

PUBLICATIONS: W. CLEGG 1992

- 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
 $[(t\text{Bu}_2\text{C}=\text{NNa})_4(\text{NH}=\text{C}t\text{Bu}_2)_2]$: 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. Internat. Edit. 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 $[\text{VO}(\text{1-vinylimidazole})_4\text{Cl}]\text{Cl}$ 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 $[\text{Ni}(\text{OH}_2)_2(\text{NH}_2\text{CH}_2\text{CH}_2\text{CH}_2\text{NH}_2)_2][\text{picrate}]_2$
W. Clegg, P. K. Bharadwaj and S. Mandal.
Acta Cryst. 1992, **C48**, 942–943.
- 349.** Edge-shared, bioctahedral, 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.** $[\text{Bis}\{\text{bis}(\text{imidazolidine-2-thione})-\mu_2\text{-(imidazolidine-2-thione)copper(I)}\}]$ 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.** $[\text{Hg}_7(\text{SC}_6\text{H}_{11})_{12}\text{Br}_2]$, 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 M_2S_2 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.
Tet. Letters 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, $[\text{LH}]^+[\text{S}(\text{Ph})\text{C}_2\text{B}_{10}\text{H}_{10}]^-$ (L = 1,8-*N,N,N',N'*-tetramethylnaphthalene diamine)
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 ⁿBuMgCl: 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. W. Henderson, 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. 1992, **Supplement 6**, 182.
- 365.** Structures of some aminothiolate complexes of platinum
W. Clegg, B. Harris and I. C. Taylor.
Z. Krist. 1992, **Supplement 6**, 183.