs[1-HCB₁₁H₅Br₆]
A. Franken, N. J. Bullen, T. Jelínek, M. Thornton-Pett, S. J. Teat, W. Clegg, J. D. Kennedy
and M. J. Hardie.
New. J. Chem. 2004, **28**, 1499–1505.
-
896. Structure Reports Online: more than 100% growth from 2001
W. Clegg and D. G. Watson.
Acta Cryst. 2005, **E61**, e1–e2.
897. Ferrocenyl-modified DNA: synthesis, characterization and integration with semiconductor electrodes
A. R. Pike, L. C. Ryder, B. R. Horrocks, W. Clegg, B. A. Connolly and A. Houlton.
Chem. Eur. J. 2005, **11**, 344–353.
898. Crystallographic characterisation of binary alkali metal alkoxide-magnesium bis(alkyl) mixtures:
differential bonding of Na⁺ and K⁺ to a common dinuclear diorganomagnesiate
N. D. R. Barnett, W. Clegg, A. R. Kennedy, R. E. Mulvey and S. Weatherstone.
Chem. Commun. 2005, 375–377.
899. The synthesis, structure and ethene polymerisation catalysis of mono(salicylaldiminato) titanium and
zirconium complexes
D. A. Pennington, W. Clegg, S. J. Coles, R. W. Harrington, M. B. Hursthouse, D. L. Hughes, M. E. Light,
M. Schormann, M. Bochmann and S. J. Lancaster.
Dalton Trans. 2005, 561–571.
900. Synthesis and characterization of the bimetallic polymers [MS₄Ag₂(Hmimt)₂]_n (where M = Mo or W,
Hmimt = 1-methylimidazoline-2(3H)-thione): crystal structures of [WS₄Ag₂(Hmimt)₂]_n and
[Ag₂I₂(Hmimt)]_n
A. Beheshti, W. Clegg, N. R. Brooks and F. Sharafi.
Polyhedron 2005, **24**, 435–441.
901. Synthesis, optical properties, crystal structures and phase behaviour of symmetric, conjugated
ethynylarene-based rigid rods with terminal carboxylate groups
T. M. Fasina, J. C. Collings, J. M. Burke, A. S. Batsanov, R. M. Ward, D. Albesa-Jové, L. Porrès,
A. Beeby, J. A. K. Howard, A. J. Scott, W. Clegg, S. W. Watt, C. Viney and T. B. Marder.
J. Mater. Chem. 2005, **15**, 690–697.

902. Synthesis of rhodium and iridium boryl complexes via oxidative addition of haloboranes
F. E. S. Souza, P. Nguyen, T. B. Marder, A. J. Scott and W. Clegg.
Inorg. Chim. Acta 2005, **358**, 1501–1509.
903. Reactions of benzene oxide with thiols including glutathione
A. P. Henderson, M. L. Barnes, C. Bleasdale, R. Cameron, W. Clegg, S. L. Heath, A. B. Lindstrom,
S. M. Rappaport, S. Waidyanatha, W. P. Watson and B. T. Golding.
Chem. Res. Toxicol. 2005, **18**, 265–270.
904. 5-(1-Cyclohexen-1-yl)-1,5-dimethylbarbituric acid (hexobarbitone): a low-temperature redetermination
G. S. Nichol and W. Clegg.
Acta Cryst. 2005, **E61**, o1004–o1006.
905. An intramolecularly base-stabilized diphosphagermylene and two unusual germanium(II) ate complexes:
a structural, NMR, and DFT study
K. Izod, W. McFarlane, B. Allen, W. Clegg and R. W. Harrington.
Organometallics 2005, **24**, 2157–2167.
906. New titanium and zirconium complexes with M–NH₂ bonds formed by facile deprotonation of
H₃N·B(C₆F₅)₃
A. J. Mountford, W. Clegg, R. W. Harrington, S. M. Humphrey and S. J. Lancaster.
Chem. Commun. 2005, 2044–2046.
907. Synthesis of [Ni(η²-CH₂C₆H₄R-4){PPh(CH₂CH₂PPh₂)₂}]⁺ (R = H, Me or MeO) and protonation reactions
with HCl
V. Autissier, E. Brockman, W. Clegg, R. W. Harrington and R. A. Henderson.
J. Organomet. Chem. 2005, **690**, 1763–1771.
908. 5-Butyl-5-ethylbarbituric acid: a phase transition at low temperature
G. S. Nichol and W. Clegg.
Acta Cryst. 2005, **C61**, o297–o299.
909. Sodium dialkyl-amidozincates, alkyl or amido bases? An experimental and theoretical case study
P. C. Andrikopoulos, D. R. Armstrong, H. R. L. Barley, W. Clegg, S. H. Dale, G. W. Honeyman,
E. Hevia, A. R. Kennedy and R. E. Mulvey.
J. Am. Chem. Soc. 2005, **127**, 6184–6185.
910. Pifithrin-β
W. Clegg and C. Jamieson.
Acta Cryst. 2005, **E61**, o1486–o1488.
911. Synthesis and crystal structure of a push-pull quinoidal porphyrin: a nanoporous framework assembled
from cyclic trimer aggregates
M. J. Smith, W. Clegg, K. A. Nguyen, J. E. Rogers, R. Pachter, P. A. Fleitz and H. L. Anderson.
Chem. Commun. 2005, 2433–2435.
912. Ruthenium complexes of six-electron-donor NUPHOS-type diphosphines: highly selective catalysts for
the hydrocarboxylation of terminal alkynes
S. Doherty, J. G. Knight, R. K. Rath, W. Clegg, R. W. Harrington, C. R. Newman, R. Campbell
and H. Amin.
Organometallics 2005, **24**, 2633–2644.
913. 6-Methyl-2-pyridone: an elusive structure finally solved
G. S. Nichol and W. Clegg.
Acta Cryst. 2005, **C61**, o383–o385.

914. Effect of peripheral donor substituents on the binding modes of phosphinomethanide ligands. Synthesis and crystal structures of alkali metal derivatives of an O-functionalised phosphinomethanide ligand
K. Izod, J. Young, W. Clegg and R. W. Harrington.
Dalton Trans. 2005, 1658–1663.
915. Dichlorobis[1-methylimidazoline-2(3*H*)-thione]cadmium(II)
A. Beheshti, W. Clegg, N. R. Brooks and R. Hyvadi.
Acta Cryst. 2005, **E61**, m1383–m1385.
916. Polyhedral monocarbaborane chemistry. Reactions of the [6-Ph-*nido*-6-CB₉H₁₁][–] anion with two-electron donors to yield a series of neutral *arachno* and *closo* ten-vertex monocarbaborane derivatives
N. J. Bullen, A. Franken, C. A. Kilner, S. J. Teat, W. Clegg and J. D. Kennedy.
J. Organomet. Chem. 2005, **690**, 2815–2828.
917. Synthesis and characterization of a Mo/Ag/Rb heterotrimetallic cluster with double-cage architecture
P. Lin, W. Clegg, R. W. Harrington and R. A. Henderson.
Dalton Trans. 2005, 2349–2351.
918. Synthesis and structures of 5-(pyridyl)tetrazole complexes of Mn(II)
P. Lin, W. Clegg, R. W. Harrington and R. A. Henderson.
Dalton Trans. 2005, 2388–2394.
919. N–H...S and N–H...O hydrogen bonding in tetra-*n*-butylammonium (imidazolidine-2-thione-2κ*S*)dioxo-1κ²O-di-μ-sulfido-1:2κ⁴S:S-copper(I)tungstate(VI)
A. Beheshti, W. Clegg, S. H. Dale and A. Solimankhani.
Acta Cryst. 2005, **E61**, m1509–m1511.
920. A variable-temperature study of a phase transition in barbituric acid dihydrate
G. S. Nichol and W. Clegg.
Acta Cryst. 2005, **B61**, 464–472.
921. *N,N'*-Dimethylpiperazinium(2+) bis[methylenehydrogendiphosphonate(1–)]
Z. Yuan and W. Clegg.
Acta Cryst. 2005, **E61**, o2635–o2637.
922. A previously unrecognised hydronium di-cation in the crystal structure of a cucurbituryl derivative
I. Bernal, U. Mukhopadhyay, A. V. Virovets, V. P. Fedin and W. Clegg.
Chem. Commun. 2005, 3791–3792.
923. Current developments in small-molecule X-ray crystallography
W. Clegg.
Comments Inorg. Chem. 2005, **26**, 165–182.
924. The use of the bromosulfimide Ph₂S=NBr as nitrogen source in reactions with selenium-based systems
W. Clegg, S. H. Dale, D. Drennan and P. F. Kelly.
Dalton Trans. 2005, 3140–3142.
925. Malonamide: a tetragonal polymorph
G. S. Nichol and W. Clegg.
Acta Cryst. 2005, **E61**, o3424–o3426.
926. Malonamide: an orthorhombic polymorph
G. S. Nichol and W. Clegg.
Acta Cryst. 2005, **E61**, o3427–o3429.

927. Alkali-metal-mediated zincation of ferrocene: synthesis, structure, and reactivity of a lithium tmp/zincate reagent
H. R. L. Barley, W. Clegg, S. H. Dale, E. Hevia, G. W. Honeyman, A. R. Kennedy and R. E. Mulvey.
Angew. Chem. Int. Ed. 2005, **44**, 6018–6021.
928. Polymorphism in an unexpected caesium complex of 5-hydroxyhydric acid
G. S. Nichol and W. Clegg.
Acta Cryst. 2005, **C61**, m459–m462.
929. A second monoclinic polymorph of 2,9-dimethyl-1,10-phenanthroline dihydrate
A. Köroglu, A. Bulut, I. Uçar, G. S. Nichol, R. W. Harrington and W. Clegg.
Acta Cryst. 2005, **E61**, o3723–o3725.
930. Violuric acid monohydrate: a definitive redetermination at 150 K
G. S. Nichol and W. Clegg.
Acta Cryst. 2005, **E61**, o3788–3790.
931. Proton sharing in bis(4-carbamoylpyridinium) squarate
A. Köroglu, A. Bulut, I. Uçar, G. S. Nichol, R. W. Harrington and W. Clegg.
Acta Cryst. 2005, **C61**, o678–o680.
932. Hydrogen-bonding and carbonyl–carbonyl interactions in violuric acid methanol solvate
G. S. Nichol and W. Clegg.
Acta Cryst. 2005, **C61**, o721–o724.
933. Sandwiches and cavities: the supramolecular chemistry of hemimellitic acid
S. H. Dale, A. E. L. Coombs, W. Clegg, M. R. J. Elsegood and S. Kainth.
Acta Cryst. 2005, **A61**, C44.
934. *Acta Crystallographic Section E: Structure Reports Online*: rapid growth 2001–2004
W. Clegg and D. G. Watson.
Acta Cryst. 2005, **A61**, C126.
935. Still bad crystals, but good data and results from synchrotron facilities
W. Clegg and R. W. Harrington.
Acta Cryst. 2005, **A61**, C140.
936. Studies in the structural chemistry of complexes between nucleobases and s-block metals
K. Guille and W. Clegg.
Acta Cryst. 2005, **A61**, C297.
937. Connectivity variation in coordination compounds of isophthalate and transition metals
L. Russo and W. Clegg.
Acta Cryst. 2005, **A61**, C306.
938. A temperature-induced phase transition in barbituric acid dihydrate
G. S. Nichol and W. Clegg.
Acta Cryst. 2005, **A61**, C321.
939. Two new inorganic-organic hybrids with framework gallium 1,2-ethylenediphosphonates containing pyridine
Z. Yuan, W. Clegg and M. Attfield.
Acta Cryst. 2005, **A61**, C402.
940. Four years of the EPSRC SRS service
R. W. Harrington and W. Clegg.
Acta Cryst. 2005, **A61**, C481.

941. Synthesis, crystal structure, and solution behavior of a sterically hindered α -metalated phosphine-borane
K. Izod, C. Wills, W. Clegg and R. W. Harrington.
Organometallics 2006, **25**, 38–40.
942. Alkali metal complexes of sterically hindered mono- and di-carbanions containing Si–O bonds
L. J. Bowman, K. Izod, W. Clegg, R. W. Harrington, J. D. Smith and C. Eaborn.
Dalton Trans. 2006, 502–508.
943. Bifunctional perfluoroaryl boranes: synthesis and coordination chemistry with neutral Lewis base donors
P. A. Chase, L. D. Henderson, W. E. Piers, M. Parvez, W. Clegg and M. R. J. Elsegood.
Organometallics 2006, **25**, 349–357.
944. Preparative and structural studies on sulfur-linked carborane icosahedra: 2-phenyl-*ortho*-carboranyl-sulfur systems (2-Ph-1,2-C₂B₁₀H₁₀)₂X (X = S, S₂ or SO), and *ortho*-carboran-di-yl systems (1,2-C₂H₁₀H₁₀Y)₂ (Y = S or SO)
A. S. Batsanov, W. Clegg, R. C. B. Copley, M. A. Fox, W. R. Gill, R. S. Grimditch, T. G. Hibbert, J. A. K. Howard, J. A. H. MacBride and K. Wade.
Polyhedron 2006, **25**, 300–306.
945. A tetraazamacrocyclic with benzyl substituents
J.-H. Choi, W. Clegg, R. W. Harrington, H.-M. Yoon and Y. P. Hong.
Acta Cryst. 2006, **E62**, o644–o646.
946. Two complexes of copper(II) salts with 5-amino-3-(pyrid-2-yl)-1*H*-pyrazole, the prototype for a new class of ditopic ligand
C. M. Pask, K. D. Camm, N. J. Bullen, M. J. Carr, W. Clegg, C. A. Kilner and M. A. Halcrow.
Dalton Trans. 2006, 662–664.
947. The importance of weak C–H $\cdots$ O bonds and $\pi\cdots\pi$ stacking interactions in the formation of organic 1,8-bis(dimethylamino)naphthalene complexes with $Z' > 1$
G. S. Nichol and W. Clegg.
Cryst. Growth Des. 2006, **6**, 451–460.
948. Incorporation of fused tetrathiafulvalenes (TTFs) into polythiophene architectures: varying the electroactive dominance of the TTF species in hybrid systems
R. Berridge, P. J. Skabara, C. Pozo-Gonzalo, A. Kanibolotsky, J. Lohr, J. J. W. McDouall, E. J. L. McInnes, J. Wolowska, C. Winder, S. N. Sariciftci, R. W. Harrington and W. Clegg.
J. Phys. Chem. B 2006, **110**, 3140–3152.
949. Classical hydrogen bonding and weaker C–H $\cdots$ O interactions in complexes of uracil-5-carboxylic acid with the alkali metals Na–Cs
G. S. Nichol and W. Clegg.
Polyhedron 2006, **25**, 1043–1056.
950. Stabilization of a dialkylstannylene by unusual B–H $\cdots$ Sn γ -agostic-type interactions. A structural, spectroscopic, and DFT study
K. Izod, W. McFarlane, B. V. Tyson, I. Carr, W. Clegg and R. W. Harrington.
Organometallics 2006, **25**, 1135–1143.
951. Structure Reports Online: further growth leads to major changes
W. Clegg and D. G. Watson.
Acta Cryst. 2006, **E62**, e8–e9.

952. Pre-metalation structural insights into the use of alkali-metal-mediated zincation for directed *ortho*-metalation of a tertiary aromatic amide
W. Clegg, S. H. Dale, E. Hevia, G. W. Honeyman and R. E. Mulvey.
Angew. Chem. Int. Ed. 2006, **45**, 2370–2374.
953. Post-metalation structural insights into the use of alkali-metal-mediated zincation for directed *ortho*-metalation of a tertiary aromatic amide
W. Clegg, S. H. Dale, R. W. Harrington, E. Hevia, G. W. Honeyman and R. E. Mulvey.
Angew. Chem. Int. Ed. 2006, **45**, 2374–2377.
954. Assembly of heterometallic clusters and coordination polymers by combining Mo–S-based clusters with Mn^{2+}
P. Lin, W. Clegg, R. W. Harrington, R. A. Henderson, A. J. Fletcher, J. Bell and K. M. Thomas.
Inorg. Chem. 2006, **45**, 4284–4302.
955. The synthesis of one enantiomer of the α -methyl-*trans*-cyclopropane unit of mycolic acids
J. R. Al Dulayymi, M. S. Baird, H. Mohammed, E. Roberts and W. Clegg.
Tetrahedron 2006, **62**, 4851–4862.
956. Heteroleptic complexes of lanthanum(III) and neodymium(III) with oxygen- or nitrogen-functionalized tris(triorganosilyl)methyl ligands
L. J. Bowman, K. Izod, W. Clegg and R. W. Harrington.
Organometallics 2006, **25**, 2999–3006.
957. Synthesis and structure of the $n = 4$ member of the framework aluminium alkylendiphosphonate series $\text{Al}_2[\text{O}_3\text{PC}_n\text{H}_{2n}\text{PO}_3](\text{H}_2\text{O})_2\text{F}_2$
Z. Yuan, W. Clegg and M. P. Attfield.
J. Porous Mater. 2006, **13**, 207–212.
958. Synthesis and characterization of two novel pyridine-containing framework gallium ethylenediphosphonates
Z. Yuan, W. Clegg and M. P. Attfield.
J. Solid State Chem. 2006, **179**, 1739–1749.
959. Alkali-metal-mediated zincation of anisole: synthesis and structures of three instructive *ortho*-zincated complexes
W. Clegg, S. H. Dale, A. M. Drummond, E. Hevia, G. W. Honeyman and R. E. Mulvey.
J. Am. Chem. Soc. 2006, **128**, 7434–7435.
960. Preparation, reactivity and tautomeric preferences of novel (1*H*-quinoliny-2-ylidene)propan-2-ones
H. Loghmani-Khouzani, B. Osmialowski, E. Kolehmainen, R. W. Harrington and W. Clegg.
J. Iran. Chem. Soc. 2006, **3**, 173–179.
961. The synthesis, structure and ethene polymerization activity of octahedral heteroligated (salicylaldiminato)(β -enaminoketonato)titanium complexes. The X-ray crystal structure of $\{3\text{-Bu}^t\text{-2-(O)C}_6\text{H}_3\text{CHN(C}_6\text{H}_5)\}\{(\text{C}_6\text{H}_5)\text{NC(CH}_3\text{)C(H)C(CH}_3\text{)O}\}\text{TiCl}_2$
D. A. Pennington, R. W. Harrington, W. Clegg, M. Bochmann and S. J. Lancaster.
J. Organomet. Chem. 2006, **691**, 3183–3188.
962. Cationic terminal borylene complexes: interconversion of amino and alkoxy borylenes by an unprecedented Meerwein-Ponndorf hydride transfer
D. L. Kays, J. K. Day, S. Aldridge, R. W. Harrington and W. Clegg.
Angew. Chem. Int. Ed. 2006, **45**, 3513–3516.

963. Synthesis, structural and spectroscopic properties of a new Schiff base ligand
N,N'-bis(trifluoromethylbenzylidene)ethylenediamine
M. H. Habibi, M. Montazeri, A. Lalegani, R. W. Harrington and W. Clegg.
J. Fluorine Chem. 2006, **127**, 769–773.
964. Migratory insertion of $[B(C_6F_5)_2]^-$ into C–H bonds: CO promoted transfer of the boryl fragment
S. Aldridge, D. L. Kays, A. Al-Fawaz, K. M. Jones, P. N. Horton, M. B. Hursthouse, R. W. Harrington
and W. Clegg.
Chem. Commun. 2006, 2578–2580.
965. Directed *meta*-metalation using alkali-metal-mediated zincation
D. R. Armstrong, W. Clegg, S. H. Dale, E. Hevia, L. M. Hogg, G. W. Honeyman and R. E. Mulvey.
Angew. Chem. Int. Ed. 2006, **45**, 3775–3778.
966. Amino-functionalised diarylphosphide complexes of the alkali metals and lanthanum
K. Izod, S. T. Liddle, W. Clegg and R. W. Harrington.
Dalton Trans. 2006, 3431–3437.
967. Complexes of 6-methyl-2-pyridone with the alkaline earth metals magnesium, strontium and barium:
synthesis and structural characterisation
G. S. Nichol and W. Clegg.
Inorg. Chim. Acta 2006, **359**, 3474–3480.
968. Conserved molecular architecture in polymetallic nucleobase complexes
D. Amantia, M. A. Shipman, C. Price, M. R. J. Elsegood, W. Clegg and A. Houlton.
Inorg. Chim. Acta 2006, **359**, 3515–3520.
969. Polyhedral iridaborane chemistry: elements of the ten-vertex *closo-isonido-isocloso* continuum.
Molecular structures of $[(PPh_3)_2HIrB_9H_9(PPh_3)]$, $[(PPh_3)(Ph_2PC_6H_4)IrB_9H_7(PPh_3)]$,
 $[(PPh_3)(Ph_2PC_6H_4)HrB_9H_7Cl(PPh_3)]$, $[(PPh_3)(Ph_2PC_6H_4)HrB_9H_6(PPh_3)_2]$ and
 $[(PPh_3)(Ph_2PC_6H_4)HrB_9H_{12}]$
J. Bould, W. Clegg and J. D. Kennedy.
Inorg. Chim. Acta 2006, **359**, 3723–3735.
970. Solution, solid phase and computational structures of apicidin and its backbone-reduced analogs
M. Kranz, P. J. Murray, S. Taylor, R. J. Upton, W. Clegg and M. R. J. Elsegood.
J. Peptide Sci. 2006, **12**, 383–388.
971. A stable oxoverdazyl free radical: structural and magnetic characterization
M. J. Plater, S. Kemp, E. Corondao, C. J. Gómez-García, R. W. Harrington and W. Clegg.
Polyhedron 2006, **25**, 2433–2438.
972. Anhydrous guanine: a synchrotron study
K. Guille and W. Clegg.
Acta Cryst. 2006, **C62**, o515–o517.
973. Modular synthesis of a new class of bis(amino-oxazoline) using palladium-catalyzed Buchwald-Hartwig
amination methodology
S. Doherty, J. G. Knight, C. H. Smyth, N. T. Sore, R. K. Rath, W. McFarlane, R. W. Harrington
and W. Clegg.
Organometallics 2006, **25**, 4341–4350.
974. Stoichiometry-dependent structures: an X-ray and neutron single-crystal diffraction study of the effect of
reaction stoichiometry on the crystalline products formed in the potassium–cyanurate system.
G. S. Nichol, W. Clegg, M. J. Gutmann and D. M. Tooke.
Acta Cryst. 2006, **B62**, 798–807.

975. Heavier alkali metal complexes of a silicon- and phosphine-borane-stabilized carbanion
K. Izod, C. Wills, W. Clegg and R. W. Harrington.
Organometallics 2006, **25**, 5326–5332.
976. Complexes of Ag(I), Hg(I) and Hg(II) with multidentate pyrazolyl-pyridine ligands: from mononuclear complexes to coordination polymers *via* helicates, a mesocate, a cage and a catenate
S. P. Argent, H. Adams, T. Riis-Johannessen, J. C. Jeffery, L. P. Harding, W. Clegg, R. W. Harrington and M. D. Ward.
Dalton Trans. 2006, 4996–5013.
977. Macropolyhedral boron-containing cluster chemistry. Cluster opening and B-frame rearrangement in the reaction of B₁₆H₂₀ with [{(IrCl₂(η⁵-C₅Me₅))₂}. Synchrotron X-ray structures of
{[(η⁵-C₅Me₅)₂Ir₂B₁₆H₁₇Cl]} and [(η⁵-C₅Me₅)₂Ir₂B₁₆H₁₅Cl]
M. J. Carr, S. D. Perera, T. Jelínek, C. A. Kilner, W. Clegg, B. Štibír and J. D. Kennedy.
Dalton Trans. 2006, 5221–5224.
978. Alkali-metal-mediated zincation of polycyclic aromatic hydrocarbons: synthesis and structures of mono- and dizincated naphthalenes
W. Clegg, S. H. Dale, E. Hevia, L. M. Hogg, G. W. Honeyman, R. E. Mulvey and C. T. O'Hara.
Angew. Chem. Int. Ed. 2006, **45**, 6548–6550.
979. Nonlinear optical properties and crystal structure determination of a pentanuclear copper cluster
(NEt₄)₂[MoS₄(CuBp)₄] (Bp = H₂B(pyrazolyl)₂)
M. Hosaini Sadr, J. Jahanbin Sardroodi, D. Zare, N. R. Brooks, W. Clegg and Y. Song.
Polyhedron 2006, **25**, 3285–3288.
980. Luminescent Pt^{II}(bipyridyl)(diacetylide) chromophores with pendant binding sites as energy donors for sensitised near-infrared emission from lanthanides: structures and photophysics of Pt^{II}/Ln^{III}) assemblies
T. K. Ronson, T. Lazarides, H. Adams, S. J. A. Pope, D. Sykes, S. Faulkner, S. J. Coles, M. B. Hursthouse, W. Clegg, R. W. Harrington and M. D. Ward.
Chem. Eur. J. 2006, **12**, 9299–9313.
981. Polyhedral monocarbaborane chemistry. Some C-phenylated seven, eight, nine, ten, eleven and twelve-vertex species
A. Franken, T. Jelínek, R. G. Taylor, D. L. Ormsby, C. A. Kilner, W. Clegg and J. D. Kennedy.
Dalton Trans. 2006, 5753–5769.
982. Synthesis and structure of nickel-containing cuboidal clusters derived from [W₃Se₄(H₂O)₉]⁴⁺.
Site-differentiated substitution at the the nickel site in the series [W₃NiQ₄(H₂O)₁₀]⁴⁺ (Q = S, Se)
R. Hernández-Molina, M. N. Sokolov, M. Clausen and W. Clegg.
Inorg. Chem. 2006, **45**, 10567–10575.
983. Synthesis of a redox-active molecular switch based on benzo[1,2]dithiine
I. Llaraena, A. C. Benniston, G. Izzet, D. B. Rewinska, R. W. Harrington and W. Clegg.
Tetrahedron Lett. 2006, **47**, 9135–9138.
984. Asymmetric platinum group metal-catalyzed carbonyl-ene reactions: carbon–carbon bond formation versus isomerization
S. Doherty, J. G. Knight, C. H. Smyth, R. W. Harrington and W. Clegg.
J. Org. Chem. 2006, **71**, 9751–9764.
985. Synthesis and crystal structure of 1,1-dimethoxy-4-phenylamino-4-methylthio-3-buten-2-one
M. H. Habibi, H. Loghmani-Khouzani, M. M. Sadeghi, R. W. Harrington, W. Clegg and M. H. Ghorbani.
Anal. Sci. 2006, **22**, x283–x284.
-

986. Alkali metal complexes of sterically demanding amino-functionalised secondary phosphanide ligands
K. Izod, J. C. Stewart, W. Clegg and R. W. Harrington.
Dalton Trans. 2007, 257–264.
987. Electrochromic properties of a fast switching, dual colour polythiophene bearing non-planar dithiinoquinoxaline units
R. Berridge, S. P. Wright, P. J. Skabara, A. Dyer, T. Steckler, A. A. Argun, J. Reynolds, R. W. Harrington and W. Clegg.
J. Mater. Chem. 2007, **17**, 225–231.
988. σ -Bonded organometallic derivatives of yttrium(III) and thulium(III): an unusual ligand coupling reaction mediated by thulium(III)
L. J. Bowman, K. Izod, W. Clegg and R. W. Harrington.
J. Organomet. Chem. 2007, **692**, 806–812.
989. Dizincation and dimagnesiumation of benzene using alkali-metal-mediated metallation
D. R. Armstrong, W. Clegg, S. H. Dale, D. V. Graham, E. Hevia, L. M. Hogg, G. W. Honeyman, A. R. Kennedy and R. E. Mulvey.
Chem. Commun. 2007, 598–600.
990. Structure Reports Online: sustained growth and new developments for 2007
W. Clegg and D. G. Watson.
Acta Cryst. 2007, **E63**, e11–e12.
991. *trans*-Bis(aniline- κN)dichlorobis(ethanol- κO)cobalt(II)
W. Clegg and N. C. Martin.
Acta Cryst. 2007, **E63**, m856.
992. 5-(1-Methylbutyl)-5-propenylbarbituric acid (quinal barbitone)
G. S. Nichol and W. Clegg.
Acta Cryst. 2007, **E63**, o1632–o1634.
993. A synchrotron study of *catena*-poly[(tri- μ -aqua)triaquabarium(II) bis(6-methylpyridin-2-olate)]
G. S. Nichol and W. Clegg.
Acta Cryst. 2007, **E63**, m1135–m1137.
994. Bis(triethylammonium) tetrachloridomanganate(II)
W. Clegg and N. C. Martin.
Acta Cryst. 2007, **E63**, m1151.
995. Tetrakis(1,10-phenanthroline) hexachloridoeuropate(III) chloride
W. Clegg and R. W. Harrington.
Acta Cryst. 2007, **E63**, m1152.
996. Solid phase and solution phase structural characterization of pyrene-based, T-shaped molecular dyads
D. P. Lydon, P. Li, A. C. Benniston, W. McFarlane, R. W. Harrington and W. Clegg.
Eur. J. Org. Chem. 2007, 1653–1658.
997. Structural variations in bimetallic sodium–magnesium and sodium–zinc ketimides, and a sodium–zinc alkide–alkoxide–amide: connections to ring-stacking, ring-laddering, and inverse crown concepts
W. Clegg, S. H. Dale, D. V. Graham, R. W. Harrington, E. Hevia, L. M. Hogg, A. R. Kennedy and R. E. Mulvey.
Chem. Commun. 2007, 1641–1643.

998. Asymmetric hydrogenation of ketones with ruthenium complexes of *rac*- and enantiopure *S,S*-1,2-bis(diphenylphosphinomethyl)cyclohexane: a comparative study with *rac*- and (*R*)-BINAP
S. Doherty, J. G. Knight, A. L. Bell, R. W. Harrington and W. Clegg.
Organometallics 2007, **26**, 2465–2468.
999. Bis(tetrabutylammonium) μ -oxalato-bis[dibromidodioxidotungstate(VI)]
W. Clegg, M. R. J. Elsegood, R. J. Errington and R. L. Wingad.
Acta Cryst. 2007, **E63**, m1269–m1270.
1000. Synthesis and structures of Ln(II) and Ln(III) dialkyls derived from LnI₂ (Ln = Nd, Tm, Yb)
L. J. Bowman, K. Izod, W. Clegg and R. W. Harrington.
Organometallics 2007, **26**, 2646–2651.
1001. Novel 1:1 cocrystal of benzoic acid and 2-(benzothiazol-2-yl)-1-phenylethenyl benzoate
H. Loghmani-Khouzani, M. M. Sadeghi, M. H. Habibi, R. W. Harrington, W. Clegg and M. H. Ghorbani.
Anal. Sci. 2007, **23**, x41–x42.
1002. Synthesis and crystal structure of chloro{bis[*N,N'*-(2-chlorobenzylidene)]ethylenediamine-(triphenylphosphine)]copper(I)
M. H. Habibi, M. Montazerzohori, K. Barati, R. W. Harrington and W. Clegg.
Anal. Sci. 2007, **23**, x45–x46.
1003. Crystal structure of *N,N'*-bis(4-trifluoromethoxybenzylidene)ethylenediamine
M. H. Habibi, M. Montazerzohori, K. Barati, R. W. Harrington and W. Clegg.
Anal. Sci. 2007, **23**, x47–x48.
1004. Synthesis and crystal structure of [CuL(PPh₃)Cl] L = *N,N'*-bis(4-trifluoromethylbenzylidene)-ethylenediamine
M. H. Habibi, M. Montazerzohori, A. Lalegani, R. W. Harrington and W. Clegg.
Anal. Sci. 2007, **23**, x49–x50.
1005. *N,N'*-Bis(2-nitrocinnamaldehyde)ethylenediaminedichlorozinc(II)
M. H. Habibi, M. Montazerzohori, A. Lalegani, R. W. Harrington and W. Clegg.
Anal. Sci. 2007, **23**, x51–x52.
1006. Crystal structure of *N,N'*-bis(3-nitrobenzylidene)butane-1,4-diamine
M. H. Habibi, K. Barati, M. Zendejdel, R. W. Harrington and W. Clegg.
Anal. Sci. 2007, **23**, x61–x62.
1007. *N,N'*-Bis[4-trifluoromethyl]benzylidene]butane-1,4-diamine
M. H. Habibi, M. Zendejdel, K. Barati, R. W. Harrington and W. Clegg.
Acta Cryst. 2007, **E63**, o2515–o2516.
1008. Alkaline earth metal complexes of a phosphine-borane-stabilized carbanion: synthesis, structures and stabilities
K. Izod, C. Wills, W. Clegg and R. W. Harrington.
Inorg. Chem. 2007, **46**, 4320–4325.
1009. Violuric acid monohydrate: a second polymorph with more extensive hydrogen bonding
K. Guille, R. W. Harrington and W. Clegg.
Acta Cryst. 2007, **C63**, o327–o329.

1010. Synthesis, crystal structures, and spectroscopic characterization of the neutral monomeric tetrahedral $[M(\text{Diap})_2(\text{OAc})_2] \cdot \text{H}_2\text{O}$ complexes ($M = \text{Zn}, \text{Cd}$; Diap = 1,3-diazepane-2-thione; OAc = acetate) with N–H...O and O–H...O intra- and intermolecular hydrogen bonding interactions
A. Beheshti, W. Clegg, S. H. Dale and R. Hyvadia.
Inorg. Chim. Acta 2007, **360**, 2967–2972.
1011. Metalation of trimethylphosphine–borane. Unexpected reactivity of a simple phosphine–borane-stabilized carbanion toward siloxanes
K. Izod, C. Wills, W. Clegg and R. W. Harrington.
Organometallics 2007, **26**, 2861–2866.
1012. The synthesis, structure and reactivity of $\text{B}(\text{C}_6\text{F}_5)_3$ -stabilised amide ($M\text{--NH}_2$) complexes of the group 4 metals
A. J. Mountford, W. Clegg, S. J. Coles, R. W. Harrington, P. N. Horton, S. M. Humphrey, M. B. Hursthouse, J. A. Wright and S. J. Lancaster.
Chem. Eur. J. 2007, **13**, 4535–4547.
1013. New coordination modes at molybdenum for 2-diphenylphosphinoaniline derived ligands
C. Redshaw, V. C. Gibson, M. R. J. Elsegood and W. Clegg.
Chem. Commun. 2007, 1951–1953.
1014. Asymmetric cyanohydrin synthesis using heterobimetallic catalysts obtained from titanium and vanadium complexes of chiral and achiral salen ligands
Y. N. Belokon, W. Clegg, R. W. Harrington, C. Young and M. North.
Tetrahedron 2007, **63**, 5287–5299.
1015. Sodium-mediated manganation: direct mono- and dimanganation of benzene and synthesis of a transition-metal inverse-crown complex
L. M. Carrella, W. Clegg, D. V. Graham, L. M. Hogg, A. R. Kennedy, J. Klett, R. E. Mulvey, E. Rentschler and L. Russo.
Angew. Chem. Int. Ed. 2007, **46**, 4662–4666.
1016. μ_3 -Iodido-tri- μ_3 -sulfido-tris[(triphenylphosphine)silver(I)][thioxotungsten(VI)] dichloromethane 0.45-solvate
A. Beheshti, W. Clegg, S. H. Dale and R. Hyvadi.
Acta Cryst. 2007, **E63**, m1990–m1991.
1017. $[N,N'$ -Bis(6-methoxysalicylidene)-1,3-diaminopropane]copper(II)
M. H. Habibi, R. Mokhtari, R. W. Harrington and W. Clegg.
Acta Cryst. 2007, **E63**, m1998.
1018. Synthesis and structures of cadmium(II) complexes of a series of multinucleating N/S donor ligands
T. K. Ronson, H. Adams, L. P. Harding, R. W. Harrington, W. Clegg and M. D. Ward.
Polyhedron 2007, **26**, 2777–2785.
1019. Synthesis and characterization of mixed-metal complexes of Ag/Cu and W/Mo and a complex of Ag with heterocyclic thione ligands
A. Beheshti, W. Clegg, S. H. Dale, R. Hyvadi and F. Hussaini.
Dalton Trans. 2007, 2949–2956.
1020. Structure-based design of 2-arylamino-4-cyclohexylmethoxy-5-nitroso-6-aminopyrimidine inhibitors of cyclin-dependent kinase 2
F. Marchetti, K. L. Sayle, J. Bentley, W. Clegg, N. J. Curtin, J. A. Endicott, B. T. Golding, R. J. Griffin, K. Haggerty, R. W. Harrington, V. Mesguiche, D. R. Newell, M. E. M. Noble, R. J. Parsons, D. J. Pratt, L. Z. Wang and I. R. Hardcastle.
Org. Biomol. Chem. 2007, **5**, 1577–1585.

1021. Crystal structure of *N,N'*-bis(2-chlorobenzylidene)ethylenediamine
M. H. Habibi, M. Montazerzohori, K. Barati, R. W. Harrington, W. Clegg and J.-H. Choi.
Anal. Sci. 2007, **23**, x117–x118.
1022. The Schiff base *N,N'*-bis(3-nitrobenzylidene)propane-1,3-diamine
M. H. Habibi, R. Mokhtari, R. W. Harrington and W. Clegg.
Acta Cryst. 2007, **E63**, o2881.
1023. ‘Electronic bending’ of imido ligands and the effect on the coordination mode of a tridentate ancillary ligand
V. C. Gibson, C. Redshaw, W. Clegg and M. R. J. Elsegood.
Polyhedron 2007, **26**, 3161–3167.
1024. Multi-layered molecular charge-transfer salts containing alkali metal ions
L. Martin, P. Day, W. Clegg, R. W. Harrington, P. N. Horton, A. Bingham, M. B. Hursthouse, P. McMillan and S. Firth.
J. Mater. Chem. 2007, **17**, 3324–3329.
1025. Alkali metal complexes of a phosphine–borane-stabilised carbanion: influence of co-ligands on structure
K. Izod, C. Wills, W. Clegg and R. W. Harrington.
Dalton Trans. 2007, 3669–3675.
1026. Macropolyhedral boron-containing cluster chemistry. The unique *nido*-five-vertex- $\langle B_2 \rangle$ -*nido*-ten-vertex *conjuncto* structure of $[(\eta^5-C_5Me_5)_2Rh_2B_{11}H_{15}]$ via an unexpected cluster-dismantling
M. J. Carr, S. D. Perera, T. Jelínek, B. Štíbr, W. Clegg, C. A. Kilner and J. D. Kennedy.
Chem. Commun. 2007, 3559–3561.
1027. Enantioselective and diastereoselective syntheses of cyanohydrin carbonates
Y. N. Belokon, W. Clegg, R. W. Harrington, E. Ishibashi, H. Nomura and M. North.
Tetrahedron 2007, **63**, 9724–9740.
1028. A 1:1 cocrystal of 4-(dimethylamino)benzaldehyde and 6-phenyl-1,3,5-triazine-2,4-diamine
M. H. Habibi, M. Zendejdel, K. Barati, R. W. Harrington and W. Clegg.
Acta Cryst. 2007, **C63**, o474–o476.
1029. [*N,N'*-Bis(6-methoxysalicylidene)-1,3-diaminopropane]nickel(II)
M. H. Habibi, R. Mokhtari, R. W. Harrington and W. Clegg.
Acta Cryst. 2007, **E63**, m2304.
1030. Bis[chloridobis(triphenylphosphine)copper(I)- μ -chlorido]bis(1,2-diaminopropane)copper(II) acetonitrile disolvate
M. H. Habibi, M. Mikhak, R. W. Harrington and W. Clegg.
Acta Cryst. 2007, **E63**, m2305–m2306.
1031. (*E*)-{4-Amino-3-[4-(dimethylamino)benzylideneamino]phenyl}(phenyl)methanone
M. H. Habibi, M. Zendejdel, K. Barati, R. W. Harrington and W. Clegg.
Acta Cryst. 2007, **E63**, o2924.
1032. Quinoline and pyridopyrimidinone inhibitors of DNA-dependent protein kinase
O. R. Barbeau, C. Cano-Soumillac, R. J. Griffin, I. R. Hardcastle, G. C. M. Smith, C. Richardson, W. Clegg, R. W. Harrington and B. T. Golding.
Org. Biomol. Chem. 2007, **5**, 2670–2677.
1033. A spectroscopic study of the reduction of geometrically restrained viologens
A. C. Benniston, A. Harriman, P. Li, J. P. Rostron, R. W. Harrington and W. Clegg.
Chem. Eur. J. 2007, **13**, 7838–7851.

1034. 2,3,5,6-Tetrakis[3,5-bis(trifluoromethyl)phenoxy]-2,5-bis(dimethylamino)-2,3,5,6-tetrabora-1,4-dioxane diethyl ether 0.667-solvate
W. Clegg, T. B. Marder, S. Nlate and A. J. Scott.
Acta Cryst. 2007, **C63**, o603–o605.
1035. Mixed-ligand iminopyrrolato-salicylaldiminato group 4 metal complexes: optimising catalyst structure for ethylene/propylene copolymerisations
L. M. Broomfield, Y. Sarazin, J. A. Wright, D. L. Hughes, W. Clegg, R. W. Harrington and M. Bochmann.
J. Organomet. Chem. 2007, **692**, 4603–4611.
1036. Influence of aromatic ring substituents and co-ligand on the binding mode of a phosphine–borane-stabilized carbanion; crystal structures of $[(\text{Me}_3\text{Si})_2\{\text{Ph}_2\text{P}(\text{BH}_3)\}\text{C}]\text{KL}_n]_2$ [$\text{L}_n = (\text{OEt}_2)_2$, pmdeta; pmdeta = *N,N,N',N'*-pentamethyldiethylenetriamine]
K. Izod, C. Wills, W. Clegg and R. W. Harrington.
J. Organomet. Chem. 2007, **692**, 5060–5064.
1037. A second *C2/c* polymorph of butobarbitone
G. S. Nichol and W. Clegg.
Acta Cryst. 2007, **E63**, o4147.
1038. Ammonium violurate: a compact three-dimensional structure with extensive hydrogen bonding in three dimensions
G. S. Nichol and W. Clegg.
Acta Cryst. 2007, **C63**, o609–o612.
1039. Synthesis and reactivity of the methoxozirconium pentatungstate $(^n\text{Bu}_4\text{N})_6[\{(\mu\text{-MeO})\text{ZrW}_5\text{O}_{18}\}_2]$: insights into proton-transfer reactions, solution dynamics, and assembly of $\{\text{ZrW}_5\text{O}_{18}\}^{2-}$ building blocks
R. J. Errington, S. S. Petkar, P. S. Middleton, W. McFarlane, W. Clegg, R. A. Coxall and R. W. Harrington.
J. Am. Chem. Soc. 2007, **129**, 12181–12196.
1040. Metallic molecular crystals containing chiral or racemic guest molecules
L. Martin, P. Day, H. Akutsu, J. Yamada, S. Nakatsuji, W. Clegg, R. W. Harrington, P. N. Horton, M. B. Hursthouse, P. McMillan and S. Firth.
CrystEngComm 2007, **9**, 865–867.
1041. Further thoughts on crystal structures with $Z' > 1$: analysis of single-crystal structures determined using X-ray synchrotron and neutron radiation in the Cambridge Structural Database
G. S. Nichol and W. Clegg.
CrystEngComm 2007, **9**, 959–960.
1042. Crystal structures of new Schiff bases *N,N'*-bis(2-hydroxy-3-methoxybenzylidene)-1,4-diaminobutane and *N,N'*-bis(2-hydroxy-4-methoxybenzylidene)-1,4-diaminoethane
M. H. Habibi, M. K. Sardashti, K. Barati, R. W. Harrington and W. Clegg.
Z. Naturforsch. 2007, **62b**, 621–624.
1043. Bis[*N*-(4-nitrophenyl)thiobenzamidato]mercury(II)
M. H. Habibi, S. Tangestaninejad, A. Fallah Shojaie, I. Mohammadpoor-Baltork, R. Mokhtari, N. R. Brooks and W. Clegg.
Acta Cryst. 2007, **C63**, m494–m495.
1044. Structural and spectroscopic properties of *trans*-dichlorobis(2,2-dimethyl-1,3-diaminopropane)chromium(III) chloride
J.-H. Choi, W. Clegg, G. S. Nichol, S. H. Lee, Y. C. Park and M. H. Habibi.
Spectrochim. Acta A 2007, **68**, 796–801.

1045. Formation of chelated counteranions using Lewis acidic diboranes: relevance to isobutene polymerization
J. Chai, S. P. Lewis, S. Collins, T. J. J. Sciarone, L. D. Henderson, P. A. Chase, G. J. Irvine, W. E. Piers,
M. R. J. Elsegood and W. Clegg.
Organometallics 2007, **26**, 5667–5679.
1046. 3,3'-Dimethoxy-2,2'-[o-phenylenebis(nitrilomethyldiynyl)]diphenol
M. H. Habibi, M. Montazerzohori, R. Mokhtari, R. W. Harrington and W. Clegg.
Acta Cryst. 2007, **E63**, o4462.
1047. Non-aqueous synthetic methodology for TiW₅ polyoxometalates: protonolysis of [(MeO)TiW₅O₁₈]³⁻ with
alcohols, water and phenols
R. J. Errington, S. S. Petkar, P. S. Middleton, W. Clegg, R. A. Coxall and R. W. Harrington.
Dalton Trans. 2007, 5211–5222.
1048. Metal-dependent reactivity of electrophilic platinum group metal Lewis acid catalysts: competitive alkene
dimerization, intramolecular Friedel-Crafts alkylation, and carbonyl-ene reactivity
S. Doherty, J. G. Knight, C. H. Smyth, R. W. Harrington and W. Clegg.
Organometallics 2007, **26**, 5961–5966.
1049. Efficient asymmetric carbonyl-ene reactions catalyzed by platinum metal Lewis acid complexes of
conformationally flexible NUPHOS diphosphines: a comparison with BINAP
S. Doherty, J. G. Knight, C. H. Smyth, R. W. Harrington and W. Clegg.
Organometallics 2007, **26**, 6453–6461.
1050. {*N,N'*-Bis[(3-(2-nitrophenyl)prop-2-enylidene)ethylenediamine-κ²*N,N'*]chlorido(triphenylphosphine-
κP)copper(I)
M. H. Habibi, M. Montazerzohori, A. Lalegani, R. Mokhtari, R. W. Harrington and W. Clegg.
Acta Cryst. 2007, **E63**, m2933–m2934.
1051. Bis[*N,N'*-(2-chlorobenzylidene)ethylenediamine-κ²*N,N'*]copper(I) dichloridocuprate(I) acetonitrile
solvate
M. H. Habibi, M. Montazerzohori, K. Barati, R. W. Harrington and W. Clegg.
Acta Cryst. 2007, **C63**, m592–m594.
1052. Rhodium-catalyzed double [2+2+2] cycloaddition of 1,4-bis(diphenylphosphinyl)buta-1,3-diyne with
tethered diynes: a modular, highly versatile single-pot synthesis of BIPHEP-based diphosphines
S. Doherty, J. G. Knight, C. H. Smyth, R. W. Harrington and W. Clegg.
Org. Lett. 2007, **9**, 4925–4928.
-
1053. Alkali-metal-mediated manganation(II) of functionalized arenes and applications of *ortho*-manganated
products in Pd-catalyzed cross-coupling reactions with iodobenzene
V. L. Blair, W. Clegg, B. Conway, E. Hevia, A. Kennedy, J. Klett, R. E. Mulvey and L. Russo.
Chem. Eur. J. 2008, **14**, 65–72.
1054. Transamination chemistry of sodium TMP-zincate: synthesis and crystal structure of a chiral
amidozincate
D. R. Armstrong, W. Clegg, S. H. Dale, J. García-Álvarez, R. W. Harrington, E. Hevia,
G. W. Honeyman, A. R. Kennedy, R. E. Mulvey and C. T. O'Hara.
Chem. Commun. 2008, 187–189.
1055. Alkali metal complexes of a naphthylamine-substituted phosphanide
K. Izod, J. C. Stewart, W. Clegg and R. W. Harrington.
Dalton Trans. 2008, 363–370.

1056. Structurally defined reactions of sodium TMP–zincate with nitrile compounds: synthesis of a salt-like sodium sodiumdizincate and other unexpected ion-pair products
W. Clegg, S. H. Dale, E. Hevia, L. M. Hogg, G. W. Honeyman, R. E. Mulvey, C. T. O'Hara and L. Russo.
Angew. Chem. Int. Ed. 2008, **47**, 731–734.
1057. Synthesis and structural characterization of copper–molybdenum–sulfur and copper–tungsten–sulfur cluster complexes (*n*-Bu₄N)[OMS₃Cu₃Br₂L₂] with heterocyclic thiones as ligands
A. Beheshti, W. Clegg, S. H. Dale and A. Solimankhani.
Polyhedron 2008, **27**, 777–782.
1058. Structure Reports Online: major changes in response to a huge success
W. Clegg and D. G. Watson.
Acta Cryst. 2008, **E64**, e15–e17.
1059. Synthetic and structural investigations of alkali metal diamine bis(phenolate) complexes
W. Clegg, M. G. Davidson, D. V. Graham, G. Griffen, M. D. Jones, A. R. Kennedy, C. T. O'Hara, C. M. Thomson and L. Russo.
Dalton Trans. 2008, 1295–1301.
1060. Synthesis and structural elucidation of solvent-free and solvated lithium dimethyl (HMDS) zincates
D. R. Armstrong, E. Herd, D. V. Graham, E. Hevia, A. R. Kennedy, W. Clegg and L. Russo.
Dalton Trans. 2008, 1323–1330.
1061. Supramolecular assemblies of tripodal porphyrin hosts and C₆₀
L. H. Tong, J.-L. Wietor, W. Clegg, P. R. Raithby, S. I. Pascu and J. K. M. Sanders.
Chem. Eur. J. 2008, **14**, 3035–3044.
1062. Biaryl-like CATPHOS diphosphines via double Diels-Alder cycloaddition between 1,4-bis(diphenylphosphinoyl)buta-1,3-diyne and anthracenes: efficient ligands for the palladium-catalyzed amination of aromatic bromides and α -arylation of ketones
S. Doherty, J. G. Knight, C. H. Smyth, R. W. Harrington and W. Clegg.
Organometallics 2008, **27**, 1679–1682.
1063. A group 13/group 17 analogue of CO and N₂: coordinative trapping of the GaI molecule
N. D. Coombs, W. Clegg, A. L. Thompson, D. J. Willock and S. Aldridge.
J. Am. Chem. Soc. 2008, **130**, 5449–5451.
1064. In situ formation of heterobimetallic salen complexes containing titanium and/or vanadium ions
Y. N. Belokon', W. Clegg, R. W. Harrington, M. North and C. Young.
Inorg. Chem. 2008, **47**, 3801–3814.
1065. Oxazoline-substituted prolinamide-based organocatalysts for the direct intermolecular aldol reaction between cyclohexanone and aromatic aldehydes
S. Doherty, J. G. Knight, A. McRae, R. W. Harrington and W. Clegg.
Eur. J. Org. Chem. 2008, 1759–1766.
1066. Applying hot-stage microscopy to co-crystal screening: a study of nicotinamide with seven active pharmaceutical ingredients
D. J. Berry, C. C. Seaton, W. Clegg, R. W. Harrington, S. J. Coles, P. N. Horton, R. Storey, W. Jones, T. Friščič and N. Blagden.
Cryst. Growth Des. 2008, **8**, 1697–1712.

1067. Synthesis, structural authentication, and structurally defined metalation reactions of lithium and sodium DA-zincate bases (DA = diisopropylamide) with phenylacetylene
W. Clegg, J. García-Álvarez, P. García-Álvarez, D. V. Graham, R. W. Harrington, E. Hevia, A. R. Kennedy, R. E. Mulvey and L. Russo.
Organometallics 2008, **27**, 2654–2663.
1068. Novel dithiolene complexes incorporating conjugated electroactive ligands
P. J. Skabara, C. Pozo-Gonzalo, N. L. Miazza, M. Laguna, E. Cerrada, A. Luquin, B. González, S. J. Coles, M. B. Hursthouse, R. W. Harrington and W. Clegg.
Dalton Trans. 2008, 3070–3079.
1069. A donor–acceptor molecular dyad showing multiple electronic energy-transfer processes in crystalline and amorphous states
A. C. Benniston, G. Copley, A. Harriman, D. B. Rewinska, R. W. Harrington and W. Clegg.
J. Am. Chem. Soc. 2008, **130**, 7174–7175.
1070. Redox-controlled fluorescence modulation in a BODIPY-quinone dyad
A. C. Benniston, G. Copley, K. J. Elliott, R. W. Harrington and W. Clegg.
Eur. J. Org. Chem. 2008, 2705–2713.
1071. Electrochemically and photochemically active palladium(II) heterotopic metallacalix[3]arenes
M. A. Galindo, A. Houlton, W. Clegg, R. W. Harrington, J. Dobado, F. Santoyo-Gonzalez, F. Linares, M. Angustias Romero and J. A. R. Navarro.
Chem. Commun. 2008, 3735–3737.
1072. Agostic-type B–H...Pb interactions stabilize a dialkylplumbylene. Structure of and bonding in $[\{ n\text{Pr}_2\text{P}(\text{BH}_3) \} (\text{Me}_3\text{Si})\text{CCH}_2]_2\text{Pb}$
K. Izod, W. McFarlane, C. Wills, W. Clegg and R. W. Harrington.
Organometallics 2008, **27**, 4386–4394.
1073. Characterisation and properties of the $n = 3$ and $n = 4$ members of the $\text{Al}_2[\text{O}_3\text{PC}_n\text{H}_{2n}\text{PO}_3](\text{H}_2\text{O})_2\text{F}_2$ framework aluminium alkylenediphosphonate series
M. P. Attfield, C. Mendieta-Tan, Z. Yuan and W. Clegg.
Solid State Sciences 2008, **10**, 1124–1131.
1074. Synthesis, structure, and electrochemistry of pyridinecarboxamide cobalt(III) complexes; the effect of bridge substituents on the redox properties
S. Meghdadi, M. Amirnasr, M. H. Habibi, A. Amiri, V. Ghodsi, A. Rohani, R. W. Harrington and W. Clegg.
Polyhedron 2008, **27**, 2771–2778.
1075. Tuning the basicity of synergic bimetallic reagents: switching the regioselectivity of the direct dimetalation of toluene from 2,5- to 3,5-positions
V. L. Blair, L. M. Carella, W. Clegg, B. Conway, R. W. Harrington, L. M. Hogg, J. Klett, R. E. Mulvey, E. Rentschler and L. Russo.
Angew. Chem. Int. Ed. 2008, **47**, 6208–6211.
1076. Acta Crystallographica Section E: Structure Reports Online
W. Clegg and D. G. Watson.
Acta Cryst. 2008, **A64**, C168.
1077. Bringing the power of synchrotron crystallography to the chemical community
W. Clegg, R. W. Harrington and L. Russo.
Acta Cryst. 2008, **A64**, C181.

1078. Recent results from a long-term academic collaboration
L. Russo, W. Clegg and R. W. Harrington.
Acta Cryst. 2008, **A64**, C399.
1079. Crystal clear
W. Clegg.
Public Service Review: Science and Technology 2008, **1**, 32–34.
1080. Organic crystal engineering with 1,4-piperazine-2,5-diones. 7. Crystal packing of piperazinediones derived from 2-amino-7-nitro-4-methoxyindan-2-carboxylic acid
D. Ntirampebura, B. Jagadish, G. S. Nichol, M. D. Carducci, A. Dawson, A. Rajapakshe, A. G. Oliver, W. Clegg, R. W. Harrington, L. Layne Jr., J. I. Margolis and E. A. Mash.
Cryst. Growth Des. 2008, **8**, 3257–3270.
1081. Highly enantioselective synthesis of pseudo-C₂-symmetric axially chiral biaryl diphosphines via rhodium-catalyzed double [2 + 2 + 2] cycloaddition
S. Doherty, C. H. Smyth, R. W. Harrington and W. Clegg.
Organometallics 2008, **27**, 4837–4840.
1082. Octanuclear cubic coordination cages
I. S. Tidmarsh, T. B. Faust, H. Adams, L. P. Harding, W. Clegg, L. Russo and M. D. Ward.
J. Am. Chem. Soc. 2008, **130**, 15167–15175.
1083. Chemoenzymatic synthesis of chiral 4,4'-bipyridyls and their metal-organic frameworks
L. Sbircea, N. D. Sharma, W. Clegg, R. W. Harrington, P. N. Horton, M. B. Hursthouse, D. C. Apperley, D. R. Boyd and S. L. James.
Chem. Commun. 2008, 5538–5540.
1084. Mononuclear Ti≡N complexes formed by the facile multiple deprotonation of H₃N·B(C₆F₅)₃: the importance of chloride ligands
A.-M. Fuller, W. Clegg, R. W. Harrington, D. L. Hughes and S. J. Lancaster.
Chem. Commun. 2008, 5776–5778.
1085. Complexes of copper(I) and silver(I) with bis(methimazolyl)borate and dihydrobis(2-mercaptothiazolyl)borate ligands
A. Beheshti, W. Clegg, V. Nobakht, M. P. Mehr and L. Russo.
Dalton Trans. 2008, 6641–6646.
1086. Cationic terminal gallylene complexes by halide abstraction: coordination chemistry of a valence isoelectronic analogue of CO and N₂
N. D. Coombs, D. Vidovic, J. K. Day, A. L. Thompson, D. D. Le Pevelen, A. Stasch, W. Clegg, L. Russo, L. Male, M. B. Hursthouse, D. J. Willock and S. Aldridge.
J. Am. Chem. Soc. 2008, **130**, 16111–16124.
1087. Crystal structure of 3-(4-(dimethylamino)benzylidene)pentane-2,4-dione
M. H. Habibi, K. Barati, H. Etedali Habibabadi, R. W. Harrington and W. Clegg.
Anal. Sci. 2008, **24**, x285–x286.
-
1088. On the photochemical stability of the 9-mesityl-10-methylacridinium cation
A. C. Benniston, K. J. Elliott, R. W. Harrington and W. Clegg.
Eur. J. Org. Chem. 2009, 253–258.
1089. Synthetic, structural and kinetic studies on the binding of cyclohexane-1,2-bis(4-methyl-3-thiosemicarbazone) to divalent metal ions (Co, Ni, Cu, Zn or Cd)
A. J. M. Al-Kawari, W. Clegg, R. W. Harrington and R. A. Henderson.
Dalton Trans. 2009, 564–570.

1090. Structural and magnetic insights into the trinuclear ferrocenophane and unexpected hydrido inverse crown products of alkali-metal-mediated manganation(II) of ferrocene
V. L. Blair, L. M. Carrella, W. Clegg, J. Klett, R. E. Mulvey, E. Rentschler and L. Russo.
Chem. Eur. J. 2009, **15**, 856–863.
1091. Mechanism-guided development of VO(salen)X complexes as catalysts for the asymmetric synthesis of cyanohydrin trimethylsilyl ethers
Y. N. Belokon, W. Clegg, R. W. Harrington, V. I. Maleev, M. North, M. O. Pujol, D. L. Usanov and C. Young.
Chem. Eur. J. 2009, **15**, 2148–2165.
1092. Further investigations into tetrahedral M₄L₆ cage complexes containing guest anions: new structures and NMR spectroscopic studies
I. S. Tidmarsh, B. F. Taylor, M. J. Hardie, L. Russo, W. Clegg and M. D. Ward.
New. J. Chem. 2009, **33**, 366–375.
1093. Synthesis and structures of alkali metal complexes of isophthalic acid; the interplay of organic supramolecular interactions and flexible metal coordination as structure-directing factors
W. Clegg and L. Russo.
Cryst. Growth Des. 2009, **9**, 1158–1163.
1094. Can a butadiene-based architecture compete with its biaryl counterpart in asymmetric catalysis? Enantiopure Me-CATPHOS, a remarkably efficient ligand for asymmetric hydrogenation
S. Doherty, C. H. Smyth, A. Harriman, R. W. Harrington and W. Clegg.
Organometallics 2009, **28**, 888–895.
1095. Closer insight into the reactivity of TMP–dialkyl zincates in directed ortho-zincation of anisole: experimental evidence of amido basicity and structural elucidation of key reaction intermediates
W. Clegg, B. Conway, E. Hevia, M. D. McCall, L. Russo and R. E. Mulvey.
J. Am. Chem. Soc. 2009, **131**, 2375–2384.
1096. New synthetic and structural studies on nitroso-*ortho*-carboranes RCB₁₀H₁₀CNO and bis(*ortho*-carboranyl)amines (RCB₁₀H₁₀C)₂NH (R = Ph or Me)
M. A. Fox, J. A. H. MacBride, R. J. Peace, W. Clegg, M. R. J. Elsegood and K. Wade.
Polyhedron 2009, **28**, 789–795.
1097. Classical and weak hydrogen bonding interactions between 4,4'-bipyridine and organic acids: from co-crystal to organic complex
G. S. Nichol and W. Clegg.
Cryst. Growth Des. 2009, **9**, 1844–1850.
1098. Bis[(trimethylsilyl)methyl]manganese: structural variations of its solvent-free and TMEDA-, pyridine- and dioxane-complexed forms
A. Alberola, V. L. Blair, E. Carmona, L. M. Carrella, W. Clegg, A. R. Kennedy, J. Klett, R. E. Mulvey, S. Newton, E. Rentschler and L. Russo.
Organometallics 2009, **28**, 2112–2118.
1099. Seven-membered cyclic dialkylstannylene and -plumbylene compounds stabilized by agostic-type B–H... E interactions [E = Sn, Pb]
K. Izod, C. Wills, W. Clegg and R. W. Harrington.
Organometallics 2009, **28**, 2211–2217.
1100. Synthesis of copper(I) complexes of N-heterocyclic carbene–phenoxyimine/amine ligands: structures of mononuclear copper(II), mixed-valence copper(I)/(II), and copper(II) cluster complexes
S. Simonovic, A. C. Whitwood, W. Clegg, R. W. Harrington, M. B. Hursthouse, L. Male and R. E. Douthwaite.
Eur. J. Inorg. Chem. 2009, 1786–1795.

1101. Synthesis and structural characterisation of alkali metal complexes of heteroatom-stabilised 1,4- and 1,6-dicarbanions
K. Izod, L. J. Bowman, C. Wills, W. Clegg and R. W. Harrington.
Dalton Trans. 2009, 3340–3347.
1102. Electrochemical, spectroelectrochemical, and comparative studies of novel organic conjugated monomers and polymers featuring the redox-active unit tetrathianaphthalene
J. C. Forgie, A. L. Kanibolotsky, P. J. Skabara, S. J. Coles, M. B. Hursthouse, R. W. Harrington and W. Clegg.
Macromolecules 2009, **42**, 2570–2580.
1103. Direct C–H metalation with chromium(II) and iron(II): transition-metal host/benzenediide guest magnetic inverse-crown complexes
P. Alborés, L. M. Carella, W. Clegg, P. García-Álvarez, A. R. Kennedy, J. Klett, R. E. Mulvey, E. Rentschler and L. Russo.
Angew. Chem. Int. Ed. 2009, **48**, 3317–3321.
1104. The highly regiospecific synthesis and crystal structure determination of 1,1'-2,5' substituted ring-locked ferrocenes
A. Connell, P. J. Holliman, I. R. Butler, L. Male, S. J. Coles, P. N. Horton, M. B. Hursthouse, W. Clegg and L. Russo.
J. Organomet. Chem. 2009, **694**, 2020–2028.
1105. Self-assembly of a bis(adeninyl)–Cu(I) complex: a cationic nucleobase duplex mimic
M. A. Galindo, D. Amantia, W. Clegg, R. W. Harrington, R. J. Eyre, J. P. Goss, P. R. Briddon, W. McFarlane and A. Houlton.
Chem. Commun. 2009, 2833–2835.
1106. Donor-dictated interlocking co-complexation reactions of LiNHDipp with dimethylzinc: synthesis and structures of new methyl(amido)zincates
W. Clegg, D. V. Graham, E. Herd, E. Hevia, A. R. Kennedy, M. D. McCall and L. Russo.
Inorg. Chem. 2009, **48**, 5320–5327.
1107. Dynamic behavior of intramolecularly base-stabilized phosphatetrylenes. Insights into the inversion processes of trigonal pyramidal germanium(II) and tin(II) centers
K. Izod, J. Stewart, E. R. Clark, W. McFarlane, B. Allen, W. Clegg and R. W. Harrington.
Organometallics 2009, **28**, 3327–3337.
1108. Structurally-defined potassium-mediated zincation of pyridine and 4-R-substituted pyridines (R = Et, *i*Pr, *t*Bu, Ph, Me₂N) using bisalkyl TMP-zincate bases
W. Clegg, B. Conway, D. V. Graham, E. Hevia, A. R. Kennedy, R. E. Mulvey, L. Russo and D. S. Wright.
Chem. Eur. J. 2009, **15**, 7074–7082.
1109. Trends in *ortho*-carboranes 1-X-2-R-1,2-RC₂B₁₀H₁₀ (R = Ph, Me) bearing an *exo*-CN-bonded substituent group (X = NO, N=NR' or NHR'')
M. A. Fox, R. J. Peace, W. Clegg, M. R. J. Elsegood and K. Wade.
Polyhedron 2009, **28**, 2359–2370.
1110. Mixed donor-functionalised phosphinomethanide complexes of the alkali metals; synthesis, structures, and solution dynamics
C. Wills, K. Izod, J. Young, W. Clegg and R. W. Harrington.
Dalton Trans. 2009, 6159–6165.

1111. (Acetato- κ O)[tris(3,5-dimethylpyrazol-1-yl- κ N²)hydroborato]zinc(II)
A. Beheshti, W. Clegg, S. H. Dale and R. Hyvadi.
Acta Cryst. 2009, **C65**, m314–m316.
1112. Bis(tetraphenylphosphonium) (hexasulfido-2 κ^2 S¹,S⁶)di- μ -sulfido-disulfido-1 κ^2 S-tungsten(VI)zinc(II)
acetone solvate
A. Beheshti, W. Clegg, S. H. Dale and R. Hyvadi.
Acta Cryst. 2009, **C65**, m331–m332.
1113. Synthesis of biaryl diphosphines via a stepwise regioselective double Diels-Alder cycloaddition–
elimination sequence: efficient ligands for the palladium-catalyzed amination of aromatic bromides
S. Doherty, C. H. Smyth, R. W. Harrington and W. Clegg.
Organometallics 2009, **38**, 5273–5276.
1114. Alkali-metal-mediated manganation(II) of naphthalenes: constructing metalla-anthracene and metalla-
phenanthrene structures
V. L. Blair, W. Clegg, R. E. Mulvey and L. Russo.
Inorg. Chem. 2009, **48**, 8863–8870.
1115. Probing metal-ion purine interactions at DNA minor-groove sites
M. A. Galindo, D. Amantia, A. M. Martinez, W. Clegg, R. W. Harrington, V. M. Martinez
and A. Houlton.
Inorg. Chem. 2009, **48**, 10295–10303.
1116. Acyclic dialkylstannylene and -plumbylene compounds that are monomeric in the solid state
K. Izod, C. Wills, R. W. Harrington and W. Clegg.
Organometallics 2009, **28**, 5661–5668.
1117. Formation of helix-containing rods in a hybrid inorganic-organic material
Z. Yuan, W. Clegg and M. P. Attfield.
J. Solid State Chem. 2009, **182**, 3049–3054.
1118. Synergic synthesis of benzannulated zincabicyclic complexes, α -zincated N ylides, through sodium-
TMEDA-mediated zincation of a haloarene
D. R. Armstrong, L. Balloch, W. Clegg, S. H. Dale, P. García-Álvarez, E. Hevia, L. M. Hogg,
A. R. Kennedy, R. E. Mulvey and C. T. O'Hara.
Angew. Chem. Int. Ed. 2009, **48**, 8675–8678.
1119. Extending the Lindqvist family to late 3d transition metals: a rational entry to CoW₅ hexametalate
chemistry
R. J. Errington, G. Harle, W. Clegg and R. W. Harrington.
Eur. J. Inorg. Chem. 2009, 5240–5246.
1120. Reactions of Pd(II) with chelate-tethered 2,6-diaminopurine derivatives: N3-coordination and reaction of
the purine system
M. A. Galindo, D. Amantia, A. Martinez-Martinez, W. Clegg, R. W. Harrington, V. Moreno Martinez
and A. Houlton.
Inorg. Chem. 2009, **48**, 11085–11091.
1121. Structural tracking of the potassium-mediated magnesiation of anisole
W. Clegg, B. Conway, P. García-Álvarez, A. R. Kennedy, R. E. Mulvey, L. Russo, J. Sassmannshausen
and T. Tuttle.
Chem. Eur. J. 2009, **15**, 10702–10706.
-

1122. Potassium-mediated zincation of ferrocene and ruthenocene: potassium, the architect behind supramolecular structural variations
W. Clegg, B. Conway, P. García-Álvarez, A. R. Kennedy, J. Klett, R. E. Mulvey and L. Russo.
Dalton Trans. 2010, **39**, 62–65.
1123. Crystal structure of [2,13-dibenzyl-5,16-dimethyl-2,6,13,17-tetraazatricyclo(14,4,0^{1.18},0^{7.12})docosane]-copper(II) diperchlorate
J.-H. Choi, W. Clegg and R. W. Harrington.
J. Chem. Crystallogr. 2010, **40**, 80–84.
1124. Pyridine and benzonitrile adducts of bis(4-nonafluorobiphenyl)zinc
E. Martin, W. Clegg, R. W. Harrington, D. L. Hughes, M. B. Hursthouse, L. Male and S. J. Lancaster.
Polyhedron 2010, **29**, 405–413.
1125. Synthesis, structures, and dynamic behavior of intramolecularly base-stabilized diphosphatetrylenes containing a five-membered chelate ring
K. Izod, J. Stewart, W. Clegg and R. W. Harrington.
Organometallics 2010, **29**, 108–116.
1126. *ortho,ortho'*-Substituted KITPHOS monophosphines: highly efficient ligands for palladium-catalyzed C–C and C–N bond formation
S. Doherty, J. G. Knight, J. P. McGrady, A. M. Ferguson, N. A. B. Ward, R. W. Harrington and W. Clegg.
Adv. Synth. Catal. 2010, **352**, 201–211.
1127. Synthesis and crystal structures of bis(*N*-phenyl-3,5-dinitrothiobenzamidato)mercury(II) and bis(*N*-phenyl-4-nitrothiobenzamidato)mercury(II)
M. H. Habibi, S. Tangestaninejad, A. Fallah-Shojaiea, K. Barati, N. R. Brooks and W. Clegg.
J. Coord. Chem. 2010, **63**, 579–585.
1128. Cofacial boron dipyrromethene (Bodipy) dimers: synthesis, charge delocalization, and exciton coupling
A. C. Benniston, G. Copley, A. Harriman, D. Howgego, R. W. Harrington and W. Clegg.
J. Org. Chem. 2010, **75**, 2018–2027.
1129. Expanded-ring and backbone-functionalised N-heterocyclic carbenes
M. Iglesias, D. J. Beetstra, K. J. Cavell, A. Dervisi, I. A. Fallis, B. Kariuki, R. W. Harrington, W. Clegg, P. N. Horton, S. J. Coles and M. B. Hursthouse.
Eur. J. Inorg. Chem. 2010, 1604–1607.
1130. Synthesis and electropolymerization of hexadecyl functionalized bithiophene and thieno[3,2-*b*]thiophene end-capped with EDOT and EDTT units
G. J. McEntee, P. J. Skabara, F. Vilela, S. Tierney, I. D. W. Samuel, S. Gambino, S. J. Coles, M. B. Hursthouse, R. W. Harrington and W. Clegg.
Chem. Mater. 2010, **22**, 3000–3008.
1131. Oxidation reactions of a phosphine-borane-stabilised dialkylstannylene
C. Wills, K. Izod, W. Clegg and R. W. Harrington.
Dalton Trans. 2010, **39**, 2379–2384.
1132. Structural variety within gallium diphosphonates affected by the organic linker length
M. P. Attfield, Z. Yuan, H. G. Harvey and W. Clegg.
Inorg. Chem. 2010, **49**, 2656–2666.
1133. Germanium(II) and tin(II) complexes of a sterically demanding phosphanide ligand
K. Izod, J. Stewart, E. R. Clark, W. Clegg and R. W. Harrington.
Inorg. Chem. 2010, **49**, 4698–4707.

1134. Crystal structure and spectroscopic properties of *trans*-dibromobis(1,2-ethanediamine)chromium(III) perchlorate
J.-H. Choi, W. Clegg, R. W. Harrington and S. H. Lee.
J. Chem. Crystallogr. 2010, **40**, 567–571.
1135. Cyclic carbonate synthesis catalysed by bimetallic aluminium(salen) complexes
W. Clegg, R. W. Harrington, M. North and R. Pasquale.
Chem. Eur. J. 2010, **16**, 6828–6843.
1136. Cleave and capture chemistry illustrated through bimetallic-induced synergic fragmentation of tetrahydrofuran
R. E. Mulvey, V. L. Blair, W. Clegg, A. R. Kennedy, J. Klett and L. Russo.
Nature Chemistry 2010, **2**, 588–591.
1137. An unexpected ring contraction of two nitroaryl pro-drugs: conversion of *N*-(nitroaryl)-3-chloropiperidine derivatives into *N*-(nitroaryl)-2-chloromethylpyrrolidines
P. J. Burke, L. C. Wong, W. Clegg, R. W. Harrington, T. C. Jenkins, R. J. Know, I. T. Meikle and S. P. Stanforth.
Tetrahedron Lett. 2010, **51**, 3918–3921.
1138. Structural basis for regioisomerization in the alkali-metal-mediated zincation (AMMZn) of trifluoromethyl benzene by isolation of kinetic and thermodynamic intermediates
D. R. Armstrong, V. L. Blair, W. Clegg, S. H. Dale, J. García-Álvarez, G. W. Honeyman, E. Hevia, R. E. Mulvey and L. Russo.
J. Am. Chem. Soc. 2010, **132**, 9480–9487.
1139. Thermal 1,3-trityl migrations in Diels–Alder domino reactions of 1-trityl-1-vinyl-1*H*-imidazoles
L. J. Cotterill, R. W. Harrington, W. Clegg and M. J. Hall.
J. Org. Chem. 2010, **75**, 4604–4607.
1140. Lanthanide(II) complexes of a phosphine-borane-stabilised carbanion
K. Izod, W. Clegg and R. W. Harrington.
Dalton Trans. 2010, **39**, 6705–6710.
1141. Synthesis, crystal structure and spectroscopic properties of [2,13-bis(1-naphthalenylmethyl)-5,16-dimethyl-2,6,13,17-tetraazatricyclo(14,4,0^{1,18},0^{7,12})docosane]copper(II) diperchlorate acetonitrile disolvate
J.-H. Choi, W. Clegg and G. S. Nichol.
Z. Anorg. Allg. Chem. 2010, **636**, 1612–1616.
1142. Exciplex-like emission from a closely-spaced, orthogonally-sited anthracenyl-boron dipyrromethene (Bodipy) molecular dyad
A. C. Benniston, A. Harriman, V. L. Whittle, M. Zelzer, R. W. Harrington and W. Clegg.
Photochem. Photobiol. Sci. 2010, **9**, 1009–1017.
1143. Cyclic carbonates as sustainable solvents for proline-catalysed aldol reactions
W. Clegg, R. W. Harrington, M. North, F. Pizzato and P. Villuendas.
Tetrahedron: Asymmetry 2010, **21**, 1262–1271.
1144. Macropolyhedral boron-containing cluster chemistry. [S₂B₁₆H₁₇][−], a new eighteen-vertex thiaboron anion
M. J. Carr, W. Clegg, J. D. Kennedy, M. Londesborough and C. A. Kilner.
Coll. Czech. Chem. Commun. 2010, **75**, 807–812.
1145. A bimetallic aluminum(salen) complex for the synthesis of 1,3-oxathiolane-2-thiones and 1,3-dithiolane-2-thiones
W. Clegg, R. W. Harrington, M. North and P. Villuendas.
J. Org. Chem. 2010, **75**, 6201–6207.

1146. Synthesis and structure of pillared molybdates and tungstates with framework layers
J. L. Nicholls, S. E. Hulse, S. K. Callear, G. J. Tizzard, R. A. Stephenson, M. B. Hursthouse, W. Clegg, R. W. Harrington and A. M. Fogg.
Inorg. Chem. 2010, **49**, 8545–8551.
1147. New chiral organosulfur donors related to bis(ethylenedithio)tetrathiafulvalene
S. Yang, A. C. Brooks, L. Martin, P. Day, M. Pilkington, W. Clegg, R. W. Harrington, L. Russo and J. D. Wallis.
Tetrahedron 2010, **66**, 6977–6989.
1148. Efficient cycloisomerization of propargyl amides by electrophilic gold(I) complexes of KITPHOS monophosphines: a comparative study
S. Doherty, J. G. Knight, A. S. K. Hashmi, C. H. Smyth, N. A. B. Ward, K. J. Robson, S. Tweedley, R. W. Harrington and W. Clegg.
Organometallics 2010, **29**, 4139–4147.
1149. $\text{Yb}_3\text{O}(\text{OH})_6\text{Cl}\cdot 2\text{H}_2\text{O}$: an anion-exchangeable hydroxide with a cationic inorganic framework structure
H. V. Goulding, S. E. Hulse, W. Clegg, R. W. Harrington, H. Y. Playford, R. I. Walton and A. M. Fogg.
J. Am. Chem. Soc. 2010, **132**, 13618–13620.
1150. Synthesis and structure of the alkoxido-titanium pentamolybdate $(^n\text{Bu}_4\text{N})_3[(^i\text{PrO})\text{TiMo}_5\text{O}_{18}]$: an entry into systematic TiMo_5 reactivity
R. J. Errington, L. Coyle, P. S. Middleton, C. J. Murphy, W. Clegg and R. W. Harrington.
J. Clust. Sci. 2010, **221**, 503–514.
1151. Synthesis, structure, and solution behavior of a phosphine–borane-stabilized 1,3-dicarbocation
K. Izod, C. Wills, W. Clegg and R. W. Harrington.
Organometallics 2010, **29**, 4774–4777.
1152. Current developments in small-molecule X-ray crystallography
W. Clegg.
Techniques in Inorganic Chemistry, ed. J. P. Fackler, Jr. and L. R. Falvello, CRC Press, Boca Raton, 2011, 1–14.
1153. Synthesis and characterization of an infinite sheet of metal–alkyl bonds: unfolding the elusive structure of an unsolvated alkali-metal trisalkylmagnesiates
S. E. Baillie, W. Clegg, P. García-Álvarez, E. Hevia, A. R. Kennedy, J. Klett and L. Russo.
Chem. Commun. 2011, 47, 388–390.
-
1154. 1-(2-Cyclohex-2-enylpropionyl)-3-methylurea, 2-ethyl-5-methylhexanamide and 2-ethylpentanamide: three products of barbiturate decomposition
G. S. Nichol and W. Clegg.
Acta Cryst. 2011, **C67**, o13–o17.
1155. (Z)-3-Chloromethylidene-5,6-dimethoxy-2-methyl-2,3-dihydro-1,2-benzothiazole 1,1-dioxide
J. P. Bassin, V. P. Shah, L. Martin, W. Clegg and R. W. Harrington.
Acta Cryst. 2011, **E67**, o12.
1156. Self-assembly and charge transport properties of a benzobisthiazole end-capped with dihexyl thienothiophene units
G. J. McEntee, F. Vilela, P. J. Skabara, T. D. Anthopoulos, J. G. Labram, S. Tierney, R. W. Harrington and W. Clegg.
J. Mater. Chem. 2011, **21**, 2091–2097.

1157. Kinetic and theoretical studies on the protonation of $[\text{Ni}(\text{2-C}_6\text{H}_4\text{N})\{\text{PhP}(\text{CH}_2\text{CH}_2\text{PPh}_2)_2\}]^+$: nitrogen versus sulfur as the protonation site
A. L. Petrou, A. D. Koutselos, H. S. Wahab, W. Clegg, R. W. Harrington and R. A. Henderson.
Inorg. Chem. 2011, **50**, 847–857.
1158. Synthesis and structures of [(trimethylsilyl)methyl]sodium and -potassium with bi- and tridentate N-donor ligands
W. Clegg, B. Conway, A. R. Kennedy, J. Klett, R. E. Mulvey and L. Russo.
Eur. J. Inorg. Chem. 2011, 721–726.
1159. Pyrrolyl-, 2-(2-thienyl)pyrrolyl- and 2,5-bis(2-thienyl)pyrrolyl-nucleosides: synthesis, molecular and electronic structure, and redox behaviour of C5-thymidine derivatives
M. A. Galindo, J. Hannant, R. W. Harrington, W. Clegg, B. R. Horrocks, A. R. Pike and A. Houlton.
Org. Biomol. Chem. 2011, **9**, 1555–1564.
1160. *trans*-Dichloridobis(propane-1,3-diamine- $\kappa^2\text{N},\text{N}'$)chromium(III) perchlorate
J.-H. Choi and W. Clegg.
Acta Cryst. 2011, **E67**, m381.
1161. Synthesis and structural characterization of mixed-metal complexes of Cu^{I} with MOS_3 cores ($\text{M} = \text{Mo}, \text{W}$) and of an unusual polymeric AgI /mercaptoimidazole complex with five different Ag^{I} coordination environments
A. Beheshti, W. Clegg, R. Khorramdin, V. Nobakht and L. Russo.
Dalton Trans. 2011, **40**, 2815–2821.
1162. Isoindolinone inhibitors of the murine double minute 2 (MDM2)-p53 protein–protein interaction: structure–activity studies leading to improved potency
I. R. Hardcastle, J. Liu, E. Valeur, A. Watson, S. U. Ahmed, T. J. Blackburn, K. Bennaceur, W. Clegg, C. Drummond, J. A. Endicott, B. T. Golding, R. J. Griffin, J. Gruber, K. Haggerty, R. W. Harrington, C. Hutton, S. Kemp, X. Lu, J. M. McDonnell, D. R. Newell, M. E. M. Noble, S. L. Payne, C. H. Revell, C. Riedinger, Q. Xu and J. Lunec.
J. Med. Chem. 2011, **54**, 1233–1243.
1163. Shedding new light on ZnCl_2 -mediated addition reactions of Grignard reagents to ketones: structural authentication of key intermediates and diffusion-ordered NMR studies
D. R. Armstrong, W. Clegg, P. García-Álvarez, M. D. McCall, L. Nuttall, A. R. Kennedy, L. Russo and E. Hevia.
Chem. Eur. J. 2011, **17**, 4470–4479.
1164. Crystal structure and spectroscopic properties of *cis*- β -diazido(1,4,7,11-tetraazaundecane)chromium(III) bromide
J.-H. Choi, W. Clegg and R. W. Harrington.
Z. Anorg. Allg. Chem. 2011, **637**, 562–566.
1165. Two polymorphs of tetraethylammonium [hydrogen tris(3,5-dimethylpyrazolyl)borato]di- μ_2 -sulfido(η^2 -tetrasulfido)ditungsten(V) with $Z' = 1$ and 2
A. Beheshti, W. Clegg, N. E. Filoori and L. Russo.
Acta Cryst. 2011, **C67**, m149–m153.
1166. Sodium congener of the classical lithium methylchromate dimer: synthetic, X-ray crystallographic, and magnetic studies of $\text{Me}_8\text{Cr}_2[\text{Na}(\text{OEt}_2)]_4$
R. Campbell, L. M. Carrella, W. Clegg, R. E. Mulvey, E. Rentschler, S. D. Robertson, and L. Russo.
Inorg. Chem. 2011, **50**, 4656–4659.

1167. Unusual hybrid materials prepared by the oxidation of a ketone
D. L. Holden, H. V. Goulding, J. Bacsá, N. G. Berry, N. Greeves, R. A. Stephenson, R. W. Harrington, W. Clegg and A. M. Fogg.
Cryst. Growth Des. 2011, **11**, 3013–3019.
1168. Taming functionality: easy-to-handle chiral phosphiranes
A. Ficks, I. Martinez-Botella, B. Stewart, R. W. Harrington, W. Clegg and L. J. Higham.
Chem. Commun. 2011, **47**, 8274–8276.
1169. Expanding Mg–Zn hybrid chemistry: inorganic salt effects in addition reactions of organozinc reagents to trifluoroacetophenone and the implications for a synergistic lithium–magnesium–zinc activation
D. R. Armstrong, W. Clegg, P. García-Álvarez, A. R. Kennedy, M. D. McCall, L. Russo and E. Hevia.
Chem. Eur. J. 2011, **17**, 8333–8341.
1170. Synthesis of a (piperazine-1-ylmethyl)biaryl library via microwave-mediated Suzuki–Miyaura cross-couplings
J. Spencer, C. B. Baltus, N. J. Press, R. W. Harrington and W. Clegg.
Tetrahedron Lett. 2011, **52**, 3963–3968.
1171. Synthesis and crystal structures of dimeric W(Mo)/Cu/S and polymeric W/Cu/S neutral clusters with flexible 1,4-bis(3,5-dimethylprazol-1-yl)butane as a linker ligand
A. Beheshti, W. Clegg, S. A. Mousavi Fard, R. W. Harrington, V. Nobakht and L. Russo.
Inorg. Chim. Acta 2011, **376**, 310–316.
1172. Magnesium-mediated benzothiazole activation: a room-temperature cascade of C–H deprotonation, C–C coupling, ring-opening, and nucleophilic addition reactions
V. L. Blair, W. Clegg, A. R. Kennedy, Z. Livingstone, L. Russo and E. Hevia.
Angew. Chem. Int. Ed. 2011, **50**, 9857–8960.
1173. Complexes of aryl-substituted porphyrins and naphthalenediimide (NDI): investigations by synchrotron X-ray diffraction and NMR spectroscopy
L. H. Tong, P. Pengo, W. Clegg, J. P. Lowe, P. R. Raithby, J. K. M. Sanders and S. I. Pascu.
Dalton Trans. 2011, **40**, 10833–10842.
1174. (*E,E*)-*N*¹,*N*²-Bis(2,6-difluorobenzylidene)ethane-1,2-diamine
M. Khaledi, R. Kia, W. Clegg and R. W. Harrington.
Acta Cryst. 2011, **E67**, o3107.
1175. (*E,E*)-*N*¹,*N*⁴-Bis(2,6-difluorobenzylidene)butane-1,4-diamine
M. Khaledi, R. Kia, W. Clegg and R. W. Harrington.
Acta Cryst. 2011, **E67**, o3108.
1176. Synthesis, structures and stabilities of thioanisole-functionalised phosphido-borane complexes of the alkali metals
K. Izod, J. M. Watson, W. Clegg and R. W. Harrington.
Dalton Trans. 2011, **40**, 11712–11718.
1177. Design, synthesis, and characterization of functionalized silepins: high quantum yield blue emitters
L. G. Mercier, S. Furukawa, W. E. Piers, A. Wakamiya, S. Yamaguchi, M. Parvez, R. W. Harrington and W. Clegg.
Organometallics 2011, **30**, 1719–1729.
-
1178. Chiral salen ligands designed to form polymetallic complexes
T. R. J. Achard, W. Clegg, R. W. Harrington and M. North.
Tetrahedron 2012, **68**, 133–144.

1179. Protonolysis of $[(^i\text{PrO})\text{TiMo}_5\text{O}_{18}]^{3-}$: access to a family of TiMo_5 Lindqvist type polyoxometalates
L. Coyle, P. S. Middleton, C. J. Murphy, W. Clegg, R. W. Harrington and R. J. Errington.
Dalton Trans. 2012, **41**, 971–981.
1180. An alkoxido-tin-substituted polyoxometalate $[(\text{MeO})\text{SnW}_5\text{O}_{18}]^{3-}$: the first member of a new family of reactive $\{\text{SnW}_5\}$ Lindqvist-type anions
B. Kandasamy, C. Wills, W. McFarlane, W. Clegg, R. W. Harrington, A. Rodríguez-Forteza, J. M. Poblet, P. G. Bruce and R. J. Errington.
Chem. Eur. J. 2012, **18**, 59–62.
1181. Hypervalent sulfur-functionalized diphosphagermylene and diphosphastannylene compounds
K. Izod, E. R. Clark, W. Clegg and R. W. Harrington.
Organometallics 2012, **31**, 246–255.
1182. Main-group metal–alkyls: simple formulae but complex structural chemistry
W. Clegg.
Angew. Chem. Int. Ed. 2012, **51**, 1310–1311.
1183. Rational addition of capping groups to the phosphomolybdate Keggin anion $[\text{PMo}_{12}\text{O}_{40}]^{3-}$ by mild, non-aqueous reductive aggregation
R. Bakri, A. Booth, G. Harle, P. S. Middleton, C. Wills, W. Clegg, R. W. Harrington and R. J. Errington.
Chem. Commun. 2012, **48**, 2779–2781.
1184. Photoinduced charge shift and charge recombination through an alkynyl spacer for an expanded acridinium-based dyad
A. C. Benniston, J. Hagon, X. He, H. Lemmetyinen, N. V. Tkachenko, W. Clegg and R. W. Harrington.
Phys. Chem. Chem. Phys. 2012, **14**, 3194–3199.
1185. Exploring Förster electronic energy transfer in a decoupled anthracenyl-based borondipyrrromethene (Bodipy) dyad
D. Bai, A. C. Benniston, J. Hagon, H. Lemmetyinen, N. V. Tkachenko, R. W. Harrington and W. Clegg.
Phys. Chem. Chem. Phys. 2012, **14**, 4447–4456.
1186. Benzyl ether-substituted phosphido–borane complexes of the alkali metals
K. Izod, J. M. Watson, W. Clegg and R. W. Harrington.
Eur. J. Inorg. Chem. 2012, 1696–1701.
1187. Selective formation of a polar incomplete coordination cage induced by remote ligand substituents
N. Giri, W. Clegg, R. W. Harrington, P. N. Horton, M. B. Hursthouse and S. L. James.
Chem. Commun. 2012, **48**, 4061–4063.
1188. Crystal structure and conformational analysis of *s-cis*-(acetylacetonato)(ethylenediamine-*N,N'*-diacetato)chromium(III). Development of vibrationally optimized force field (VOFF)
J.-H. Choi, S. R. Niketić, I. Djordjević, W. Clegg and R. W. Harrington.
J. Mol. Model. 2012, **18**, 2135–2146.
1189. Air-stable, highly fluorescent primary phosphanes
L. H. Davies, B. Stewart, R. W. Harrington, W. Clegg and L. J. Higham.
Angew. Chem. Int. Ed. 2012, **51**, 4921–4924.
1190. Adding rubidium and cesium to the homologous series of alkali metal compounds of trimethylsilylmethanides and 2,2,6,6-tetramethylpiperidides
W. Clegg, A. R. Kennedy, J. Klett, R. E. Mulvey and L. Russo.
Eur. J. Inorg. Chem. 2012, 2989–2994.

1191. Ultra-fast co-sensitization and tri-sensitization of dye-sensitized solar cells with N719, SQ1 and triarylamine dyes
P. J. Holliman, M. Mohsen, A. Connell, M. L. Davies, K. Al-Salihi, M. B. Pitak, G. J. Tizzard, S. J. Coles, R. W. Harrington, W. Clegg, C. Serpa, O. H. Fontes, C. Charbonneau and M. J. Carnie.
J. Mater. Chem. 2012, **22**, 13318–13327.
1192. Synthesis, structural elucidation, and diffusion-ordered NMR studies of homoleptic alkyl lithium magnesiates: donor-controlled structural variations in mixed-metal chemistry
S. E. Baillie, W. Clegg, P. García-Álvarez, E. Hevia, A. R. Kennedy, J. Klett and L. Russo.
Organometallics 2012, **31**, 5131–5142.
1193. Diastereoselective intermolecular ene reactions: synthesis of 4,5,6,7-tetrahydro-1*H*-benzo[*d*]imidazoles
L. J. Watson, R. W. Harrington, W. Clegg and M. J. Hall.
Org. Biomol. Chem. 2012, **10**, 6649–6655.
1194. Chiral Ag(I) and Pt(II) complexes of ditopic NHC ligands: synthesis, structural and spectroscopic properties
P. Marshall, R. L. Jenkins, W. Clegg, R. W. Harrington, S. K. Callear, S. J. Coles, I. A. Fallis and A. Dervisi.
Dalton Trans. 2012, **41**, 12839–12846.
1195. Effect on charge transfer and charge recombination by insertion of a naphthalene-based bridge in molecular dyads based on borondipyrromethene (Bodipy)
A. C. Benniston, S. Clift, J. Hagon, H. Lemmetyinen, N. V. Tkachenko, W. Clegg and R. W. Harrington.
ChemPhysChem 2012, **13**, 3672–3681.
1196. Nine-vertex metallaborane chemistry. Preparation and characterisation of [1,1,1-(PMe₃)₂H-isocloso-IrB₈H₇-8-X], where X = H or Cl
J. Bould, R. W. Harrington, W. Clegg and J. D. Kennedy.
J. Organomet. Chem. 2012, **721–722**, 155–163.
1197. Synthesis and stability of 3-hydroxyanagrelide, a biologically potent metabolite of anagrelide
R. B. Scott, C. M. Downey, K. P. Healey, A. P. Henderson, C. L. Robinson, W. Clegg, R. W. Harrington, R. Franklin and B. T. Golding.
Heterocycles 2012, **86**, 1637–1646.
-
1198. Structural elucidation of homometallic anthracenolates synthesised *via* deprotonative metallation of anthrone
W. Clegg, B. J. Fleming, P. García-Álvarez, L. M. Hogg, A. R. Kennedy, J. Klett, A. J. Martínez- Martínez, R. E. Mulvey, L. Russo and C. T. O'Hara.
Dalton Trans. 2013, **42**, 2512–2519.
1199. Synthesis and structural characterisation of an unusual phosphine-borane-substituted organoplumbate
K. Izod, C. Wills, R. W. Harrington and W. Clegg.
J. Organomet. Chem. 2013, **725**, 11–14.
1200. Phosphido-borane and phosphido-bis(borane) complexes of the alkali metals, a comparative study
K. Izod, J. M. Watson, W. Clegg and R. W. Harrington.
Inorg. Chem. 2013, **52**, 1466–1475.
1201. Efficient multigram syntheses of air-stable, chiral primary phosphine ligand precursors via palladium-catalyzed phosphonylation of aryltriflates
A. Ficks, C. Sibbald, S. Ojo, R. W. Harrington, W. Clegg and L. J. Higham.
Synthesis 2013, **45**, 265–271.

1202. X-ray crystal structures, packing behavior, and thermal stability studies of a homologous series of *n*-alkyl-substituted polyhedral oligomeric silsesquioxanes
Y. El Aziz, A. R. Bassindale, P. G. Taylor, R. A. Stephenson, M. B. Hursthouse, R. W. Harrington and W. Clegg.
Macromolecules 2013, **46**, 988–1001.
1203. Metal-to-ligand ratio as a design factor in the one-pot synthesis of coordination polymers with [MS₄Cu_n] (M = W or Mo, n = 3 or 5) cluster nodes and a flexible pyrazole-based bridging ligand
A. Beheshti, W. Clegg, V. Nobakht and R. W. Harrington.
Cryst. Growth Des. 2013, **13**, 1023–1032.
1204. Reduction of 2,2,2-trichloro-1-arylethanones by RMgX: mechanistic investigation and the synthesis of substituted α,α -dichloroketones
A. H. Essa, R. I. Lerrick, F. Tuna, R. W. Harrington, W. Clegg and M. J. Hall.
Chem. Commun. 2013, **49**, 2756–2758.
1205. Isomeric and chemical consequences of the direct magnesiation of 1,3-benzoxazoles using β -diketiminato-stabilized magnesium bases
S. E. Baillie, V. L. Blair, T. D. Bradley, W. Clegg, J. Cowan, R. W. Harrington, A. Hernán-Gómez, A. R. Kennedy, Z. Livingstone and E. Hevia.
Chem. Sci. 2013, **4**, 1895–1905.
1206. Electron-rich trialkyl-type dihydro-KITPHOS monophosphines: efficient ligands for palladium-catalyzed Suzuki–Miyaura cross-coupling. Comparison with their biaryl-like KITPHOS monophosphine counterparts
S. Doherty, J. G. Knight, M. Mumby, N. A. B. Ward, D. M. Bittner, C. Wills, W. McFarlane, W. Clegg and R. W. Harrington.
Organometallics 2013, **32**, 1773–1788.
1207. 5,5-Dimethyl-2,8-diphenyl-5*H*-dibenzo[*b,f*]silepin: a synchrotron study
W. Clegg, R. W. Harrington, L. G. Mercier and W. E. Piers.
Acta Cryst. 2013, **C69**, 436–438.
1208. Synthesis and reactivity of aryl(alkynyl)iodonium salts
L. I. Dixon, M. A. Carroll, T. J. Gregson, G. J. Ellames, R. W. Harrington and W. Clegg.
Eur. J. Org. Chem. 2013, 2334–2345.
1209. Light-induced rearrangement of thioether-substituted phosphanide ligands: scope and limitations of a remarkable isomerization
K. Izod, E. R. Clark, P. Foster, R. J. Percival, I. M. Riddlestone, W. Clegg and R. W. Harrington.
Chem. Eur. J. 2013, **19**, 6094–6107.
1210. Synthesis and hydrolysis–condensation study of water-soluble self-assembled pentacoordinate polysilylamides
M. Sohail, A. R. Bassindale, P. G. Taylor, A. A. Korlyukov, D. E. Arkhipov, L. Male, S. J. Coles, M. B. Hursthouse, R. W. Harrington and W. Clegg.
Organometallics 2013, **32**, 1721–1731 and 2874.
1211. Coordination chemistry of 6-thioguanine derivatives with cobalt: toward formation of electrical conductive one-dimensional coordination polymers
P. Amo-Ochoa, S. S. Alexandre, S. Hribesh, M. A. Galindo, O. Castillo, C. J. Gómez-García, A. R. Pike, J. M. Soler, A. Houlton, R. W. Harrington, W. Clegg and F. Zamora.
Inorg. Chem. 2013, **52**, 5290–5299 and 7306.

1212. Pentacoordinate silicon complexes with dynamic motion resembling a pendulum on the S_N2 reaction pathway
M. Sohail, R. Panisch, A. Bowden, A. R. Bassindale, P. G. Taylor, A. A. Korlyukov, D. E. Arkhipov, L. Male, S. Callear, S. J. Coles, M. B. Hursthouse, R. W. Harrington and W. Clegg.
Dalton Trans. 2013, **42**, 10971–10981.
1213. Unprecedented regiochemical control in the formation of aryl[1,2-*a*]imidazopyridines from alkynyliodonium salts: mechanistic insights
L. I. Dixon, M. A. Carroll, T. J. Gregson, G. J. Ellames, R. W. Harrington and W. Clegg.
Org. Biomol. Chem. 2013, **11**, 5877–5884.
1214. Synthesis, crystal structure and photo-induced isomerization of
[*N,N'*-bis(4-fluorobenzylidene)ethylenediamine]bromo(triphenylphosphine)copper(I)
K. Barati, M. H. Habibi, M. Montazerzohori, H. Shafieyan, R. W. Harrington and W. Clegg.
Polyhedron 2013, **62**, 61–65.
1215. Donor-activated lithiation and sodiation of trifluoromethylbenzene: structural, spectroscopic, and theoretical insights
J. A. Garden, D. R. Armstrong, W. Clegg, J. García-Álvarez, E. Hevia, A. R. Kennedy, R. E. Mulvey, S. D. Robertson and L. Russo.
Organometallics 2013, **32**, 5481–5490.
1216. Alkali metal complexes of 6-methyl-2-pyridone: simple formulae, but not so simple structures
W. Clegg and D. M. Tooke.
Acta Cryst. 2013, **B69**, 603–612.
1217. Benzo[*b*]thiophene-fused boron and silicon ladder acenes
L. G. Mercier, W. E. Piers, R. W. Harrington and W. Clegg.
Organometallics 2013, **32**, 6820–6826.
1218. Synchrotron single-crystal diffraction for chemists: development and maturity
W. Clegg.
ACA Transactions 2013, **44**, 61–68.
-
1219. Saddling up copper – new twists on a metallo-wheel
N. Zarrabi, J. J. Hayward, W. Clegg and M. Pilkington.
Dalton Trans. 2014, **43**, 2352–2355.
1220. Binding multidentate ligands to Ni²⁺: kinetic identification of preferential binding sites
D. Nartop, W. Clegg, R. W. Harrington, R. A. Henderson and C. Y. Wills.
Dalton Trans. 2014, **43**, 3372–3382.
1221. Probing the metallating ability of a polybasic sodium alkylmagnesiato supported by a bulky bis(amido) ligand: deprotomagnesiation reactions of nitrogen-based aromatic substrates
D. R. Armstrong, W. Clegg, A. Hernán-Gómez, A. R. Kennedy, Z. Livingstone, S. D. Robertson, L. Russo and E. Hevia.
Dalton Trans. 2014, **43**, 4361–4369.
1222. Axially Chiral BODIPYs
R. I. Lerrick, T. P. L. Winstanley, K. Haggerty, C. Wills, W. Clegg, R. W. Harrington, P. Bultinck, W. Herrebout, A. C. Benniston and M. J. Hall.
Chem. Commun. 2014, **50**, 4714–4716.

1223. Ditopic bis-terdentate cyclometallating ligands and their highly luminescent dinuclear iridium(III) complexes
P.-H. Lanoë, C. M. Tong, R. W. Harrington, M. R. Probert, W. Clegg, J. A. G. Williams and V. N. Kozhevnikov.
Chem. Commun. 2014, **50**, 6831–6834.
1224. A simple method for desymmetrizing 1,1'-ferrocenedicarboxaldehyde
A. C. Benniston, D. Sirbu, C. Turta, M. R. Probert and W. Clegg.
Tetrahedron Lett. 2014, **55**, 3777–3780.
1225. X-ray and neutron single-crystal diffraction
W. Clegg.
Inorganic Materials. Structure from Scattering Methods, ed. D. W. Bruce, D. O'Hare and R. I. Walton, Wiley, Chichester, 2014, 83–154.
1226. Design, synthesis, and structures of two-dimensional coordination polymers by variation of co-ligands in a facile one-pot reaction
A. Beheshti, W. Clegg, V. Nobakht and R. W. Harrington.
Polyhedron 2014, **81**, 256–260.
1227. Structural and reactivity insights in Mg–Zn hybrid chemistry: Zn–I exchange and Pd-catalysed cross-coupling applications of aromatic substrates
T. D. Bluemke, W. Clegg, P. García-Álvarez, A. R. Kennedy, K. Koszinowski, M. D. McCall, L. Russo and E. Hevia.
Chem. Sci. 2014, **5**, 3552–3562.
1228. ^BR₂BodPR₂: highly fluorescent alternatives to PPh₃ and PhPCy₂
L. H. Davies, R. W. Harrington, W. Clegg and L. J. Higham.
Dalton Trans. 2014, **43**, 13485–13499.
1229. Potassium-alkyl magnesiates: synthesis, structures and Mg–H exchange applications of aromatic and heterocyclic substrates
S. E. Baillie, T. D. Bluemke, W. Clegg, A. R. Kennedy, J. Klett, L. Russo, M. de Tullioa and E. Hevia.
Chem. Commun. 2014, **50**, 12859–12862.
1230. Re and ^{99m}Tc complexes of BodP3 – multi-modality imaging probes
L. H. Davies, B. B. Kasten, P. D. Benny, R. L. Arrowsmith, H. Ge, S. I. Pascu, S. W. Botchway, W. Clegg, R. W. Harrington and L. J. Higham.
Chem. Commun. 2014, **50**, 15503–15505.
1231. Air-stable chiral primary phosphines: a gateway to MOP ligands with previously inaccessible stereoelectronic profiles
A. Ficks, W. Clegg, R. W. Harrington and L. J. Higham.
Organometallics 2014, **33**, 6319–6329.
1232. Structural variation in mellitate complexes of first-row transition metals: what chance for design?
W. Clegg and J. M. Holcroft.
Cryst. Growth Des. 2014, **14**, 6282–6293.
1233. Synthesis, molecular structure and properties of a ferrocene-based difluoropyrrolo-oxaborole derivative
A. C. Benniston, D. Sirbu, C. Turta, M. R. Probert and W. Clegg.
Eur. J. Inorg. Chem. 2014, 6212–6219.
-

1234. Mechanisms and rates of proton transfer to coordinated carboxydithioates: studies on $[\text{Ni}(\text{S}_2\text{CR})\{\text{PhP}(\text{CH}_2\text{CH}_2\text{ppH}_2)_2\}]^+$ (R = Me, Et, Buⁿ or Ph)
A. Alwaaly, W. Clegg, R. A. Henderson, M. R. Probert and P. G. Waddell.
Dalton Trans. 2015, **44**, 3307–3317.
1235. Homoleptic and heteroleptic ruthenium(II) complexes based on 2,6-bis(quinolin-2-yl)pyridine ligands – multiple-charged-state modules for potential density memory storage
I. Marin, C. Turta, A. C. Benniston, R. W. Harrington and W. Clegg.
Eur. J. Inorg. Chem. 2015, 786–793.
1236. Copper pyromellitates: a complex story
W. Clegg, J. M. Holcroft and N. C. Martin.
CrystEngComm 2015, **17**, 2857–2871.
1237. Chiral radical-cation salts of BEDT-TTF containing a single enantiomer of tris(oxalato)aluminate(III) and -chromate(III)
L. Martin, H. Akutsu, P. N. Horton, M. B. Hursthouse, R. W. Harrington and W. Clegg.
Eur. J. Inorg. Chem. 2015, 1865–1870.
1238. Two alternative approaches to access mixed hydride-amido zinc complexes: synthetic, structural and solution implications
A. J. Roberts, W. Clegg, A. R. Kennedy, M. R. Probert, S. D. Robertson and E. Hevia.
Dalton Trans. 2015, **44**, 8169–8177.
1239. Grignard-mediated reduction of 2,2,2-trichloro-1-arylethanones
A. H. Essa, R. I. Lerrick, E. Çiftçi, R. W. Harrington, P. G. Waddell, W. Clegg and M. J. Hall.
Org. Biomol. Chem. 2015, **13**, 5793–5803.
1240. Structurally defined zincated and aluminated complexes of ferrocene made by alkali-metal synergistic syntheses
W. Clegg, E. Crosbie, S. H. Dale-Black, E. Hevia, G. W. Honeyman, A. R. Kennedy, R. E. Mulvey, D. L. Ramsay and S. D. Robertson.
Organometallics 2015, **34**, 2580–2589.
1241. Mechanism of proton transfer to coordinated thiolates: encapsulation of acid stabilizes precursor intermediate
A. Alwaaly, W. Clegg, R. W. Harrington, A. L. Petrou and R. A. Henderson.
Dalton Trans. 2015, **44**, 11977–11983.
1242. Synthesis, characterization and crystal structures of the bidentate Schiff base *N,N'*-bis(2-nitrocinnamaldehyde)ethylenediamine and its complex with CuNCS and triphenylphosphane
W. Clegg, R. W. Harrington, K. Barati, M. H. Habibi, M. Montazerozohori and A. Lalegani.
Acta Cryst. 2015, **C71**, 578–583.
1243. New crystal packing arrangements in radical cation salts of BEDT-TTF with $[\text{Cr}(\text{NCS})_6]^{3-}$ and $[\text{Cr}(\text{NCS})_5(\text{NH}_3)]^{2-}$
A. C. Brooks, L. Martin, P. Day, W. Clegg, R. W. Harrington and J. D. Wallis.
Polyhedron 2015, **102**, 75–81.

1244. Contrasting crystal packing arrangements in triiodide salts of radical cations of chiral bis(pyrrolo[3,4-*d*])tetrathiafulvalenes
L. Martin, S. Yang, A. C. Brooks, P. N. Horton, L. Male, O. Moufii, L. Harmand, P. Day, W. Clegg, R. W. Harrington and J. D. Wallis.
CrystEngComm 2015, **17**, 7354–7362.
-
1245. Circularly polarized luminescence from helically chiral *N,N,O,O*-boron-chelated dipyrromethenes
R. B. Alnoman, S. Rihn, D. C. O'Connor, F. A. Black, B. Costello, P. G. Waddell, W. Clegg, R. D. Peacock, W. Herrebout, J. G. Knight and M. J. Hall.
Chem. Eur. J. 2016, **22**, 93–96.
1246. Synthesis and crystal structure of the dinuclear copper(II) Schiff base complex μ -hydroxido- μ -chlorido-bis{[bis(*trans*-2-nitrocinnamaldehyde)ethylenediamine]chloridocopper(II)} dichloromethane sesquisolvate
K. Barati, W. Clegg, M. H. Habibi, R. W. Harrington, A. Lalegani and M. Montazerzohori.
Acta Cryst. 2016, **C72**, 239–242.
1247. Assessing the reactivity of sodium alkyl-magnesiates towards quinoxaline: single electron transfer (SET) vs. nucleophilic alkylation processes
Z. Livingstone, A. Hernández-Gómez, S. E. Baillie, D. R. Armstrong, L. M. Carella, W. Clegg, R. W. Harrington, A. R. Kennedy, E. Rentschler and E. Hevia.
Dalton Trans. 2016, **45**, 6175–6182.
1248. When two are better than one: bright phosphorescence from non-stereogenic dinuclear iridium(III) complexes
R. E. Daniels, S. Culham, M. Hunter, M. C. Durrant, M. R. Probert, W. Clegg, J. A. G. Williams and V. N. Kozhevnikov.
Dalton Trans. 2016, **45**, 6949–6962.
1249. High-throughput screening and hit validation of extracellular-related kinase 5 (ERK5) inhibitors
S. M. Myers, R. H. Bawn, L. C. Bisset, T. J. Blackburn, B. Cottyn, L. Molyneux, A.-C. Wong, C. Cano, W. Clegg, R. W. Harrington, H. Leung, L. Rigoreau, S. Vidot, B. T. Golding, R. J. Griffin, T. Hammonds, D. R. Newell and I. R. Hardcastle.
ACS Comb. Sci. 2016, **18**, 444–455.
1250. Synthesis of pentacyclic pyrrolo[3,4-*a*]carbazole-1,3(2*H*)-diones via an intermolecular Diels–Alder, intramolecular carbonyl-ene reaction strategy
M. Abualnaja, P. G. Waddell, W. Clegg and M. J. Hall.
Tetrahedron 2016, **72**, 5798–5806.
1251. Structural and mechanistic insights into s-block bimetallic catalysis: sodium magnesiate-catalyzed guanylation of amines
M. De Tullio, A. Hernán-Gómez, Z. Livingstone, W. Clegg, A. R. Kennedy, R. W. Harrington, A. Antiñolo, A. Martínez, F. Carrillo-Hermosilla and E. Hevia.
Chem. Eur. J. 2016, **22**, 17646–17656.
-
1252. Regioselective magnesiation of N-heterocyclic molecules: securing insecure cyclic anions by a β -diketiminato-magnesium clamp
L. Davin, R. McLellan, A. Hernán-Gómez, W. Clegg, A. R. Kennedy, M. Mertens, I. Stepek and E. Hevia.
Chem. Commun. 2017, **53**, 3653–3656.
1253. Coinage metal complexes of phosphonate analogues of 2-diphenylphosphino-1,1'-binaphthyl (H-MOP) and 2-diphenylphosphino-2'-methoxy-1,1'-binaphthyl (MeO-MOP)
J. T. Fleming, P. G. Waddell, M. R. Probert, W. Clegg and L. J. Higham.
Eur. J. Inorg. Chem. 2017, 2837–2844.

1254. Production of 17-*O*-demethyl-geldanamycin, a cytotoxic ansamycin polyketide, by *Streptomyces hygroscopicus* DEM20745
A. Baksh, B. Kepplinger, H. A. Isah, M. R. Probert, W. Clegg, C. Wills, M. Goodfellow, J. Errington, N. Allenby and M. J. Hall.
Nat. Prod. Res. 2017, **31**, 1895–1900.
1255. Synthesis and characterization of chiral phosphirane derivatives of $[(\mu\text{-H})_4\text{Ru}_4(\text{CO})_{12}]$ and their application in the hydrogenation of an α,β -unsaturated carboxylic acid
A. F. Abdel-Magied, M. H. Majeed, M. F. Abelairas-Edesa, A. Ficks, R. M. Ashour, A. Rahaman, W. Clegg, M. Haukka, L. J. Higham and E. Nordlander.
J. Organomet. Chem. 2017, **849–850**, 71–79.
1256. Structural diversity and argentophilic interactions in one-dimensional silver-based coordination polymers
G. Lamming, J. Kolokotroni, T. Harrison, T. J. Penfold, W. Clegg, P. G. Waddell, M. R. Probert and A. Houlton.
Cryst. Growth Des. 2017, **17**, 5753–5763.
1257. Remote access revolution: chemical crystallographers enter a new era at Diamond Light Source beamline I19
N. T. Johnson, P. G. Waddell, W. Clegg and M. R. Probert.
Crystals 2017, **7**, 360.
1258. Pioneering remote-access use of Diamond beamline I19
W. Clegg, N. T. Johnson, M. R. Probert and P. G. Waddell.
Acta Cryst. 2017, **A73**, C316.
-
1259. Utilising sodium-mediated ferration for regioselective functionalisation of fluoroarenes via C–H and C–F bond activations
L. C. H. Maddock, T. Nixon, A. R. Kennedy, M. R. Probert, W. Clegg and E. Hevia.
Angew. Chem. Int. Ed. 2018, **57**, 187–191.
1260. Substitution of the laser borane *anti*-B₁₈H₂₂ with pyridine: a structural and photophysical study of some unusually structured macropolyhedral boron hydrides
M. G. S. Londesborough, J. Dolanský, T. Jelínek, J. D. Kennedy, I. Cisařová, R. D. Kennedy, D. Roca-Sanjuán, A. Francés-Monerris, K. Lang and W. Clegg.
Dalton Trans. 2018, **47**, 1709–1725.
1261. Bonding insights from structural and spectroscopic comparisons of {SnW₅} and {TiW₅} alkoxido- and aryloxido-substituted Lindqvist polyoxometalates
B. Kandasamy, P. G. Bruce, W. Clegg, R. W. Harrington, A. Rodríguez-Forteza, M. Pascual-Borrás and R. J. Errington.
Chem. Eur. J. 2018, **24**, 2750–2757.
1262. Push–pull quinoidal porphyrins
M. J. Smith, I. M. Blake, W. Clegg and H. L. Anderson.
Org. Biomol. Chem. 2018, **16**, 3648–3654.
1263. Cocrystals of barbituric acid with alkali metal halides
W. Clegg, G. S. Nichol and A. Patel.
Croat. Chem. Acta 2018, **91**, 241–248.
1264. Synchrotron single-crystal diffraction for chemistry and materials: new developments
W. Clegg.
Acta Cryst. 2018, **A74**, e74.

1265. Structural and synthetic insights into pyridine homocouplings mediated by a β -diketiminato magnesium amide complex
L. Davin, W. Clegg, A. R. Kennedy, M. R. Probert, R. McLellan and E. Hevia.
Chem. Eur. J. 2018, **24**, 14830–14835.
1266. Mode of action of kanglemycin A, an ansamycin natural product that is active against rifampicin-resistant *Mycobacterium tuberculosis*
H. Mosaei, V. Molodtsov, B. Kepplinger, J. Harbottle, C. W. Moon, R. E. Jeeves, L. Ceccaroni, Y. Shin, S. Morton-Laing, E. C. L. Marrs, C. Wills, W. Clegg, Y. Yuzenkova, J. D. Perry, J. Bacon, J. Errington, N. E. E. Allenby, M. J. Hall, K. S. Murakami and N. Zenkin.
Mol. Cell 2018, **72**, 263–274.
-
1267. Addressing the properties of “Metallo-DNA” with a Ag(I)-mediated supramolecular duplex
L. Mistry, O. El-Zubir, G. Dura, W. Clegg, P. G. Waddell, T. Pope, W. A. Hofer, N. G. Wright, B. R. Horrocks and A. Houlton.
Chem. Sci. 2019, **10**, 3186–3195.
1268. The development and exploitation of synchrotron single-crystal diffraction for chemistry and materials
W. Clegg
Phil. Trans. Roy. Soc. A 2019, **377**, 20180239.
1269. Crystallographic curiosities: polymorphism and structures with $Z' > 1$
W. Clegg.
Acta Cryst. 2019, **C75**, 833–834.
1270. Macropolyhedral nickelaboranes from the metal-assisted fusion of KB_9H_{14}
M. G. S. Londesborough, R. Macías, J. D. Kennedy, W. Clegg and J. Bould.
Inorg. Chem. 2019, **58**, 13258–13267.
1271. Some reflections on symmetry: pitfalls of automation and some illustrative examples
W. Clegg.
Acta Cryst. 2019, **E75**, 1812–1819.
1272. Some reflections on symmetry
W. Clegg.
Acta Cryst. 2019, **A75**, e754.
-
1273. Swollen polyhedral volume of the *anti*- $\text{B}_{18}\text{H}_{22}$ cluster via extensive methylation: *anti*- $\text{B}_{18}\text{H}_8\text{Cl}_2\text{Me}_{12}$
M. G. S. Londesborough, K. Lang, W. Clegg, P. G. Waddell and J. Bould.
Inorg. Chem. 2020, **59**, 2651–2654.
1274. Using the Cambridge Structural Database in research and teaching: a personal view
W. Clegg.
IUCr Newsletter 2020, **28**, unnumbered pages in issue number 1.
1275. A reversible NO-triggered multiple metallaborane cluster fusion by ligand expulsion/addition from $(\text{PMe}_2\text{Ph})_4\text{Pt}_2\text{B}_{10}\text{H}_{10}$ to afford $(\text{PMe}_2\text{Ph})_8\text{Pt}_8\text{B}_{40}\text{H}_{40}$ and $(\text{PMe}_2\text{Ph})_5\text{Pt}_4\text{B}_{20}\text{H}_{20}$
J. Bould, W. Clegg, P. G. Waddell, J. Cvačka, M. Dušek and M. G. S. Londesborough.
Inorg. Chem. 2020, **59**, 5030–5040.
1276. A regioselectively 1,1',3,3'-tetrazincated ferrocene complex displaying core and peripheral reactivity
G. W. Honeyman, D. R. Armstrong, W. Clegg, E. Hevia, A. R. Kennedy, R. McLellan, S. A. Orr, J. A. Parkinson, D. L. Ramsay, S. D. Robertson, S. Towie and R. E. Mulvey.
Chem. Sci. 2020, **11**, 6510–6520.

1277. Why do so many crystal structures remain unpublished?
W. Clegg
IUCr Newsletter 2020, **28**, unnumbered pages in issue number 2.
1278. A series of ultra-efficient blue borane fluorophores
J. Bould, K. Lang, K. Kirakci, L. Cerdán, D. Roca-Sanjuán, A. Francés-Monerris, W. Clegg,
P. G. Waddell, M. Fuciman, T. Polívka and M. G. S. Londesborough.
Inorg. Chem. 2020, **59**, 17058–17070.
-
1279. Distortions, deviations and alternative facts: reliability in crystallography
W. Clegg
IUCrJ 2021, **8**, 4–11.
1280. Phosphido-bis(borane) complexes of the alkaline earth metals
K. Izod, J. M. Watson, R. W. Harrington and W. Clegg.
Dalton Trans. 2021, **50**, 1019–1024.
1281. Diastereoselective rearomative etherifications and aminations of 2,3,9,9a-tetrahydro-1*H*-carbazoles
M. M. Abualnaja, J. Cowell, J. D. Jolliffe, C. Wills, P. G. Waddell, W. Clegg and M. J. Hall.
Tetrahedron 2021, **89**, 132144.
1282. Ferrocenylmethylphosphanes and the Alpha process for methoxycarbonylation: the original story
K. M. Fortune, C. Castel, C. M. Robertson, P. N. Horton, M. E. Light, S. J. Coles, M. Waugh, W. Clegg,
R. W. Harrington and I. R. Butler.
Inorganics 2021, **9**, 57.
1283. X-ray and neutron diffraction
W. Clegg
Comprehensive Coordination Chemistry III 2021, **2**, 60–76.
1284. A simple and high-yield route to iridium, rhodium, osmium and ruthenium *nido*-6-metalladecaborane compounds
J. Bould, M. G. S. Londesborough, V. Passarelli, W. Clegg, P. G. Waddell, J. Cvačka and R. Macías.
Dalton Trans. 2021, **50**, 16751–16764.
1285. Jumping in the deep end: 1970s structural challenges and their impact for a career in crystallography teaching and research.
W. Clegg.
Acta Cryst. 2021, **A77**, a59.
-
1286. Macropolyhedral chalcogenaboranes: insertion of selenium into the isomers of B₁₈H₂₂
J. Bould, M. G. S. Londesborough, M. Litecká, R. Macías, S. L. Shea, T. D. McGrath, W. Clegg and J. D. Kennedy.
Inorg. Chem. 2022, **61**, 1899–1917.
1287. Antiureolytic activity of new water-soluble thiadiazole derivatives: spectroscopic, DFT, and molecular docking studies
Z. H. J. Al-Qaisi, Z. S. Al-Garawi, A. J. M. Al-Karawi, A. J. Hammood, A. M. Abdallah, W. Clegg and G. G. Mohamed.
Spectrochim. Acta A 2022, **272**, 120971.
1288. Influence of the methyl group in isoprene epoxides on reactivity compared to butadiene epoxides: biochemical significance
B. T. Golding, M. Abelairas-Edesa, R. D. Tilbury, J. P. Wilson, D. Zhang, A. P. Henderson, C. Bleasdale, W. Clegg and W. P. Watson.
Chemico-Biological Interactions 2022, **361**, 109949.

1289. Discovery, isolation, heterologous expression and mode-of-action studies of the antibiotic polyketide tatiomicin from *Amycolatopsis* sp. DEM30355
B. Kepplinger, L. Mardiana, J. Cowell, S. Morton-Laing, Y. Dashti, C. Wills, E. C. L. Marrs, J. D. Perry, J. Gray, M. Goodfellow, J. Errington, M. R. Probert, W. Clegg, J. Bogaerts, W. Herrebout, N. E. E. Allenby and M. J. Hall.
Scientific Reports 2022, **12**, 15579.
1290. How do initial diffraction images get turned into a unit cell and what can I do when it doesn't work?
W. Clegg.
Acta Cryst. 2022, **A78**, a66.
1291. Can you SQUEEZE an ion? And if not, why not?
W. Clegg.
Acta Cryst. 2022, **A78**, a67.
1292. Incorporating trimethylaluminium into the structures of alkali metal (Li, Na, K, Cs) dihydropyridines
S. P. Docherty, S. Banerjee, W. Clegg, F. J. Palin, A. R. Kennedy, S. D. Robertson and R. E. Mulvey.
Z. anorg. allg. Chem. 2022, e202200356.
-
1293. The metal-mediated coupling of the diselenaundecaborate anion $[\text{Se}_2\text{B}_9\text{H}_{10}]^-$
J. Bould, O. Tok, W. Clegg, M. G. S. Londesborough, M. Litecká and M. Ehn.
Inorg. Chim. Acta 2023, **547**, 121341.
1294. David G. Watson (1934–2023)
W. Clegg.
Acta Cryst. 2023, **E79**, 578–579.
1295. A window into the workings of *anti*- $\text{B}_{18}\text{H}_{22}$ luminescence – blue-fluorescent isomeric pair 3,3'- $\text{Cl}_2\text{-B}_{18}\text{H}_{20}$ and 3,4'- $\text{Cl}_2\text{-B}_{18}\text{H}_{20}$ (and others)
M. Ehn, D. Bavol, J. Bould, V. Strnad, M. Litecká, K. Lang, K. Kirakci, W. Clegg, P. G. Waddell and M. G. S. Londesborough.
Molecules 2023, **28**, 4505.
1296. Vanadium complexes derived from *O,N,O*-tridentate 6-bis(*o*-hydroxyalkyl/aryl)pyridines: structural studies and use in the ring-opening polymerization of ϵ -caprolactone and ethylene polymerization
M. R. J. Elsegood, W. Clegg and C. Redshaw.
Catalysts 2023, **13**, 988.
1297. Space groups – the final frontier: a tutorial guided tour of some entries in *International Tables for Crystallography Volume A*
W. Clegg.
Cryst. Rev. 2023, **29**, 228–246.
-
1298. Investigating the competitive factors of metal–anion coordination, coordination by water, and hydrogen bonding in complexes of cyanuric acid with the alkaline earth metals
W. Clegg and G. S. Nichol.
Crystals 2024, **14**, 98.
1299. Alkali metal complexes of phosphine–borane-substituted benzyl ligands and their application in the synthesis of $\text{B-H}\cdots\text{Sn}$ stabilized dialkylstannylenes
A. M. Madloul, A. Alwaaly, C. M. Dixon, P. G. Waddell, W. Clegg, M. R. Probert, R. W. Harrington and K. Izod.
Organometallics 2024, **43**, 164–173.

1300. Synthesis and crystal structure of a silver(I) 6-methylmercaptopurine riboside complex
L. L. G. Al-Mahamad and W. Clegg.
Acta Cryst. 2024, **C80**, 80–84.
1301. Extended hydrogen-bonded molybdenum arrays derived from carboxylic acids and dianilines: ROP capability of the complexes and parent acids and dianilines
W. Clegg, M. R. J. Elsegood and C. Redshaw.
Catalysts 2024, **14**, 214.
1302. The sensitivity of structure to ionic radius and reaction stoichiometry: a crystallographic study of metal coordination and hydrogen bonding in barbiturate complexes of all five alkali metals Li–Cs.
W. Clegg and G. S. Nichol.
Molecules 2024, **29**, 1495.
1303. Expanding luminescence horizons in macropolyhedral heteroboranes
J. Bould, M. Ehn, O. Tok, D. Bovol, M. Kučeráková, W. Clegg, M. Litecká, K. Lang, K. Kirakci and M. G. S. Londesborough.
Angew. Chem. Int. Ed. 2024, 63, e202401872.
1304. A crystallographer's concerto
W. Clegg.
IUCr Newsletter 2024, **32**, unnumbered pages in issue number 3.
1305. How does a diffractometer find a unit cell and what can you do when it fails?
W. Clegg.
Acta Cryst. 2024, **A80**, e623.
1306. Unpublished crystal structures: the hidden bulk of the iceberg?
W. Clegg.
Cryst. Rev. 2024, **30**, 208–225.
-