

## Contents

Contents of Number 1	
<i>Original Communications</i>	
Crystal Structure of $\text{Li}_6\text{MgBr}_8$ and $\text{Li}_2\text{MgBr}_4$ (In German) M. SCHNEIDER, P. KUSKE, and H. D. LUTZ 1	Preparation and Spectroscopic Characterization of the Oxorhenates(V), $[\text{ReOI}_4]^-$ and $[\text{ReO}(\text{SCF}_3)_4]^-$ (In German) W. PREETZ and W. LIERKA 44
First Crystal Structure Determination of an Alu- minium Magnesium Alkoxide (In German) J. SASSMANNSHAUSEN, R. RIEDEL, K. B. PFLANZ, and H. CHMIEL 7	Determination of Hydrogen in Metals, Metal Hy- drides and Hydrid Halides (In German) R. EGER, H. MATTAUSCH, and A. SIMON 48
Pressure-Induced Phase Transition of the Alkali Metal Amalgam $\text{KHg}_2$ H.-J. BEISTER, K. SYASSEN, H.-J. DEISEROTH, and D. TOELSTEDT 11	The Ternary Uranium Transition Metal Phos- phides $\text{UV}_5\text{P}_3$ , $\text{UCr}_5\text{P}_3$ , and $\text{UMn}_5\text{P}_3$ W. JEITSCHKO, R. BRINK, and P. G. POLLMEIER 52
Investigations on the Distribution of Anion Va- cancies in $\text{Sr}_2\text{MnO}_{4-y}$ (In German) R. KRIEGEL, H. BORRMANN, A. SIMON, and A. FELTZ 15	Reactive $\text{E}=\text{C}(\text{p}-\text{p})\pi$ -Systems, XXXIV. Addition of Alcohols or Primary Amines to Phospha- alkenes $\text{F}_3\text{CP}=\text{C}(\text{F})\text{OR}$ . Novel Trifluormethyl- phosphanes and Phosphaalkenes (In German) J. GROBE, D. LE VAN, and G. LANGE 58
Crystal Structure of Bromochloromethyleneiminium Hexachloroantimonate $\text{BrClC}=\text{NH}_2^+\text{SbCl}_6^-$ (In German) R. MINKWITZ, W. MECKSTROTH, and H. PREUT 19	Synthesis and Properties of Derivatives of the 4,5-Benzo-2,3-dihydro-1,3-diborole (In German) H. SCHULZ, TH. DEFORTH, and W. SIEBERT 68
Crystal Structure of the Cadmium Thiocyanate Hexamethylenetetramine Adduct $\text{Cd}(\text{SCN})_2 \cdot \text{C}_6\text{H}_{12}\text{N}_4 \cdot 2\text{H}_2\text{O}$ (In German) J. PICKARDT and G.-T. GONG 23	1,1,1-Tetrakis[triorganylphosphineaurio(I)]- ethanium(+) Tetrafluoroborates – Hypercoor- dinated Species Containing $[\text{H}_3\text{C}-\text{C}(\text{AuL})_4]^+$ Cations O. STEIGELMANN, P. BISSINGER, and H. SCHMID- BAUR 72
Propargyl-, Allenyl- and Alkynyl-Phosphanes; Synthesis, Reactivity, Isomerization (In German) H. LANG, U. LAY, M. LEISE, and L. ZSOLNAI 27	The Crystal Structure of N-Trimethylsilyl-3,4-di- methylpyridinium Bromide (In German) K. HENSEN and P. WAGNER 79
[ $\mu$ -Bis(dialkylphosphino)alkane]-bis[pentacarbonyl- metal(0)] Complexes of the Group 6 B Elements: Synthesis and Spectroscopic Study Z. ÖZER, S. ÖZKAR, and H. Ö. PAMUK 37	On the Existence of Gadolinium(III)-sulfite Di- hydrate $\text{Gd}_2(\text{SO}_3)_3 \cdot 2\text{H}_2\text{O}$ (In German) H.-U. HUMMEL, P. JOERG, and G. PEZZEI 82
	Synthesis and Characterization of Halogen-phos- phorus(III) Derivatives of 8-Hydroxyquinoline. X-Ray Structure Analysis of 8-[Phenyl(chloro)- phosphito]-Quinoline (In German) Y. LIN, P. G. JONES, and R. SCHMUTZLER 85

- Preparation and Crystal Structure of Bis(dicyclohexylammonium)-heptasulfide  $[\text{H}_2\text{N}(\text{C}_6\text{H}_{11})_2]_2\text{S}_7$  (In German)  
C. MÜLLER and P. BÖTTCHER 90
- 2-Phosphinotetrazoles and their Transformation to 1,3,4,2 $\lambda^5$ -Thia- and -Selenadiazaphosphole Dimers (In German)  
A. SCHMIDPETER and G. JOCHEM 93
- Electronic Structure Determination of Co(II)-Nucleotide Complexes by Using Magnetic and Mößbauer Emission Measurements  
A. CAUBET, V. MORENO, A. LABARTA, and J. TEJADA 98
- Application of Hexafluoroacetone as Protecting and Activating Reagent in Amino Acid and Peptide Chemistry. N-Substituted Glycine Derivatives from Iminodiacetic Acid (In German)  
K. BURGER, H. NEUHAUSER, and A. WORKU 107
- Notes*
- Synthesis of Polyborylated Ferrocenes (In German)  
B. WRACKMEYER, U. DÖRFLER, and M. HERBERHOLD 121
- Contents of Number 2
- Original Communications*
- Reactions of Oxovanadium(IV) and -(V) Dipicolinato Complexes with Benzoylhydrazine. Crystal Structures of  $[\text{VO}(\text{dipic})(\text{NH}_2\text{NHC}(\text{O})\text{Ph})] \cdot \text{NH}_2\text{NHC}(\text{O})\text{Ph} \cdot \text{H}_2\text{O}$ ,  $[\text{C}(\text{NH}_2)_3][\text{VO}(\text{dipic})(\text{NHNC}(\text{O})\text{Ph})] \cdot 2\text{H}_2\text{O}$  and the "Blue" Modification of  $[\text{VO}(\text{dipic})(\text{H}_2\text{O})_2] \cdot 2\text{H}_2\text{O}$  (In German)  
A. SUNDHEIM and R. MATTES 125
- Synthesis and Crystal Structure of Rubidium Dicyanoargentate(I),  $\text{Rb}[\text{Ag}(\text{CN})_2] \cdot 0,4\text{H}_2\text{O}$  (In German)  
S. KÜHNEL and K.-J. RANGE 133
- Detection and Calculation of the CD Spectra from the Biaryl Alkaloids Ancistrocladeine and Dioncophylleine A (In German)  
J. FLEISCHHAUER, A. KOSLOWSKI, B. KRAMER, E. ZOBEL, G. BRINGMANN, K. P. GULDEN, T. ORTMANN, and B. PETER 140
- Synthesis and Crystal Structures of the Ionic Crown Ether Complexes  $[\text{TiCl}_3(15\text{-Crown-5})\text{-}(\text{CH}_3\text{CN})][\text{SbCl}_6]$  and  $[\text{VCl}(\text{OH})(18\text{-Crown-6})\text{-}(\text{CH}_3\text{CN})_2][\text{SbCl}_6] \cdot \frac{1}{2}(18\text{-Crown-6} \cdot \text{CH}_3\text{CN})$  (In German)  
M. PLATE, G. FRENZEN, and K. DEHNICKE 149
- Syntheses and Crystal Structures of the Lithium Phosphides  $\{\text{Li}(\text{DME})[\text{P}(t\text{-Bu})_2]\}_2$  and  $[\text{Li}(\text{DME})\text{PPh}_2]_x$  (In German)  
G. STIEGLITZ, B. NEUMÜLLER, and K. DEHNICKE 156
- Binuclear Fulvalene and Bis(cyclopentadienyl)-methane Halfsandwich Complexes of Manganese and Rhenium Containing Tetrahydrothiophene Ligands. X-Ray Structure Analysis of  $\{(\text{CO})_2\text{Mn}[\text{C}_5\text{H}_4\text{-C}_5\text{H}_4]\text{Mn}(\text{CO})_2\}(\mu\text{-SC}_4\text{H}_8)$   
M. HERBERHOLD, M. BIRSACK, TH. E. BITTERWOLF, and A. L. RHEINGOLD 161
- Synthesis, Liquid Crystals and Photochemistry of Di- and Tristyrylbenzenes with Alkoxy Side Chains (In German)  
G. ZERBAN and H. MEIER 171
- Synthesis and Ligand Exchange Reaction of Some Organotin(IV) Bis(N-arylsulphonyl-N-arylhydroxylaminates)  
M. K. DAS, M. NATH, and S. DE 185
- Metal Complexes of Dyes, IV. Transition Metal Compounds of the Dianions of Epindolidione and 2,8-Dimethylepindolidione as Bis(chelate) Ligands (In German)  
CHR. SCHMIDT and W. BECK 189
- On the Hydrolysis of Monoorganotin Trihalides, V. Solid State  $^{119}\text{Sn}$  NMR and IR Spectra of the  $[(i\text{-PrSn})_{12}\text{O}_{14}(\text{OH})_6]^{2+}$  Ion  
H. REUTER and A. SEBALD 195

- Syntheses and Structural Comparison of Some Tellurium(IV) Iminates (In German)  
J. MÜNZENBERG, H. W. ROESKY, M. NOLTE-MEYER, S. BESSER, and R. HERBST-IRMER 199
- A New Antibiotic Chloro-Sesquiterpene from the Caribbean Sponge *Smenospongia aurea*  
A. AIELLO, E. FATTORUSSO, and M. MENNA 209
- Intramolecular Cycloadditions with Isobenzofurans, IX. Synthesis of a Pyrano[3,2-c]carbazol (In German)  
J. NAGEL, W. FRIEDRICHSEN, and T. DEBAERDE-MAEKER 213
- YbMgSn and  $\text{Eu}_3\text{Mg}_4\text{Sn}_4$ , First Ternary Compounds in the Systems Rare Earths–Magnesium–Tin (In German)  
H. ALLESCHER-LAST and H.-U. SCHUSTER 240
- On the Reaction of Protonated Hydrazoic Acid with Sulfurdichloride and the Crystal Structure of  $\text{N}(\text{SCl})_2^+\text{SbCl}_6^-$  (In German)  
R. MINKWITZ, U. BUDDE, B. BÄCK, and H. PREUT 243
- Headspace Constituents of Shellac  
G. BUCHBAUER, L. JIROVETZ, M. WASICKY, and A. NIKIFOROV 247

## Notes

- Synthesis and Crystal Structure of the Diethylaminogallane Dimer,  $[\text{H}_2\text{GaN}(\text{CH}_2\text{CH}_3)_2]_2$  (In German)  
J. LORBERTH, R. DORN, W. MASSA, and S. WOCADLO 224
- Synthesis, Characterization and Investigation of Hydrotris(1-pyrazolyl)borato-technetium(VII) Trioxide and Hydrotris(3,5-dimethyl-1-pyrazolyl)borato-technetium(VII) Trioxide (In German)  
J. E. JOACHIM, CHR. APOSTOLIDIS, B. KANNEL-LAKOPULOS, R. MAIER, and M. L. ZIEGLER 227
- Synthesis and Single Crystal Structure Analysis of the Oxide Nitrite  $\text{K}_5\text{AgO}_2(\text{NO}_2)_2$  (In German)  
TH. BREMM and M. JANSEN 230
- Structure Refinement of Rubidium Perrhenate at 297 and 159 K (In German)  
P. RÖGNER and K.-J. RANGE 233
- On the Space Group of Cesium Perbromate,  $\text{CsBrO}_4$   
P. RÖGNER, U. SCHIESSL, and K.-J. RANGE 235
- An Orthoperrhenate with Face-Sharing  $\text{ReO}_6$  Octahedra: High-Pressure Synthesis and Crystal Structure of  $\text{K}_3\text{NaRe}_2\text{O}_9$  (In German)  
K.-J. RANGE and A. ATZESDORFER 237
- Contents of Number 3
- Original Communications*
- Synthesis of N-Silylated Diaminosulfanes from Functionally Substituted Sulfur Diimides and Hexachlorodisilane and Octachlorotrisilane – Multinuclear Magnetic Resonance Studies and X-Ray Structure Determination of a Non-Cyclic Diaminosulfane  
M. HERBERHOLD, S. GERSTMANN, W. MILIUS, and B. WRACKMEYER 249
- Synthesis and Crystal Structure of Bromotriphenylphosphonium Tribromide,  $[(\text{C}_6\text{H}_5)_3\text{PBr}]\text{Br}_3$  (In German)  
H. VOGT, S. I. TROJANOV, and V. B. RYBAKOV 258
- Alkali Silanolates and Siloxanates as Precursors for Si–O Rings (In German)  
ST. SCHÜTTE, U. KLINGEBIEL, and D. SCHMIDT-BÄSE 263
- Synthesis, Structure and Characterization of Trisodium Bis[N-(2-oximinopropionyl)glycinate(3-)-O,N,N'] Cobaltate(III) Nonahydrate  
I. O. FRITSKY, R. D. LAMPEKA, V. V. SKOPENKO, Y. A. SIMONOV, A. A. DVORKIN, and T. I. MALINOWSKY 270

- Preparation and Characterization of Copper(II) Derivatives of Glycyl- $\beta$ -alanine and  $\beta$ -Alanyl-glycine. Crystal Structure of Cu(II)- $\beta$ -AlaGly  $\cdot$  H<sub>2</sub>O (In German)  
R. SCHMIEDGEN, F. HUBER, and H. PREUT 277
- Chromium(III) Complexes with Some Optically Active  $\alpha$ -Hydroxy Acids  
M. S. EL-SHAHAWI and A. A. EL-BINDARY 282
- New Organometallic Tin Chalcogen Heterocycles. Synthesis and Crystal Structures of  $[(\text{CO})_4\text{Co}]_4\text{Sn}_2\text{E}_2$  (E = S, Se) (In German)  
K. MERZWEILER, H. KRAUS, and L. WEISSE 287
- Synthesis, Structure, and Properties of Cubane-Type Molybdenum-Copper-Sulfur Cluster Dithiophosphinates (In German)  
H. DILLER, H. KECK, W. KUCHEN, D. MOOTZ, and R. WISKEMANN 291
- 1-[4-{1,1',1'',1'''-(1,3-Cyclopentadiene-1,2,3,4-tetrayl)tetrakis}](4,1-phenylene)-alkanones and their Sodium, Thallium(I) and Iron(II) Complexes (In German)  
H. SCHUMANN, A. KUCHT, H. KUCHT, A. LENTZ, L. ESSER, and R. WEIMANN 297
- Structure and Magnetic Properties of a ( $\mu$ -Oxo)diiron(III) Complex  
A. ELMALI, Y. ELERMAN, I. SVOBODA, H. FUESS, K. GRIESAR, and W. HAASE 313
- Silaheterocycles, XXIV. E-Configured 1-Amino-2-neopentylsilenes: Synthesis and Cycloaddition Reactions (In German)  
N. AUNER, A. W. WEINGARTNER, and E. HERDTWECK 318
- Reactions of 1,3-Dialkyl-1,3-diaza-2-chloro-5,6-benzo-1,3,2-phosphorinan-4-ones; Preparation of P(III) Derivatives (In German)  
I. NEDA, H.-J. PLINTA, and R. SCHMUTZLER 333
- Organophosphorus Compounds with Tertiary Alkyl Substituents, II: Synthesis and Characterization of Triphenylmethyl-Substituted  $\lambda^4\text{P(V)}$  Compounds; Crystal Structure of Triphenylmethylphosphonic Difluoride (In German)  
J. R. GOERLICH, A. FISCHER, P. G. JONES, V. PLACK, and R. SCHMUTZLER 341
- <sup>103</sup>Rh and <sup>15</sup>N NMR Investigations on Bond Isomeric Hexakis(thiocyanato(N)-thiocyanato(S))-rhodates(III) (In German)  
W. PREETZ, G. PETERS, and J.-U. VOGT 348
- H<sub>2</sub>NNH<sup>-</sup> and H<sub>2</sub>NO<sup>-</sup> as  $\eta^2$ -Coordinated Ligands in Tripod Cobalt Complexes (In German)  
S. VOGEL, G. HUTTNER, L. ZSOLNAI, and CH. EMMERICH 353
- On the Chemistry of Resiniferonol. I. Preparation of Resiniferonol, Synthesis of Homologous Aliphatic Resiniferonol-9,13,14-orthoesters and Some of their Bioactivities  
W. ADOLF and E. HECKER 364
- Novel Biomimetic Systems for Visible Light Induced Water Reduction (In German)  
ST. BOSSMANN, H. DÜRR, and E. MAYER 369
- Synthesis of Side-Chain-Modified Analogues of the Allergen Primin (In German)  
W. A. KÖNIG, H. FAASCH, H. HEITSCH, C. COLBERG, and B. M. HAUSEN 387
- Notes*
- The Bishydridobis(tetrazol-1-yl)borate Anion, [H<sub>2</sub>B(CHN<sub>4</sub>)<sub>2</sub>]<sup>-</sup>: Synthesis and Structure of the First Tetrazolyborate  
CH. JANIÁK and L. ESSER 394
- Photoredox Reaction of [Hg(cyclam)]<sup>2+</sup>-[Co(CO)<sub>4</sub>]<sup>-</sup> Induced by Outer Sphere Charge Transfer Excitation  
H. KUNKELY and A. VOGLER 397
- Contents of Number 4
- Original Communications*
- K<sub>2</sub>[SeMo<sub>3</sub>O<sub>13</sub>]  $\cdot$  3.5H<sub>2</sub>O and K<sub>2</sub>[SMo<sub>3</sub>O<sub>13</sub>]  $\cdot$  4H<sub>2</sub>O-Compounds with Chain-Like Heteropoly-Anions of Se<sup>VI</sup> and S<sup>VI</sup> (In German)  
CH. ROBL and K. HAAKE 399

- Na<sub>6</sub>[TeMo<sub>6</sub>O<sub>24</sub>]·22H<sub>2</sub>O – A Layered Heteropoly Compound with the Chain-Like Polycation {Na<sub>3</sub>(H<sub>2</sub>O)<sub>11</sub>}<sub>n</sub><sup>3n+</sup>  
CH. ROBL and M. FROST 404
- Spectroscopic and X-Ray Investigation of Cobalt(III) Complexes with 2-Oximinocarboxylic Acids  
R. D. LAMPEKA, Z. D. UZAKBERGENOVA, and V. V. SKOPENKO 409
- Electrochemistry of Oxygenation Catalysts, Part 2. Improved Synthesis, Crystal Structure, and Electrochemical Properties of N,N'-Bis(salicylidene)ethylenediaminatocobalt(III) Chloride  
E. EICHHORN, A. RIEKER, B. SPEISER, J. SIEGLEN, and J. STRÄHLE 418
- On the Reaction of (COD)PtCl<sub>2</sub> with 1,4-Bis-[di-(*t*-butyl)phosphino]butane (dtbpb). Crystal Structure of [(*t*-Bu)<sub>2</sub>P(CH<sub>2</sub>)<sub>4</sub>P(*t*-Bu)<sub>2</sub>-(C<sub>8</sub>H<sub>12</sub>)-PtCl]<sup>+</sup>Cl<sup>-</sup> (In German)  
K. WURST and J. STRÄHLE 425
- Electrochemical Synthesis of N-Oxopyridine-2-thionate Complexes of Cd(II): The Crystal Structure of Bis(2,2'-bipyridine)(N-oxopyridine-2-thionate) Cadmium(II) Perchlorate 1/4(Bipyridine)  
J. SANMARTIN, M. R. BERMEJO, J. ROMERO, J. A. GARCÍA-VÁQUEZ, A. SOUSA, A. BRODBECK, A. CASTIÑEIRAS, W. HILLER, and J. STRÄHLE 431
- Studies on Polyhalides, XII. Preparation and Crystal Structure of [K(Crypt-2.2.2)]<sub>2</sub>I<sub>12</sub> (In German)  
K.-F. TEBBE and A. KAVOOSIAN 438
- Chemistry of the 4,6-Dioxo-1,3,5,2λ<sup>3</sup>-triazaphosphinanes, Part III. Synthesis of 4,6-Dioxo-1,3,5,2λ<sup>3</sup>-, 4,6-Dioxo-1,3,5,2λ<sup>4</sup>-, and 4,6-Dioxo-1,3,5,2λ<sup>5</sup>-triazaphosphinanes (In German)  
I. NEDA, M. FARKENS, A. FISCHER, P. G. JONES, and R. SCHMUTZLER 443
- Na<sub>2</sub>[SnAs<sub>2</sub>], the First Zintl Phase with a [SnAs<sub>2</sub>] Framework Based on Adamantan Analogous [Sn<sub>4</sub>As<sub>10</sub>] Units (In German)  
M. ASBRAND and B. EISENMANN 452
- Improved Preparation of Polyisopropyl- and -*tert*-butylcyclopentadienes (In German)  
E. V. DEHMLow and CH. BOLLMANN 457
- Inter- and Intramolecular Energy Transfer and Charge Separation in Covalently Linked Cyanine Dye-Viologen Systems (In German)  
R. BAUER and CH. KÖNIGSTEIN 461
- Titrimetric Analysis of Ion-Exchange Equilibria in the Case of Incomplete Titration Curves (In German)  
U. HILGERS and R. BLUME 471
- pH-Dependent Tautomerism and pK<sub>a</sub> Values of Phloroglucinol (1,3,5-Trihydroxybenzene), Studied by <sup>13</sup>C NMR and UV Spectroscopy  
D. WANG, K. HILDENBRAND, J. LEITICH, H.-P. SCHUCHMANN, and C. VON SONNTAG 478
- Aziridines, 61. Ring Opening of 2,2-Dimethyl-1-sulfonylaziridines by Anilines: Regioselectivity and Revised Structure of Main Products  
B. BUCHHOLZ, P.-Y. LIN, A. ONISTSCHENKO, and H. STAMM 483
- Two Bioactive Linear Diterpene Diols from the Sponge *Myrmekioderma styx*  
ST. ALBRIZIO, P. CIMINIELLO, E. FATTORUSSO, S. MAGNO, A. IALENTI, and M. DI ROSA 488
- Reactions of the Derivatives of (Diphenylmethylene-amino) Acetic Acid with Carbon Disulfide and Phenyl Isothiocyanate and Crystal and Molecular Structure of Methyl 2-(Diphenylmethylene-amino)-2-(1,3-dithiane-2-ylidene) Acetate (In German)  
W. DÖLLING, K. FROST, F. HEINEMANN, and H. HARTUNG 493
- Synthesis of a Dihydroxy-Substituted Aminooxyl Spin Label and its Crown Ether and Cyclic Diester Derivatives  
Y.-K. ZHANG and D.-K. SHEN 505
- Synthesis and Use of Pentafluorophenyl 6-(Biotinylamido)hexanoate. An Alternative Reagent for Labelling of Proteins with Biotin Moiety  
C. SOMLAI, M. BERÉNYI, and P. MARÓY 511

Synthesis of 4-Cyanofuro(2,3-b)quinolines P. RAJAMANICKAM and P. SHANMUGAM	517	Adducts Arene/Hydrogen Chloride at Low Temperatures: Contributions to Formation and Crystal Structure (In German)	571
Chalcogeno-Substituted Bis-triphenylmethylum Ions of the Inverse Malachite Green Type (In German)	521	A. DEEG and D. MOOTZ	571
D. HELLWINKEL and H. STAHL	521	Oligophosphine Ligands, XXXVIII. Preparation, Isomerism, and Reactivity of Arylhydridoru- thium(II) Complexes [MeSi(CH <sub>2</sub> PMe <sub>2</sub> ) <sub>3</sub> ](Me <sub>3</sub> P)RuH(Ar) (In German)	577
<i>Notes</i>		C. BECKER, L. DAHLENBURG, and S. KERSTAN	577
Photocatalytic 1,4-Hydrosilation of 1,3-Butadiene with Triethylsilane	539	Coordination Chemistry of Perhalogenated Cyclo- pentadienes and Alkynes, XI. Synthesis of Some Cymantrene Mono- and Bis-Thioethers with One Additional Functional Group on the Cy- clopentadienyl Ring. Molecular Structure of [C <sub>5</sub> Cl <sub>2</sub> (SMe) <sub>2</sub> (PPh <sub>2</sub> )]Mn(CO) <sub>3</sub> (In German)	583
W. ABDELQADER, S. ÖZKAR, and N. B. PEYNIR- CIOĞLU	539	K. SÜNKEL, A. BLUM, and B. WAGNER	583
Synthesis and Crystal Structure of [{(CO) <sub>5</sub> WPhP} <sub>2</sub> S <sub>2</sub> ] (In German)	541	Syntheses and Structures of Three Mononuclear Coordination Compounds Containing Six- and Seven-Coordinated Manganese(II) Ions	591
K. MERZWEILER and H.-J. KERSTEN	541	M. ANDRUH, K. HÜBNER, M. NOLTEMEYER, and H. W. ROESKY	591
Contents of Number 5		Preparation, <sup>11</sup> B, <sup>13</sup> C NMR and Vibrational Spec- tra of the <i>closo</i> -Hexaborates [B <sub>6</sub> H <sub>5</sub> (CN)] <sup>2-</sup> and <i>cis</i> -[B <sub>6</sub> H <sub>4</sub> (CN) <sub>2</sub> ] <sup>2-</sup> , and the Crystal Structure of Cs <sub>2</sub> [B <sub>6</sub> H <sub>5</sub> (CN)] (In German)	598
<i>Original Communications</i>		W. PREETZ, A. FRANKEN, and M. RATH	598
Na <sub>2</sub> TiOS <sub>2</sub> – An Oxothiotitanate(IV) with Infinite Tetrahedral Chains (In German)	545	Titanium(IV) Fulvalene Complexes. Preparation and Structure of [CpTiPh <sub>2</sub> ] <sub>2</sub> (C <sub>10</sub> H <sub>8</sub> ) (In German)	603
K. O. KLEPP	545	U. THEWALT and T. WÖHRLE	603
Clusterdithiophosphinates with Cubane-Type Mo <sub>2</sub> M <sub>2</sub> S <sub>4</sub> -Core (M = Co, W) (In German)	548	Bis(di- <i>tert</i> -butylphosphino)ethane-nickel(0) Complexes (In German)	608
H. DILLER, H. KECK, A. KRUSE, W. KUCHEN, D. MOOTZ, and R. WISKEMANN	548	K.-R. PÖRSCHKE, CH. PLUTA, B. PROFT, F. LUTZ, and C. KRÜGER	608
X-Ray Structural Analysis and Vibrational Spec- tra of Sodium Cysteine-S-sulfonate, <sup>+</sup> H <sub>3</sub> NCH(COO <sup>-</sup> )CH <sub>2</sub> S <sub>2</sub> O <sub>3</sub> Na · 3/2 H <sub>2</sub> O	555	Metal Complexes of Functionalized Sulfur Con- taining Ligands, V. Ruthenium(II)-Alkyl- and -Arylthiosulfinato Complexes. X-Ray Structure Determination of CpRu(PPh <sub>3</sub> )(CO)[S–S(O)–CH <sub>2</sub> –C <sub>6</sub> H <sub>5</sub> ] (In German)	627
R. STEUDEL, A. ALBERTSEN, M. KUSTOS, and J. PICKARDT	555	W. WEIGAND, G. BOSL, CH. ROBL, and J. KRONER	627
Reactions of Pyridine-Bases with Na/K-Alloy and Diorganylaminodifluoroboranes (In German)	561		
W. MARINGGELE, A. MELLER, S. DIELKUS, and R. HERBST-IRMER	561		

- Characterization and Properties of  $\text{CH}_3\text{C}(\text{CH}_2\text{PPh}_2)_3\text{MoCl}_3$  (In German)  
O. WALTER, G. HUTTNER, and L. ZSOLNAI 636
- Five-Coordinate Co(III) Complexes [Tripod-Cobalt-(*ortho*-(X)(Y) $\text{C}_6\text{H}_4$ )]<sup>+</sup> Containing *ortho*-Phenylene-Bridged Chelate Ligands [(XH)(YH) $\text{C}_6\text{H}_4$ ] (XH, YH =  $\text{NH}_2$ , OH, SH) (In German)  
S. VOGEL, G. HUTTNER, and L. ZSOLNAI 641
- N*-Methylimidazole Mediated Chemistry of Transition Metal Phenylthiolates. The Isolation of the Perthiolate Salts  $[\text{M}(\text{N-MeIm})_6](\text{S}_2\text{Ph})_2$   
U. KRAUTSCHEID, S. DEV, H. KRAUTSCHEID, P. P. PAUL, S. R. WILSON, and T. B. RAUCHFUSS 653
- Preparation and Single Crystal X-Ray Diffraction Study of Some Fluorophosphites and Phosphite Esters (In German)  
T. G. MEYER, A. FISCHER, P. G. JONES, and R. SCHMUTZLER 659
- Juglorubin (In German)  
H. LESSMANN, J. KRUPA, H. LACKNER, K. SCHMIDT-BÄSE, and G. M. SHELDRIK 672
- Notes
- Single-Crystal Structure Refinement of  $\text{LiZnAs}$   
W. HÖNLE 683
- The Crystal Structure of  $\beta\text{-CsReO}_4$ , the Room-Temperature Modification of Cesium Perrhenate  
P. RÖGNER and K.-J. RANGE 685
- The Crystal Structure of Cesium Fluorotrioxosulfate(VI),  $\text{CsSO}_3\text{F}$   
P. RÖGNER and K.-J. RANGE 688
- Preparation and Structure of Tris(acetylacetonato)silicon Dichloroargentate  
D. HÖGERLE, U. LINK, and U. THEWALT 691
- On the Preparation and Spectroscopic Characterization of  $\text{CH}_3\text{S}(\text{Br})\text{F}^+\text{SbF}_6^-$  (In German)  
R. MINKWITZ and B. BÄCK 694
- Contents of Number 6
- Original Communications*
- Micro Raman Spectroscopy of  $\text{CuInSe}_2$  Thin Films (In German)  
H. P. FRITZ and E. PÖLL 697
- Open and Closed P-Functionalized Diferriphosphonium Salts of the Type  $[\{\text{CpFe}(\text{CO})_2\}_2\text{P}(\text{Ph})\text{R}]^+\text{X}^-$  and  $[\{\mu\text{-CO}(\text{CpFeCO})_2\}\text{P}(\text{Ph})\text{R}]^+\text{X}^-$  (In German)  
CH. KLASSEN, G. EFFINGER, S. SCHMID, and I.-P. LORENZ 705
- First Structural Characterization of an Easily Oxidized Derivative of 1,4-Dihydroquinoxaline (In German)  
A. LICHTBLAU, H.-D. HAUSEN, and W. KAIM 713
- Reaction of Bis(trimethylgermyl)acetylene and Bis(trimethylstannyl)acetylene with Diborane(4)-Derivatives (In German)  
H. SCHULZ, H. PRITZKOW, and W. SIEBERT 719
- Transition Metal Complexes with Sulfur Ligands, XCVIII.  $\text{H}^+$  Controlled Formation and Reversible Conversion of the Mononuclear and Dinuclear Complexes  $[\text{Ru}(\text{NO})\text{PPh}_3(\text{S}_2\text{N}_2\text{H}_2')]\text{Cl}$  and  $[\text{Ru}(\text{NO})(\text{S}_2\text{N}_2\text{H}')_2](\text{S}_2\text{N}_2\text{H}_2'^{2-})$  (= 1,2-Ethanediamine-*N,N'*-bis(2-benzene thiolate)(2-)) (In German)  
D. SELLMANN and R. RUF 723
- Syntheses and Crystal Structures of the 1,3,4- $\lambda^5\sigma^4$ -Diazaphospholes  $[\text{Li}(\text{DME})_2\text{P}(t\text{-Bu})_2\text{C}(\text{Ph})\text{NC}(\text{Ph})\text{N}]$  and  $\text{P}(t\text{-Bu})_2\text{C}(\text{HPh})\text{NC}(\text{Ph})\text{N}$  (In German)  
G. STIEGLITZ, B. NEUMÜLLER, and K. DEHNICKE 730
- Preparation and Reactions of Binuclear Platinum(II) Complexes. Single Crystal X-Ray Diffraction Study of a Tetrakis(difluorophosphonato)palladate(II) Complex (In German)  
H.-J. PLINTA, R. GEREKE, A. FISCHER, P. G. JONES, and R. SCHMUTZLER 737
- Vibrational Spectra and Normal Coordinate Analysis of the  $^{35}\text{Cl}/^{37}\text{Cl}$  Labelled Chloro-Iodo-Osmates(IV),  $[\text{OsCl}_n\text{I}_{6-n}]^{2-}$ ,  $n = 0-6$  (In German)  
M. MANTHEY and W. PREETZ 747

- Preparation and Crystal Structures of  $\text{Rb}_8\text{In}_{11}$ ,  $\text{K}_8\text{Ti}_{11}$ , and  $\text{Rb}_8\text{Ti}_{11}$  Band Structure Calculations on  $\text{K}_8\text{In}_{11}$  (In German)  
W. BLASE, G. CORDIER, V. MÜLLER, U. HÄUSERMANN, R. NESPER, and M. SOMER 754
- Phenylalanine: Its  $\text{OH}$  and  $\text{SO}_4^{2-}$ -Induced Oxidation and Decarboxylation. A Pulse Radiolysis and Product Analysis Study  
D. WANG, H.-P. SCHUCHMANN, and C. VON SONNTAG 761
- Thiocarbonyl Complexes of Rhenium. Part I. Synthesis, Characterization and X-Ray Structures of  $[\text{Re}(\text{CS})(\text{Me}_2\text{PhP})_3(\text{Et}_2\text{dtc})]$  and  $[\text{Re}(\text{CS})(\text{Et}_2\text{dtc})_3]$   
U. ABRAM and B. LORENZ 771
- Coordination and Reactions of Diazenes in Trimethylphosphinecobalt(I) Complexes – Syntheses and Structures of Complexes Containing  $\mu^2$ -(N,N')-Benzo[c]cinnoline and  $\eta^2$ -Azobenzene Ligands  
H.-F. KLEIN, M. HELWIG, U. KOCH, U. FLÖRKE, and H.-J. HAUPT 778
- Tris(trimethylphosphine)cobalt(0) Compounds Containing Azaolefinic Ligands – Syntheses and Structures of Benzo[c]cinnoline and Phenylisocyanate Complexes  
H.-F. KLEIN, M. HELWIG, M. KARNOP, H. KÖNIG, B. HAMMERSCHMITT, G. CORDIER, U. FLÖRKE, and H.-J. HAUPT 785
- $\text{Sr}_3[\text{MnN}_3]$  and  $\text{Ba}_3[\text{MnN}_3]$ , the First Nitridomanganates(III): Trigonal-Planar Anions  $[\text{Mn}^{\text{III}}\text{N}_3]^{6-}$  (In German)  
A. TENNSTEDT, C. RÖHR, and R. KNIEP 794
- $\text{TaFe}_{14}\text{Te}_3$ , A New Low-Dimensional Ternary Tantalum Telluride  
J. NEUHAUSEN, E. POTTHOFF, W. TREMEL, J. ENSLING, PH. GÜTLICH, and R. K. KREMER 797
- Antagonists of LHRH with Histidine in the Priority Position 8  
A. JANECKA, S.-M. SHAN, C. BOWERS, and K. FOLKERS 812
- Heterocycle Syntheses through Ternary Condensation of Terephthalaldehyde with Malononitrile and Some Nucleophiles  
F. F. ABDEL-LATIF, M. M. MASHALY, R. MEKHEIMER, and T. B. ABDEL-ALEEM 817
- Molecular Structure of the Copper(II) Complex of 20-Methoxy-mesoporphyrin IX Dimethyl Ester – A Model for the Enol-Form of Oxophlorins  
M. O. SENGE and K. M. SMITH 821
- Liquid Crystalline Compounds in the Thiophene Series, Part 6. Synthesis and Characterization of Azomethines and Vinylenes with Two Mesogenic Groups and Different Alkylene Spacer Lengths  
G. KOSSMEHL, F. D. HOPPE, B. HIRSCH 826
- Notes*
- Preparation and Structure of  $\text{CaPtGa}_2$  (In German)  
K. DASCULIDOU-GRITNER, H.-U. SCHUSTER 844
- Dissolution of Palladium and Platinum Powder by Biogenic Compounds (In German)  
D. FREIESLEBEN, B. WAGNER, H. HARTL, W. BECK, M. HOLLSTEIN, and F. LUX 847
- Synthesis of Novel Hydroxy-Substituted Aromatic Aminoxyl Esters and their Azo Derivatives  
Y.-K. ZHANG and D.-K. SHEN 849
- Contents of Number 7
- Original Communications*
- Chemistry of the 1,3,5-Triaza-2-phosphinane-4,6-diones, Part IV. Hydrolysis of and Thermal Elimination from 1,3,5-Triaza-2- $\lambda^4$ -phosphine imide-4,6-diones and 1,3,5-Triaza-1,4-dioxo-5- $\lambda^5$ -phosphaspiro[4.5]decane-7,9-diones (In German)  
M. FARKENS, I. NEDA, A. FISCHER, P. G. JONES, and R. SCHMUTZLER 853

- Chemistry of the 1,3,5-Triaza-2-phosphinane-4,6-diones, Part V. Synthesis of Phosphoryl(III)-( $\lambda^4$ P) and Thiophosphoryl(III)( $\lambda^4$ P) Derivatives of 1,3,5-Triaza-2-phosphinane-4,6-diones. Reactions with Ketones (In German)  
I. NEDA, M. FARKENS, A. FISCHER, P. G. JONES, and R. SCHMUTZLER 860
- The 2-Halogeno-5,6-benzo-1,3,2-dioxaphosphorinan-4-one Ring System (In German)  
R. GAST, TH. KAUKORAT, I. NEDA, and R. SCHMUTZLER 867
- Preparation of New Monofluorophosphines and Some of their Transition Metal Complexes; Single Crystal X-Ray Diffraction Study of a Platinum(II) Complex (In German)  
TH. G. MEYER, P. G. JONES, and R. SCHMUTZLER 875
- $\text{CsPr}_2(\text{CH}_3\text{COO})_7$ , a Cesium Poor Anhydrous Ternary Cesium Praseodymium(III) Acetate (In German)  
A. LOSSIN and G. MEYER 886
- Polysulfonylamines, XLIV. Synthesis of  $[\text{Na}(15\text{-Crown-5})][\text{N}(\text{SO}_2\text{CH}_3)_2]$  and Crystal Structure at  $-95^\circ\text{C}$  (In German)  
A. BLASCHETTE, K.-H. NAGEL, and P. G. JONES 893
- $\text{Na}_8\text{TiAs}_4$ , a New Zintl-Compound with Ideal Isolated  $\text{TiAs}_4$ -Tetrahedra (In German)  
J. STUHRMANN, A. ADAM, and H.-U. SCHUSTER 898
- Oxothiatriazine  $(\text{NSCl})_n(\text{NS}(\text{O})\text{Cl})_{3-n}$  ( $n = 1, 2$ ) (In German)  
S.-J. CHEN, U. BEHRENS, and R. MEWS 901
- Synthesis and Structure of Di- $[\mu\text{-acetato}(\text{O},\text{O}')\text{-ferrocenylmethyliden-2,4,6-trimethylamine}(\text{N},\text{C})\text{-palladium}(\text{II})]$   
J. BLANCO, E. GAYOSO, J. M. VILA, M. GAYOSO, C. MAICHLE-MÖSSMER, and J. STRÄHLE 906
- Determination of the Stability of Some Dithiophosphinate Complexes of Silver by Potentiometry  
H. G. MALAKOVA and A. E. VASILEVA 911
- New Syntheses with Magnesium Hydride. Part 1: Hydromagnesiation of  $\alpha$ -Olefines to Magnesium-dialkyls (In German)  
W. KNOTT and K.-D. KLEIN 914
- cis*-1,2-Bis(diphenylphosphino)ethene Nickel(0) Complexes (In German)  
B. PROFT and K.-R. PÖRSCHKE 919
- Crystal and Molecular Structures of the Sulfur-Rich Organic Polysulfanes Heptathiacyclononane ( $\text{C}_2\text{H}_4\text{S}_7$ ) and Bis(triphenylmethyl)penta- and hexasulfane  
M. KUSTOS, J. PICKARDT, J. ALBERTSEN, and R. STEUDEL 928
- Oxa-azonia-boratacyclopentanes by Insertion of Dimethylaminobis(trifluoromethyl)borane into Epoxides  
H. BÜRGER, TH. HAGEN, and G. PAWELKE 935
- Tin(IV) Compounds Containing Ferrocenyl Chalcogenate and Ferrocenylene Dichalcogenate Ligands. Synthesis and Multinuclear NMR Spectroscopy (In German)  
M. HERBERHOLD, M. HÜBNER and B. WRACKMEYER 940
- Insertion of Diphenylcarbodiimide into the Zr-P Bond of  $\text{Cp}'_2\text{Zr}(\text{Cl})\{\text{P}(\text{SiMe}_3)_2\}$  ( $\text{Cp}' = \text{C}_5\text{H}_4\text{Me}$ ); Crystal Structure of  $\text{Cp}'_2\text{Zr}[\text{N}(\text{Ph})\text{C}\{\text{P}(\text{SiMe}_3)_2\}\text{N}(\text{Ph})](\text{Cl})$  (In German)  
E. HEY-HAWKINS and F. LINDENBERG 951
- Hydrogen Bonding in Crystals of an Ammonium Catecholate  
 $\text{NH}_4[\text{C}_6\text{H}_4(\text{OH})_2][\text{C}_6\text{H}_4(\text{OH})\text{O}] \cdot 0.5 \text{H}_2\text{O}$   
O. KUMBERGER, J. RIEDE, and H. SCHMIDBAUR 958
- Preparation and Crystal Structure of Zinc Bis[orotate(1-)] Octahydrate  
O. KUMBERGER, J. RIEDE, and H. SCHMIDBAUR 961
- The Crystal Structure of  $\text{NaZnAsO}_4$  (In German)  
M. ANDRATSCHKE, K.-J. RANGE, and U. KLEMENT 965

- Metal Complexes with 1,4,7-Trithiacyclononane: Crystal Structures of  $[\text{CdI}_2 \cdot \text{C}_6\text{H}_{12}\text{S}_3]_2$  and  $[\text{Hg}(\text{C}_6\text{H}_{12}\text{S}_3)_2](\text{HgI}_3)_2$  (In German)  
J. PICKARDT and J. SHEN 969
- 2-Selenoimidazolines (In German)  
N. KUHN, G. HENKEL, and TH. KRATZ 973
- Clathrates with Three-Dimensional Host Structures of Hydrogen-Bonded Pentaborate  $[\text{B}_5\text{O}_6(\text{OH})_4]^-$  Ions: Pentaborates with the Cations  $\text{NMe}_4^+$ ,  $\text{NEt}_4^+$ ,  $\text{NPhMe}_3^+$  and  $\text{pipH}^+$  ( $\text{pipH}^+$  = Piperidinium)  
M. WIEBCKE, C. C. FREYHARDT, J. FELSCH, and G. ENGELHARDT 978
- Cl NQR Spectra of Some New Iridium Chlorochalcogenide Complexes  
Z. A. FOKINA, V. I. PEKHYNO, S. V. VOLKOV, and V. F. LAPKO 986
- Metal Complexes of Dioxo-porphyrins-Zinc(II) Complexes of 2,3,7,8,12,13,17,18-Octaethyl-5,15-dioxo-porphyrin and 5,15-Dioxo-etio-porphyrin I  
M. O. SENGE and K. M. SMITH 991
- Total Synthesis of Thymosin  $\beta_4$ , 3. Conventional Synthesis of the Fragment [31–43] of Thymosin  $\beta_4$  (In German)  
P. LINK and W. VOELTER 1000
- Notes*
- A New Bicyclic Tin Selenium Compound. Synthesis and Crystal Structure of  $[\{\text{Cp}(\text{CO})_2\text{Fe}\}_3\text{ClSn}_3\text{Se}_4]$  (In German)  
K. MERZWEILER and H. KRAUS 1009
- Preparation and Characterization of  $(\text{C}_6\text{H}_5\text{CH}_2\text{CH}_2\text{NH}_3)_2\text{SnI}_4$  and  $(\text{C}_6\text{H}_5\text{CH}_2\text{CH}_2\text{NH}_3)_2\text{SnBr}_4$   
G. C. PAPAVALASSIOU, J. B. KOUTSELAS, and D. J. LAGOUVARDOS 1013
- $\text{Ba}_2[\text{Ta}_2\text{N}_3]$  and  $\text{Sr}_2[\text{Ta}_2\text{N}_3]$ : Isotypic Nitridotantalates(V) with Tetrahedral Chains  $\frac{1}{x} [\text{Ta}_2\text{N}_2\text{N}_{2/2}^{4-}]$  (In German)  
F. K.-J. HELMLINGER, P. HÖHN, and R. KNIEP 1015
- The Crystal Structure of the Rhenium-tolane Complex  $[\text{ReCl}_4(\text{PhC} \equiv \text{CPh})(\text{OPCl}_3)]$  (In German)  
G. FRENZEN, D. WOLFF v. GUDENBERG, and K. DEHNICKE 1019
- The Crystal Structures of Pyridinium Chloride Revisited: Evidence for Extensive C–H $\cdots$ Cl Hydrogen-Bond Interactions  
CH. B. AAKERÖY and K. R. SEDDON 1023
- Contents of Number 8
- Original Communications*
- Compounds with  $\text{SiS}_2$  Isoelectronic Anions  $\frac{1}{x} [\text{AlX}_{4/2}^{3-}]$  and  $\frac{1}{x} [\text{InP}_{4/2}^{3-}]$ : Synthesis, Crystal Structures and Vibrational Spectra of  $\text{Na}_3[\text{AlX}_2]$ ,  $\text{K}_2\text{Na}[\text{AlX}_2]$  and  $\text{K}_3[\text{InP}_2]$  (X = P, As) (In German)  
L. OHSE, M. SOMER, W. BLASE, and G. CORDIER 1027
- Preparation and Crystal Structure of  $\text{K}_{49}\text{Tl}_{108}$  (In German)  
G. CORDIER and V. MÜLLER 1035
- Cyclic Sulfur Diimides of Silicon.  $^{15}\text{N}$  NMR Spectroscopy and the X-Ray Analysis of the Eight-Membered Ring  ${}^t\text{Bu}_2\text{Si}(\text{NSN})_2\text{Si}{}^t\text{Bu}_2$  (In German)  
M. HERBERHOLD, S. GERSTMANN, W. MILIUS, and B. WRACKMEYER 1041
- Impedance Spectra of the Ag–Ge-Zeolite  $\text{Ag}_3\text{HGe}_9\text{O}_{16} \cdot 4\text{H}_2\text{O}$  and its Pyrolysis Products  $\text{Ag}_2\text{Ge}_4\text{O}_9$  and  $\text{Ag}_4\text{Ge}_9\text{O}_{20}$  (In German)  
K. BRODERSEN and J. SCHRENK 1051
- The Crystalline Hydrates of Tetramethylammonium Fluoride. Formation, Structure, Hydrogen Bonding (In German)  
D. STÄBEN and D. MOOTZ 1057
- The Molecular Structures and Conformational Preferences of Simple Molecules Containing

- Bonds Between a Trivalent Group 15 and a Divalent Group 16 Element: The Molecular Structures of Dimethyl(methylthio)stibane and Dimethyl(methylseleno)stibane,  $(\text{CH}_3)_2\text{SbECH}_3$ ,  $\text{E} = \text{S}$  or  $\text{Se}$ , by Gas Electron Diffraction  
A. HAALAND, H. P. VERNE, H. V. VOLDEN, H. J. BREUNIG, and S. GÜLEC 1065
- Synthesis and Structure of the Hexaethylcyclohexaarsoxane Complexes  $[\{\text{M}(\text{CO})_3\}_2\{\text{cyclo}-(\text{C}_2\text{H}_5\text{AsO})_6\}]$ ,  $\text{M} = \text{Cr}, \text{Mo}, \text{W}$   
W. S. SHELDRIK and TH. HÄUSLER 1069
- Crystal Structure and Vibrational Spectra of N-(Trichloromethyl)dichloromethyleniminium Hexachloroantimonate  $\text{CCl}_2 = \text{NH}-\text{CCl}_3^+\text{SbCl}_6^-$  (In German)  
R. MINKWITZ, D. LAMEK, and H. PREUT 1075
- Functionalized 1,1-Ethene-Dithiolates as Ligands. II. Nickel(II), Palladium(II) and Platinum(II) Complexes of Substituted  $\beta$ -Keto Dithio Acid Dianions (In German)  
W. WEIGAND, R. SAUMWEBER, and P. SCHULZ 1080
- Reactions of Selected Fluorinated Ketones and  $(\text{Me}_3\text{Si})_2\text{NP}=\text{NSiMe}_3$  (In German)  
F. U. SEIFERT and G.-V. RÖSCHENTHALER 1089
- Products of Amidinaddition to 1,2,3-Triketohydrindenhydrat: Synthesis and Determination by Crystal Structure, Spectral Data and Oxidation with Lead(IV)acetate (In German)  
H.-J. HEMMERLING, M. JANOSCHKA, and H. WUNDERLICH 1094
- Synthesis and Crystal Structures of the Tungsten(VI) Alkyne Complexes  $[\text{WCl}_4(\text{Ph}-\text{C}\equiv\text{C}-\text{I})(\text{THF})]$  and  $[\text{WCl}_4(\text{Ph}-\text{C}\equiv\text{C}-\text{Te}-\text{C}_4\text{H}_9)(\text{THF})]$  (In German)  
M. PLATE, P. HOFACKER, W. MASSA, B. SCHWARZ, B. NEUMÜLLER, and K. DEHNICKE 1105
- Magnetic Studies of the Compounds  $\text{ACrF}_4$  ( $\text{A} = \text{K}, \text{Rb}, \text{Cs}$ ). A Mössbauer Study of  $^{57}\text{Fe}$ -Doped  $\text{CsCrF}_4$  (In German)  
O. KAMPE, CH. FROMMEN, and J. PEBLER 1112
- Constituents of Euphorbiaceae, 10. Comm. New Cerebrosides from *Euphorbia characias* L.  
G. FALSONE, F. CATENI, F. KATUSIAN, H. WAGNER, O. SELIGMANN, G. PELLIZER, and F. ASARO 1121
- Thermodynamic Examinations of the Systems Pyridine/ $\text{CH}_3\text{SiCl}_3$  and Pyridine/ $\text{Cl}_3\text{CCH}_3$  (In German)  
M. W. ZENKE and K. HENSEN 1127
- On the Chromophore of the Ninhydrin-Amino Acid Color Reaction  
F. DIETZ, K. ROMMEL-MÖHLE, A. SCHLEITZER, N. TYUTYULKOV 1133
- The Synthesis and Crystal Structure of N-*tert*-Butyl-3-(*tert*-butylimino)-2-nitropropen-1-amine  
D. L. OSTERCAMP, L. M. PRESTON, and K. D. ONAN 1138
- Synthesis of the Nephritogenoside Trisaccharide Unit Using Phenyl 1-Thioglycopyranoside Sulfoxides as a Glycosyl Donor  
Y. WANG, H. ZHANG, and W. VOELTER 1143
- Synthesis and Crystal Structure of Benzyl (-)-(2*S*)-1-trityl-2-aziridinecarboxylate  
A. KORN, S. RUDOLPH-BÖHNER, L. MORODER, and W. HILLER 1146
- Notes
- The 1,1',3,3'-Tetrakis(dimethylamino)-1 $\lambda^5$ ,3 $\lambda^5$ -diphosphetium Cation (In German)  
E. FLUCK, G. HECKMANN, and K. LANGE 1149
- Crystal Structure of  $\text{MgCl}_2(1,2\text{-Dimethoxyethane})_2$  (In German)  
B. NEUMÜLLER, G. STIEGLITZ, and K. DEHNICKE 1151

## Contents of Number 9

*Original Communications*

- [TaTe<sub>4</sub>]<sub>4</sub>[PtI<sub>6</sub>]I<sub>2</sub>, A New Quaternary Telluride-Iodide with Chain Structure (In German)  
W. TREMEL and K.-L. STORK 1155
- Reactions of Phosphorus Compounds Containing the P(:X)H Group (X = O, S) with 1,3,5-Trimethylhexahydro-1,3,5-triazine. Synthesis and Reactions of  $\alpha$ -(N-Methylamino)methyl Substituted Phosphorus Compounds (In German)  
J. R. GOERLICH, I. NEDA, M. WELL, A. FISCHER, P. G. JONES, and R. SCHMUTZLER 1161
- <sup>195</sup>Pt and <sup>19</sup>F NMR Spectra of the Fluoro-Chloro-Platinates(IV), [PtF<sub>n</sub>Cl<sub>6-n</sub>]<sup>2-</sup>, n = 0-6 (In German)  
E. PARZICH, G. PETERS, and W. PREETZ 1169
- Glass and Compounds in the System P<sub>4</sub>S<sub>4</sub>-As<sub>4</sub>S<sub>4</sub>-As<sub>4</sub>Se<sub>4</sub>-P<sub>4</sub>Se<sub>4</sub> (In German)  
R. BLACHNIK, P. LÖNNECKE, and J. NUSS 1175
- First Evidence for  $\pi$ - $\pi$ -Dimerization of the Stable 1,4-Dialkylquinoxalinium Radical Cations. Structure, Spectroscopy and Magnetism (In German)  
H.-D. HAUSEN, W. KAIM, A. SCHULZ, M. MOSCHEROSCH, and J. JORDANOV 1181
- The Crystal Structure of Lithium *fac*-Triaquatrisulfitorhodate(III)hydroxide, Li<sub>4</sub>[Rh(SO<sub>3</sub>)<sub>3</sub>(OH)<sub>2</sub>](OH)  
A. MÄURER, D. K. BREITINGER, and R. BREITER 1187
- Silaethenes, XV. Pyrolysis of 1-Methyl-1-vinyl-1-silacyclobutane and 1,1-Divinyl-1-silacyclobutane - Follow-up Reactions of the Silaethenes Me(Vi)Si=CH<sub>2</sub> and Vi<sub>2</sub>Si=CH<sub>2</sub> (In German)  
J. GROBE and H. ZIEMER 1193
- Reactive E=C(p-p) $\pi$  Systems, XXXVI. Synthesis, Reactivity and Ligand Properties of the Trifluoromethyl-1,3-diphosphane *t*Bu(H)PCF<sub>2</sub>P(H)CF<sub>3</sub> (In German)  
J. GROBE, TH. GROSSPIETSCH, DUC LE VAN, B. KREBS, and M. LÄGE 1203
- Unexpectedly Stable Sulfenic Acid: 4,6-Dimethoxy-1,3,5-triazine-2-sulfenic Acid; Synthesis, Properties, Molecular and Crystal Structure (In German)  
R. TRIPOLT, F. BELAJ, and E. NACHBAUR 1212
- Thermal Stability of Vinylmagnesium Chloride in Tetrahydrofuran (In German)  
P. RITTMAYER and D. HAUKE 1223
- Copper and Gold Complexes of Dithiocarbamate Esters. X-Ray Structures of [CuCl(L<sup>1</sup>)<sub>3</sub>] $\cdot$ CH<sub>2</sub>Cl<sub>2</sub>, [AuCl(L<sup>1</sup>)<sub>2</sub>], [CuI(L<sup>1</sup>)(PPh<sub>3</sub>)<sub>2</sub>] and [Cu<sub>2</sub><sup>I</sup>Cu<sup>II</sup>Cl<sub>4</sub>(L<sup>2</sup>)<sub>2</sub>]<sub>n</sub> (L<sup>1</sup> = N-Phenyl-S-methyldithiocarbamate, L<sup>2</sup> = N,N-Dimethyl-S-methyldithiocarbamate) (In German)  
K. SCHULBERT and R. MATTES 1227
- Syntheses and Structures of Six-Membered Cyclo-metallaphosphazenes Containing Tellurium(IV) and Rhenium(VII) (In German)  
I. LEICHTWEIS, R. HASSELBRING, H. W. ROESKY, M. NOLTEMEYER, and A. HERZOG 1234
- Preparation of Trifluoromethylnitryl-Hexafluorometallates CF<sub>3</sub>N(O)H<sup>+</sup>MF<sub>6</sub><sup>-</sup>, Trifluoromethylhydroxylammonium-Hexafluorometallates CF<sub>3</sub>NH<sub>2</sub>OH<sup>+</sup>MF<sub>6</sub><sup>-</sup> (M = As, Sb) and Crystal Structure of CF<sub>3</sub>NH<sub>2</sub>OH<sup>+</sup>AsF<sub>6</sub><sup>-</sup> (In German)  
R. MINKWITZ, H. PREUT, M. SEIFERT, and D. LAMEK 1241
- Sterically Crowded Cyclic Phosphine-Boranes (In German)  
G. MÜLLER and J. LACHMANN 1248
- Studies on the Chemistry of Isoindoles and Isoindolenines, XXXX. 1-Methoxy-2-methyl-3-aryl-2H-isoindoles: Generation - Characterization - Isolation (In German)  
A. CLEMENS and R. P. KREHER 1257
- Preparation of Quaternary Selenodiphosphates(IV) from Halide Melts: The Crystal Structure of CuAl[P<sub>2</sub>Se<sub>6</sub>] (In German)  
R. PFEIFF and R. KNIEP 1270
- Boron Chelates with Hydroxamic Acids: Bis(hydroximato)borates (In German)  
E. BESSLER, V. M. DEFLON, and J. WEIDLEIN 1275

- Ternary Complexes in Solution with Phosphonates as Ligands. Intramolecular Equilibria in the Mixed Ligand  $\text{Cu}^{2+}$  Complexes Formed by 2,2'-Bipyridyl or 1,10-Phenanthroline and the Dianion of Phosphonylmethoxyethane in Water-Dioxane Mixtures  
M. BASTIAN, D. CHEN, F. GREGÁŇ, G. LIANG, and H. SIGEL 1279
- Electroreduction of Organic Compounds, 23. Preparation of the Highly Strained 1',3'-Dichlorodispiro[cyclopropane-1,2'-bicyclo[1.1.0]butane-4',1''-cyclopropane]  
TH. STRELOW, J. VOSS, and W. BAUM 1288
- Thermochromic Furofuranes, III: Synthesis of Bis-quinonemethides with Anthracene Skeleton (In German)  
H. LAATSCH and A. J. SCHMIDT 1291
- Notes*
- The Chemical Evolution of a Nitrogenase Model, XXII. Reduction of Acetylene with Catalysts Derived from Molybdate, Homocitric Acid and N-Methylimidazole and a Proposal Concerning the Active Site of Functional Azotobacter Nitrogenases  
G. N. SCHRAUZER, P. A. DOEMENY, and J. G. PALMER 1295
- Crystal and Molecular Structure of 2,2-Bis(hydroxymethyl)propionic Acid  
G. MÜLLER, J. LACHMANN, and J. WUNDERLE 1299
- Chemistry of Natural Products, Part 165. The Synthesis of 4-Acetoxy-(E)-3-(3-methyl-1,3-butadien-1-yl)-2(1H)-quinolinone, a Potential Precursor of Dimeric Quinolone Alkaloids (In German)  
J. REISCH and A. BATHE 1302
- On the Synthesis of D-Homoandrostanes  
M. PELECANOU and S. NICOLAROPOULOS 1305
- Contents of Number 10
- Original Communications*
- $^{15}\text{N}$  and  $^{77}\text{Se}$  Nuclear Magnetic Resonance Study of Selenium Diimides and Aminoselenanes  
B. WRACKMEYER, B. DISTLER, S. GERSTMANN, and M. HERBERHOLD 1307
- New Four-Membered  $\text{In}_2\text{P}_2$  Rings. Synthesis and Crystal Structures of  $[\{i\text{PrIn}(\mu\text{-}t\text{Bu}_2\text{P})\text{Cl}\}_2]$  and  $[\{\text{Me}_3\text{SiCH}_2\text{In}(\mu\text{-}t\text{Bu}_2\text{P})\text{Cl}\}_2]$  (In German)  
K. MERZWEILER, L. BRANDS, and J. SPOHN 1315
- Direct Synthesis of Tetranuclear Complexes of Copper(II) with  $\mu_4$ -Bridging Oxygen  
V. PAVLENKO, V. KOKOZAY, and O. BABICH 1321
- The Hydrates of *tert*-Butanol: Crystal Structure of  $\text{Me}_3\text{COH} \cdot 2\text{H}_2\text{O}$  and  $\text{Me}_3\text{COH} \cdot 7\text{H}_2\text{O}$  (In German)  
D. MOOTZ and D. STÄBEN 1325
- Ionic Crown Ether Complexes of Thallium(I), Lead(II), and Indium(III). Crystal Structures of  $[\text{Tl}(12\text{-Crown-4})_2][\text{SbCl}_6]$ ,  $[\text{Pb}(15\text{-Crown-5})_2][\text{SbCl}_6]_2 \cdot \{\text{SbCl}_3(15\text{-Crown-5})\}$ , and  $[\text{In}(12\text{-Crown-4})_2][\text{SbCl}_6]_3 \cdot 3\text{CH}_3\text{CN}$  (In German)  
H. v. ARNIM, K. DEHNICKE, K. MACZEK, and D. FENSKE 1331
- The Methylviologen Radical Cation. Synthesis, Crystal Structure and *ab initio* Calculations of  $\text{N,N}'$ -Dimethyl-4,4'-bipyridinium Chloride Dihydrate (In German)  
H. WOLKERS, R. STEGMANN, G. FRENKING, K. DEHNICKE, D. FENSKE, and G. BAUM 1341
- Does  $\text{OF}_2$  Form Stable Transition Metal Complexes? A Density Functional Investigation of the System  $(\text{OC})_5\text{Cr}/\text{OF}_2$   
H. JACOBSEN, H.-B. KRAATZ, T. ZIEGLER, and PH. M. BOORMAN 1348
- Polysulfonylamines, LI. Synthesis of Two Crown Ether Complexes of Potassium Dimesylamide and Crystal Structure of  $[\text{K}(18\text{-Crown-6})][\text{N}(\text{SO}_2\text{CH}_3)_2] \cdot 2\text{CH}_3\text{OH}$  at  $-95^\circ\text{C}$  (In German)  
A. BLASCHETTE, F. SAFARI, K.-H. NAGEL, and P. G. JONES 1355

- X-Ray Structure, Electrochemical and Electronic Spectroscopic Examination of Cobaloximatic Acid: Hydro-*trans*-diiodobis(ethanedioximate-(1-)-N,N')cobaltate(III). Extended Intermolecular O-H-O Bridging in the Solid  
M. MÉGNAMISI-BÉLOMBÉ, I. JOKWI, E. NGAMENI, R. ROUX, and B. NUBER 1360
- The Electronic Structure of Highly Symmetrical Compounds of the *f*-Elements, XXV. Growth of Ultrapure Tris[bis(trimethylsilyl)amido]lanthanide(III). Single Crystals for Chemical Syntheses and Physical Investigations (In German)  
C. HAGEN and H.-D. AMBERGER 1365
- On the Structure of Hydroxy-5-phenyl-furanone Derivatives: NMR Spectroscopy in Solution and High Resolution Solid State <sup>13</sup>C NMR Spectroscopy in Relation to X-Ray Crystallography (In German)  
M. SCHMIDT, K. ALBERT, R. BRINDLE, C. MAICHLE-MÖSSMER, and K. EGER 1372
- Organometallic Phosphinimines as Building Blocks for Potential New Radiopharmaceuticals. Synthesis, Structure and Reactivity of Ph<sub>3</sub>P=NH<sub>2</sub><sup>+</sup>ReO<sub>4</sub><sup>-</sup>  
K. V. KATTI, P. S. SINGH, CH. L. BARNES, K. K. KATTI, K. KOPICKA, A. R. KETRING, and W. A. VOLKERT 1381
- On the Silylation of Bifunctional Amidines of Oxalic Acid (In German)  
R. BECKERT, S. VORWERK, D. LINDAUER, and M. DÖRING 1386
- Synthesis of 3-Alkylcoumarins and 3-Alkyl- $\alpha,\beta$ -unsaturated  $\delta$ -Lactones from 3-Diethylphosphonocoumarins, 3-Diethylphosphonolactones and Aldehydes  
G. FALSONE, F. CATENI, M. M. DE NARDO, and M. M. DARAI 1391
- New Kaempferol Glycosides from *Equisetum* Species  
M. VEIT, F.-C. CZYGAN, L. WITTE, K. R. MARKHAM, and H. GEIGER 1398
- 4,4'-Binaphthylidene-1,1'-diones - Colour and Structure (In German)  
A. KRAL and H. LAATSCH 1401
- 6-Bromo-5-hydroxy-3-indolecarboxyaldehyde from the Caribbean sponge *Oceanapia bartschi*  
F. CAFIERI, E. FATTORUSSO, Y. MAHAJNAH, and A. MANGONI 1408
- Syntheses and Crystal Structures of 2,5-Bis(2-arylvinyl)-1,4-benzoquinones and their Photochemical Reactivity in the Crystalline State (In German)  
H. IRNGARTINGER, J. LICHTENTHÄLER, D. FENSKE, and G. BAUM 1411
- Circular Dichroism Study on Fully Bioactive CCK-Peptides of Increasing Chain Length  
L. MORODER, R. ROMANO, E. WEYHER, M. SVOBODA, and J. CHRISTOPHE 1419
- Notes*
- <sup>13</sup>C NMR Spectroscopic Study of Pentacarbonyl-acetonitrilemetal(0) Complexes of the Group 6B Elements  
S. ÖZKAR and Z. ÖZER 1431
- Geminal Coupling Constants <sup>2</sup>J(<sup>15</sup>N<sup>13</sup>C) in 2-Substituted Pyridines, Measured by Hahn-Echo Extended (HEED) Pulse Sequences  
B. WRACKMEYER and G. KEHR 1433
- Contents of Number 11
- Original Communications*
- Dimethylmetal Derivatives of Substituted Pyrroles (Metal = Al, Ga, and In) (In German)  
J. TÖDTMANN, W. SCHWARZ, J. WEIDLEIN, A. HAALAND 1437
- Boron-Stabilized Carbenes, III. [3 + 2]-Cycloadditions to Boron Nitrile Ylides (In German)  
W. P. FEHLHAMMER, H. HOFFMEISTER, U. ECKERT, CH. ROBL 1448

- Metal Complexes of Biologically Important Ligands, LXVI. Rhodium(III), Iridium(III), Palladium(II), Platinum(II), Gold(I) Complexes of N-(2,3,4,6-Tetra-*O*-acetyl- $\beta$ -D-glucopyranosyl)-thiocarbamate Esters and  $\beta$ -D-Glucopyranosylthiourea (In German)  
 TH. PILL, W. BECK 1461
- Dinuclear Bis(phosphane)copper(I) Complexes with 2,2'-Bipyrimidine as Bridging Ligand: Structural Analogy to "Blue" Copper Centers and Reduction to Paramagnetic Species (In German)  
 C. VÖGLER, W. KAIM, H.-D. HAUSEN 1470
- Cycloaddition of Azidoformic Acid Methyl ester to the Metal Carbon Double Bond of  $\eta^2$ -Thiocarbene Complexes of Molybdenum and Tungsten (In German)  
 F. R. KREISSL, W. SCHÜTT, J. OSTERMEIER, C. M. STEGMAYER, W. ULLRICH, E. HERDTWECK 1481
- Sulfurization and Selenization of the Halfsandwich Nitrosylmetal Complexes Cp\*M(CO)<sub>2</sub>NO (M = Cr, Mo) and Cp\*M(NO)I<sub>2</sub> (M = Mo, W)  
 M. HERBERHOLD, GUO-XIN JIN, A. L. RHEINGOLD 1488
- Synthesis and Reactions of Octahedral Boranatoruthenium(II) Complexes (In German)  
 W. KOHLMANN, H. WERNER 1499
- Polydecker Complexes with  $\mu, \eta^5$ -2,3-Dihydro-1,3-diborolynickel Fragments as Stacking Units (In German)  
 U. FENNER, TH. KUHLMANN, G. BRODT, J. ROZIERE, W. SIEBERT 1512
- Electronic Spectra and Photochemistry of Tin(II), Lead(II), Antimony(III), and Bismuth(III) Bromide Complexes in Solution  
 K. OLDENBURG, A. VÖGLER 1519
- Ferrocene Derivatives of Squaric Acid and Propiolic Acid. Syntheses and Reactions (In German)  
 H. SCHOTTENBERGER, M. BUCHMEISER, J. POLIN, K.-E. SCHWARZHANS 1524
- Tetra-Heteroelement Substituted Methanes and Isomeric Phosphorus Ylides: C- versus P-Nucleophilicity of Ambidentate Phosphino-methanides (In German)  
 H. H. KARSCH, R. RICHTER, A. SCHIER 1533
- Four- and Five-Coordinate Organometal Phosphine Complexes of Aluminium, Gallium, Indium, and Thallium (In German)  
 G. MÜLLER, J. LACHMANN 1544
- <sup>7</sup>Li Solid State NMR Study of a TMEDA Complex of Trimethylsilylcyclopentadienyllithium  
 T. PIETRASS, P. K. BURKERT 1555
- $\pi$ -Olefin Iridium Complexes, XVIII. Reactions of Bis[cycloocta-1,5-diene- $\mu$ -chloro-iridium] with *n*-Propyllithium in the Presence of Alkynes (In German)  
 J. MÜLLER, KE QIAO, R. SCHUBERT, M. TSCHAMPEL 1558
- Notes*
- Semiconducting Composites Involving [(Me<sub>3</sub>Sn)<sub>3</sub>Fe<sub>x</sub>Co<sub>1-x</sub>(CN)<sub>6</sub>]-Assemblies and Polypyrrole (In German)  
 P. BRANDT, U. ILLGEN, R. D. FISCHER, E. S. MARTINEZ, R. D. CALLEJA 1565
- The Structure of the Pentaazadienide Anion [tol-N=N-N=N-N-tol]<sup>-</sup>. Synthesis and Crystal Structure of Cs<sub>2</sub>(18-Crown-6)(tolN<sub>5</sub>tol)<sub>2</sub> and (NH<sub>4</sub>)[Cr(NH<sub>3</sub>)<sub>6</sub>(H<sub>2</sub>O)<sub>4</sub>](tolN<sub>5</sub>tol)<sub>4</sub> (In German)  
 S. DIETERICH, J. STRÄHLE 1574
- Metal Complexes of Heteroarenes, VII. Bis(2,3,5,6-tetramethyl- $\eta^6$ -pyrazine)vanadium, the First Bis(arene)metal Complex with Four N Atoms in the Coordination Sphere (In German)  
 M. NOWOTNY, CH. ELSCHENBROICH, A. BEHRENDT, W. MASSA, S. WOCADLO 1581
- Diphenylphosphine-Substituted, Chiral Polyepichlorohydrin, a Support for the Heterogeneous, Asymmetric Catalysis (In German)  
 H. P. FRITZ, J. BLÜMEL, D. DENGLER 1589

- Reactions of Complex Ligands, LVI. 3-Pyrrolyl-carbene Complexes of Chromium: Synthesis and Carbene Annulation to the Isoindole Skeleton (In German)  
K. H. DÖTZ, J. GLÄNZER 1595
- On Metal-Modified Nucleobase Triples and Quartets  
A. SCHREIBER, E. C. HILLGERIS, B. LIPPERT 1603
- Regiospecific Insertion of  $[\text{SCN}]^-$  and  $[\text{SeCN}]^-$  in the S-C- and Se-C-Bond of Transition-Metal-Coordinated Thietanes and Selenetanes (In German)  
H. FISCHER, C. KALBAS, C. TROLL, K. H. FLUCK 1613
- Thieno[2,3-b]thiopheno[3,2-c; 4,5-c']-bis(1,2-dithiole)-3,6-dithione - An Octamer of Carbon Sulfide  
R. GOMPPER, R. KNIELER, K. POLBORN 1621
- Do Internal N-Donor Ligands Influence the Hydrolysis and Condensation Reactions of Chlorosilanes? (In German)  
N. AUNER, R. PROBST, C.-R. HEIKENWÄLDER, E. HERDTWECK, S. GAMPER, G. MÜLLER 1625
- Hindered Ligand Movements in Transition Metal Complexes, XLII. Photoreactions of Hexacarbonyl- $\mu-\eta^{5:5}$ -fulvalene-dimolybdenum and -ditungsten with Conjugated Dienes (In German)  
C. G. KREITER, W. CONRAD, R. EXNER 1635
- Dinuclear Manganese and Rhenium Complexes with Mixed Aliphatic-Aromatic Hydrocarbon Bridges (In German)  
E. LINDNER, W. WASSING, R. FAWZI, M. STEIMANN 1651
- Synthesis and Crystal Structures of the Palladium(II) Complexes  
*cis*- and *trans*- $\text{PdCl}_2[\text{P}(\text{OSiMe}_3)_3]_2$ ,  
 $\{\text{PdCl}[\text{PO}(\text{OSiMe}_3)_2][\text{P}(\text{OSiMe}_3)_3]_2\}$  and  
 $(\text{NMe}_2\text{H}_2)_2\{\text{Pd}_2\text{Cl}_4[\text{P}_4\text{O}_5(\text{OSiMe}_3)_4]\}$   
(In German)  
TH. GEBAUER, G. FRENZEN, K. DEHNICKE 1661
- Synthesis and Structure of a Manxane-Cage Silazane Molecule  
M. BAIER, P. BISSINGER, H. SCHMIDBAUR 1672
- Transition Metal Complexes with Sulfur Ligands, XCIX. Formation and Structure of  $[\text{Fe}(\text{S}_4)]_4$ . A Remarkable Tetramerization of Homochiral  $[\text{Fe}(\text{S}_4)]$  Complex Fragments ( $\text{S}_4^{2-} = 1,2\text{-Bis}(2\text{-mercaptophenylthio})\text{ethane}(2^-)$ ) (In German)  
D. SELLMANN, H. FRIEDRICH, F. KNOCH 1675
- Tripod Ligands with Three Different Donor Groups: Synthesis and Coordination of  $\text{CH}_2\text{C}(\text{CH}_2\text{PR}_2)(\text{CH}_2\text{PR}'_2)(\text{CH}_2\text{PR}''_2)$  (In German)  
H. HEIDEL, G. HUTTNER, G. HELMCHEN 1681
- Contents of Number 12
- Original Communications*
- Zwitterionic Bis[*vic*-arenediolato(2-)][(morpholinio)alkyl]silicates: Synthesis and Structural Characterization in Solution and in the Crystal (In German)  
J. SPERLICH, J. BECHT, M. MÜHLEISEN, ST. A. WAGNER, G. MATTERN, R. TACKE 1693
- tripod*-Iron and *tripod*-Cobalt-Complexes with Acetonitrile as Supporting Ligands (*tripod* =  $\text{RCH}_2\text{C}(\text{CH}_2\text{PPh}_2)_3$ ; R = H, Ph) (In German)  
A. ASAM, B. JANSSEN, G. HUTTNER, L. ZSOLNAI, O. WALTER 1707
- The Preparation of Some Monodentate Coordinated Semicarbazone(O) and Thiosemicarbazone(S) Cationic But-2-yne Tungsten(II) Complexes  
P. K. BAKER, K. R. FLOWER 1715
- Transition Metal Complexes of Oxamide Oxime. 1. Synthesis and X-Ray Crystal Structure of Tris(oxamide oxime- $\text{N}^1, \text{N}^1'$ )cobalt(III) Triiodide  $[\text{Co}(\text{H}_2\text{oxao})_3]\text{I}_3$   
M. MÉGNAMISI-BÉLOMBÉ, I. JOKWI, E. NGAMENI, R. ROUX, B. NUBER 1719
- Enantioselective Catalysis, 84. New Chiral TADDOLs for the Enantioselective Addition of Diethylzinc to Benzaldehyde Catalyzed by Ti(IV)  
H. BRUNNER, ER-LE ZANG 1723

- Preparation of Mononitropentahydrohexaborate(2-) and Crystal Structure of  $M_2[B_6H_5(NO_2)]$ ,  $M = K, Cs$  (In German)  
A. FRANKEN, W. PREETZ, M. RATH, K.-F. HESSE 1727
- Synthesis and Crystal Structure of Bis(diisobutylammonium)-heptasulfide  $[H_2N(i-C_4H_9)_2]_2S_7$  (In German)  
C. MÜLLER, P. BÖTTCHER 1732
- Low-Temperature Raman Measurements on Moved Samples at 10 K Exemplified by the Isotopomers  $Cs_2[Pt^{35}Cl_n^{37}Cl_{6-n}]$ ,  $n = 0-6$  (In German)  
W. PREETZ, E. PARZICH 1737
- Synthesis of Amino- and Silyl-Substituted Triphosphines – Structure of 1,1,3,3-Tetrakis(di-*iso*-propylamino)-2-trimethylsilyl- and 1,1,3,3-Tetraphenyl-2-tri-*iso*-propylsilyl-triphosphine (In German)  
H. R. G. BENDER, M. NIEGER, E. NIECKE 1742
- Iminoacetylacetonate Complexes of Lanthanides: Synthesis, Properties and Structure (In German)  
K.-H. THIELE, A. SCHOLZ, J. SCHOLZ, U. BÖHME, R. KEMPE, J. SIELER 1753
- Synthesis and Crystal Structure of Iodomethyltriphenylphosphonium Iodide  $(C_6H_5)_3PCH_2I^+I^-$  (In German)  
H. VOGT, K. LAURITSEN, L. RIESEL, M. VON LÖWIS, G. RECK 1760
- The Crystal Structures of  $Re_2Al$ ,  $Re_4Al_{11}$ , and  $ReAl_6$   
S. NIEMANN, W. JEITSCHKO 1767
- Preparation, Properties, and Structure of the Polyphosphides  $VNi_4P_{16}$ ,  $NbNi_4P_{16}$ , and  $WNi_4P_{16}$   
W. JEITSCHKO, J. WALLINDA, M. V. DEWALSKY, U. WORTMANN 1774
- Synthesis and Characterization of Tris(trimethyltin) Thiophosphate  $(Me_3Sn)_3PO_3S$   
A.-F. SHIHADA 1781
- Transition Metal Substituted Acylphosphanes and Phosphaalkenes, XIX. Synthesis and Structure Determination of 1-Metallo-1,2-dihydrophosphetes  $(\eta^5-C_5Me_5)(CO)_2M-\overline{PCH(E)-C(E)=C}-NMe_2$  ( $M = Fe, Ru$ ;  $E = CO_2Me, CN$ ) (In German)  
L. WEBER, O. KAMINSKI, H.-G. STAMMLER, B. NEUMANN, V. D. ROMANENKO 1784
- Crystal Structure Investigation of Copper(II) Thiocyanato and Cobalt(III) Azido Complexes of Picolinic Acid;  $[Cu(pic)(SCN)(H_2O)_2] \cdot 2H_2O$  and  $[Na_2Co(pic)_2(N_3)_2(H_2O)_6][Co(pic)_2(N_3)_2] \cdot 2H_2O$   
M. A. S. GOHER, M. A. M. ABU-YOUSSEF, F. A. MAUTNER 1795
- Hydrophilic Polystyrene-Polyoxyethylene Graft Polymer Beads as Carrier of Antigenic Peptides for *in vivo* and *in vitro* Immunization Techniques: Applications to the Non-Catalytic Zinc Loop of HLADH Isozymes and to Histone Fragments  
M. ZEPPEZAUER, R. HOFFMANN, A. SCHÖNBERGER, ST. RAWER, W. RAPP, E. BAYER 1801
- Liquid Crystalline Compounds in the Thiophene Series, Part 7. Synthesis and Characterization of Vinylenes with Two Mesogenic Groups Each Containing Three Aromatic Systems with Different Connecting Units  
G. KOSSMEHL, F. D. HOPPE 1807
- Crystal and Molecular Structures of the Free Base and the Monohydrochloride Salt of the Antileukemic Agent Glyoxal *bis*(Amidino)hydrazone [*Glyoxal bis*(Guanylylhydrazone)]  
I. MUTIKAINEN, H. ELO, P. TILUS 1821
- Notes*
- $Y_7I_6C_3O$ : A Carbide Oxide with Condensed  $Y_6C$ -Octahedra and  $Y_4O$ -Tetrahedra (In German)  
H. MATTAUSCH, H. BORRMANN, A. SIMON 1828
- $Ca_3[MnN_3]$ , a New Nitridomanganate(III): Anions  $[Mn^{III}N_3]^{6-}$  with  $C_{2v}$ -Symmetry (In German)  
A. TENNSTEDT, C. RÖHR, R. KNIPEP 1831
- The Crystal Structure of  $KLiTe$  (In German)  
H. SABROWSKY, R.-D. HITZBLECK, P. VOGT 1835

CsNaSe – the First Inter Alkali Metal Chalkogenide with Cesium (In German) H. SABROWSKY, V. WINTER, E. FELDBAUM-MÖLLER, P. VOGT 1837	Interaction of the Vanadyl(IV) Cation with Nucleic Bases (In German) P. A. M. WILLIAMS, S. B. ETCHEVERRY, E. J. BARAN 1845
CsNaS – the First Inter Alkali Metal Sulfide with Cesium (In German) H. SABROWSKY, E. FELDBAUM-MÖLLER, V. WINTER, P. VOGT 1839	Crystal Structure of $\mu$ -Oxo-bis[oxo-salicylaldehydbenzoylhydrazonato(2-)]vanadium(V) (In German) A. SUNDHEIM, R. MATTES 1848
1,2-Dimethoxyethane Complexes of MoNCI <sub>3</sub> and WNCI <sub>3</sub> , The Crystal Structure of [MoNCI <sub>3</sub> ·DME] (In German) E. RENTSCHLER, K. DEHNICKE 1841	Erratum 1851 Subject Index 1853 Authors Index 1886