

PUBLICATIONS: W. CLEGG 1989

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),  $[\text{Cu}(\text{mimtH})\text{CN}]_n$ : 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,  $\text{PhNHC}(=\text{S})\text{NHPh}$ , in HMPA: the unexpected structure of the product,  $[\text{PhNLiC}(=\text{NPh})\text{SLi} \cdot 2\text{HMPA}]_2$ , 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  $\text{Li}_{4-x}\text{Na}_{2+x}[\text{N}=\text{C}(\text{Ph})\text{Bu}^t]_6$ : three (metal–nitrogen)<sub>2</sub> 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  $[\text{PhCNSSN}][\text{S}_3\text{N}_2]\text{Cl}$  and  $[(\text{PhCNSSN})_2\text{Cl}][\text{S}_3\text{N}_3]$   
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- $\beta$ -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  $[\text{M}_2\text{M}'(\text{O}_2\text{CR})_6(\text{C}_9\text{H}_7\text{N})_2]$ ; crystal structure of  $[\text{Zn}_2\text{Ba}(\text{O}_2\text{CCMe}_3)_6(\text{C}_9\text{H}_7\text{N})_2]$   
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*, Aston University 1989, unnumbered pages.

- 265.** A double intramolecular ring metalation: formation, spectroscopic characterization, and molecular structure of  $(C_5Me_3(CH_2)_2)Ta(H)_2(PMe_3)_2$   
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,  $\{[H_2\overline{C(CH_2)_3N}Li]_3 \cdot PMDETA\}_2$  and  $\{H_2\overline{C(CH_2)_3N}Li\}_2 \cdot TMEDA\}_2$ , 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(3H)-thione: crystal structures of trans-dichlorotetrakis[1-methylimidazoline-2(3H)-thione]nickel(II) and tetrakis[1-methylimidazoline-2(3H)-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,  $[W_4(NBu^t)_4O_4Cl_{10}]^{2-}$  and  $[W_6O_{14}Cl_{10}]^{2-}$   
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  $(\eta-C_5H_5)NbCl_2(NCH_3)$   
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.**  $[H_2\overline{C(CH_2)_5N}Li]_6$ , 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. Internat. Edit. 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  $[Fe_2(CO)_6(PhCN_2S_2)]$ : 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- $\mu$ -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.