

SUBJECT INDEX

- Additive partial field gradient model** 96
- Antimony trichloride adducts, secondary bonding in** 47
- Asymmetry parameter of electric field gradient** 13, 34
- Bismuth trichloride**
aspects of bonding 48—50
structural aspects 39—41
- π -bonding in**
 Al_2Br_7^- 144
 Bhal_3 118
 $\text{Bhal}_3 \cdot \text{Me}_3\text{N}$ 118
cations *trans*- $[\text{M}(\text{en})_2\text{Cl}_2]^+$ ($\text{M} = \text{Co}, \text{Rh}$) 97
 $\text{Cu}_2\text{hal}_2(\text{PPh}_3)_5$ 160
 MoCl_5 155
 Nahal_5 154
 NbCl_5 135—136
 $\text{NbCl}_5 \cdot \text{POCl}_3$ 135—136
 ReCl_5 155
 Tahal_5 154
tetrahedral R_2Nihal_2 complexes 77
 $\text{TiCl}_4 \cdot n\text{L}$ 129—130
 WCl_5 155
- Charge transfer amount in**
 $\text{GaCl}_3 \cdot \text{L}$ 107
 $\text{SbCl}_3 \cdot \text{L}$ 122
 $\text{SbCl}_5 \cdot \text{L}$ 107
- cis-trans*-Isomerism in**
 $\text{HfCl}_4 \cdot 2\text{MeCN}$ 131
 $\text{MoCl}_4 \cdot 2\text{MeCN}$ 131
 PtI_2I_2 207
- cis-trans*-Isomerism in**
 $\text{SnCl}_4 \cdot 2\text{L}$ 111—113
 $\text{TiCl}_4 \cdot 2\text{L}$ 128, 130
 $\text{ZrCl}_4 \cdot 2\text{MeCN}$ 131
- ^{35}Cl NQR frequencies vs heats of formation for**
 $\text{GaCl}_3 \cdot \text{L}$ 103
 $\text{SbCl}_5 \cdot \text{L}$ 107
 $\text{SnCl}_4 \cdot 2\text{L}$ 113
- Compounds in glassy and crystalline state**
 As_2S_3 198
 As_2Se_3 198
 $\text{P}_2\text{O}_3\text{Cl}_4$ 198—199
- Continuous wave techniques** 22—24
- Cotton and Harris model** 35
- Crystallographic inequivalence** 37, 63
- Double resonance techniques** 27
- Dual functions of TeCl_4** 124—128
- Effective charges on the atoms in**
 $\text{GaCl}_3 \cdot \text{L}$ 107
 Ga_2Br_6 147
 Ga_2Cl_6 147
 KAl_2Br_7 144
 $(\text{Me}_4\text{N})_2\text{Ga}_2\text{Br}_6$ 147
 $(\text{Me}_4\text{N})_2\text{Ga}_2\text{Cl}_6$ 147
 NaGaCl_4 107
 RAl_2Br_7 143
 RSbCl_6 107
 $\text{SbCl}_5 \cdot \text{L}$ 107
- Effective charges on the atoms of V-shaped cations**

- (SbBr₂⁺, ICl₃⁺, I₂Cl⁺, I₃⁺) in ionic complexes 90
- EFG-contributions at
- Ag₃SbS₃ 173
 - ⁷⁵As in Ag₃AsS₃ 173
 - ²⁰⁹Bi in BiOhal 182—184
 - ⁸¹Br in CdBr₂ 178—181
 - ³⁵Cl in CsGeCl₃ 190
 - CsPbCl₃ 190
 - CuSbS₂ 173
 - ¹²⁷I in CdI₂ 178—181
 - ¹²⁷I in NaIO₄ 99—100
 - ⁹³Nb in alloys Nb₃M 209
 - ¹⁸⁵Re in KReO₄ 99—100
 - Sb in Ag₅SbS₄ 173
 - ¹²¹Sb in Menshukin complexes 121
- Electric field gradient, EFG 10, 28, 29
- Electroacoustic echo 210—211
- Ferro- and antiferroelectric properties of
- Ag₃AsS₃ 192
 - Ag₃SbS₃ 192
 - BiVO₄ 189
 - CsGeCl₃ 190
 - CsPbCl₃ 190
 - KNbO₃ 189—190
 - LiNbO₃ 189—190
 - LiTaO₃ 189—190
 - NaNbO₃ 189—190
 - SbNbO₄ 189
 - SbTaO₄ 189
 - Sb₂S₃ 192
- Ferroelastic properties of
- LaNbO₄ 189
 - LuNbO₄ 189
 - α-Sb₅O₇I 184
- Field-frequency method 18—19
- Hexachlorometallates(IV), ion-ion repulsions in 54—58
- Hexachlorometallates(V), spectral splittings in 63—64
- Innersphere conversions in
- cis*-Pt(etNH₂)₂I₂ 206
 - cis*-Pt(meNH₂)₂I₂ 206
- Ligand donating power in
- GaCl₃·L 106
 - SbCl₅·L 109
 - SnCl₄·2L 111
- Marino and Toyama method 21
- Mercury iodide adducts, secondary bonding in 47
- ⁹³Nb QCC in alloys
- Nb₃Al 208
 - Nb₃Ga 208
 - Nb₃Ge 208
 - Nb₃Ir 208
 - Nb₃Os 208
 - Nb₃Pt 208
 - Nb₃Sn 208
- NQR in the systems
- CdSb + ZnSb 201
 - Na₂S + Sb₂S₃ 200—201
 - Sb₂S₃ + Bi₂S₃ 194—195
- NQR spectra of
- Ag₅^{121,123}SbS₄ 172
 - ²⁷Al⁸¹Br₃ 119, 139—140
 - Al⁶¹Br₃·L 119
 - Al¹²⁷I₃ 139
 - ⁷⁵As₂S₃ 170, 196
 - ⁷⁵As₂Se₃ 170, 196
 - ⁷⁵As₂Te₃ 170
 - Au³⁵Cl₃ 139
 - B⁸¹Br₃ 116
 - B⁸¹Br₃·Me₃N 116
 - B³⁵Cl₃ 116
 - B³⁵Cl₃·Me₃N 116
 - B¹²⁷I₃ 116
 - B¹²⁷I₃·Me₃N 116
 - Ba⁸¹Br₂·2H₂O 177
 - ¹³⁷Ba⁸¹Br₂·2H₂O 177
 - ¹³⁷BaCl₂·2H₂O 177
 - Ba¹²⁷I₂·2H₂O 177
 - BiCl₃ 40
 - ²⁰⁹Bi³⁵Cl₃ 124
 - ²⁰⁹Bi³⁵Cl₃·L 124
 - ²⁰⁹Bi³⁵Cl₃·2L 124
 - Bi¹²⁷I₃ 179
 - ²⁰⁹BiNbO₄ 187
 - ²⁰⁹BiOhal 183
 - ²⁰⁹BiTaO 187

NQR spectra of

- $^{209}\text{BiVO}_4$ 187
 $^{209}\text{Bi}_2\text{Mo}_3\text{O}_{12}$ 190
 $^{209}\text{Bi}_2\text{S}_3$ 170, 196
 $^{209}\text{Bi}_2\text{WO}_6$ 190
 $^{209}\text{Bi}_3\text{O}_4\text{Br}$ 183
 $^{209}\text{Bi}_3\text{O}_4\text{Cl}$ 183
 $^{209}\text{Bi}_4\text{Ge}_3\text{O}_{12}$ 190
 $^{209}\text{Bi}_4\text{Ti}_3\text{O}_{12}$ 190
 $^{209}\text{Bi}_{12}\text{GeO}_{20}$ 190
 $^{209}\text{Bi}_{12}\text{SiO}_{20}$ 190
 $\text{Ca}^{81}\text{Br}_2$ 177
 $\text{Ca}^{81}\text{Br}_2 \cdot 2\text{H}_2\text{O}$ 177
 $\text{Ca}^{127}\text{I}_2 \cdot 6\text{H}_2\text{O}$ 177
 $\text{Cd}^{81}\text{Br}_2$ 177
 $\text{Cd}^{127}\text{I}_2$ 177
 $\text{Cd}^{121,123}\text{Sb}$ 201
 $\text{Co}^{35}\text{Cl}_2$ 177
 $\text{Co}^{35}\text{Cl}_2 \cdot 2\text{H}_2\text{O}$ 177
 $\text{Co}^{35}\text{Cl}_2 \cdot 6\text{H}_2\text{O}$ 177
 $\text{Cr}^{81}\text{Br}_3$ 179
 $\text{Cr}^{35}\text{Cl}_2$ 177
 $\text{Cr}^{35}\text{Cl}_3$ 179
 $\text{CrO}_2 \cdot ^{35}\text{Cl}_2$ 166
 $\text{Cs}^{69}\text{Ga}_2 \cdot ^{127}\text{I}_7$ 142
 $\text{Cs}^{121,123}\text{Sb}_3 \cdot ^{35}\text{Cl}_9$ 145
 $\text{Cs}_3^{121,123}\text{Sb}_2 \cdot ^{81}\text{Br}_9$ 145
 $\text{Cs}_3^{121,123}\text{Sb}_2 \cdot ^{127}\text{I}_9$ 145
 $\text{Cu}^{81}\text{Br}_2$ 167
 $\text{Cu}^{35}\text{Cl}_2$ 167
 $^{63}\text{Cu}_2 \cdot ^{81}\text{Br}_2(\text{PPh}_3)_3$ 157, 159
 $^{63}\text{Cu}_2\text{Cl}_2(\text{PPh}_3)_3$ 159
 $^{63}\text{Cu}_2 \cdot ^{127}\text{I}_2(\text{PPh}_3)_3$ 157, 159
 $(\text{Et}_4\text{N})_2 \cdot ^{69}\text{Ga}_2 \cdot ^{81}\text{Br}_6$ 146
 $(\text{Et}_4\text{N})_2 \cdot ^{69}\text{Ga}_2 \cdot ^{35}\text{Cl}_6$ 146
 $\text{Fe}^{35}\text{Cl}_2$ 177
 $\text{Fe}^{35}\text{Cl}_3$ 179
 $^{69}\text{Ga} \cdot ^{81}\text{Br}_3$ 139—140
 GaCl_3 20
 $^{69}\text{Ga} \cdot ^{35}\text{Cl}_2$ 139—140
 $^{69}\text{Ga} \cdot ^{127}\text{I}_3$ 139—140
 GeCl_4 20
 $\text{Hf}^{81}\text{Br}_4$ 166
 $\text{Hf}^{35}\text{Cl}_4$ 166
 $\text{Hf}^{35}\text{Cl}_4 \cdot 2\text{MeCN}$ 131
 $\text{HfCl}_4 \cdot n\text{PO}^{35}\text{Cl}_2$ 131

NQR spectra of

- $\text{Hf}^{127}\text{I}_4$ 166
 $\text{Hg}^{81}\text{Br}_2$ 167
 HgCl_2 20
 $\text{Hg}^{35}\text{Cl}_2$ 167
 $\text{Hg}^{127}\text{I}_2$ 167
 $^{127}\text{I} \cdot ^{35}\text{Cl}_3$ 139—140
 $^{115}\text{In} \cdot ^{127}\text{I}_3$ 139—140
 ionic compounds with V-shaped cations
 (SbBr_2^+ , SbI_2^+ , $\alpha\text{-I}_3^+$, I_2Cl^+ , ClF_2^+ , BrF_2^+) 88—89, 93
 ionic tetrafluorohalide(V)fluoroantimonates(V) 93
 ionic trichlorosulphonium(IV)chlorometallates (^{35}Cl) 83—84
 $\text{KHg}^{127}\text{I}_3 \cdot \text{H}_2\text{O}$ 167
 $\text{K}^{69}\text{NbO}_3$ 190
 $^{139}\text{La} \cdot ^{69}\text{NbO}_4$ 187
 $\text{Li}^{69}\text{NbO}_3$ 190
 $^{175}\text{LuNbO}_4$ 187
 $(\text{Me}_4\text{N})_2 \cdot ^{69}\text{Ga}_2 \cdot ^{81}\text{Br}_6$ 146
 $(\text{Me}_4\text{N})_2 \cdot ^{69}\text{Ga}_2 \cdot ^{35}\text{Cl}_6$ 146
 $(\text{Me}_4\text{N})_3 \cdot \text{Bi}_2 \cdot ^{81}\text{Br}_9$ 145
 $(\text{Me}_4\text{N})_3 \cdot \text{Bi}_2 \cdot ^{35}\text{Cl}_9$ 145
 $(\text{MeNH}_3)_3 \cdot \text{Bi}_2 \cdot ^{81}\text{Br}_9$ 145
 $(\text{MeNH}_3)_3 \cdot ^{209}\text{Bi}_2 \cdot ^{35}\text{Cl}_9$ 145
 $(\text{MeNH}_3)_3 \cdot \text{Sb}_2 \cdot ^{81}\text{Br}_9$ 145
 $\text{Me}_4\text{NHg}^{127}\text{I}_3$ 167
 $\text{Mo}^{35}\text{Cl}_4 \cdot 2\text{MeCN}$ 131
 $\text{Mo}^{35}\text{Cl}_5$ 148
 $\text{MoO}^{35}\text{Cl}_4$ 157
 $\text{MoO}_2 \cdot ^{35}\text{Cl}_2$ 166
 $\text{Na}^{69}\text{NbO}_3$ 190
 $^{93}\text{Nb} \cdot ^{81}\text{Br}_5$ 148—149
 $^{93}\text{Nb} \cdot ^{35}\text{Cl}_5$ 148—149
 $^{93}\text{Nb} \cdot ^{35}\text{Cl}_5 \cdot \text{L}$ 134—135
 $\text{Nb}^{125}\text{I}_5$ 149
 $\text{NbO}^{81}\text{Br}_3$ 157
 $^{93}\text{NbO} \cdot ^{35}\text{Cl}_3$ 157, 159
 $^{93}\text{Nb}_2 \cdot ^{81}\text{Br}_6(\text{SC}_4\text{H}_8)_3$ 158, 159
 $^{93}\text{Nb}_2 \cdot ^{35}\text{Cl}_6(\text{SC}_4\text{H}_8)_3$ 158, 159
 $^{93}\text{Nb}_2 \cdot ^{127}\text{I}_6(\text{SC}_4\text{H}_8)_3$ 158, 159
 $\text{Nd}^{81}\text{Br}_3$ 179
 octahedral complexes of $^{59}\text{Co(III)}$ 95
 $\text{Pb}^{81}\text{Br}_2$ 167, 177

NQR spectra of

$\text{Pb}^{127}\text{I}_2$	177
$\alpha\text{-Pd}^{35}\text{Cl}_2$	166
$\beta\text{-Pd}^{35}\text{Cl}_2$	166
periodates $\text{A}^{127}\text{IO}_4$	99
perrhenates $\text{A}^{185}\text{ReO}_4$	99
$\beta\text{-Pt}^{35}\text{Cl}_2$	166
$\text{RAl}_2^{81}\text{Br}_7$	141—142
$\text{R}^{69}\text{Ga}_2^{81}\text{Br}_7$	142
$\text{R}^{69}\text{Ga}_2^{35}\text{Cl}_7$	142
$\text{RH}_2^{75}\text{AsO}_4$	100
$\text{R}^{121,125}\text{SbS}_2$	172
$\text{R}^{121,123}\text{SbSe}_2$	172
$\text{R}_2\text{H}^{75}\text{AsO}_4$	100
$\text{R}_3^{209}\text{BiS}_3$	172
$\text{R}_3^{121,123}\text{SbS}_3$	172
$\text{Re}^{35}\text{Cl}_5$	149
$\text{Ru}^{35}\text{Cl}_3$	179
$^{121,123}\text{Sb}^{35}\text{Cl}_5$	139—140
$^{121,123}\text{SbF}_3$	162
$^{121,123}m\text{SbF}_3 \cdot n\text{M}'\text{hal}$	162
$^{121,123}\text{SbNbO}_4$	187
$^{121,123}\text{SbPO}_4$	187
$^{121,123}\text{SbTaO}_4$	187
$^{121,123}\alpha\text{-Sb}_2\text{O}_4$	187
$^{121,123}\beta\text{-Sb}_2\text{O}_4$	187
$^{121,123}\text{Sb}_2\text{S}_3$	170, 190
$^{121,123}\text{Sb}_2\text{Se}_3$	170, 196
$^{121,123}\text{Sb}_4\text{O}_5\text{Cl}_2$	183
$^{121,123}\alpha\text{-Sb}_5\text{O}_7^{127}\text{I}$	183
$\text{Sc}^{127}\text{I}_3$	179
$\text{Sn}^{81}\text{Br}_3$	167
$\text{Sn}^{35}\text{Cl}_2$	167
SnCl_2	168
$\text{Sn}^{35}\text{Cl}_4 \cdot 2\text{L}$	110
square-planar $(\text{Bu}_3^{\text{n}}\text{P})_2\text{Ni}^{79}\text{Br}_2$	77
square-planar $(\text{Bu}_3^{\text{n}}\text{P})_2\text{Ni}^{35}\text{Cl}_2$	77
square-planar $(\text{Pr}_3^{\text{n}}\text{P})_2\text{Ni}^{79}\text{Br}_2$	77
square-planar $(\text{Pr}_3^{\text{n}}\text{P})_2\text{Ni}^{35}\text{Cl}_2$	77
$\text{Sr}^{81}\text{Br}_2 \cdot 2\text{H}_2\text{O}$	177
$\text{Sr}^{127}\text{I}_2 \cdot 6\text{H}_2\text{O}$	177
$^{181}\text{Ta}^{81}\text{Br}_5$	148, 150
TaCl_5	147, 151
$^{181}\text{Ta}^{35}\text{Cl}_5$	148, 149
$^{181}\text{Ta}^{35}\text{Cl}_5 \cdot \text{L}$	132—133
$^{181}\text{Ta}^{127}\text{I}_5$	149, 150

NQR spectra of

$\text{Ta}_2^{81}\text{Br}_6(\text{Sc}_4\text{H}_9)_3$	158
$\text{Ta}_2^{35}\text{Cl}_6(\text{SC}_4\text{H}_9)_3$	158
$\text{Te}^{81}\text{Br}_4 \cdot \text{AlBr}_3$	126
$\text{Te}^{81}\text{Br}_4$	126
$\text{Te}^{35}\text{Cl}_4$	126
$\text{Te}^{35}\text{Cl}_4 \cdot \text{AlCl}_3$	126
$\text{Te}^{35}\text{Cl}_4 \cdot 2(\text{CH}_3)_2\text{SO}$	126
$\text{Te}^{35}\text{Cl}_4 \cdot (\text{C}_2\text{H}_7)_2\text{S}$	126
$\text{Te}^{35}\text{Cl}_4 \cdot \text{PO}^{35}\text{Cl}_3$	126
tetrabromocadmates(II)	79
tetrachloriodates(III)	69
tetrahaloaluminates(III)	69
tetrahaloaurates(III)	69
tetrahalogallates(III)	69
tetrahalomercurates(II)	79
tetrahalopalladates(II)	69
tetrahaloplatinates(II)	69
tetrahalozincates(II)	78—79
tetrahedral $(\text{Ph}_3\text{P})_2\text{Ni}^{79}\text{Br}_2$	77
tetrahedral $(\text{Ph}_3\text{P})_2\text{Ni}^{35}\text{Cl}_2$	77
tetrahedral $(\text{Ph}_3\text{P})_2\text{Ni}^{127}\text{I}_2$	77
tetraiodothallates(III)	69
$\text{Ti}^{81}\text{Br}_3$	179
$\text{Ti}^{35}\text{Cl}_2$	177
$\text{Ti}^{35}\text{Cl}_3$	179
$\text{Ti}^{35}\text{Cl}_4$	128
$\text{Ti}^{35}\text{Cl}_4 \cdot \text{L}$	128
$\text{Ti}^{35}\text{Cl}_4 \cdot 2\text{L}$	128
transition metal hexahalides(IV)	59
U^{35}Cl_3	179
U^{127}I_3	179
V^{35}Cl_3	179
W^{35}Cl_5	148
$\text{WO}^{35}\text{Cl}_3$	157, 166
$\text{WO}^{35}\text{Cl}_4$	166
Y^{35}Cl_3	179
$\text{Yb}^{229}\text{NbO}_4$	187
$\text{Zn}^{81}\text{Br}_2$	167
$\text{Zn}^{35}\text{Cl}_2$	167
$\text{Zn}^{127}\text{I}_2$	167
$\text{Zn}^{121,123}\text{Sb}$	201
$\text{Zr}^{81}\text{Br}_4$	166
$\text{Zr}^{35}\text{Cl}_4$	166
$\text{Zr}^{35}\text{Cl}_4 \cdot 2\text{MeCN}$	131
$\text{ZrCl}_4 \cdot n\text{PO}^{35}\text{Cl}_3$	131

- NQR spectra of
 $Zr^{127}I_4$ 166
- Nuclear quadrupole moment 10
- Nuclear quadrupole resonance spectra of
 hexachloroantimonates(V) 63
 hexachlorometallates(IV) 63
 hexachlorometallates(V) 63
 hexahalobismuthates(V) 63
 hexahalometallates(III) 64
- Phase transitions in
 $AgAsS_3$ 192
 Ag_3AsS_3 192
 Ag_3SbS_3 192
 Cs_2CdBr_4 81
 Cs_2HgBr_4 81
 K_2ZnCl_4 81
 $(NH_4)_2ZnCl_4$ 81
 Rb_2ZnCl_4 81
 $TlAsSe_2$ 192
- Piezoelectric properties of
 Ag_3AsS_3 192
 Ag_3SbS_3 192
 $Bi_4Ti_3O_{12}$ 191
 $Bi_{12}GeO_{20}$ 191
 $Bi_{12}SiO_{20}$ 191
- Polymorphic transitions in
 As_2S_3 202—203
 As_2S_5 203—204
cis- $Pt(meNH_2)_2I_2$ 205—206
- Pulsed line narrowing 25—26
- Quadrupole coupling constant, QCC
 13, 31
- Secondary bonding in
 ionic compounds with V-shaped cations 90—92
 ionic trichlorosulphonium(IV) chlorometallates 87
- Solid-state effect in
 octahedral complexes of Co(III) 96—97
 tetrahalozincates(II) 82
- Spin-echo or pulse technique 24—25
- Spin-echo Zeeman experiments 21
- Spin-lattice relaxation time T_1 25
- Spin-spin relaxation time T_2 25
- Sternheimer antishielding 55
 in $K^{185}ReO_4$ 99
 in $Na^{127}IO_4$ 99
- Structural data for
 $AgAsS_2$ 171
 $AgSbS_2$ 171
 $AlBr_3$ 138
 $AlCl_3$ 181
 As_2S_3 169, 171
 As_2Se_3 171
 As_2Te_3 171
 $BaBr_2 \cdot 2H_2O$ 176
 $BaCl_2 \cdot 2H_2O$ 176
 $BiCl_3$ 181
 $BiNbO_4$ 188
 $BiOhal$ 182
 $BiTaO_4$ 188
 Bi_2S_3 170
 $Bi_4Ge_3O_{12}$ 191
 $Bi_4Si_3O_{12}$ 191
 $Bi_4Ti_3O_{12}$ 191
 $Bi_{12}GeO_{20}$ 191
 $CdBr_2$ 180
 CdI_2 180
 $CrCl_3$ 181
 $CsSbClF_3$ 165
 $CsSbF_4$ 164
 $CsSb_2F_7$ 164
 $Cs_3Sb_2hal_9$ 144
 $Cuhal_2$ 168
 $CuSbS_2$ 171
 $FeCl_3$ 181
 $GaCl_3$ 138
 $HfCl_4$ 165
 HfI_4 165
 $Hghal_2$ 168
 ICl_3 138
 InI_3 138
 ionic compounds with V-shaped cations 90—91, 92
 ionic tetrafluorohalide(V)polyfluoroantimonates(V) 92—93
 KAl_2Br_7 139
 $KHgI_3 \cdot H_2O$ 168
 $KSbClF_3$ 163

Structural data for

KSbF_4 165
 KSb_2F_7 161
 $(\text{Me}_4\text{N})_2\text{Ga}_2\text{Cl}_6$ 147
 Me_4NHgI_3 168
 MoCl_5 147
 NbBr_5 147, 151
 NbCl_5 147, 151
 $\text{NbCl}_5 \cdot \text{POCl}_3$ 135
 PdCl_2 168
 pentahalozincates(II) 81—82
 periodates $\text{Al}^{\text{VII}}\text{O}_4$ 99
 perrhenates $\text{ARe}^{\text{VII}}\text{O}_4$ 99
 PrBr_3 181
 PtCl_2 168
 ReCl_5 147
 SbNbO_4 188
 SbPO_4 188
 SbTaO_4 188
 $\beta\text{-Sb}_2\text{O}_4$ 186
 $\alpha\text{-Sb}_2\text{O}_4$ 186
 Sb_2S_3 171
 Sb_2Se_3 171
 $\text{Sb}_4\text{O}_5\text{Cl}_2$ 184
 $\alpha\text{-Sb}_5\text{O}_7\text{I}$ 184
 $\text{SnBr}_2 \cdot \text{H}_2\text{O}$ 177

Structural data for

SrBr_2 176
 TiAsS_2 171
 TiCl_3 181
 $\text{TiCl}_4 \cdot \text{L}$ 129
 TlBr_3 181
 trichlorosulphonium(IV) tetrachloro-
 aluminate(III), $\text{SCl}_3^+ \cdot \text{AlCl}_4^-$ 85—86
 trichlorosulphonium(IV) tetrachloro-
 iodate(III), $\text{SCl}_3^+ \cdot \text{ICl}_4^-$ 85—86
 UI_3 181
 $\alpha\text{-ZnCl}_2$ 168
 ZnI_2 168
 ZrCl_4 165
 ZrI_4 165

Townes and Dailey approach, bonding
 model in terms of 30—32, 43—45
 Transition metal hexachloroanions(IV),
 contributions to ^{35}Cl frequency tem-
 perature coefficient in 58—61

Width of NQR line 25

Zeeman experiments 16—22

Zero-splitting locus method 17—18