

---

**JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 353 (1988)**


---

**SUBJECT INDEX****Chromium**

- Arenetricarbonylchromium complexes, nucleophilic aromatic substitution in (F. Rose-Munch, E. Rose, A. Semra, Y. Jeannin, F. Robert), (353) 53
- Chromium(III) and chromium(IV)  $\pi$ -aromatic complexes, preparation and structures of (W.A. Herrmann, W.R. Thiel, E. Herdtweck), (353) 323
- Tricarbonyl( $\eta^6$ -cyclooctatetraene)-chromium and -tungsten, two-dimensional NMR exchange spectroscopy of (E.W. Abel, K.G. Orrell, K.B. Qureshi, V. Šik, D. Stephenson), (353) 337

**Cobalt**

- Cyclopentadienylcobalt 1,2-diselenolene complexes, preparation and properties of (C.P. Morley, R.R. Vaughan, B.J. Wheatley), (353) C39
- Mesitylene-solvated cobalt atoms, catalytic activity in cocyclization of  $\alpha,\omega$ -diynes and nitriles of (G. Vitulli, S. Bertozzi, P. Pertici, R. Lazzaroni, P. Salvadori, A. Colligiani), (353) C35
- Octacarbonyldicobalt promoted dihydrogen activation by highly polarizing  $\text{Co}^{2+}$  cations (G. Fachinetti, T. Funaioli, M. Marcucci), (353) 393
- $\text{Sn}(\text{C}_6\text{H}_4\text{CH}_2\text{NMe}_2\text{-}o)$ , synthesis and crystal structure of; reaction with  $\text{Co}(\eta^5\text{-C}_5\text{H}_5)(\eta^2\text{-C}_2\text{H}_4)_2$  (K. Angermund, K. Jonas, C. Krüger, J.L. Latten, H.-H. Tsay), (353) 17

**Copper**

- $\beta,\beta$ -Disubstituted acrylates, simple three-step synthesis of (V. Calò, L. Lopez, G. Pesce), (353) 405

**Germanium**

- Electron impact induced fragmentation products of  $\text{Si}(\text{C}_6\text{H}_5)_4$ ,  $\text{Ge}(\text{C}_6\text{H}_5)_4$  and  $\text{Sn}(\text{C}_6\text{H}_5)_4$ , structures of (B. Pelli, A. Sturaro, P. Traldi, F. Ossola, M. Porchia, G. Rosetto, P. Zanella), (353) 1

**Iridium**

- $(\eta^5\text{-C}_5\text{H}_5)_2\text{W}_2\text{Ir}_2(\text{CO})_7(\text{CHCO}_2\text{Et})_2$ , crystal structure of (M.R. Churchill, L.V. Biondi), (353) 73
- $[\text{Os}_3\text{M}(\mu\text{-H})_3(\text{CO})_{12}]$  (M = Rh, Ir) mixed metal clusters, synthesis and characterisation of; X-ray structure of  $[\text{Os}_3\text{Rh}(\mu\text{-H})_3(\text{CO})_{12}]$  (P. Sundberg, B. Norén, B.F.G. Johnson, J. Lewis, P.R. Raithby), (353) 383

**Iron**

- Bis-ferrocene calix[4]arene hydrophobic receptor molecules and crystal structure of (P.D. Beer, A.D. Keefe, M.G.B. Drew), (353) C10
- Dicarbonylnitrosyl( $\eta^3$ -propenyl)iron, alkylation of; nature of the reactive intermediate (J.-L.A. Roustan, F. Houlihan), (353) 215

- $[\text{Fe}(\text{CO})_3(\text{C}_6\text{H}_7)]^+$  group, masking of peptide bonds by (L.A.P. Kane-Maguire, R. Kanitz), (353) C33  
 Iron complexes containing carbonyl and sulphur ligands, structural and Mössbauer investigations of (F.J. Berry, C.J. Jones, J.A. McCleverty, J. Sharpe, N.A. Bailey, M. Deadman), (353) 209  
 1,2,3,4,6-Pentamethylfulvene, precursor to substituted transition metal complexes (D.M. Bensley, Jr., E.A. Mintz), (353) 93  
 Tricarbonyl(cyclohexadienyl)iron(1 + ) cations with oxygenated side-chains, preparation of (G.P. Randall, G.R. Stephenson, E.J.T. Chrystal), (353) C47  
 $\text{W}(\text{CO})_5\text{CNH}$ ,  $\text{Fe}(\text{CN})_2(\text{CNH})_4$  and  $[\text{FeCp}(\text{dppe})\text{CNH}]\text{BF}_4$ , reactions with highly alkylated olefins of; hydroisocyanation (E. Bär, W.P. Fehlhammer), (353) 197

## Lithium

- 1,2,3,4,6-Pentamethylfulvene, precursor to substituted transition metal complexes (D.M. Bensley, Jr., E.A. Mintz), (353) 93  
 Phenyllithium and methyl-substituted phenyllithium derivatives,  $^{13}\text{C}$  and  $^7\text{Li}$  NMR study of (E. Wehman, J.T.B.H. Jastrzebski, J.-M. Ernsting, D.M. Grove, G. van Koten), (353) 133  
 Phenyllithium compounds containing *ortho*-directing  $\text{NMe}_2$  and  $\text{CH}_2\text{NMe}_2$  groups,  $^{13}\text{C}$  and  $^7\text{Li}$  NMR study of (E. Wehman, J.T.B.H. Jastrzebski, J.M. Ernsting, D.M. Grove, G. van Koten), (353) 145

## Magnesium

- 1,2,3,4,6-Pentamethylfulvene, precursor to substituted transition metal complexes (D.M. Bensley, Jr., E.A. Mintz), (353) 93

## Manganese

- $\text{Mn}(\eta^5\text{-C}_5\text{H}_4\text{X})(\text{CO})_{3-n}(\text{PPh}_3)_n$  ( $n = 0, 1, 2$ ) complexes, kinetics of photosubstitution of CO and  $\text{PPh}_3$  in (G. Teixeira, T. Aviléz, A.R. Dias, F. Pina), (353) 83

## Metalloenes

- $(\eta^2\text{-Benzylideneaniline})\text{di-}\eta^5\text{-cyclopentadienylmolybdenum}$ , crystal and molecular structure of (J. Okuda, G.E. Herberich, E. Raabe, I. Bernal), (353) 65  
 Bis-ferrocene calix[4]arene hydrophobic receptor molecules and crystal structure of (P.D. Beer, A.D. Keefe, M.G.B. Drew), (353) C10  
 Bis(trimethylsilyl)phosphidobis(tetrahydrofuran)lithium as a reducing agent; X-ray structure of  $[\text{UCp}''(\mu\text{-Cl})_2\text{Li}(\text{THF})_2]$  ( $\text{Cp}'' = \eta\text{-C}_5\text{H}_3(\text{SiMe}_3)_{2-1,3}$ ;  $\text{THF} = \text{OC}_4\text{H}_8$ ) (P.C. Blake, E. Hey, M.F. Lappert, J.L. Atwood, H. Zhang), (353) 307  
 $(\text{RC}_5\text{H}_4)_2\text{Zr}(\text{CH}_2\text{OCH}_3)_2$ , DNMR and thermolysis of; insertion of a methylene group from metal-laioxirane into a Zr-C  $\sigma$ -bond (G. Erker, R. Schlund, M. Albrecht, C. Sarter), (353) C27  
 $\text{Sn}(\text{C}_6\text{H}_4\text{CH}_2\text{NMe}_2\text{-}o)$ , synthesis and crystal structure of; reaction with  $\text{Co}(\eta^5\text{-C}_5\text{H}_5)(\eta^2\text{-C}_2\text{H}_4)_2$  (K. Angermund, K. Jonas, C. Krüger, J.L. Latten, H.-H. Tsay), (353) 17

## Molybdenum

- $(\eta^2\text{-Benzylideneaniline})\text{di-}\eta^5\text{-cyclopentadienylmolybdenum}$ , crystal and molecular structure of (J. Okuda, G.E. Herberich, E. Raabe, I. Bernal), (353) 65  
 $[\text{Mo}(\mu\text{-Br})(\text{C}_5(\text{CH}_3)_5)(\text{CH}_3)(\text{NO})_2]_2$ , air-decomposition of; crystal structure of  $[\text{Mo}(\text{C}_5(\text{CH}_3)_5)(\text{O})_2](\mu\text{-O})$  (P. Gomez-Sal, E. de Jesus, P. Royo, A. Vazquez de Miguel, S. Martinez-Carrera, S. Garcia-Blanco), (353) 191

## Nickel

- Mono[tris(trimethylsilyl)cyclopentadienyl]nickel complexes, synthesis of (J. Okuda), (353) C1  
 Nickel-catalysed electrochemical carboxylation of terminal alkynes, ligand-directed reaction products in (E. Labbé, E. Duñach, J. Périchon), (353) C51

## Niobium

Monocyclopentadienylniobium(V) derivatives with nitrogen and phosphorus donor ligands, synthesis and characterisation of (A.M. Andreu, F.A. Jalón, A. Otero), (353) 185

## Osmium

Acylphosphido and  $\eta^2$ -phosphaalkenyl complexes of osmium (D.S. Bohle, G.R. Clark, C.E.F. Rickard, W.R. Roper), (353) 355

$(\mu\text{-H})\text{Os}_3(\text{CO})_{10}(\mu_3\text{-CPh})$ , reaction with diphenylacetylene of; crystal structure of  $\text{Os}_3(\text{CO})_8(\mu, \eta^2\text{-CPhCHPh})(\mu, \eta^3\text{-C}_3\text{Ph}_3)$  (M.R. Churchill, J.W. Ziller, J.R. Shapley, W.-Y. Yeh), (353) 103

$[\text{MCl}(\text{C}_6\text{H}_4\text{Me-4})(\text{CO})(\text{PPh}_3)_2]$  (M = Ru, Os), reactions of  $\text{SO}_2$  with; role of the adduct  $[\text{OsCl}(\text{C}_6\text{H}_4\text{Me-4})(\text{CO})(\text{PPh}_3)_2(\text{SO}_2)]$  (M. Herberhold, A.F. Hill), (353) 243

$\text{Os}_3(\text{CO})_{10}(\text{NCCH}_3)_2$ , reactions with benzotriazole of (S. Aime, M. Botta, R. Gobetto, D. Osella, F. Padovan), (353) 251

$[\text{Os}_3\text{M}(\mu\text{-H})_3(\text{CO})_{12}]$  (M = Rh, Ir) mixed metal clusters, synthesis and characterisation of; X-ray structure of  $[\text{Os}_3\text{Rh}(\mu\text{-H})_3(\text{CO})_{12}]$  (P. Sundberg, B. Norén, B.F.G. Johnson, J. Lewis, P.R. Raithby), (353) 383

## Palladium

Palladium(II) complexes as catalyst in light-promoted oxidation of terminal alkenes (J. Muzart, P. Pale, J.-P. Pete), (353) 267

## Phosphorus

Acylphosphido and  $\eta^2$ -phosphaalkenyl complexes of osmium (D.S. Bohle, G.R. Clark, C.E.F. Rickard, W.R. Roper), (353) 355

Bis(trimethylsilyl)phosphidobis(tetrahydrofuran)lithium as a reducing agent; X-ray structure of  $[\text{UCp}_2''(\mu\text{-Cl})_2\text{Li}(\text{THF})_2]$  ( $\text{Cp}'' = \eta\text{-C}_5\text{H}_3(\text{SiMe}_3)_2\text{-1,3}$ ;  $\text{THF} = \text{OC}_4\text{H}_8$ ) (P.C. Blake, E. Hey, M.F. Lappert, J.L. Atwood, H. Zhang), (353) 307

Chromium(III) and chromium(IV)  $\pi$ -aromatic complexes, preparation and structures of (W.A. Herrmann, W.R. Thiel, E. Herdtweck), (353) 323

$\text{Mn}(\eta^5\text{-CH}_3\text{C}_5\text{H}_4)(\text{CO})_{3-n}(\text{PPh}_3)_n$  ( $n = 0, 1, 2$ ) complexes, kinetics of photosubstitution of CO and  $\text{PPh}_3$  in (G. Teixeira, T. Aviléz, A.R. Dias, F. Pina), (353) 83

Monotrakis(trimethylsilyl)cyclopentadienylnickel complexes, synthesis of (J. Okuda), (353) C1

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, W. Clegg), (353) C23

*trans*- $[\text{PtCl}(\text{COCH}_2\text{CH}_2\text{Ph})(\text{PPh}_3)_2] \cdot \text{EtOH}$ , isolation and molecular structure of; intermediate in hydroformylation styrene promoted catalytic system (R. Graziani, G. Cavinato, U. Casellato, L. Toniolo), (353) 125

$[\text{Ru}(\text{CO})\text{Cl}(\text{HC}=\text{CHR})(\text{PPh}_3)_2]$  (R =  $n\text{-C}_3\text{H}_7$ ,  $\text{CMe}_3$ ,  $\text{SiMe}_3$ , Ph) addition reactions with 3,5-dimethylpyrazole of, crystal structure of  $[\text{Ru}(\text{CO})\text{Cl}(\text{HC}=\text{CHC}_3\text{H}_7)(\text{PPh}_3)_2(\text{Me}_2\text{Hpz})]$  (M.R. Torres, A. Santos, A. Perales, J. Ros), (353) 221

Ruthenium(II) monomeric complexes containing diazene and isocyanide ligands: preparation and properties of; crystal structure of  $[\text{Ru}(4\text{-CH}_3\text{C}_6\text{H}_4\text{N}=\text{NH})(4\text{-CH}_3\text{C}_6\text{H}_4\text{NC})(\text{P}(\text{OEt})_3)_4](\text{PF}_6)_2$  (G. Albertin, S. Antoniutti, E. Bordignon, G. Pelizzi, F. Vitali), (353) 229

Trinuclear ruthenium clusters with  $\mu_3\text{-S}$  and  $\mu_3\text{-PR}$  bridges (E. Lindner, H. Rothfuss), (353) C42

$\text{W}(\text{CO})_5\text{CNH}$ ,  $\text{Fe}(\text{CN})_2(\text{CNH})_4$  and  $[\text{FeCp}(\text{dppe})\text{CNH}]\text{BF}_4$ , reactions with highly alkylated olefins of; hydroisocyanation (E. Bär, W.P. Fehlhammer), (353) 197

## Platinum

*trans*- $[\text{PtCl}(\text{COCH}_2\text{CH}_2\text{Ph})(\text{PPh}_3)_2] \cdot \text{EtOH}$ , isolation and molecular structure of; intermediate in hydroformylation styrene promoted catalytic system (R. Graziani, G. Cavinato, U. Casellato, L. Toniolo), (353) 125

## Rhodium

- Arylnitroso nitrogen-bonded complex, crystal structure of  $\text{RhCl}(\text{NBD})(p\text{-BrC}_6\text{H}_4\text{NO})$  (G. Vasapollo, A. Sacco, C.F. Nobile, M.A. Peilinghelli, M. Lanfranchi), (353) 119
- $[(\text{CH}_3\text{C}(\text{CH}_2\text{PPh}_2)_3)_2(\mu\text{-CO})_2] \cdot (\text{CH}_3)_2\text{CO}$  dimer, reactivity of the metal-metal bond in; synthesis and X-ray structure of a paramagnetic dinuclear rhodium complex (F. Ceconi, C.A. Ghilardi, S. Midollini, A. Orlandini, P. Zanello, B.T. Heaton, L. Huang, J.A. Iggo, S. Bordoni), (353) C5
- $[\text{Os}_3\text{M}(\mu\text{-H})_3(\text{CO})_{12}]$  (M = Rh, Ir) mixed metal clusters, synthesis and characterisation of; X-ray structure of  $[\text{Os}_3\text{Rh}(\mu\text{-H})_3(\text{CO})_{12}]$  (P. Sundberg, B. Norén, B.F.G. Johnson, J. Lewis, P.R. Raithby), (353) 383
- Rhodium-zirconium and rhodium-titanium cationic bimetallic complexes, characterisation and catalytic activation of (R. Choukroun, A. Iraqi, C. Rifai, D. Gervais), (353) 45
- Surface-supported metal carbonyl clusters, IR investigation of behaviour of  $\text{Rh}_6(\text{CO})_{16}$  supported on decarbonated magnesium oxide (C. Dossi, R. Psaro, R. Ugo), (353) 259

## Ruthenium

- Dodecacarbonyltriruthenium, hydride addition to; synthesis and characterization of the transient formyl cluster complex  $\text{Ru}_3(\text{CO})_{11}(\text{CHO})^-$  (J.A. Partin, M.G. Richmond), (353) C13
- $(\mu\text{-H})_2\text{Ru}_3(\mu_3\text{-}\eta^2\text{-CHC}(\text{O})\text{OCH}_3)(\text{CO})_8(\text{PPh}_3)$ , synthesis, characterization, and crystal structure of (T.S. Janik, M.R. Churchill, T.P. Duggan, J.B. Keister), (353) 343
- $[\text{MCl}(\text{C}_6\text{H}_4\text{Me-4})(\text{CO})(\text{PPh}_3)_2]$  (M = Ru, Os), reactions of  $\text{SO}_2$  with; role of the adduct  $[\text{OsCl}(\text{C}_6\text{H}_4\text{Me-4})(\text{CO})(\text{PPh}_3)_2(\text{SO}_2)]$  (M. Herberhold, A.F. Hill), (353) 243
- $[\text{Ru}(\text{CO})\text{Cl}(\text{HC}=\text{CHR})(\text{PPh}_3)_2]$  (R =  $n\text{-C}_3\text{H}_7$ ,  $\text{CMe}_3$ ,  $\text{SiMe}_3$ , Ph) addition reactions with 3,5-dimethylpyrazole of, crystal structure of  $[\text{Ru}(\text{CO})\text{Cl}(\text{HC}=\text{CHC}_3\text{H}_7)(\text{PPh}_3)_2(\text{Me}_2\text{Hpz})]$  (M.R. Torres, A. Santos, A. Perales, J. Ros), (353) 221
- Ruthenium(II) monomeric complexes containing diazene and isocyanide ligands: preparation and properties of; crystal structure of  $[\text{Ru}(4\text{-CH}_3\text{C}_6\text{H}_4\text{N}=\text{NH})(4\text{-CH}_3\text{C}_6\text{H}_4\text{NC})\{\text{P}(\text{OEt})_3\}_4(\text{PF}_6)_2]$  (G. Albertin, S. Antoniutti, E. Bordignon, G. Pelizzi, F. Vitali), (353) 229
- Trinuclear ruthenium clusters with  $\mu_3\text{-S}$  and  $\mu_3\text{-PR}$  bridges (E. Lindner, H. Rothfuss), (353) C42

## Samarium

- Bis(pentamethylcyclopentadienyl)samarium dimethoxyethane, synthesis and crystal structure of (S.J. Swamy, J. Loebel, J. Pickardt, H. Schumann), (353) 27

## Selenium

- Cyclopentadienylcobalt 1,2-diselenolene complexes, preparation and properties of (C.P. Morley, R.R. Vaughan, B.J. Wheatley), (353) C39

## Silicon

- Bis(trimethylsilyl)phosphidobis(tetrahydrofuran)lithium as a reducing agent; X-ray structure of  $[\text{UCp}''_2(\mu\text{-Cl})_2\text{Li}(\text{THF})_2]$  ( $\text{Cp}'' = \eta\text{-C}_5\text{H}_3(\text{SiMe}_3)_{2-1,3}$ ;  $\text{THF} = \text{OC}_4\text{H}_8$ ) (P.C. Blake, E. Hey, M.F. Lappert, J.L. Atwood, H. Zhang), (353) 307
- Dichloroneopentylsilane, formation and [2 + 4] cycloaddition of (N. Auner), (353) 275
- Electron impact induced fragmentation products of  $\text{Si}(\text{C}_6\text{H}_5)_4$ ,  $\text{Ge}(\text{C}_6\text{H}_5)_4$  and  $\text{Sn}(\text{C}_6\text{H}_5)_4$ , structures of (B. Pelli, A. Sturaro, P. Traldi, F. Ossola, M. Porchia, G. Rosetto, P. Zanello), (353) 1
- Mono[tris(trimethylsilyl)cyclopentadienyl]nickel complexes, synthesis of (J. Okuda), (353) C1
- $\beta$ -Siloxy-carbenoids, stereoselective formation and reactions of (R.W. Hoffmann, M. Julius), (353) C30
- Tetrakis(hydroxydimethylsilyl)methane, crystal structure of (S.S. Al-Juaid, C. Eaborn, P.B. Hitchcock, P.D. Lickiss), (353) 297

## Sulphur

- Arenetricarbonylchromium complexes, nucleophilic aromatic substitution in (F. Rose-Munch, E. Rose, A. Semra, Y. Jeannin, F. Robert), (353) 53
- Di(2-iodo-2 $\lambda^4$ -benzotelluro-2-yl diethylthiocarbamate), [C<sub>8</sub>H<sub>8</sub>Te(I)(S<sub>2</sub>CNEt<sub>2</sub>)]<sub>2</sub>, crystal structure of (D. Dakternieks, R. Di Giacomo, R.W. Gable, B.F. Hoskins), (353) 35
- Iron complexes containing carbonyl and sulphur ligands, structural and Mössbauer investigations of (F.J. Berry, C.J. Jones, J.A. McCleverty, J. Sharpe, N.A. Bailey, M. Deadman), (353) 209
- Trinuclear ruthenium clusters with  $\mu_3$ -S and  $\mu_3$ -PR bridges (E. Lindner, H. Rothfuss), (353) C42

## Tantalum

- Phosphine-assisted synthesis of ( $\eta$ -C<sub>5</sub>Me<sub>5</sub>)Ta(CO)<sub>4</sub>, isolation and crystal structure of intermediate ( $\eta$ -C<sub>5</sub>Me<sub>5</sub>)TaCl<sub>2</sub>(CO)<sub>2</sub>(PMe<sub>3</sub>) (V.C. Gibson, T.P. Kee, W. Clegg), (353) C23

## Tellurium

- Di(2-iodo-2 $\lambda^4$ -benzotelluro-2-yl diethylthiocarbamate), [C<sub>8</sub>H<sub>8</sub>Te(I)(S<sub>2</sub>CNEt<sub>2</sub>)]<sub>2</sub>, crystal structure of (D. Dakternieks, R. Di Giacomo, R.W. Gable, B.F. Hoskins), (353) 35

## Thallium

- Rhodium-zirconium and rhodium-titanium cationic bimetallic complexes, characterisation and catalytic activation of (R. Choukroun, A. Iraqi, C. Rifai, D. Gervais), (353) 45

## Tin

- Chiral homoallylic alcohols from aldehydes and diallyltin dibromide in the presence of monosodium (+)-diethyl tartrate, synthesis of (C. Boga, D. Savoia, E. Tagliavini, C. Trombini, A. Umani-Ronchi), (353) 177
- Dibutyl-, tributyl- and triphenyl-tin esters of *p*-methoxy *trans*-cinnamic acid, synthesis and spectra of (H.K. Sharma, S.K.K. Sharma, K.C. Molloy, P.C. Waterfield), (353) 9
- Diethylhalotin(IV)-imidazole and -pyrazole complexes, crystal structure of dibromobis(pyrazole)diethyltin(IV) (A. Sánchez González, B. Alberte, J.S. Casas, J. Sordo, A. Castiñeiras, W. Hiller, J. Strähle), (353) 169
- Dodecacarbonyltriruthenium, hydride addition to; synthesis and characterization of the transient formyl cluster complex Ru<sub>3</sub>(CO)<sub>11</sub>(CHO)<sup>-</sup> (J.A. Partin, M.G. Richmond), (353) C13
- Electron impact induced fragmentation products of Si(C<sub>6</sub>H<sub>5</sub>)<sub>4</sub>, Ge(C<sub>6</sub>H<sub>5</sub>)<sub>4</sub> and Sn(C<sub>6</sub>H<sub>5</sub>)<sub>4</sub>, structures of (B. Pelli, A. Sturaro, P. Traldi, F. Ossola, M. Porchia, G. Rosetto, P. Zanella), (353) 1
- trans*-[PtCl(COCH<sub>2</sub>CH<sub>2</sub>Ph)(PPh<sub>3</sub>)<sub>2</sub>]·EtOH, isolation and molecular structure of; intermediate in hydroformylation styrene promoted catalytic system (R. Graziani, G. Cavinato, U. Casellato, L. Toniolo), (353) 125
- Sn(C<sub>6</sub>H<sub>4</sub>CH<sub>2</sub>NMe<sub>2</sub>-*o*), synthesis and crystal structure of; reaction with Co( $\eta^5$ -C<sub>5</sub>H<sub>5</sub>)( $\eta^2$ -C<sub>2</sub>H<sub>4</sub>)<sub>2</sub> (K. Angermund, K. Jonas, C. Krüger, J.L. Latten, H.-H. Tsay), (353) 17

## Titanium

- Bis(trimethylsilyl)phosphidobis(tetrahydrofuran)lithium as a reducing agent; X-ray structure of [UCp<sub>2</sub>'( $\mu$ -Cl)<sub>2</sub>Li(THF)<sub>2</sub>] (Cp' =  $\eta$ -C<sub>5</sub>H<sub>5</sub>(SiMe<sub>3</sub>)<sub>2</sub>-1,3; THF = OC<sub>4</sub>H<sub>8</sub>) (P.C. Blake, E. Hey, M.F. Lappert, J.L. Atwood, H. Zhang), (353) 307

## Tungsten

- ( $\eta^5$ -C<sub>5</sub>H<sub>5</sub>)<sub>2</sub>W<sub>2</sub>Ir<sub>2</sub>(CO)<sub>7</sub>(CHCO<sub>2</sub>Et)<sub>2</sub>, crystal structure of (M.R. Churchill, L.V. Biondi), (353) 73
- Tricarbonyl( $\eta^6$ -cyclooctatetraene)-chromium and -tungsten, two-dimensional NMR exchange spec-

troscopy of (E.W. Abel, K.G. Orrell, K.B. Qureshi, V. Šik, D. Stephenson), (353) 337  
 $W(CO)_5CNH$ ,  $Fe(CN)_2(CNH)_4$  and  $[FeCp(dppe)CNH]BF_4$ , reactions with highly alkylated olefins of;  
 hydroisocyanation (E. Bär, W.P. Fehlhammer), (353) 197

## Uranium

Bis(trimethylsilyl)phosphidobis(tetrahydrofuran)lithium as a reducing agent; X-ray structure of  $[UCp_2''(\mu-Cl)_2Li(THF)_2]$  ( $Cp'' = \eta-C_5H_3(SiMe_3)_2-1,3$ ;  $THF = OC_4H_8$ ) (P.C. Blake, E. Hey, M.F. Lappert, J.L. Atwood, H. Zhang), (353) 307

## Vanadium

Tetracarbonyl- $h^5$ -cyclopentadienylvanadium ring-substituted complexes, hydrazine derivatives of (C. Woitha, D. Rehder), (353) 315

## Zinc

Organozinc derivative of  $\alpha$ -bromomethyl ethylacrylate, reactivity of (N. El Alami, C. Belaud, J. Villieras), (353) 157

## Zirconium

$(RC_5H_4)_2Zr(CH_2OCH_3)_2$ , DNMR and thermolysis of; insertion of a methylene group from metal-laoxirane into a Zr-C  $\sigma$ -bond (G. Erker, R. Schlund, M. Albrecht, C. Sarter), (353) C27

Rhodium-zirconium and rhodium-titanium cationic bimetallic complexes, characterisation and catalytic activation of (R. Choukroun, A. Iraqi, C. Rifai, D. Gervais), (353) 45

## Book reviews

Gmelin handbook of inorganic chemistry, 8th, edit., Cu — Organocopper compounds (C. Eaborn), (353) C18

Handbook on toxicity of inorganic compounds; edited by H.G. Seiler and H. Sigel with A. Sigel (P.A. Chaloner), (353) C17

Small ring compounds in organic synthesis III, Topics in current chemistry, Vol. 44, contributions from J.R.Y. Salaün, H.-U. Reissig and M.S. Baird (P.A. Chaloner), (353) C45

The role of oxygen in chemistry and biochemistry (Studies in Inorganic Chemistry 33); edited by W. Ando and Y. Moro-oka (M.F. Lappert), (353) C19

Topics in current chemistry, Vol. 146, Physical Organic Chemistry, contributions by G. Boche, G. Kaupp, E. Masimov, M. Rabinovitz and B. Zaslavsky (P.A. Chaloner), (353) C20