

- |                      |                          |                             |
|----------------------|--------------------------|-----------------------------|
| Paolucci, G., 317    | Sanctis, Y. De, 365      | Tuzi, A., 233               |
| Peters, K., 7        | Santos-García, J.J., 327 |                             |
| Pierens, R.K., 333   | Sapozhnikov, Ju.E., 15   | Van Dyk, M.M., 51           |
| Pierrot, M., 343     | Schade, C., C25          | Van Rooyen, P.H., 51        |
| Pocai, P., 371       | Schäfer, A., 7           |                             |
| Pratten, S.J., 333   | Schindehutte, M., 51     | Vicente, J., 125            |
| Pregosin, P.S., 239  | Schleyer, P.v.R., C25    | Vitagliano, A., 233         |
| Preut, H., 21        | Schneider, J.R., C29     | Von Gunten, U., 239         |
|                      | Schnering, H.G. von, 7   | Von Ragué Schleyer, P., C25 |
| Resch, P., 137       | Shirjaev, V.I., 15       | Von Schnering, H.G., 7      |
| Rohrmann, J., 175    | Sironi, A., C7           | Voronkov, M.G., 15          |
| Rooyen, P.H. Van, 51 | Sladky, F., C1           | Weidenbruch, M., 7          |
| Royo, P., 159        | Smith, A.K., 99          | Wrackmeyer, B., C11         |
| Ruegg, H.J., 239     | Spencer, A., 79, 91, 199 |                             |
| Rufińska, A., 211    | Stader, C., C11          | Yilmazer, E., 47            |
| Rüther, R., 21       | Steuer, H.-A., 1         |                             |
| Sala-Pala, J., 167   | Sümmermann, K., C21      | Zahn, T., 175               |
| Salter, I.D., C17    |                          | Zanella, P., 317            |
| Salvadori, P., 371   | Titcombe, L., 401        | Ziegler, M.L., 175          |
| Salzer, A., 63       | Troiani, F., 371         |                             |

## JOURNAL OF ORGANOMETALLIC CHEMISTRY, VOL. 295 (1985)

### SUBJECT INDEX

#### Antimony

1,6-Distibatriptycene (5,10-o-benzeno-stibanthrene,  $\text{Sb}_2(\text{C}_6\text{H}_4)_3$ ), synthesis of (N.A.A. Al-Jabar, D. Bowen, A.G. Massey), 29

Phenyl-substituted stibocene,  $\psi$ -octahedral 5- and  $\psi$ -monocapped octahedral 6-coordination at antimony(III) in (H.M. Hoffmann, M. Dräger), 33

Tetraphenylstibonium alkyl- and aryl-sulphonates, synthesis of; crystal structure of tetraphenylstibonium benzene-sulphonate hydrate (R. Rüther, F. Huber, H. Preut), 21

#### Boron

B-t-Butyl-borazine and -diazadiboretidine, preparation and spectral characterisation of (H.-A. Steuer, A. Meller, G. Elter), 1

#### Chromium

$\pi$ -Arenedicarbonyl(thioether)chromium(0) complexes, synthesis, characterisation

and reactivity towards arene and thioether substitution of; crystal structure of *cis*-tetracarbonyl(methyl-1,3-dithian-2-methyl-2-dithiocarboxylate)-chromium(0) (S. Lotz, M. Schindehutte, M.M. Van Dyk, J.L.M. Dillen, P.H. Van Rooyen), 51

Methyl- and t-butyl-substituted ( $\eta^6$ -benzene)tricarbonylchromium(0) complexes, relevance to the nature of the Cr—arene bond of electric dipole moments and anisotropic optical polarisabilities of (M.J. Aroney, M.K. Cooper, R.K. Pierens, S.J. Pratten, S.W. Filipczuk), 333

3,3',4,4'-Tetramethyl-1,1'-diphosphaferrocene bonded to pentacarbonyl-chromium, -molybdenum and -tungsten fragments, electrochemical formation of heterometallic complexes with multiple redox centres from (P. Lemoine, M. Gross, P. Braunstein, F. Mathey, B. Deschamps, J.H. Nelson), 189

#### Cobalt

Carbonylmetal complexes as stabilisers in reactions of free and surface-anchored phosphines with multidentate ligands

(D.F. Foster, J. Harrison, B.S. Nicholls, A.K. Smith), 99

**Dirhodium complex,  $(\eta\text{-C}_5\text{H}_5)_2\text{Rh}_2(\mu\text{-CO})(\mu\text{-CF}_3\text{C}_2\text{CF}_3)$ , metal nucleophile,  $(\eta\text{-C}_5\text{R}_5)\text{M}(\text{CO})\text{L}$ , addition to; crystal structure of  $(\eta\text{-C}_5\text{H}_5)_2(\eta\text{-C}_5\text{Me}_5)\text{Rh}_3(\text{CO})(\mu\text{-CO})[\mu\text{ Cl(O)C}_2(\text{CF}_3)_2]$**  (R.S. Dickson, G.S. Evans, G.D. Fallon, G.N. Pain), 109

## Copper

**Carbido cluster anion  $[\text{Re}_7\text{C}(\text{CO})_{21}]^{3-}$ , reactions with Group IB metals of; X-ray crystal structure of the heterometallic carbide  $[\{\text{Re}_7\text{AgC}(\text{CO})_{21}\}_2\text{Br}]^{5-}$**  (T. Beringhelli, G. D'Alfonso, M. Freni, G. Ciani, A. Sironi), C7

## Gallium

**Diiodo(methylthio)gallane, preparation and reactivity of** (G. Hoffmann, P. Resch), 137

## Germanium

**Triosmium and triruthenium Main-Group metal clusters,  $\text{M}_3(\text{H})(\text{CO})_{11}(\text{M}'\text{R}_3)$  and  $\text{Os}_3(\text{H})(\text{CO})_{10}(\text{CH}_2\text{CN})(\text{M}'\text{R}_3)$  ( $\text{M} = \text{Os}, \text{Ru}; \text{M}' = \text{Ge}, \text{Sn}; \text{R} = \text{aryl, alkyl}$ )** (K. Burgess, C. Guerin, B.F.G. Johnson, J. Lewis), C3

## Gold

**Carbido cluster anion  $[\text{Re}_7\text{C}(\text{CO})_{21}]^{3-}$ , reactions with Group IB metals of; X-ray crystal structure of the heterometallic carbide  $[\{\text{Re}_7\text{AgC}(\text{CO})_{21}\}_2\text{Br}]^{5-}$**  (T. Beringhelli, G. D'Alfonso, M. Freni, G. Ciani, A. Sironi), C7

**Dimethylmetal(II) pyrazolides, synthesis and characterisation of** (P.K. Byers, A.J. Canty, K. Mills, L. Titcombe), 401  
**Gold(III) complexes containing 2-[ $(\text{phenylazo})\text{phenyl}$ ] as chelating ligand** (J. Vicente, M.T. Chicote, M.D. Bermudez, M. Garcia-Garcia), 125

**Penta- and hepta-nuclear gold tertiary phosphine clusters, molecular analysis of** (D.G. Evans, D.M.P. Mingos), 389

## Indium

**Dimethylmetal(II) pyrazolides, synthesis**

and characterisation of (P.K. Byers, A.J. Canty, K. Mills, L. Titcombe), 401

## Iridium

**Carbonylmetal complexes as stabilisers in reactions of free surface-anchored phosphines with multidentate ligands** (D.F. Foster, J. Harrison, B.S. Nicholls, A.K. Smith), 99

**Iridium(I) and rhodium(I) complexes with chloro- and penta-2,4-dionato ligands, reactions with a secondary phosphite of** (M.A. Bennett, T.R.B. Mitchell), 223

## Iron

**Carbonylferrate anions, multiple pathways in reactions with chalcogens and chalcogen-containing anions of** (C. Glidewell), 73

**Dithiophosphate monodentate complexes  $\text{Cp}'\text{Fe}(\text{CO})_3(\eta^1\text{-SP(S)(OR)}_2)$  ( $\text{Cp}' = \eta\text{-C}_5\text{H}_5, \eta\text{-C}_5\text{H}_4\text{Me}, \eta\text{-C}_5\text{Me}_5$ ), preparation of** (M. Morán, I. Cuadrado), 353

**Selenido heterometallic complexes, synthesis and chemical behaviour of** (W.A. Herrmann, J. Rohrmann, M.L. Ziegler, T. Zahn), 175  
**3,3',4,4'-Tetramethyl-1,1'-diphosphaferrrocene bonded to pentacarbonyl-chromium, -molybdenum and -tungsten fragments, electrochemical formation of heterometallic complexes with multiple-redox centres from** (P. Lemoine, M. Gross, P. Braunstein, F. Mathey, B. Deschamps, J.H. Nelson), 189

## Lead

**Triphenyl-tin and -lead halides, preparation and spectroscopic studies of cyclic urea adducts of** (C.T. Aitken, M. Onyszchuk), 149

## Manganese

**Allylcyclopentadienylmanganese cationic complexes, synthesis and reactivity of** (B. Buchmann, A. Salzer), 63

**Selenido heterometallic complexes, synthesis and chemical behaviour of** (W.A. Herrmann, J. Rohrmann, M.L. Ziegler, T. Zahn), 175

## Mercury

Oxymercurials derived from cyclopropane, preparation of (A.J. Bloodworth, C.J. Cooksey), 131

## Metallocenes

Alkylzirconium-(III) and -(IV) complexes, synthesis and reactions of (T. Cuénca, P. Royo), 159

3',4,4'-Tetramethyl-1,1'-diphosphapherrocene bonded to pentacarbonyl-chromium, -molybdenum and -tungsten fragments, electrochemical formation of heterometallic complexes with multiple redox centres from (P. Lemoine, M. Gross, P. Braunstein, F. Mathey, B. Deschamps, J.H. Nelson), 189

Vanadocene, olefin complexes of (M. Morán, J.J. Santos-García, J.R. Masaguer, V. Fernández), 327

## Molybdenum

Dioxomolybdenum complexes in reactions with triphenylphosphonium ylides; crystal structures of  $[PPh_3CH_2COOEt]^{+}_2 \cdot [NH_2Et]^{+}_2 [Mo_6O_{26}]^{4-}$ ,  $[PPh_3CH_2COOEt]^{+} \cdot [Mo_6O_{19}]^{2-}$  and  $[PPh_3CH_2Ph]^{+}_2 [Mo_6O_{19}]^{2-}$  (H. Arzoumanian, A. Baldy, R. Lai, A. Odreman, J. Metzger, M. Pierrot), 343

3',4,4'-Tetramethyl-1,1'-diphosphapherrocene bonded to pentacarbonyl-chromium, -molybdenum and -tungsten fragments, electrochemical formation of heterometallic complexes with multiple redox centres from (P. Lemoine, M. Gross, P. Braunstein, F. Mathey, B. Deschamps, J.H. Nelson), 189

## Nickel

$\eta^3$ -Cyclopropenylnickel(0) dimeric complex,  $[(C_3Ph_3)Ni(CO)Br]_2$ , X-ray crystal structure of (C.A. Ghilardi, S. Midollini, A. Orlandini), 377

Diisopropylamino(ethoxy)carbene, preparation by acylation and alkylation of tetracarbonylnickel stabilised by triphenylphosphine substitution (E.O. Fischer, J.D. Schneider), C29

## Niobium

Dicyclopentadienylcarbonylhydrido-niobium and -tantalum, insertion of

activated acetylenes into the M—H bond of (J. Amaudrut, J.-C. Leblanc, C. Moïse, J. Sala-Pala), 167

## Osmium

Carbonylmetal complexes as stabilisers in reactions of free and surface-anchored phosphines with multidentate ligands (D.F. Foster, J. Harrison, B.S. Nicholls, A.K. Smith), 99

Triosmium and triruthenium Main-Group metal clusters,  $M_3(H)(CO)_{11}(M'R_3)$  and  $Os_3(H)(CO)_{10}(CH_3CN)(M'R_3)$  ( $M = Os$ , Ru;  $M' = Ge$ , Sn; R = aryl, alkyl) (K. Burgess, C. Guerin, B.F.G. Johnson, J. Lewis), C3

Triosmium clusters derived from  $\alpha,\beta$ -unsaturated aldehydes (A.J. Arce, Y. De Sanctis, A.J. Deeming), 365

## Palladium

Alkynylstannanes and 1,2-bis(diphenylphosphino)ethanepalladium(II) chloride, alkynyl—halogen exchange between (C. Stader, B. Wrackmeyer), C11

Palladium-catalysed asymmetric coupling, reactions between allylic acetates and organozinc reagents (J.-C. Fiaud, L. Aribi-Zouioueche), 383

$\eta^5$ - $[Pd(CH_2\cdots CH\cdots CMeCH_2CH_2CH=CMe_2)\cdot(MeCN)](BF_4^-)$ , cationic  $\pi$ -allylpalladium complex with almost in-plane intramolecular olefin coordination, molecular structure of (R. Ciajolo, M.A. Jama, A. Tuzi, A. Vitagliano), 233

## Phosphorus

Alkyl, aryl and acyl trichlorostannate complexes of platinum(II),  $^{195}Pt$ ,  $^{119}Sn$  and  $^{31}P$  NMR studies of; crystal structure of  $trans-[Pt(SnCl_3)(COC_6H_5)(PEt_3)_2]$  (A. Albinati, U. von Gunten, P.S. Pregosin, H.J. Ruegg), 239

Alkynylstannanes and 1,2-bis(diphenylphosphino)ethanepalladium(II) chloride, alkynyl—halogen exchange between (C. Stader, B. Wrackmeyer), C11

Allylcyclopentadienylmanganese cationic complexes, synthesis and reactivity of (B. Buchmann, A. Salzer), 63

Aryldiazoninylidene and cycloheptatriene-vinylidene complexes, synthesis of; X-

- ray structures of  $[\text{Ru}(\text{C}=\text{CPhN}=\text{NC}_6\text{H}_3\text{Me}_2-3,4)(\text{PPh}_3)_2(\eta\text{-C}_5\text{H}_5)](\text{BF}_4^-)$ . 0.67  $\text{CH}_2\text{Cl}_2$  and  $[\text{Ru}\{\text{C}=\text{CPh}(\text{C}_6\text{H}_5)\}-(\text{DPPE})(\eta\text{-C}_5\text{H}_5)](\text{PF}_6^-)$ . 0.63  $\text{CH}_2\text{Cl}_2$  (M.I. Bruce, C. Dean, D.N. Duffy, M.G. Humphrey, G.A. Koutsantonis), C40
- 1,2-Bis(2,4,6-tri-t-butylphenyl)-3,3-di-t-butyl-1,2,3-diphosphasilirane, synthesis and molecular structure of (M. Weidenbruch, M. Herrndorf, A. Schäfer, K. Peters, H.G. von Schnering), 7
- Carbonylmetal complexes as stabilisers in reactions of free and surface-anchored phosphines with multidentate ligands (D.F. Foster, J. Harrison, B.S. Nicholls, A.K. Smith), 99
- Diodo(methylthio)gallane, preparation and reactivity of (G. Hoffmann, P. Resch), 137
- Diisopropylamino(ethoxy)carbene, preparation by acylation and alkylation of tetracarbonynickel stabilised by triphenylphosphine substitution (E.O. Fischer, J.D. Schneider), C29
- Dioxomolybdenum complexes in reactions with triphenylphosphonium ylides; crystal structures of  $[\text{PPh}_3\text{CH}_2\text{COOEt}]^{+2}[\text{NH}_2\text{Et}]^{+2}[\text{Mo}_6\text{O}_{26}]^{4-}$ ,  $[\text{PPh}_3\text{CH}_2\text{COOEt}]^{+2}[\text{Mo}_6\text{O}_{14}]^{2-}$  and  $[\text{PPh}_3\text{CH}_2\text{Ph}]^{+2}[\text{Mo}_6\text{O}_{14}]^{2-}$  (H. Arzoumanian, A. Baldy, R. Lai, A. Odreman, J. Metzger, M. Pierrot), 343
- Dithiophosphate monodentate complexes  $\text{Cp}'\text{Fe}(\text{CO})_3(\eta^1\text{-SP}(\text{S})(\text{OR}))$  ( $\text{Cp}' = \eta\text{-C}_5\text{H}_5$ ,  $\eta\text{-C}_5\text{H}_4\text{Me}$ ,  $\eta\text{-C}_5\text{Me}_3$ ), preparation of (M. Morán, I. Cuadrado), 353
- Iridium(I) and rhodium(I) complexes with chloro- and penta-2,4-dionato ligands, reactions with a secondary phosphite of (M.A. Bennett, T.R.B. Mitchell), 223
- Penta- and hepta-nuclear gold tertiary phosphine clusters, molecular analysis of (D.G. Evans, D.M.P. Mingos), 389
- Phenylalkynylplatinum complexes, formation from reaction of diphosphine-platinum(II) oxalate complexes and phenylacetylene (G.K. Anderson, G.J. Lumetta), 257
- 3,3',4,4'-Tetramethyl-1,1'-diphosphaferrrocene bonded to pentacarbonylchromium, -molybdenum and -tungsten fragments, electrochemical formation of heterometallic complexes with multiple redox centres from (P. Lemoine, M. Gross, P. Braunstein, F. Mathey, B. Deschamps, J.H. Nelson), 189
- Tris(trimethylsilyl)methylditellurodi-t-butylphosphine,  $(\text{Me}_3\text{Si})_3\text{CTeTeP-t-Bu}_2$ , formation of (F. Sladky, B. Bildstein, D. Obendorf), C1
- ## Platinum
- Alkyl, aryl and acyl trichlorostannate complexes of platinum(II),  $^{195}\text{Pt}$ ,  $^{119}\text{Sn}$  and  $^{31}\text{P}$  NMR studies of; crystal structure of *trans*- $[\text{Pt}(\text{SnCl}_3)(\text{COC}_6\text{H}_5)(\text{PEt}_3)_2]$  (A. Albinati, U. von Gunten, P.S. Pregosin, H.J. Ruegg), 239
- Phenylalkynylplatinum complexes, formation from reaction of diphosphine-platinum(II) oxalate complexes and phenylacetylene (G.K. Anderson, G.J. Lumetta), 257
- ## Rhenium
- Carbido cluster anion  $[\text{Re}_5\text{C}(\text{CO})_{21}]^{3-}$ , reactions with Group IB metals of; X-ray crystal structure of the heterometallic carbide  $[\{\text{Re}_5\text{AgC}(\text{CO})_{21}\}]_2\text{Br}]^{5-}$  (T. Beringhelli, G. D'Alfonso, M. Freni, G. Ciani, A. Sironi), C7
- $[\text{Re}_3(\mu\text{-H})_3(\text{CO})_{10}]^{2-}$  in solution,  $^{13}\text{C}$  NMR investigation of properties of (T. Beringhelli, G. D'Alfonso, H. Molinari), C35
- ## Rhodium
- Carbonylmetal complexes as stabilisers in reactions of free surface-anchored phosphines with multidentate ligands (D.F. Foster, J. Harrison, B.S. Nicholls, A.K. Smith), 99
- Dirhodium complex,  $(\eta\text{-C}_5\text{H}_5)_2\text{Rh}_2(\mu\text{-CO})-(\mu\text{-CF}_3\text{C}_2\text{CF}_3)$ , metal nucleophile,  $(\eta\text{-C}_5\text{H}_5)_2\text{M}(\text{CO})\text{L}$ , addition to; crystal structure of  $(\eta\text{-C}_5\text{H}_5)_2(\eta\text{-C}_5\text{Me}_3)\text{Rh}_2(\text{CO})(\mu\text{-CO})\{\mu\text{-Cl}(\text{O})\text{C}_2(\text{CF}_3)_2\}$  (R.S. Dickson, G.S. Evans, G.D. Fallon, G.N. Pain), 109
- Iridium(I) and rhodium(I) complexes with chloro- and penta-2,4-dionato ligands, reactions with a secondary phosphite of (M.A. Bennett, T.R.B. Mitchell), 223
- Rhodium-catalysed hydroformylation of vinyl ethers, factors affecting the regioselectivity in (R. Lazzaroni, S. Bertozzi, P. Pocai, F. Troiani, P. Salvadori), 371

Rhodium complexes with optically active tropolone ligands (H. Brunner, A. Knott, R. Benn, A. Rufińska), 211

## Ruthenium

Aryldiazovinylidene and cycloheptatriene-vinylidene complexes, synthesis of; X-ray structures of  $[\text{Ru}(\text{C}=\text{CPhN}=\text{NC}_6\text{H}_3\text{Me}_2\text{-3,4})(\text{PPh}_3)_2(\eta\text{-C}_5\text{H}_5)]$  $[\text{BF}_4^-]$  · 0.67 CH<sub>2</sub>Cl<sub>2</sub> and  $[\text{Ru}(\text{C}=\text{CPh}(\text{C}_6\text{H}_5))\text{-}(DPPE)(\eta\text{-C}_5\text{H}_5)]$  $[\text{PF}_6^-]$  · 0.63 CH<sub>2</sub>Cl<sub>2</sub> (M.I. Bruce, C. Dean, D.N. Duffy, M.G. Humphrey, G.A. Koutsantonis), C40

Carbonylmetal complexes as stabilisers in reactions of free and surface-anchored phosphines with multidentate ligands (D.F. Foster, J. Harrison, B.S. Nicholls, A.K. Smith), 99

Ruthenium-catalysed rearrangements of deuterated azobenzenes to 1-phenylbenzimidazole and N-phenyl-1,2-phenylenediamine derivatives (A. Spencer), 199

Ruthenium complexes as catalysts in preparation of 1-phenylbenzimidazoles from azobenzene derivatives and primary alcohols (A. Spencer), 79

Ruthenium complexes as catalysts in preparation of N-phenyl-1,2-phenylenediamine and N<sup>1</sup>-phenyl-N<sup>2</sup>-(sec-alkyl)-1,2-phenylenediamine and derivatives (A. Spencer), 91

Triosmium and triruthenium Main-Group metal clusters, M<sub>3</sub>(H)(CO)<sub>11</sub>(M'R<sub>3</sub>) and Os<sub>3</sub>(H)(CO)<sub>10</sub>(CH<sub>3</sub>CN)(M'R<sub>3</sub>) (M = Os, Ru; M' = Ge, Sn; R = aryl, alkyl) (K. Burgess, C. Guerin, B.F.G. Johnson, J. Lewis), C3

## Selenium

Carbonylferrate anions, multiple pathways in reactions with chalcogens and chalcogen-containing anions of (C. Glidewell), 73

Diiodo(methylthio)gallane, preparation and reactivity of (G. Hoffmann, P. Resch), 137

Selenido heterometallic complexes, synthesis and chemical behaviour of (W.A. Herrmann, J. Rohrmann, M.L. Ziegler, T. Zahn), 175

## Silicon

1,2-Bis(2,4,6-tri-t-butylphenyl)-3,3-di-t-

butyl-1,2,3-diphosphasilirane, synthesis and molecular structure of (M. Weidenbruch, M. Herrndorf, A. A. Schäfer, K. Peters, H.G. von Schnering), 7

B-t-Butyl-borazine and -diazadiboretidine, preparation and spectral characterisation of (H.-A. Steuer, A. Meller, G. Elter), 1

Hydrosilanes, alcoholysis of (Review) (E. Lukevics, M. Dzintara), 265

Tris(trimethylsilyl)methylditellurodi-t-butylphosphine, (Me<sub>3</sub>Si)<sub>3</sub>CTeTeP-(t-Bu)<sub>2</sub>, formation of (F. Sladky, B. Bildstein, D. Obendorf), C1

## Silver

Carbido cluster anion [Re<sub>7</sub>C(CO)<sub>21</sub>]<sup>3--</sup>, reactions with Group IB metals of; X-ray crystal structure of the heterometallic carbide [ {Re,AgC(CO)<sub>21</sub>}<sub>2</sub>Br]<sup>5-</sup> (T. Beringhelli, G. D'Alfonso, M. Freni, G. Ciani, A. Sironi), C7

Dimethylmetal(II) pyrazolides, synthesis and characterisation of (P.K. Byers, A.J. Canty, K. Mills, L. Titcombe), 401

## Sodium

n-Butylsodium, preparation, properties and NMR spectra of a hydrocarbon- and tetrahydrofuran-soluble reagent (C. Schade, W. Bauer, P.v.R. Schleyer), C25

## Sulphur

$\pi$ -Arenedicarbonyl(thioether)chromium(0) complexes, synthesis, characterisation and reactivity towards arene and thioether substitution of; crystal structure of cis-tetracarbonyl(methyl-1,3-dithian-2-methyl-2-dithiocarboxylate)-chromium(0) (S. Lotz, M. Schindehutte, M.M. Van Dyk, J.L.M. Dillen, P.H. Van Rooyen), 51

Carbonylferrate anions, multiple pathways in reactions with chalcogens and chalcogen-containing anions of (C. Glidewell), 73

Di-n<sup>5</sup>-cyclopentadienyltitana(IV)cyclohexa-sulphane, convenient preparation of (A.R. Koray, V. Ahşen, F. Gökceli, E. Yilmazer, Ö. Bekaroğlu), 47

Dithiophosphate monodentate complexes

$\text{Cp}'\text{Fe}(\text{CO})_2(\eta^1\text{-SP(S)}(\text{OR})_2)$  ( $\text{Cp}' = \eta\text{-C}_5\text{H}_5$ ,  $\eta\text{-C}_5\text{H}_4\text{Me}$ ,  $\eta\text{-C}_5\text{Me}_5$ ), preparation of (M. Morán, I. Cuadrado), 353  
**Tetraphenylstibonium alkyl- and aryl-sulphonates, synthesis of; crystal structure of tetraphenylstibonium benzene-sulphonate hydrate** (R. Rüther, F. Huber, H. Preut), 21

## Tantalum

Dicyclopentadienylcarbonylhydrido-niobium and -tantalum, insertion of activated acetylenes into the M-H bond of (J. Amaudrut, J.-C. Leblanc, C. Moise, J. Sala-Pala), 167

## Tellurium

Tris(trimethylsilyl)methylditellurodi-t-butylphosphine,  $(\text{Me}_3\text{Si})_3\text{CTeTeP-t-Bu}_2$ , formation of (F. Sladky, B. Bildstein, D. Obendorf), C1

## Thallium

Dimethylmetal(II) pyrazolides, synthesis and characterisation of (P.K. Byers, A.J. Canty, K. Mills, L. Titecombe), 401

## Thorium

Dicyclopentadienyl-uranium(IV) and -thorium(IV) compounds with bulky ligands, synthesis of (G. Paolucci, P. Zanella, A. Berton), 317

## Tin

Alkyl, aryl and acyl trichlorostannate complexes of platinum(II),  $^{195}\text{Pt}$ ,  $^{119}\text{Sn}$  and  $^{31}\text{P}$  NMR studies of; crystal structure of  $\text{trans-}[\text{Pt}(\text{SnCl}_3)(\text{COC}_6\text{H}_5)_2](\text{PEt}_3)_2$  (A. Albinati, U. von Gunten, P.S. Pregosin, H.J. Ruegg), 239

Alkynylstannanes and 1,2-bis(diphenyl-phosphino)ethanepalladium(II) chloride, alkynyl-halogen exchange between (C. Stader, B. Wrackmeyer), C11

(3-Chloropropyl)trichlorostannane, asymmetry parameters of the electric field gradient at the  $^{35}\text{Cl}$  nuclei of (V.P. Feshin, G.V. Dolgushin, M.G. Voronkov, Ju.E. Sapozhnikov, Ja.B. Jasman, V.I. Shirjaev), 15

Triosmium and triruthenium Main-Group metal clusters,  $\text{M}_3(\text{H})(\text{CO})_{11}(\text{M}'\text{R}_3)$  and  $\text{Os}_3(\text{H})(\text{CO})_{10}(\text{CH}_3\text{CN})(\text{M}'\text{R}_3)$  ( $\text{M} = \text{Os}$ ,  $\text{Ru}$ ;  $\text{M}' = \text{Ge}, \text{Sn}$ ;  $\text{R} = \text{aryl, alkyl}$ ) (K. Burgess, C. Guerin, B.F.G. Johnson, J. Lewis), C3

Triphenyl-tin and -lead halides, preparation and spectroscopic studies of cyclic urea adducts of (C.T. Aitken, M. Onyszchuk), 149

## Titanium

Di- $\eta^5$ -cyclopentadienyltitana(IV)cyclohexasulphane, convenient preparation of (A.R. Koray, V. Ahsen, F. Gökçel, E. Yilmazer, Ö. Bekaroğlu), 47

## Tungsten

3,3',4,4'-Tetramethyl-1,1'-diphosphaferrrocene bonded to pentacarbonyl-chromium, -molybdenum and -tungsten fragments, electrochemical formation of heterometallic complexes with multiple redox centres from (P. Lemoine, M. Gross, P. Braunstein, F. Mathey, B. Deschamps, J.H. Nelson), 189

## Uranium

Dicyclopentadienyl-uranium(IV) and -thorium(IV) compounds with bulky ligands, synthesis of (G. Paolucci, P. Zanella, A. Berton), 317

## Vanadium

Vanadocene, olefin complexes of (M. Morán, J.J. Santos García, J.R. Masaguer, V. Fernández), 327

## Zinc

Palladium-catalysed asymmetric coupling reactions between allylic acetates and organozinc reagents (J.-C. Fiaud, L. Aribi-Zouiouche), 383

## Zirconium

Alkylzirconium-(III) and -(IV) complexes, synthesis and reactions of (T. Cuenca, P. Royo), 159