

## SUBJECT INDEX

**Antimony**

Benzylidene(pentacarbonyl)tungsten complexes, reactions with trimethylphosphite, triphenylarsane and triphenylstibane of (H. Fischer, J. Schmid), (306) 203

**Arsenic**

Benzylidene(pentacarbonyl)tungsten complexes, reactions with trimethylphosphite, triphenylarsane and triphenylstibane of (H. Fischer, J. Schmid), (306) 203

Copper- and silver-ruthenium clusters containing asymmetric bidentate ligands  $\text{Ph}_2\text{As}(\text{CH}_2)_n\text{PPh}_2$  ( $n = 1, 2$ ), synthesis and dynamic behaviour of (S.S.D. Brown, P.J. McCarthy, I.D. Salter), (306) C27

**Boron**

Diazaboracyclopropane, synthesis and crystal structure analysis of (R. Boese, U. Klingebiel), (306) 295

Hydroboration of *N*-alkylallylphosphoramides, regio- and stereo-selectivity of (Z. Benmaarouf-Khallaayoun, M. Baboulène, V. Spéziale, A. Lattes), (306) 283

**Chromium**

Phosphinidene and diphosphene complexes, preparation of three-membered PPP, PPN and PPS cyclic ligands from (J. Borm, G. Huttner, O. Orama), (306) 29

Siloxaphenanthrene coordination with tricarbonylchromium; crystal and molecular structure of [1-4*a*(10*a*)- $\eta$ -10,10-dimethyl-10-sila-9-oxa-9,10-dihydrophenanthrene]chromium and tricarbonyl[5-8*a*(4*b*)- $\eta$ -10,10-dimethyl-10-sila-9-oxa-9,10-dihydrophenanthrene]-chromium (N.I. Kirillova, A.I. Gusev, V.A. Sharapov, O.B. Afanasova, Yu.E. Zubarev, N.V. Alekseev, E.A. Chernychev, Yu.T. Struchkov), (306) 55

**Cobalt**

Alkynehexacarbonyldicobalt complexes, isomerisation by perpendicular-to-parallel twist of the alkyne of (H. Pepermans, C. Hoogzand, P. Geerlings), (306) 395

[ $\eta^4$ -2,5-Bis(trimethylsilyl)cyclopentadienone( $\eta^5$ -cyclopentadienyl)cobalt], structure of (J.H. Bieri, A.S. Dreiding, T.C.C. Gartenmann, E.R.F. Gesing, R.W. Kunz, R. Prewo), (306) 241

Dodecacarbonyl-tetrahodium, -dicobaltdirhodium, -tricobaltrhodium and -tetracobalt clusters, thermal decomposition of (R. Pince, R. Queau, D. Labroue), (306) 251

Ethylene(hydrido)metal complexes ( $M = \text{Ru, Os, Ir, Co}$ ), stepwise preparation of (H. Werner, H. Kletzin, A. Höhn, W. Paul, W. Knaup, M.L. Ziegler, O. Serhadli), (306) 227

Tridecacarbonylnitridohexacarbonylcobalt,  $[\text{Co}_6\text{-N}(\text{CO})_{13}]$ , synthesis and characterisation of (G. Ciani, S. Martinengo), (306) C49

**Copper**

Copper- and silver-ruthenium clusters containing asymmetric bidentate ligands  $\text{Ph}_2\text{As}(\text{CH}_2)_n\text{-PPh}_2$  ( $n = 1, 2$ ), synthesis and dynamic behaviour of (S.S.D. Brown, P.J. McCarthy, I.D. Salter), (306) C27

**Germanium**

Alkoxygermanes,  $^{73}\text{Ge}$ ,  $^{17}\text{O}$  and  $^{13}\text{C}$  NMR spectra of (E. Liepiņš, I. Zicmane, E. Lukevics), (306) 327

Phenylated trigermanes, preparation of (M. Dräger, D. Simon), (306) 183

**Iridium**

Ethylene(hydrido)metal complexes ( $M = \text{Ru, Os, Ir, Co}$ ), stepwise preparation of (H. Werner, H. Kletzin, A. Höhn, W. Paul, W. Knaup, M.L. Ziegler, O. Serhadli), (306) 227

Phosphine-rhodium(I) and -iridium(I) complexes, asymmetric transfer hydrogenation of ketones catalysed by (R. Spogliarich, J. Kašpar, M. Graziani, F. Morandini), (306) 407

## Iron

Bis[ $\mu$ -2,6-dimethylphenylisocyanide](cyclopentadienyl)(2,6-dimethylphenylisocyanide)iron-(I), X-ray structural characterisation and solution dynamics of (M.D. Albers, A.A. Chalmers, G.J. Kruger, D.C. Liles, H.E. Oosthuizen, E. Singleton, N.J. Coville), (306) 385

$(\mu\text{-CH}_2)(\mu\text{-CO})(\eta^5\text{-C}_5\text{H}_5\text{Fe}(\text{CO})_2)_2$ ,  $^1\text{H}$  NMR study of reversible *cis/trans* isomerisation of (M.I. Altbach, C.A. Muedas, R.P. Korswagen, M.L. Ziegler), (306) 375

Dicarbonylcyclopentadienyliron-substituted phosphalkene with Fe-P bonds, synthesis and structure of (L. Weber, K. Reizig, M. Frebel, R. Boese, M. Polk), (306) 105

$[\text{Fe}_2(\eta\text{-C}_5\text{H}_5)_2(\text{CO})_2(\text{CNMe})(\text{CN}(\text{Me})\text{H})]^+$ , anion control of the reaction products with  $\text{Ag}^+$  salts of (B. Callan, A.R. Manning), (306) C61

Ferrocene derivatives, electronic structure studied by He(I) photoelectron spectroscopy and CNDO/2 method of (T. Vondrák), (306) 89

Fluxional cryptands containing metallocene units (P.J. Hammond, P.D. Beer, C. Dudman, I.P. Danks, C.D. Hall, J. Knychala, M.C. Gossel), (306) 367

Nonacarbonyldiiron in reactions with  $\text{C}_5\text{H}_5\text{Rh}(\text{PhC}\equiv\text{CH})\text{PPr}_3$ , competitive formation of heterometallic dinuclear complexes with  $\mu\text{-C}=\text{CHPh}$  and  $\mu\text{-}\eta^1, \eta^3\text{-CHCPhCO}$  bridging ligands (H. Otto, F.J. Garcia Alonso, H. Werner), (306) C13

Tricarbonyl(1-aza-1,3-butadiene)iron complexes,  $[\text{Fe}(\text{CO})_3(\text{R}'\text{N}=\text{CHCH}=\text{CHPh})]$ , mechanism of photochemistry in  $\text{CH}_4$  matrices at 10 K and in solution at 293 K of (M.W. Kokkes, P.C.J. Beentjes, D.J. Stufkens, A. Oskam), (306) 77

Tricarbonyliron complexes of *para*-quinodimethane and related conjugated hydrocarbons, theoretical studies of (H. Vogler), (306) 99

## Lead

Phenyltin(IV) and phenyllead(IV) halides hexamethylphosphoramide adducts, fast atom

bombardment mass spectrometry of (J.M. Miller, H. Mondal, I. Wharf, M. Onyszchuk), (306) 193

Triorganotin and triorganolead methyloxalates, preparation and structure of (A. Glowacki, F. Huber, H. Preut), (306) 9

## Lithium

Bis(tetramethylethylenediamine)lithium tetrakis-(*t*-butyllutetate(III)), synthesis, molecular structure and reactive behaviour towards  $\alpha, \beta$ -unsaturated carbonylic compounds of (H. Schumann, W. Genthe, E. Hahn, J. Pickardt, H. Schwarz, K. Eckart), (306) 215

*n*-Butylpotassium, preparation, synthetic use and NMR properties in hexane and THF solutions of (R. Pi, W. Bauer, B. Brix, C. Schade, P.v.R. Schleyer), (306) C1

Phenylated trigermanes, preparation of (M. Dräger, D. Simon), (306) 183

Trimethylstannyllithium mediated synthesis of 2-, 3- and 4-trimethylstannylcyclohexanols (A. Ricci, M. Taddei, G. Seconi), (306) 23

## Lutetium

Bis(tetramethylethylenediamine)lithium tetrakis-(*t*-butyllutetate(III)), synthesis, molecular structure and reactive behaviour towards  $\alpha, \beta$ -unsaturated carbonylic compounds of (H. Schumann, W. Genthe, E. Hahn, J. Pickardt, H. Schwarz, K. Eckart), (306) 215

$(\eta^5\text{-C}_5\text{H}_5)_2\text{LuCl}\cdot\text{OC}_4\text{H}_8$ , formation and X-ray crystal structure of (C. Ni, Z. Zhang, D. Deng, C. Qian), (306) 209

## Manganese

$\text{C}_5\text{Me}_5(\text{CO})(\text{L})\text{Mn}(\text{H})\text{SiR}_3$  complexes, structural chemistry and  $^{29}\text{Si}$  NMR spectroscopy of (U. Schubert, G. Scholz, J. Müller, K. Ackermann, B. Wörle, R.F.D. Stansfield), (306) 303

Decacarbonyldimanganese, mechanism of photochemistry in the presence of *para*- and *ortho*-quinones of (A. Vlček, Jr.), (306) 63

## Mercury

Bis(phenylmercuric)oxonium tetrafluoroborate hydrate,  $[(\text{PhHg})_2\text{OH}][\text{BF}_4]\cdot\text{H}_2\text{O}$ , prepara-

tion and X-ray structure of (B.K. Nicholson, A.J. Whitton), (306) 139

- Cyanomercuriomethanes, vibrational spectra and force fields of (J. Mink, D.K. Breiting, W. Kress, W. Morell, R. Sendelbeck), (306) 273
- Trimercurated acid derivatives, crystal structures of  $[\text{Hg}(\text{H}_2\text{OHg})(\text{NO}_3)_2]\text{NO}_3$  and  $2(\text{NO}_3\text{Hg})_3\text{CCOOH} \cdot \text{HNO}_3$  (D. Grdenić, M. Sikirica, D. Matković-Čalogović), (306) 1

## Metalloenes

- Bis( $\eta$ -styrene)molybdenum, synthesis and polymerisation of; crystal structures of  $\text{Mo}(\eta\text{-C}_6\text{H}_5\text{CH}_2\text{CH}=\text{CH}_2)_2$  and  $[\text{Mo}(\eta\text{-C}_6\text{H}_5\text{-SiMe}_2\text{H})_2\text{BF}_4]$  (M.L.H. Green, I. Treurnicht, J.A. Bandy, A. Gourdon, K. Prout), (306) 145
- $[\eta^4\text{-2,5-Bis(trimethylsilyl)cyclopentadienone}(\eta^5\text{-cyclopentadienyl})\text{cobalt}]$ , structure of (J.H. Bieri, A.S. Dreiding, T.C.C. Gartenmann, E.R.F. Gesing, R.W. Kunz, R. Prew), (306) 241
- Ferrocene derivatives, electronic structure studied by He(I) photoelectron spectroscopy and CNDO/2 method of (T. Vondrák), (306) 89
- Fluxional cryptands containing metallocene units (P.J. Hammond, P.D. Beer, C. Dudman, I.P. Danks, C.D. Hall, J. Knychala, M.C. Groschel), (306) 367
- Ruthenocene-carboxylic and -boronic acids, separation and identification of; detection of alkali metal cations (T. Wilczewski), (306) 125
- Ruthenocene fluxional bis-crown ethers, synthesis of (P.D. Beer, A.D. Keefe), (306) C10

## Molybdenum

- Bis( $\eta$ -styrene)molybdenum, synthesis and polymerisation of; crystal structures of  $\text{Mo}(\eta\text{-C}_6\text{H}_5\text{CH}_2\text{CH}=\text{CH}_2)_2$  and  $[\text{Mo}(\eta\text{-C}_6\text{H}_5\text{-SiMe}_2\text{H})_2\text{BF}_4]$  (M.L.H. Green, I. Treurnicht, J.A. Bandy, A. Gourdon, K. Prout), (306) 145
- Phosphinidene and diphosphene complexes, preparation of three-membered PPP, PPN and PPS cyclic ligands from (J. Borm, G. Huttner, O. Orama), (306) 29
- Tris(triaminophosphino)tricarbonylmolybdenum, *fac*- $[(i\text{-PrNH})_3\text{P}]_3\text{Mo}(\text{CO})_3$ , synthesis of (H.-J. Chen, A. Tarassoli, V.S. Allured, R.C. Haltiwanger, A.D. Norman), (306) C19

## Osmium

- Carbonylruthenium complexes of *cis*-1,2-bis(diphenylphosphino)ethene, preparation of; X-ray structure of  $\text{Ru}_2\{\mu\text{-C}_2\text{H}_2(\text{PPh}_2)_2\}(\text{CO})_6$  (M.I. Bruce, M.L. Williams, B.W. Skelton, A.H. White), (306) 115
- Ethylene(hydrido)metal complexes (M = Ru, Os, Ir, Co), stepwise preparation of (H. Werner, H. Kletzin, A. Höhn, W. Paul, W. Knaup, M.L. Ziegler, O. Serhadli), (306) 227
- Osmium and ruthenium complexes, mechanism of homogeneous hydrogenation of carbon monoxide catalysed by (D.S. Barratt, D.J. Cole-Hamilton), (306) C41
- Ruthenocene-carboxylic and -boronic acids, separation and identification of; detection of alkali metal cations (T. Wilczewski), (306) 125

## Palladium

- Dichloro- and diacetoxy-allylic compounds, reduction with tributyltin hydride in the presence or absence of a palladium catalyst of (F. Guibé, A.-M. Zigna, G. Balavoine), (306) 257
- Sulphur ylide complexes of palladium, preparation by phase transfer catalysis of (I.J.B. Lin, H.Y.C. Lai, S.C. Wu, L. Hwan), (306) C24
- 1,1,1,4-Tetrachlorobut-2-ene, reduction with tributyltin hydride in the presence or absence of a palladium catalyst of (F. Guibé, Y.T. Xian, G. Balavoine), (306) 267

## Phosphorus

- Benzylidene(pentacarbonyl)tungsten complexes, reactions with trimethylphosphite, triphenylarsane and triphenylstibane of (H. Fischer, J. Schmid), (306) 203
- Carbonylruthenium complexes of *cis*-1,2-bis(diphenylphosphino)ethene, preparation of; X-ray structure of  $\text{Ru}_2\{\mu\text{-C}_2\text{H}_2(\text{PPh}_2)_2\}(\text{CO})_6$  (M.I. Bruce, M.L. Williams, B.W. Skelton, A.H. White), (306) 115
- $\text{C}_5\text{Me}_5(\text{CO})(\text{L})\text{Mn}(\text{H})\text{SiR}_3$  complexes, structural chemistry and  $^{29}\text{Si}$  NMR spectroscopy of (U. Schubert, G. Scholz, J. Müller, K. Ackermann, B. Wörle, R.F.D. Stansfield), (306) 303
- Copper- and silver-ruthenium clusters containing asymmetric bidentate ligands  $\text{Ph}_2\text{As}(\text{CH}_2)_n\text{-PPh}_2$  ( $n = 1, 2$ ), synthesis and dynamic be-

- haviour of (S.S.D. Brown, P.J. McCarthy, I.D. Salter), (306) C27
- Cyclopentadienylruthenium alkoxy carbene, stereochemical aspects of conversion to acetylide complexes of; crystal structure of  $[(\eta\text{-C}_5\text{H}_5)_2\text{Ru}(\text{Ph}_2\text{PCHMeCHMePPh}_2)(\text{C}=\text{CPh})]$  (G. Consiglio, F. Morandini, A. Sironi), (306) C45
- Dicarbonylcyclopentadienyliron-substituted phosphalkene with Fe-P bonds, synthesis and structure of (L. Weber, K. Reizig, M. Frebel, R. Boese, M. Polk), (306) 105
- Ethylene(hydrido)metal complexes (M = Ru, Os, Ir, Co), stepwise preparation of (H. Werner, H. Kletzin, A. Höhn, W. Paul, W. Knaup, M.L. Ziegler, O. Serhadli), (306) 227
- Hydroboration of *N*-alkylallylphosphoramidate, regio- and stereoselectivity of (Z. Benmaarouf-Khallaayoun, M. Baboulène, V. Speziale, A. Lattes), (306) 283
- Nonacarbonyldiiron in reactions with  $\text{C}_5\text{H}_5\text{Rh}(\text{PhC}\equiv\text{CH})\text{PPR}_3$ , competitive formation of heterometallic dinuclear complexes with  $\mu\text{-C}=\text{CHPh}$  and  $\mu\text{-}\eta^1, \eta^3\text{-CHCPhCO}$  bridging ligands (H. Otto, F.J. Garcia Alonso, H. Werner), (306) C13
- Osmium and ruthenium complexes, mechanism of homogeneous hydrogenation of carbon monoxide catalysed by (D.S. Barratt, D.J. Cole-Hamilton), (306) C41
- Phosphaalkynes, preparation and additive behaviour towards diazomethane, methyl azide and benzonitrile oxide of (W. Rösch, U. Vogelbacher, T. Allspach, M. Regitz), (306) 39
- Phosphine-rhodium(I) and -iridium(I) complexes, asymmetric transfer hydrogenation of ketones catalysed by (R. Spogliarich, J. Kašpar, M. Graziani, F. Morandini), (306) 407
- Phosphinidene and diphosphene complexes, preparation of three-membered PPP, PPN and PPS cyclic ligands from (J. Borm, G. Huttner, O. Orama), (306) 29
- Rhenium(I) tetrahydroborate complex, *cis*- $[\text{Re}(\eta^2\text{-BH}_4)(\text{Ph}_2\text{PCH}_2\text{CH}_2\text{PPh}_2)_2]$ , preparation of (A.J.L. Pombeiro, R.L. Richards), (306) C33
- trans*- $[\text{RhX}(\text{CO})(\text{PR}_3)_2]$  (X = Cl, Br; R = aryl) and *trans*- $[\text{Rh}(\mu\text{-X})(\text{CO})(\text{PPh}_3)]_2$  (X = Cl, I), oxidative addition of 1-haloalkanes to (F.R. Hartley, S.G. Murray, D.M. Potter, J.R. Chipperfield), (306) 133
- Tris(triaminophosphino)tricarbonylmolybdenum,  $[(i\text{-PrNH})_3\text{P}]_3\text{Mo}(\text{CO})_3$ , synthesis of (H.-J. Chen, A. Tarassoli, V.S. Allured, R.C. Haltiwanger, A.D. Norman), (306) C19

## Potassium

- n*-Butylpotassium, preparation, synthetic use and NMR properties in hexane and THF solutions of (R. Pi, W. Bauer, B. Brix, C. Schade, P.v.R. Schleyer), (306) C1
- Phenylated trigermanes, preparation of (M. Dräger, D. Simon), (306) 183

## Rhenium

- Rhenium(I) tetrahydroborate complex, *cis*- $[\text{Re}(\eta^2\text{-BH}_4)(\text{Ph}_2\text{PCH}_2\text{CH}_2\text{PPh}_2)_2]$ , preparation of (A.J.L. Pombeiro, R.L. Richards), (306) C33

## Rhodium

- Dodecacarbonyl-tetraheterorhodium, -dicobaltdirhodium, -tricaltrrhodium and -tetracobalt clusters, thermal decomposition of (R. Pince, R. Queau, D. Labroue), (306) 251
- Ethylene(hydrido)metal complexes (M = Ru, Os, Ir, Co), stepwise preparation of (H. Werner, H. Kletzin, A. Höhn, W. Paul, W. Knaup, M.L. Ziegler, O. Serhadli), (306) 227
- Nonacarbonyldiiron in reactions with  $\text{C}_5\text{H}_5\text{Rh}(\text{PhC}\equiv\text{CH})\text{PPR}_3$ , competitive formation of heterometallic dinuclear complexes with  $\mu\text{-C}=\text{CHPh}$  and  $\mu\text{-}\eta^1, \eta^3\text{-CHCPhCO}$  bridging ligands (H. Otto, F.J. Garcia Alonso, H. Werner), (306) C13
- Phosphine-rhodium(I) and -iridium(I) complexes, asymmetric transfer hydrogenation of ketones catalysed by (R. Spogliarich, J. Kašpar, M. Graziani, F. Morandini), (306) 407
- trans*- $[\text{RhX}(\text{CO})(\text{PR}_3)_2]$  (X = Cl, Br; R = aryl) and *trans*- $[\text{Rh}(\mu\text{-X})(\text{CO})(\text{PPh}_3)]_2$  (X = Cl, I) oxidative addition of 1-haloalkanes to (F.R. Hartley, S.G. Murray, D.M. Potter, J.R. Chipperfield), (306) 133

## Ruthenium

- Carbonylruthenium complexes of *cis*-1,2-bis(diphenylphosphino)ethene, preparation of; X-ray structure of  $\text{Ru}_2\{\mu\text{-C}_2\text{H}_2(\text{PPh}_2)_2\}(\text{CO})_6$  (M.I. Bruce, M.L. Williams, B.W. Skelton, A.H. White), (306) 115
- Copper- and silver-ruthenium clusters containing

- asymmetric bidentate ligands  $\text{Ph}_2\text{As}(\text{CH}_2)_n\text{-PPh}_2$  ( $n = 1, 2$ ), synthesis and dynamic behaviour of (S.S.D. Brown, P.J. McMarthy, I.D. Salter), (306) C27
- Cyclopentadienylruthenium alkoxy-carbene, stereochemical aspects of conversion to acetylide complexes of; crystal structure of  $[(\eta\text{-C}_5\text{H}_5)\text{Ru}(\text{Ph}_2\text{PCHMeCHMePPh}_2)(\text{C}=\text{CPh})]$  (G. Consiglio, F. Morandini, A. Sironi), (306) C45
- Ethylene(hydrido)metal complexes ( $M = \text{Ru, Os, Ir, Co}$ ), stepwise preparation of (H. Werner, H. Kletzin, A. Höhn, W. Paul, W. Knaup, M.L. Ziegler, O. Serhadli), (306) 227
- Fluxional cryptands containing metallocene units (P.J. Hammond, P.D. Beer, C. Dudman, I.P. Danks, C.D. Hall, J. Knychala, M.C. Grossel), (306) 367
- $\text{H}_2\text{Ru}_4\text{C}(\text{CO})_{12}$ , structural isomers of; X-ray crystal structure of  $\text{Ru}_4\text{C}(\text{CO})_{13}$  (A.G. Cowie, B.F.G. Johnson, J. Lewis, P.R. Raithby), (306) C63
- Osmium and ruthenium complexes, mechanism of homogeneous hydrogenation of carbon monoxide catalysed by (D.S. Barratt, D.J. Cole-Hamilton), (306) C41
- Ruthenium complexes, photochemical hydroformylation catalysis using (E.M. Gordon, R. Eisenberg), (306) C53
- Ruthenocene-carboxylic and boronic acids, separation and identification of; detection of alkali metal cations (T. Wilczewski), (306) 125
- Ruthenocene fluxional bis-crown ethers, synthesis of (P.D. Beer, A.D. Keefe), (306) C10

## Silicon

- Alkoxysilanes, multinuclear NMR spectroscopy of (E. Liepiņš, I. Zicmane, E. Lukevics), (306) 167
- Bis( $\eta$ -styrene)molybdenum, synthesis and polymerisation of; crystal structures of  $\text{Mo}(\eta\text{-C}_6\text{H}_5\text{CH}_2\text{CH}=\text{CH}_2)_2$  and  $[\text{Mo}(\eta\text{-C}_6\text{H}_5\text{SiMe}_2\text{-H})_2\text{BF}_4]$  (M.L.H. Green, I. Treurnicht, J.A. Bandy, A. Gourdon, K. Prout), (306) 145
- $[\eta^4\text{-2,5-Bis(trimethylsilyl)cyclopentadienone}(\eta^5\text{-cyclopentadienyl})\text{cobalt}]$ , structure of (J.H. Bieri, A.S. Dreiding, T.C.C. Gartenmann, E.R.F. Gesing, R.W. Kunz, R. Prewo), (306) 241
- $\text{C}_5\text{Me}_5(\text{CO})(\text{L})\text{Mn}(\text{H})\text{SiR}_3$  complexes, structural chemistry and  $^{29}\text{Si}$  NMR spectroscopy of (U. Schubert, G. Scholz, J. Müller, K. Ackermann, B. Wörle, R.F.D. Stansfield), (306) 303

- Diazaboracyclopropane, synthesis and crystal structure analysis of (R. Boese, U. Klingebiel), (306) 295
- Dicarbonylcyclopentadienyliron-substituted phosphalkene with Fe-P bonds, synthesis and structure of (L. Weber, K. Reizig, M. Frebel, R. Boese, M. Polk), (306) 105
- Phosphaalkynes, preparation and additive behaviour towards diazomethane, methyl azide and benzonitrile oxide of (W. Rösch, U. Vogelbacher, T. Allspach, M. Regitz), (306) 39
- Rigid pentacoordinate silicon structure generalisation of pseudorotation (R.J.P. Corriu, M. Mazhar, M. Poirier, G. Royo), (306) C5
- Siloxaphenanthrene coordination with tricarbonylchromium; crystal and molecular structure of  $[1\text{-}4a(10a)\text{-}\eta\text{-}10,10\text{-dimethyl-}10\text{-sila-}9\text{-oxa-}9,10\text{-dihydrophenanthrene}]$ chromium and tricarbonyl $[5\text{-}8a(4b)\text{-}\eta\text{-}10,10\text{-dimethyl-}10\text{-sila-}9\text{-oxa-}9,10\text{-dihydrophenanthrene}]$ chromium (N.I. Kirillova, A.I. Gusev, V.A. Sharapov, O.B. Afanasova, Yu.E. Zubarev, N.V. Alekseev, E.A. Chernychev, Yu.T. Struchkov), (306) 55

## Silver

- Copper- and silver-ruthenium clusters containing asymmetric bidentate ligands  $\text{Ph}_2\text{As}(\text{CH}_2)_n\text{-PPh}_2$  ( $n = 1, 2$ ), synthesis and dynamic behaviour of (S.S.D. Brown, P.J. McCarthy, I.D. Salter), (306) C27
- $[\text{Fe}_2(\eta\text{-C}_5\text{H}_5)_2(\text{CO})_2(\text{CNMe})\{\text{CN}(\text{Me})\text{H}\}]^+$ , anion control of the reaction products with  $\text{Ag}^+$  salts of (B. Callan, A.R. Manning), (306) C61

## Sodium

- n-Butylpotassium, preparation, synthetic use and NMR properties in hexane and THF solutions of (R. Pi, W. Bauer, B. Brix, C. Schade, P.v.R. Schleyer), (306) C1

## Sulphur

- Phosphinidene and diphosphene complexes, preparation of three-membered PPP, PPN and PPS cyclic ligands from (J. Borm, G. Huttner, O. Orama), (306) 29

Sulphur ylide complexes of palladium, preparation by phase transfer catalysis of (I.J.B. Lin, H.Y.C. Lai, S.C. Wu, L. Hwan), (306) C24

## Tellurium

Bis(*N,N*-dimethylaminoformyl) ditelluride, isolation and crystal structure of (R.A. Zingaro, C. Herrera, E.A. Meyers), (306) C36

## Tin

Bis(1,3-diphenylpropane-1,3-dionato)di-*n*-butyltin(IV), crystal and molecular structure of (G. Poli, C.J. Cheer, W.H. Nelson), (306) 347

Dichloro- and diacetoxy-allylic compounds, reduction with tributyltin hydride in the presence or absence of a palladium catalyst of (F. Guibé, A.-M. Zigna, B. Balavoine), (306) 257

Organotin(IV) compounds, <sup>13</sup>C NMR studies of (T.A.K. Al-Allaf), (306) 337

Phenyltin(IV) and phenyllead(IV) halides hexamethylphosphoramide adducts, fast atom bombardment mass spectrometry of (J.M. Miller, H. Mondal, I. Wharf, M. Onyszchuk), (306) 193

1,1,1,4-Tetrachlorobut-2-ene, reduction with tributyltin hydride in the presence or absence of a palladium catalyst of (F. Guibé, Y.T. Xian, G. Balavoine), (306) 267

Trimethylstannyl lithium mediated synthesis of 2-, 3- and 4-trimethylstannylcyclohexanols (A. Ricci, M. Taddei, G. Seconi), (306) 23

Triorganotin and triorganolead methyloxalates, preparation and structure of (A. Glowacki, F. Huber, H. Preut), (306) 9

Triphenyltin derivatives of methionine, penicillamine and cysteine and *L*-histidinatotin(II) (O.A. Bamgboye, T.T. Bamgboye, P.G. Harrison), (306) 17

## Tungsten

Benzylidene(pentacarbonyl)tungsten complexes, reactions with trimethylphosphite, triphenylarsane and triphenylstibane of (H. Fischer, J. Schmid), (306) 203

Phosphinidene and diphosphene complexes, preparation of three-membered PPP, PPN and PPS cyclic ligands from (J. Borm, G. Huttner, O. Orama), (306) 29

## Zirconium

Dicyclopentadienylzirconium(IV), picolinoyl, nicotinoyl and isonicotinoyl hydrazone derivatives of (V. Srivastava, O.P. Pandey, S.K. Sengupta, S.C. Tripathi), (306) 355

## Book reviews

Dictionary of organometallic compounds, First Supplement; edited by J.E. Mavintyre, Chapman and Hall (C. Eaborn), (306) C59

Directory of Graduate Research 1985 (C. Eaborn), (306) C31

Spectroscopic properties of inorganic and organometallic compounds, Vol. 17; reported by G. Davidson and E.A.V. Ebsworth (C. Eaborn), (306) C58