

## SUBJECT INDEX

## Aluminium

$(\eta^5\text{-C}_5\text{H}_5)_2\text{Ti}(\mu\text{-H})_2\text{AlCl}_2 \cdot \text{O}(\text{C}_2\text{H}_5)_2$ ,  
crystal and molecular structures of  
(E.B. Lobkovskii, G.L. Soloveichik,  
B.M. Bulychev, R.G. Gerr,  
Yu.T. Struchkov), 45

## Antimony

Triaryl-phosphines, -arsines and -stibines,  
symmetrical and unsymmetrical, one  
pot synthesis from the elements by the  
 $S_{RN}1$  mechanism of (E.R. Bornancini,  
R.A. Alonso, R.A. Rossi), 177

## Arsenic

Bis(triphenylarsine)dichlorotricarbonyl-  
tungsten as catalyst in ring-opening  
polymerisation of norbornene in the  
presence of olefins (L. Benzze,  
A. Kraut-Vass), 211

Triaryl-phosphines, -arsines and -stibines,  
symmetrical and unsymmetrical, one  
pot synthesis from the elements by the  
 $S_{RN}1$  mechanism of (E.R. Bornancini,  
R.A. Alonso, R.A. Rossi), 177

## Boron

3-Alkyl-3-borabicyclo[4.3.1]decane ate  
complexes, regioselective hydride  
abstraction reaction in (M.E. Gurskii,  
S.V. Baranin, A.I. Lutsenko,  
B.M. Mikhailov), 17

3- $\eta^5$ -Cyclopentadienyl- $\eta^5$ -(3)-1,2-di-  
carbollyliron(II)-1 group stabilising  
synthesis and reactions of stable vinyl  
cation (L.I. Zakharkin, V.V. Kobak),  
229

Methoxyborabicyclo[3.3.1]-nonanes and  
-nonenes, homologation of and synthesis  
of 3-borabicyclo[4.3.1]-decane and  
-decene derivatives from (M.E. Gurskii,  
S.V. Baranin, B.M. Mikhailov), 9

Tris(Z-trimethylsilylprop-1-enyl)borane,  
[ $\text{CH}_3\text{CH}=\text{CSi}(\text{CH}_3)_3$ ] $_3\text{B}$ , crystal

structure of (N.S. Hosmane,  
N. Sirmokadam, M.D. Walkinshaw,  
E. A. V. Ebsworth), 1

## Chromium

$(\text{MeC}_5\text{H}_4)_2\text{Cr}_2(\mu\text{-SCMe}_3)(\mu_3\text{-S})_2\text{Co}(\text{CO})_2$  and  
and  $(\text{C}_5\text{H}_5)_2\text{Cr}_2(\mu\text{-SCMe}_3)(\mu_3\text{-S})_2\text{Mn}(\text{CO})_3$   
clusters with triangular  $\text{Cr}_2\text{M}$  metal  
frames, synthesis, molecular structures  
and magnetic properties of  
(A. A. Pasynskii, I.L. Eremenko,  
B. Orazsakhatov, G.Sh. Gasanov,  
V.M. Novotortsev, O.G. Ellert,  
Z.M. Seifulina, V.E. Shklover,  
Yu.T. Struchkov), 53

Tricarbonylchromium anionic complexes  
of fluoradene, substituted fluorenes and  
indene; structure of iron pairs and  $\eta^6 \rightarrow \eta^5$   
rearrangements (N.A. Ustynyuk,  
Yu.F. Oprunenko, S.G. Malyugina,  
O.I. Trifonova, Yu.A. Ustynyuk), 185

## Cobalt

Cobalt or cobalt and iron substituted silicon  
silicon, germanium and tin complexes,  
electrochemical reduction of  
(C. Combers, R.J.P. Corriu, G. Dabosi,  
B.J.L. Henner, R. Martineau), 131

Thioketene-cobalt complexes, preparation,  
structure and properties of  
(D. Wormsbächer, R. Drews,  
F. Edelmann, U. Behrens), 93

## Copper

Bis(phenylethynyl)aurate(I) complex an-  
ion, reactivity of; synthesis and  
characterisation of di- and trinuclear  
Group IB metal arylacetylides  
(O.M. Abu-Salah), C26

Cyclopropane carboxylates, asymmetric  
synthesis of; catalysis of diazoacetate re-  
actions by copper(II) Schiff base com-  
plexes derived from  $\alpha$ -amino acids  
(D.A. Laidler, D.J. Milner), 121

## Germanium

- $[(CF_3)_3GePt(PPh_3)_2]_2Hg$ , synthesis, structure and reactivity of (M.N. Bochkarev, N.L. Ermolaev, L.N. Zakharov, Yu.N. Safyanov, G.A. Razuvaev, Yu.T. Struchkov), 289
- Cobalt or cobalt and iron substituted silicon, germanium and tin complexes, electrochemical reduction of (C. Combes (C. Combes, R.J.P. Corriu, G. Dabosi, B.J.L. Henner, R. Martineau), 131
- Distannanes containing  $Cp(CO)_2Fe$  groups, synthesis by electrochemical reduction reactions of (C. Combes, R.J.P. Corriu, G. Dabosi, B.J.L. Henner, M. Martineau), 141
- Hexaphenylethane analoga,  $Ph_3Pb-MPh_3$ ,  $M = Pb, Sn, Ge, Si$ , preparation and characterisation of (N. Kleiner, M. Dräger), 151

## Gold

- Bis(phenylethynyl)aurate(I) complex anion, reactivity of; synthesis and characterisation of di- and tri-nuclear Group IB metal arylacetylides (O.M. Abu-Salah), C26

## Iridium

- Dialkylphosphine oxides and alkylalkylphosphonites, oxidative addition to iridium(I) of (T.R.B. Mitchell), 245
- Rhodium and iridium complexes containing nitrosoarene ligands, preparation and characterization of (G. Vasapollo, P. Giannoccaro, C.F. Nobile, F. Allegretta), 109

## Iron

- Arylferrocenes, conformational analysis using Mössbauer,  $^1H$  NMR and  $^{13}C$  NMR spectroscopy of (R.M.G. Roberts, J. Silver, B. Yamin), 221
- Biferrocenium mixed-valence salts, anomalous temperature dependence of electrical conductivity in (S. Iijima, Y. Tanaka), C11
- Cobalt or cobalt and iron substituted silicon, germanium and tin complexes, electrochemical reduction of (C. Combes, R.J.P. Corriu, G. Dabosi,

- B.J.L. Henner, R. Martineau), 131
- $3-\eta^5$ -Cyclopentadienyl- $\eta^5$ -(3)-1,2-dicarbollyliron(II)-1 group stabilising synthesis and reactions of stable vinyl cation (L.I. Zakharkin, V.V. Kobak), 229
- Ferrocenyl bridged ketones, Mössbauer study of (A.G. Nagy), 327
- Hydridocyclopentadienyliron dicarbonyl and its role in olefin hydroformylation (B.-H. Chang, P.C. Coil, M.J. Brown, K.W. Barnett), C23
- Mixed metal clusterscomplexes of osmium with cobalt and iron, synthesis of (W.A.G. Graham, J.R. Moss), 237
- Tetracarbonylthiocarbonyliron, reactions with mercury chloride in various solvents of (W. Petz), 81
- 1,3,5-Triferrocenyl-4-(1-ferrocenylethenyl)-cyclohexene, cyclodimerization of 1-methyl-1,3-diferrocenylallyl cation into (E.I. Klimova, A.N. Pushin, V.A. Sazonova), 319

## Lead

- Hexaphenylethane analoga,  $Ph_3Pb-MPh_3$ ,  $M = Pb, Sn, Ge, Si$ , preparation and characterisation of (N. Kleiner, M. Dräger), 151

## Lithium

- Benzyl- and related alkyl-lithiums, simple electrostatic model for (R.J. Bushby, M.P. Tytko), 265
- Methoxyborabicyclo[3.3.1]-nonanes and -nonenes, homologation of and synthesis of 3-borabicyclo[4.3.1]-decane and -decene derivatives from (M.E. Gurskii, S.V. Baranin, B.M. Mikhailov), 9

## Manganese

- Heptacarbonyl- $\mu$ -(2,5:2-5- $\eta$ -2,4-hexadiene-2,5-diyl)dimanganese, synthesis and molecular structure of (M. Leyendecker, W.S. Sheldrick, C.G. Kreiter), C37

## Mercury

- $[(CF_3)_3GePt(PPh_3)_2]_2Hg$ , synthesis, structure and reactivity of (M.N. Bochkarev, N.L. Ermolaev, L.N. Zakharov,

- Yu. N. Safyanov, G. A. Razuvaev, Yu. T. Struchkov), 289
- Pt—Hg—Pt containing heterotrimetallic complexes; crystal structure of  $[(PPh_3)_2(2,4,6-C_6H_2Cl_3)Pt]_2Hg$  (O. Rossell, M. Seco, I. Torra, X. Solans, M. Font-Altaba), C63
- Tetracarbonylthiocarbonyliron, reactions with mercury chloride in various solvents of (W. Petz), 81
- ## Metalloenes
- Arylferrocenes, conformational analysis using Mössbauer,  $^1H$  NMR and  $^{13}C$  NMR spectroscopy of (R.M.G. Roberts, J. Silver, B. Yamin), 221
- Biferrocenium mixed-valence salts, anomalous temperature dependence of electrical conductivity in (S. Iijima, Y. Tanaka), C11
- Dicarbonyl(pentacyclopentadienyl)ruthenium complexes, ylid reactions of (A. Stasunik, W. Malisch), C56
- Ferrocenyl bridged ketones, Mössbauer study of (A.G. Nagy), 327
- Phenylimidodecamethylvanadocene, synthesis, X-ray structure and reactions of (S. Gambarotta, A. Chiesi-Villa, C. Guastini), C49
- 1,3,5-Triferrocenyl-4-(1-ferrocenylethenyl)cyclohexene, cyclodimerization of 1-methyl-1,3-diferrocenylallyl cation into (E.I. Klimova, A.N. Pushin, V.A. Sazonova), 319
- ## Molybdenum
- Tricarbonylpyridine complexes,  $(NN)(py)M(CO)_3$  ( $M = Mo, W$ ;  $NN = 2,2$ -bipyridine, 1,10-phenanthroline), reactions with mercuric derivatives of (M.P. Pardo, M. Cano), 311
- ## Nickel
- $\eta^3$ -Allylbromo(ligand)nickel(II) complexes,  $C_3H_6NiBrL$ , EI-mass spectra of (N. Stransky, R. Herzschuh, J.-P. Gehrke, R. Taube), 357
- $\eta^3$ -Allylnickel(II) halide dimers,  $(C_3H_5NiX)_2$  ( $X = Cl, Br, I$ ), EI-mass spectra of (N. Stransky, R. Herzschuh, J.-P. Gehrke, R. Taube), 353
- cis*-Dicarbonyl acid derived from tetramethylethylenediaminenickel(0) and 1,3-butadiene in the presence of  $CO_2$  (H. Hoberg, B. Apoteker), C15
- $[N(CH_2CH_2PPh_2)_3]Ni$ , reactivity towards  $CS_2$ ,  $SCNPh$ , and  $COS$ ; structure of the  $\eta^2$ -S,C-bonded phosphoniodithiomethyl ester complex  $(Ph_2PCH_2CH_2N(CH_2CH_2PPh_2)_2Ni(CS_2Me))BPh_4$  (C. Bianchini, C.A. Ghilardi, A. Meli, A. Orlandini), 251
- cis*- and *trans*-1,3-Pentadiene, hydrogenation in the presence of  $(\eta^5-C_5H_5)NiOs_3-(\mu-H)_3(CO)_9$  of (M. Castiglioni, R. Giordano, E. Sappa, G. Predieri, A. Tiripicchio), C7
- ## Osmium
- Mixed metal cluster complexes of osmium with cobalt and iron, synthesis of (W.A.G. Graham, J.R. Moss), 237
- cis*- and *trans*-1,3-Pentadiene, hydrogenation in the presence of  $(\eta^5-C_5H_5)NiOs_3-(\mu-H)_3(CO)_9$  of (M. Castiglioni, R. Giordano, E. Sappa, G. Predieri, A. Tiripicchio), C7
- ## Palladium
- Arene-diazonium salts, formylation with carbon monoxide and silyl hydrides under palladium catalysis of (K. Kikukawa, T. Totoki, F. Wada, T. Matsuda), 283
- Palladium-catalysed homogeneous catalysed arylation of activated alkenes with aryl chlorides (A. Spencer), 115
- Vinyltrimethylsilane, reaction with arene-diazonium tetrafluoroborates under palladium(0) catalysis of (K. Kikukawa, K. Ikenaga, K. Kono, K. Toritani, F. Wada, T. Matsuda), 277
- ## Phosphorus
- [1-Carbonyl-1-( $\eta^5$ -cyclopentadienyl)-2,2-diphenyl-3-methyl-1-trimethylphosphine-1-tungsten-2-phosphabicyclo[1.1.0]butan-4-one] hexafluorophosphate, synthesis of an  $\eta^2$ -phosphinocarbene complex by decarbonylation of (F.R. Kreissl, M. Wolfgruber, W.J. Sieber), C4
- Dialkylphosphine oxides and alkylalkylphosphonites, oxidative addition to iridium(I) of (T.R.B. Mitchell), 245

- Dicarbonyl(pentamethylcyclopentadienyl)-ruthenium complexes, ylid reactions of (A. Stasunik, W. Malisch), C56
- Dicarbonyl( $\eta^5$ -pentamethylcyclopentadienyl)ruthenium ions,  $[\text{C}_5\text{Me}_5(\text{CO})_2\text{Ru}]^-$ , reactivity of (A. Stasunik, D.R. Wilson, W. Malisch), C18
- $\alpha$ -[Dicarbonyl( $\eta^5$ -cyclopentadienyl)trimethylphosphinungstena]- $\alpha$ -(4-methylphenyl)acetic acid methyl ester, X-ray analysis of (W.J. Sieber, M. Wolfsgruber, F.R. Kreissl, O. Orama), C41
- $[\text{N}(\text{CH}_2\text{CH}_2\text{PPh}_2)_3]\text{Ni}$ , reactivity towards  $\text{CS}_2$ ,  $\text{SCNPh}$ , and  $\text{COS}$ ; structure of  $\eta^2$ -S,C-bonded phosphoniodithiomethyl ester complex  $(\text{Ph}_2\text{PCH}_2\text{CH}_2\text{N}^-(\text{CH}_2\text{CH}_2\text{PPh}_2)_2\text{Ni}(\text{CS}_2\text{Me}))\text{BPh}_4$  (C. Bianchini, C.A. Ghilardi, A. Meli, A. Orlandini), 251
- Pt—Hg—Pt containing heterotrimetallic complexes; crystal structure of  $[(\text{PPh}_3)_2(2,4,6\text{-C}_6\text{H}_2\text{Cl}_3)\text{Pt}]_2\text{Hg}$  (O. Rossell, M. Seco, I. Torra, X. Solans, M. Font-Altava), C63
- Rh(oq)(CO) $[\text{P}(o\text{-BrC}_6\text{F}_4)\text{Ph}_2]$  type complexes, cyclometallation reactions in; molecular structure of  $\text{Rh}(\text{oq})_2\text{-}[\text{P}(o\text{-C}_6\text{H}_4)\text{Ph}_2]$  (oq = 8-hydroxyquinolate) (F.L. Barceló, J.C. Besteiro, P. Lahuerta, C. Foces-Foces, F.H. Cano, M. Martinez-Ripoli), 343
- Thioketene-cobalt complexes, preparation, structure and properties of (D. Wormsbächer, R. Drews, F. Edelmann, U. Behrens), 93
- Ti( $\text{CH}_3$ )( $\text{PH}_3$ ) $_2$ (X) $_2$ Y (X = Cl, H; Y = Cl), intramolecular CH...M interaction in and ab initio MO study of structure of (S. Obara, N. Koga, K. Morokuma), C33
- Triaryl-phosphines, -arsines and -stibines, symmetrical and unsymmetrical, one pot synthesis from the elements by the  $\text{S}_{\text{RN}}1$  mechanism of (E.R. Bornancini, R.A. Alonso, R.A. Rossi), 177
- Tributyltin derivatives of phosphorus oxy acids,  $^{119}\text{Sn}$ ,  $^{31}\text{P}$  NMR and  $^{119\text{m}}\text{Sn}$  Mössbauer study of autoassociation of (S.J. Blunden, R. Hill, D.G. Gillies), 39
- Yu.T. Struchkov), 289
- Pt—Hg—Pt containing heterotrimetallic complexes; crystal structure of  $[(\text{PPh}_3)_2(2,4,6\text{-C}_6\text{H}_2\text{Cl}_3)\text{Pt}]_2\text{Hg}$  (O. Rossell, M. Seco, I. Torra, X. Solans, M. Font-Altava), C63
- Trimethylplatinum(IV) compounds with chelating nitrogen donor ligands, preparation and characterisation of; crystal and molecular structure of iodo-trimethyl[bis(3,5-dimethyl-1-pyrazolyl)methane]platinum(IV) (H.C. Clark, G. Ferguson, V.K. Jain, M. Parvez), 365

## Rhenium

- Decacarbonyldirhenium(0), photochemically induced addition of aldehydes to (C.G. Kreiter, K.-H. Franzreb, W.S. Sheldrick), 71

## Rhodium

- Rhodium and iridium complexes containing nitrosoarene ligands, preparation and characterization of (G. Vasapollo, P. Giannoccaro, C.F. Nobile, F. Allegretta), 109
- Rh(oq)(CO) $[\text{P}(o\text{-BrC}_6\text{F}_4)\text{Ph}_2]$  type complexes, cyclometallation reactions in; molecular structure of  $\text{Rh}(\text{oq})_2\text{-}[\text{P}(o\text{-C}_6\text{H}_4)\text{Ph}_2]$  (oq = 8-hydroxyquinolate) (F.L. Barceló, J.C. Besteiro, P. Lahuerta, C. Foces-Foces, F.H. Cano, M. Martinez-Ripoli), 343

## Ruthenium

- Dicarbonyl(pentamethylcyclopentadienyl)-ruthenium complexes, ylid reactions of (A. Stasunik, W. Malisch), C56
- Dicarbonyl( $\eta^5$ -pentamethylcyclopentadienyl)ruthenium ions,  $[\text{C}_5\text{Me}_5(\text{CO})_2\text{Ru}]^-$ , reactivity of (A. Stasunik, D.R. Wilson, W. Malisch), C18
- Ruthenium-catalysed oxidation of alcohols and catechols using t-butyl hydroperoxide (Y. Tsuji, T. Ohta, T. Ido, H. Minbu, Y. Watanabe), 333

## Platinum

- $[(\text{CF}_3)_3\text{GePt}(\text{PPh}_3)_2]_2\text{Hg}$ , synthesis, structure and reactivity of (M.N. Bochkarev, N.L. Ermolaev, L.N. Zakharov, Yu.N. Safyanov, G.A. Razuvaev,

## Silicon

- Arenediazonium salts, formylation with carbon monoxide and silyl hydrides

- under palladium catalysis of  
(K. Kikukawa, T. Totoki, F. Wada,  
T. Matsuda), 283
- Cobalt or cobalt and iron substituted  
silicon, germanium and tin complexes,  
electrochemical reduction of  
(C. Combes, R.J.P. Corriu, G. Dabosi,  
B.J.L. Henner, R. Martineau), 131
- Distannanes containing  $\text{Cp}(\text{CO})_2\text{Fe}$  groups,  
synthesis by electrochemical reduction  
reactions of (C. Combes, R.J.P. Corriu,  
G. Dabosi, B.J.L. Henner, M. Martineau),  
141
- Hexaphenylethane analoga,  $\text{Ph}_3\text{Pb}-\text{MPh}_3$ ,  
M = Pb, Sn, Ge, Si, preparation and  
characterisation of (N. Kleiner,  
M. Dräger), 151
- Organosilicon derivatives of catechol,  
preparation and properties of  
(R.H. Cragg, R.D. Lane), 25
- 1-Silyl- and 1,3-disilyl-adamantanes,  
preparation of (Y.-M. Pai, E. Wanek,  
W.P. Weber), 271
- Tris(*Z*-trimethylsilylprop-1-enyl)borane,  
 $[\text{CH}_3\text{CH}=\text{CSi}(\text{CH}_3)_2]_3\text{B}$ , crystal  
structure of (N.S. Hosmane,  
N. Sirmokadam, M.D. Walkinshaw,  
E.A.V. Ebsworth), 1
- Vinyltrimethylsilane, reaction with arene-  
diazonium tetrafluoroborates under  
palladium(0) catalysis of (K. Kikukawa,  
K. Ikenaga, K. Kono, K. Toritani,  
F. Wada, T. Matsuda), 277

## Sodium

- Triaryl-phosphines, -arsines and -stibines,  
symmetrical and unsymmetrical, one  
pot synthesis from the elements by the  
 $\text{S}_{\text{RN}}1$  mechanism of (E.R. Bornancini,  
R.A. Alonso, R.A. Rossi), 177

## Sulphur

- $(\text{MeC}_5\text{H}_4)_2\text{Cr}_2(\mu\text{-SCMe}_3)(\mu_3\text{-S})_2\text{Co}(\text{CO})_2$   
and  $(\text{C}_5\text{H}_5)_2\text{Cr}_2(\mu\text{-SCMe}_3)(\mu_3\text{-S})_2$ -  
 $\text{Mn}(\text{CO})_3$  clusters with triangular  $\text{Cr}_2\text{M}$   
metal frames, synthesis, molecular struc-  
tures and magnetic properties of  
(A.A. Pasynskii, I.L. Eremenko,  
B. Orazsakhov, G.Sh. Gasanov,  
V.M. Novotortsev, O.G. Ellert,  
Z.M. Seifulina, V.E. Shklover,  
Yu.T. Struchkov), 53
- $[\text{N}(\text{CH}_2\text{CH}_2\text{PPh}_2)_3]_2\text{Ni}$ , reactivity towards  
 $\text{CS}_2$ ,  $\text{SCNPh}$ , and  $\text{COS}$ ; structure of the

- $\eta^2\text{-S,C-bonded phosphoniodithiomethyl}$   
**ester complex**  $(\text{Ph}_2\text{PCH}_2\text{CH}_2\text{N-}$   
 $(\text{CH}_2\text{CH}_2\text{PPh}_2)_2\text{Ni}(\text{CS}_2\text{Me})]_2\text{BPh}_4$   
(C. Bianchini, C.A. Ghilardi, A. Meli,  
A. Orlandini), 251
- $(\mu\text{-S})[\text{CpW}(\text{CO})_3]_2$  and  $(\mu\text{-CH}_2\text{S})$ -  
 $[\text{CpW}(\text{CO})_2]_2$ , dinuclear complexes,  
preparation of (M. Herberhold,  
W. Jellen, H.H. Murray), 65
- Tetracarbonylthiocarbonyliron, reactions  
with mercury chloride in various  
solvents of (W. Petz), 81
- Thioketene-cobalt complexes, preparation,  
structure and properties of  
(D. Wormsbäcker, R. Drews,  
F. Edelmann, U. Behrens), 93

## Tin

- Cobalt or cobalt and iron substituted  
silicon, germanium and tin complexes,  
electrochemical reduction of  
(C. Combes, R.J.P. Corriu, G. Dabosi,  
B.J.L. Henner, R. Martineau), 131
- 2,2-Dibutyl-1,3,2-dioxastannolane, X-ray  
structure of (A.G. Davies, A.J. Price,  
H.M. Dawes, M.B. Hursthouse), C1
- Dichlorobis(*N*-methylimidazole)dimethyl-  
tin(IV), crystal structure of (R. Bardi,  
A. Piazzesi, R. Ettore, G. Plazzogone),  
171
- Distannanes containing  $\text{Cp}(\text{CO})_2\text{Fe}$  groups,  
synthesis by electrochemical reduction  
reactions of (C. Combes, R.J.P. Corriu,  
G. Dabosi, B.J.L. Henner, M. Martineau),  
141
- Hexaphenylethane analoga,  $\text{Ph}_3\text{Pb}-\text{MPh}_3$ ,  
M = Pb, Sn, Ge, Si, preparation and  
characterisation of (N. Kleiner,  
M. Dräger), 151
- Tributyltin derivatives of phosphorus oxy  
acids,  $^{119}\text{Sn}$ ,  $^{31}\text{P}$  NMR and  $^{119\text{m}}\text{Sn}$   
Mössbauer study of autoassociation of  
(S.J. Blunden, R. Hill, D.G. Gillies), 39

## Titanium

- $(\eta^5\text{-C}_5\text{H}_5)_2\text{Ti}(\mu\text{-H})_2\text{AlCl}_2 \cdot \text{O}(\text{C}_2\text{H}_5)_2$ ,  
crystal and molecular structures of  
(E.B. Lobkovskii, G.L. Soloveichik,  
B.M. Bulychev, R.G. Gerr,  
Yu.T. Struchkov), 45
- $\eta^1:\eta^5$ -Dicyclopentadienyltitanium  
pyrazolone bridged complexes, syn-  
thesis and structural elucidation of  
(S. Saxena, Y.P. Singh, A.K. Rai), 301
- $\text{Ti}(\text{CH}_3)(\text{PH}_3)_2(\text{X})_2\text{Y}$  (X = Cl, H; Y = Cl),

intramolecular CH...M interaction in and ab initio MO study of structure of (S. Obara, N. Koga, K. Morokuma), C33

## Tungsten

Bis(triphenylarsine)dichlorotricarbonyltungsten as catalyst in ring-opening polymerisation of norbornene in the presence of olefins (L. Bencze, A. Kraut-Vass), 211

[1-Carbonyl-1-( $\eta^5$ -cyclopentadienyl)-2,2-diphenyl-3-methyl-1-trimethylphosphine-1-tungsten-2-phosphabicyclo[1.1.0]butan-4-one] hexafluorophosphate, synthesis of an  $\eta^2$ -phosphino-carbene complex by decarbonylation of (F.R. Kreissl, M. Wolfgruber, W.J. Sieber), C4

Dicarbonyl( $\eta^5$ -cyclopentadienyl)(diethylaminocarbyne)tungsten, carbyne-carbene rearrangement by protonation in (F.R. Kreissl, W.J. Sieber, M. Wolfgruber), C45

$\alpha$ -[Dicarbonyl( $\eta^5$ -cyclopentadienyl)trimethylphosphinetungstena]- $\alpha$ -(4-methylphenyl)acetic acid methyl ester, X-ray analysis of (W.J. Sieber, M. Wolfgruber, F.R. Kreissl, O. Orama), C41

( $\mu$ -S)[CpW(CO)<sub>3</sub>]<sub>2</sub> and ( $\mu$ -CH<sub>2</sub>S)[CpW(CO)<sub>2</sub>]<sub>2</sub>, dinuclear complexes, preparation of (M. Herberhold, W. Jellen, H.H. Murray), 65

Tricarbonylpyridine complexes, (NN)(py)M(CO)<sub>3</sub> (M = Mo, W; NN = 2,2-bipyridine, 1,10-phenanthroline), reactions with mercuric derivatives of (M.P. Pardo, A. Cano), 311

$\overline{W[C(CMe_3)C(Me)C(Me)]Cl_3}$ , crystal structure of; archetypal example of a planar delocalized tungstenacyclobutadiene

complex (M.R. Churchill, H.J. Wasserman), 201

## Vanadium

Phenylimidododecamethylvanadocene, synthesis, X-ray structure and reactions of (S. Gambarotta, A. Chiesi-Villa, C. Guastini), C49

## Zirconium

( $\eta$ -Cyclopentadienyl)( $\eta^3$ -1,1-dimethylallyl)( $\eta^4$ -isoprene)zirconium, thermally induced isomerisation of (K. Berg, G. Erker), C53

## Book reviews

Advances in polymer science. 56 (A.D. Jenkins), C30

Cyclophanes I; Topics in current chemistry, Vol. 113; ed. by F. Vögtle (E.A. Seddon), C29

Fundamental research in homogeneous catalysis. Vol. 4; ed. by M. Graziani and M. Giongo (M.F. Lappert), C67

Gmelin handbook of inorganic chemistry, 8th edit., Sc, Y, La—Lu rare earth elements. Part A 7. Y, La, and the lanthanoids; by I. Kubach and P. Schubert (M.F. Lappert), C68

Gmelin handbook of inorganic chemistry, 8th edit., Ti — Organotitanium compounds, Part 4. Mononuclear compounds 4, Cumulative index for Parts 1 to 4; by U. Thewalt (M.F. Lappert), C66

Inorganic chemistry; towards the 21st century; ed. by M.H. Chisholm (K.R. Seddon), C31