

Contents

Contents of Number 1

Original Communications

On the Preparation and Crystal Structure of CaMnBi_2 (In German)

E. BRECHTEL, G. CORDIER, and H. SCHÄFER 1
Oxotitanates with Mixed Valence, II. About $\text{Sr}_2\text{Ti}_6\text{O}_{13}$ (In German)

J. SCHMACHTEL and H. K. MÜLLER-BUSCHBAUM 4
Preparation and Crystal Structure of Barium-Mercury-Thiostannate(IV), BaHgSnS_4 (In German)

CHR. L. TESKE 7
Preparation, Structure and Properties of a New Modification of NbI_5 (In German)

B. KREBS and D. SINRAM 12
Reactions of SbCl_5 with Acetoacetanilide (In German)

W. DIETRICH, H. K. EISINGER, and H. P. LATSCHA 17
Cyclic Diazastannylenes, VIII. The Crystal and Molecular Structure of an Iminostannylene: $\text{Sn}_3(\text{NC}(\text{CH}_3)_3)_4\text{H}_2$ (In German)

M. VEITH 20
The Topochemical Reaction of CaSi_2 to a Two-Dimensional Subsiliceous Acid $\text{Si}_6\text{H}_3(\text{OH})_3$ (= Kautskys' Siloxene)

A. WEISS, G. BEIL, and H. MEYER 25
Silicon Compounds with Strong Intramolecular Steric Interactions, IX. *tert*-Butyl Substituted Di- and Trisiloxanes (In German)

M. WEIDENBRUCH, H. PESEL, and D. V. HIEU 31
 ^{29}Si NMR Investigations on Polysilanes. I. Perchloropolysilanes (In German)

H. C. MARSMANN, W. RAML, and E. HENGGE 35
Di- μ -iodo-bis[dicarbonyl(di-*tert*-butylphosphine)-ruthenium(I)]($\text{Ru}-\text{Ru}$) and Bis(tri-*tert*-butylphosphonium)di- μ -iodo-bis[carbonyl-diiodo(di-*tert*-butylphosphine)ruthenium(II)] (In German)

H. SCHUMANN and J. OPITZ 38
Concerning Isopolymolybdate Ions in Aqueous Media in the Range $Z \leq 1.14$ (In German)

K.-H. TYTKO, G. PETRIDIS, and B. SCHÖNFELD 45
Cleavage of Tetrahydrofuran by Trimethylchlorosilane and Dialkylantimonyiodide (In German)

H. J. BREUNIG and V. BREUNIG-LYRITI 57
On the Reactions of Trimethylsilyl Difluorophosphate, Trimethylsilyl Dimethylphosphinate and

Difluorophosphoric Acid Anhydride with TiCl_4 and SbCl_5 , respectively (In German)

A.-F. SHIHADA and A. T. MOHAMMED 60

Chemistry of Polyfunctional Ligands, 56. Preparation of N-Deutero-bis(diphenylphosphino)amine, as well as the Vibrational Spectroscopic Comparison with Bis(diphenylphosphino)amine and Lithium-bis(diphenylphosphino)amid (In German)

J. ELLERMANN and M. LIETZ 64
Copper(II) Complexes with Dia- and Paramagnetic Carboxylate Ligands (In German)

R. FEDRIGOLLI and K. E. SCHWARZHANS 68
Preparation and Properties of *trans*-Dihalo-tetrakis-(pyridine)osmium(II) Complexes (In German)

J. BEHRENSDORF and W. PREETZ 71
Reactions of Coordinated Ligands, VI. Influence of Substituents on the Formation of Tri- and Tetraphosphines in the Coordination Sphere of Transition Metals (In German)

O. STELZER and N. WEFERLING 74
Transition Metal Carbyne Complexes, LVI. Reaction of a Cationic Carbyne Complex with a Carbonyl-metalate. The Phenylketenyl Group as a Bridging Ligand (In German)

O. ORAMA, U. SCHUBERT, F. R. KREISSEL, and E. O. FISCHER 82

Reactions of Dicarbonyl(η -cyclopentadienyl)-(methylpropionate)manganese(I) with Bases. The Isolation of Vinylidene and Carbene Complexes (In German)

H. BERKE 86
Reactions with the Arylhydrazones of some α -Cyanoketones

E. M. KANDEEL, K. U. SADEK, and M. H. ELNAGDI 91

Studies on Betaine Decomposition of Arsonium Ylides

R. S. TEWARI, S. K. SURI, and K. C. GUPTA 95
Transylidation Reactions in Arsonium Ylides

R. S. TEWARI and D. K. NAGPAL 99
Hydroxylation of Δ^5 -Steroids with N-Bromosuccinimide to $5\alpha,6\beta$ -Diols

A. M. DAWIDAR, A. A. SALEH, and M. M. ABDEL-MALEK 102

Fluorescein-photosensitized Furan Oxidation in Methanolic and Reversed Micellar Solutions, Part II. Kinetic Analysis

N. MIYOSHI and G. TOMITA 107

Notes

- Some New One-dimensional Compounds: Preparation and Optical Properties
D. LAYEK and G. C. PAPAVALASSILOU 112
- KHgAs(Sb) and KZnAs – Ternary Compounds in a Modified Ni₂In-Structure
(In German)
R. VOGEL and H.-U. SCHUSTER 114
- Tetrachloroaluminates, -ferrates and -gallates:
A^IM^{III}Cl₄ (A^I = Li–Cs, NH₄, Tl, In; M^{III} = Al, Fe, Ga) (In German)
G. MEYER and E. SCHWAN 117

Contents of Number 2

Original Communications

- Lithiumtetrahydroaluminate in Ether: an NMR Study (In German)
H. NÖTH 119
- Contributions to the Chemistry of Boron, CVIII. Synthesis and Conformation of N,N'-Bis(boryl)-N,N'-dimethylhydrazines (In German)
K. BARLOS und H. NÖTH 125
- X-ray Structural Study of 5-Phenyl-10,11-dihydro-dibenzo[b,f]phosphepin-5-oxide
D. W. ALLEN, I. W. NOWELL, and PH. E. WALKER 133
- BaSbTe₃ and BaBiSe₃. Compounds with BiSe- or SbTe-Layer Structures, Respectively
(In German)
K. VOLK, G. CORDIER, R. COOK, and H. SCHÄFFER 136
- Ternary Phosphides with the ThCr₂Si₂ Structure (In German)
A. MEWIS 141
- Oligophosphine Ligands, I. Convenient Syntheses of the Trimethylene-linked Triphosphines
RP[(CH₂)₃PPh₂]₂ and their Precursors
Ph₂P(CH₂)₃P(H)R (R = Ph, Me) (In German)
E. ARPAC and L. DAHLENBURG 146
- Crystal Structure of the Iodonitrene Complex, Cl₃V≡N–I (In German)
G. BEINDORF, J. STRÄHLE, W. LIEBELT, and F. WELTER 153
- Intercalation Complexes of Iron(III) Oxide Chloride FeOCl with Alkanols (In German)
A. WEISS and J. HO CHOY 157
- Reactions of Metal and Metalloid Compounds with Polyfunctional Molecules, XXV. Thioureidoboranes and Isothioureidoboranes (In German)
W. MARINGGELE 164
- Charge Distribution and Structures of Halogenogallates and Halogenoaluminates of the Type

- Me^IMe^{III}X₄, Me^IMe₂^{III}X₇, and C₆H₆ · CuAlCl₄. An NQR Investigation (³⁵Cl, ⁷⁹Br, ¹²⁷I, ⁶³Cu, ⁶⁹Ga)
W. FICHTNER and A. WEISS 170
- Photomineralization of Chlorinated Alkanes, Alkenes and Aromatics on Silica Gel
(In German)
J. SCHMITZER, S. GÄB, M. BAHADIR, and F. KORTE 182
- NMR Spectroscopy on Paramagnetic Complexes, XX. Errors in the ¹³C and ¹H Spectra of Dia- and Paramagnetic Molecules Introduced by Metallo-cene Radicals (In German)
F. H. KÖHLER 187
- Preparation and Properties of Sodium and Potassium Tetrakis(trimethylsilyl)aluminate Complexes (In German)
L. RÖSCH and G. ALTNAU 195
- η³-Allyl-hydrogensulfidonickel(II) Complexes (In German)
R. BENN, B. BOGDANOVIĆ, P. GÖTTSCHE, and K. SCHLICHTKE 200
- Methyl Loss from Metastable Homoadamantane Cation Radical (In German)
H. SCHWARZ, CHR. WESEMIOTIS, TH. WEISKE, K.-P. ZELLER, and R. MÜLLER 207
- Pyrolysis Mass Spectrometry of Protected Phosphotriester Oligodeoxyribonucleotides
J. Ulrich, M. J. BOBENRIETH, R. DERBYSHIRE, F. FINAS, A. GUY, F. ODIN, M. POLVERELLI, and R. TÉOULE 212
- Tellurium in Organic Synthesis, VII. Novel Synthesis of Telluroesters
J. BERGMAN and L. ENGMAN 217
- Alkaloids in *Tabernaemontana* Species, XI. Investigation of the Alkaloids from *Tabernaemontana quadrangularis* – (20 R)-20-Hydroxyibogamine, a New Alkaloid from *T. quadrangularis* (In German)
H. ACHENBACH and B. RAFFELSBERGER 219
- 27-*p*-Cumaroxy Ursolic Acid – a New Constituent of *Ilex aquifolium* L. (In German)
H. BUDZIKIEWICZ and H. THOMAS 226
- Photoisomerization of *trans*-1-(3,5-Di-*tert*-butyl-4-hydroxyphenyl)-2-phenyldiazene (In German)
E. HOFER 233

Notes

- Further Compounds A₃NO₃: K₃NO₃ and Rb₃NO₃ (In German)
M. JANSEN 237
- Metal Complexes of Phosphinic Acids, XVI. *cis-trans* Isomers of Planar Palladium and Platinum Complexes [RR'PS₂]₂M (In German)
W. KUCHEN and R. UPPENKAMP 239

The Structure of the Rubidiumtrimolybdate Hydrate $\text{Rb}_2\text{Mo}_3\text{O}_{10} \cdot \text{H}_2\text{O}$ (In German) H.-U. KREUSLER, A. FÖRSTER, and J. FUCHS	242	Mass Spectrometric Investigation of Boron Chelates, V. Fragmentation of Aromatic Azo Compounds Containing Boron (In German) E. HOHAUS, W. RIEPE, and K. WESSENDORF	316
Preparation and Properties of Molybdenum Tetraethoxide (In German) U. HILLEBRAND and E. STUMPP	245	Boron Chelates and Boron Metal Chelates, VI. The Formation of Boron Chelates of Aromatic Azo Compounds (In German) E. HOHAUS and K. WESSENDORF	319
Ag_3SnTe_6 - a New Argyrodite (In German) P. MATJE and G. SCHÖN	247	$(\text{AsPh}_4)_2[\text{Re}_2\text{FN}_2\text{Cl}_7]$, a μ -Fluoro Nitrido Complex of Rhenium(VI) (In German) W. LIESE, K. DEHNICKE, and J. PEBLER	326
Alkynyl Compounds of Transition Metals, XXXVIII. Complex Manganese(II) Compounds of 1,2-Diethynylbenzene (In German) R. NAST and A. SANTOS	248	A New Preparation of S_4N_4 M. P. BERTHET, H. VINCENT, and Y. MONTEIL	329
ESR of a Cyclic Phosphahydrazidynyl F. A. NEUGEBAUER and H. FISCHER	250	Oxotitanates with Mixed Valence, III. About $\text{BaTi}_8\text{O}_{16}$ (In German) J. SCHMACHTEL and H. K. MÜLLER-BUSCHBAUM	332
Contents of Number 3		Preparation and Crystal Structure of Dithallium(I) Lead(II) Tetrathiogermanate(IV) (In German) G. EULENBERGER	335
Original Communications		Synthesis and Catalytic Activity of Some Neutral $(\eta$ -Cycloenyl)(η -1,5-cyclooctadiene)rhodium(I) Complexes (In German) H.-O. STÜHLER	340
On Chloro- and Bromomercurates $\text{MHg}_5\text{X}_{11}$ ($\text{M} = \text{Tl, K, Rb, Cs, NH}_4$; $\text{X} = \text{Cl, Br}$) (In German) K. BRODERSEN, K.-P. JENSEN, and G. THIELE	253	A Study of the Bonding and Geometry in Phosphacumulene Ylides TH. A. ALBRIGHT, P. HOFMANN, and A. R. ROSSI	343
The Crystal Structure of $\text{Tl}_{10}\text{Hg}_3\text{Cl}_{16}$ (In German) K. BRODERSEN, K.-P. JENSEN, and G. THIELE	259	Structural Change of a Linear Polyether upon Complex Formation. 1,11-Bis(2-acetylamino-phenoxy)-3,6,9-trioxaundecane and its KSCN Complex IL-HWAN SUH, G. WEBER, M. KAFTORY, W. SAENGER, H. SIEGER, and F. VÖGTLE	352
$\text{Mo}_4\text{O}_8((\text{CH}_3)_2\text{POS})_4$, a Molybdenum(V) Oxygen Cubane (In German) R. MATTES and K. MÜHLSIEPEN	265	Tricarbonyl(η^4 -1,5-dimethylene-2,6-dimethylcyclooctane)iron: Photochemical Synthesis and Structure (In German) F.-W. GREVELS, K. SCHNEIDER, C. KRÜGER, and R. GODDARD	360
The Crystal and Molecular Structure of Two Spirocyclic Diazadiphosphetidines (In German) D. LUX, W. SCHWARZ, H. HESS, and W. ZEISS	269	Synthesis and Herbicidal Activity of the D- and L-Methyl 2-[4-(2,4-Dichlorophenoxy)-phenoxy]-propionate Enantiomers (In German) H. J. NESTLER and H. BIERINGER	366
1,3-Migration of Silylgroups in the Si_2NSiN -System - Synthesis and Molecular Structure of 1,3-Diaza-2,4-disilacyclobutanes (In German) W. CLEGG, U. KLINGEBIEL, C. KRAMPE, and G. M. SHELDRIK	275	Organic Sulfur Compounds, XLVII. Dimerization of Monothiobenzil to a 1,3-Dithietane and its Cycloreversion (In German) C. BAK and K. PRAEFCKE	372
Contributions to the Chemistry of Silicon and Germanium, XXIX. ^{29}Si NMR Spectroscopic Investigations on Straight and Branched Silanes (In German) J. HAHN	282	On the Chemistry of Pyrrole Pigments, XXXVI. On the Anaerobic Photochemistry of 21,24-Dimethyl-aetiobiliverdin-IV- γ (In German) H. FALK and K. THIRRING	376
The Structure of BaNi_2Si_2 and its Relationship to the ThCr_2Si_2 Structure (In German) W. DÖRRSCHEIDT and H. SCHÄFER	297	A Simple Synthesis for Phenothiazin-ols and their Sulfoxides S. K. JAIN and N. L. AGARWAL	381
Preparation, Vibrational Spectra and Crystal Structure of the Deca Bromo μ -Nitrido Ditantalate(V) $\text{Ta}_2\text{NBBr}_{10}^{3-}$. A Complex with a Symmetrical $\text{Ta}=\text{N}=\text{Ta}$ Bridge (In German) K.-P. FRANK, J. STRÄHLE, and J. WEIDLEIN	300		
Chemistry of Polyfunctional Ligands, 57. About Iridium(I) and Platinum(II) Complexes of Bis-(diphenylphosphino)amine and the Oxidative Addition of Small Molecules to Di[bis(diphenylphosphino)amine]iridium(I)-chloride (In German) J. ELLERMANN and L. MADER	307		

Di-(2-hydroxy-1-phenaziny)methane - A Compound of Novel Structure from *Pseudomonas aureofaciens* (In German)

W. NEUENHAUS, A. RÖMER, H. BUDZIKIEWICZ, H. KORTH, and G. PULVERER 385

Notes

The Structure of Nd_2NiO_4 and its Relationship to La_2NiO_4 and La_2CuO_4 (In German)

U. LEHMANN and Hk. MÜLLER-BUSCHBAUM 389

On the Compounds CaNi_2As_2 , SrNi_2As_2 , and $\text{Ca}_{2,3}\text{Ni}_{11,7}\text{As}_7$ (In German)

A. MEWIS and A. DISTLER 391

Halo-Elpasolites, VI. The First Iodo-Elpasolites, $\text{Cs}_2\text{B}^{\text{I}}\text{M}^{\text{III}}\text{I}_6$ ($\text{B}^{\text{I}} = \text{Li, Na}$) (In German)

G. MEYER 394

Structural Refinement of the High Pressure - High Temperature Phase of BaGe_2 (In German)

J. EVERS, G. OEHLINGER, and A. WEISS 397

The Reaction of Antimony(V) Chloride with *p*-Benzoquinone (In German)

G. RETTIG and H. P. LATSCHA 399

Transition Metal Complexes of Diazenes, XIV. Photochemical Synthesis and Reactions of $(\eta^1\text{-}2,3\text{-Diazanorbornene})\text{Fe}_2(\eta^5\text{-C}_5\text{H}_5)_2(\text{CO})_3$ (In German)

R. BATTAGLIA, P. MASTROPASQUA, and H. KISCH 401

$(\text{H}_3\text{O})[\text{Al}_3(\text{H}_2\text{PO}_4)_6(\text{HPO}_4)_2] \cdot 4 \text{H}_2\text{O}$ - a $\frac{2}{3}$ Al-O-P Linked Phosphate with Hollows Containing Oxonium Ions (In German)

D. BRODALLA and R. KNIEP 403

A Comment on the Paper "Benzo-1,2,4-thiazol, a New Bicyclic 10π -System"

M. DAVIS 405

Erratum 406

Contents of Number 4

Original Communications

Contribution to the Chemistry of Boron, CIX. New Five-Membered Heterocycles of Boron: Triaza-diborolidines Containing Silicon, Phosphorus and Arsenic as Ring Atoms (In German)

K. BARLOS and H. NÖTH 407

Contributions to the Chemistry of Boron, CX. Synthesis and Reactions of Sila- and Phosphaborazines (In German)

K. BARLOS and H. NÖTH 415

Reactivity of Organometallic Complexes Containing Tin-Metal Bonds, IV. SO_2 Insertion into Phosphine Substituted and Anionic Triorganotin Complexes of Chromium, Molybdenum and Tungsten (In German)

U. KUNZE and S. B. SASTRAWAN 421

Electrochemical Syntheses, II. Theoretical Aspects of the Electrochemical Synthesis of Complexes (In German)

J. GROBE, M. KEIL, B. SCHNEIDER, and H. ZIMMERMANN 428

Metal Complexes with Tetrapyrrole Ligands, XXIV. On the Knowledge of Platinum(IV) Porphyrins (In German)

J. W. BUCHLER, KIONG-LAM LAY, and H. STOPPA 433

Comparison between ^{11}B and ^{13}C Chemical Shifts of Three-Coordinate Boron Compounds and Carbenium Ions (In German)

B. WRACKMEYER 439

The Chemistry of the 1-Aza-2-bora-3-oxacyclopentane System (In German)

H.-G. KÖHN and A. MELLER 447

N-H Activation on Os_3 Clusters. Preparation and Characterization of $\text{Os}_3(\text{CO})_{11}(\text{NH}_3)$, $\text{Os}_3(\text{CO})_{11}(\text{NHC}_6\text{H}_{10})$ and $\text{Os}_3(\text{CO})_{10}(\mu\text{-H})(\mu\text{-NC}_6\text{H}_{10})$ (In German)

G. SÜSS-FINK 454

A Convenient Preparation Method of Anhydrous Lithium, Potassium, Rubidium and Cesium Dithiocarboxylates

S. KATO, S. YAMADA, H. GOTO, K. TERASHIMA, M. MIZUTA, and T. KATADA 458

Electronic Effects of Aryl and Heteroaryl Groups on the Rate of Nucleophilic Displacement of Chlorine from 5-Heteroaryl(or Aryl)-2-chloropyrimidines by Piperidine

D. W. ALLEN, D. J. BUCKLAND, and B. G. HUTLEY 463

Electronic Effects of Aryl and Heteroaryl Groups on the Rate of Quaternization of 5-Aryl(or Heteroaryl)pyrimidines

D. W. ALLEN, D. J. BUCKLAND, and B. G. HUTLEY 468

The Recombination Luminescence of Tryptophan in Aqueous Glasses, I. Quenching Effect of Electron Scavengers

S. YAMASHITA and G. TOMITA 471

Towards a Classification of Singlet Carbenes

W. W. SCHOELLER and U. H. BRINKER 475

Conformation Analysis of Benzo-Condensed Eight-Membered Rings (In German)

H. MEIER, H. GUGEL, M. BARTH, and U. PLÜCKEN 477

Biosynthesis of Riboflavin. Enzymatic Deamination of 2,5-Diamino-6-hydroxy-4-ribitylaminopyrimidine-5'-phosphate

G. KLEIN and A. BACHER 482

Reactions with the Arylhydrazones of α -Cyano-ketones: Utility of Arylhydrazonomesoxalonitriles for the Synthesis of Azoles and Azolines

E. A. A. HAFEZ, M. A. E. KHALIFA, S. K. A. GUDA, and M. H. ELNAGDI	485	The Electrolysis of P_4/HSO_3F Mixtures (In German)	
Investigations of Quaternary Pyridinium Salts, X. A Condensation Reaction of 3-Cyanopyridinium Salts on Addition of Alcoxides (In German)		H. P. FRITZ and O. S. HUBER	530
W.-H. GÜNDEL	490	Electrochemical Syntheses, III. Metal Carbonyls and Phosphane Derivatives of Group IV B Elements (In German)	
Sila-Drugs, 16 th Communication. Sila-Analogues of Nifedipine-Like Dialkyl 4-Aryl-2,6-dimethyl-1,4-dihydropyridine-3,5-dicarboxylates, I (In German)		J. GROBE and H. ZIMMERMANN	533
R. TACKE, A. BENTLAGE, R. TOWART, H. MEYER, F. BOSSERT, W. VATER, and K. Stoepel	494	Electrochemical Investigation of 1-Phenyl-5-mercaptopotetrazoles (In German)	
Structure of Bridged Photoisomers of Cyclodiene Insecticides (In German)		O. GÜRTLER	539
J. SCHMITZER, K. HUSTERT, H. PARLAR, and F. KORTE	502	Organolead Compounds of Mercaptocarboxylic Acids (In German)	
		C.-D. HAGER and F. HUBER	542
		A New Synthesis of Fluorophosphonato Complexes of Palladium and Platinum (In German)	
		S. HIETKAMP and R. SCHMUTZLER	548
		Preparation and Spectroscopical Characterisation of Tetrahalooxalato-osmates(IV) (In German)	
		H. HOMBORG, W. PREETZ, G. BARKA, and G. SCHÄTZEL	554
		Spectroscopically Pure Bis(phthalocyaninato)protactinium(IV) (In German)	
		F. LUX, O. F. BECK, H. KRAUSS, D. BROWN, and T. C. Tso	564
		Boration Reactions with the N-Oxides and m-Imines of Unsaturated Nitrogen Bases (In German)	
		P. PAETZOLD and G. SCHIMMEL	568
		Reaction of Imidodiphosphoric Tetraphenylester with Mercury(II) Oxide and Phenylmercury-hydroxide (In German)	
		H. RICHTER, E. FLUCK, and W. SCHWARZ	578
		An Ylide Complex of Ruthenium with Three- and Four-Membered Metalloccycles (In German)	
		H. SCHMIDBAUR and G. BLASCHKE	584
		Studies on Vitamin B_{12} and Related Compounds, 50. Synthesis of Substituted Alkylcobalamins from Vitamin B_{12r} and Radicals Generated from Aldehydes, Alcohols and Ethers under "Oxidizing-Reducing" Conditions. A New Synthesis of Coenzyme B_{12}	
		G. N. SCHRAUZER, M. HASHIMOTO, and A. MAIHUB	588
		Organometal phosphine-Substituted Transition Metal Complexes, XXVI. Dicarbonyl Nitrosyl Organometal Phosphine Cobalt Complexes (In German)	
		H. SCHUMANN and M. MEISSNER	594
		Reaction of Vanadocene with Silyl Azides Preparation and Properties of the Nitrene Complex (C_5H_5) ₂ VNSiMe ₃ (In German)	
		N. WIBERG, H.-W. HÄRING, and U. SCHUBENT	599
		A Refinement of the Structure of the Nitride $MgSiN_2$ - a Study by Neutron Diffraction (In German)	

Notes

The Electronic Structure of Highly Symmetrical Compounds of the f-Elements, XIV. The Preparation of Bromo-Elpasolites for Optical Measurements (In German)	
H.-D. AMBERGER	507
Preparation, Crystal Data and Properties of the Quaternary Thiostannates(IV) $BaZnSnS_4$ and $BaMnSnS_4$ (In German)	
CHR. L. TESKE	509
New Triterpenoid from <i>Primula denticulata</i> (In German)	
V. U. AHMAD, Q. NAJMUS-SAQIB, K. USMAN-GHANI, W. FUCHS, and W. VOELTER	511

Contents of Number 5

Original Communications

Synthesis of Diorganylamino Substituted Carbodiphosphoranes (In German)	
R. APPEL and U. BAUMEISTER	513
Contributions to the Chemistry of Phosphorus, 96. Preparation and ^{31}P NMR Spectrum of Isotopically Substituted Trilithiumheptaphosphide, 6Li_3P_7 (In German)	
M. BAUDLER, TH. PONTZEN, J. HAHN, H. TERNBERGER, and W. FABER	517
Nitrido and Oxochloro Complexes of Vanadium(V); the Crystal Structure of $AsPh_4[VOCl_4]$ (In German)	
G. BEINDORF, J. STRÄHLE, W. LIEBELT, and K. DEHNICKE	522
A Simplified Synthesis and Reactions of Selenocarbonyldifluoride (In German)	
A. DARMADI, A. HAAS, and B. KOCH	526

M. WINTENBERGER, F. TCHEOU, J. DAVID, and J. LANG	604	D. CH. DE BEAULIEU and H.K. MÜLLER-BUSCH-BAUM	669
Dodecamethyl Bisimidotriphosphoramidate (TRIPA). A Tridentate Ligand, Part II		On $\text{Ba}_2\text{ZnGe}_2\text{S}_6\text{O}$. A New Oxide Sulfide with Tetrahedral Framework Structure (In German)	
J. C. P. M. LAPIDAIRE and W. L. GROENEVELD	607	CHR. L. TESKE	672
Semicobaltates - Alkali Metal Carriers in Hydrocarbons Synthesis, Properties, and Structure of $\text{K}[\text{Co}(\text{C}_2\text{H}_4)(\text{PMe}_3)_3]_2$ (In German)		Electronic and Resonance Raman Spectra of Some New Mixed-Valence Compounds of Pt and Pd with a Metal-Halide Chain	
H.-F. KLEIN, J. GROSS, J.-M. BASSETT, and U. SCHUBERT	614	G. C. PAPAVALASSIOU and D. LAYEK	676
New Ternary Compounds of Phosphorus and Arsenic with the $\text{Zr}_2\text{Fe}_{12}\text{P}_7$ -Structure (In German)		Transition Metal Methylene Complexes, X. Methylene and Alkyl Iron Complexes from Diazoalkanes. Molecular Structure of μ -Carbonyl- μ -tert-butoxycarbonyl-methylene-bis[carbonyl(η^5 -cyclopentadienyl)iron] (Fe-Fe) (In German)	
A. MEWIS	620	W. A. HERRMANN, J. PLANK, I. BERNAL, and M. CRESWICK	680
New Reduced Halides of Rare Earth Metals with Condensed Clusters: Tb_6Br_7 and Er_6I_7 (In German)		Synthesis and Reactivity of η^5 -Indenyl-trimethylphosphanerhodium(I) and -rhodium(III) Complexes (In German)	
K. BERROTH, H. MATTAUSCH, and A. SIMON	626	H. WERNER and R. FESER	689
Products of the Reaction of Pentacarbonyl Iron with N-Substituted Imidazoles (In German)		Perfluoromethyl Element Ligands, XXIII. Preparation and Spectroscopic Investigation of $\text{Mo}(\text{CO})_5\text{L}$ Complexes ($\text{L} = \text{R}_2\text{EER}'_2$, $\text{R}_2\text{EE}'\text{R}$; $\text{R}, \text{R}' = \text{CH}_3, \text{CF}_3$; $\text{E} = \text{P}, \text{As}$; $\text{E}' = \text{S}, \text{Se}, \text{Te}$) (In German)	
F. SEEL, R. LEHNERT, E. BILL, and A. TRAUTWEIN	631	J. GROBE and DUC LE VAN	694
NMR Studies on Organoelement(IVb)-phosphines VI. ^{61}Ni NMR Spectroscopic Investigations on Organoelement(IVb) Substituted Complexes of Tetracarbonylnickel (In German)		^{119}Sn NMR Shifts and Coordination Shifts of Halogenostannylene Complexes (In German)	
H. SCHUMANN, M. MEISSNER, and H.-J. KROTH	639	W.-W. DU MONT and H.-J. KROTH	700
Chlorine Isotope Separation Using an Hydrous Zirconium Dioxide Exchanger (In German)		On the Structure of Ternary Arsenides (In German)	
K. G. HEUMANN, K. BAIER, and G. WIBMER	642	M. PFISTERER and G. NAGORSEN	703
Selective Bulk-Hydrogenation of α, β Unsaturated Ketones to Ketones with Homogeneous Ir and Ru Catalysts (In German)		On the Influence of the pH Value on the Polarographic Reduction of the Nitrophenols in Presence and Absence of Campher (In German)	
W. STROHMEIER, M. MICHEL, and L. WEIGELT	648	D. JANNAKOUDAKIS and E. THEODORIDOU	705
		Reaction of BiCl_3 with N,N'-Bis(trimethylsilyl)urea, and Acetone (In German)	
		A. GEORGIADIS, G. SCHILLING, and H. P. LATSCHA	709
Contents of Number 6		Reinvestigation of the Behaviour of Benzal-anils towards the Action of Potassium Cyanide	
<i>Original Communications</i>		I. I. ABD EL GAWAD, ABD EL-HAMMID HARHASH, and M. M. M. ABOU EL-ZAHAB	712
Preparation and X-ray Investigations of Cesium Silver Gold(III) Chloride (In German)		The Metal Chelates of Heterocyclic β -Diketones and their Derivatives, Part IV. New Mixed Ligand Tetrakis Complexes of Lanthanides Derived from tris-Acetylacetonates and Some 4-Acyl Pyrazolones	
H. J. BERTHOLD and W. LUDWIG	651	E. CH. OKAFOR	715
On the Bis(chlorosulfur)nitrogen Cation $\text{N}(\text{SCl})_2^+$ (In German)		Transition Metal Complexes of Diazenes, XV. Synthesis and Properties of Heterodimetal Complexes $\text{L}_m\text{M}-(\text{cis-RN}=\text{NR})-\text{M}'\text{L}_m$ (In German)	
O. GLEMSE, E. KINDLER, B. KREBS, R. MEWS, F.-M. SCHNEPEL, and J. WEGENER	657	R. BATTAGLIA, H. KISCH, C. KRÜGER, and L.-K. LIU	719
Dicarbonyl-, Carbamoyl-carbonyl- and Carbo-methoxo-carbonyl Complexes of Rhodium with Tri- and Tetratertiary Phosphine Ligands (In German)			
H. BEHRENS, J. ELLERMANN, and E. F. HOHENBERGER	661		
Oxovanadates with Mixed Valence, I. A New Crystal Structure of $\text{BaV}_{10}\text{O}_{15}$ (In German)			

- Reductones of Tetramic, Tetric and Thiotetric Acids (In German)
H.-D. STACHEL, H. POSCHENRIEDER, and H. BURGHARD 724
- Nonenzymatic Catalysis by Metal Ions and Phosphoric Acid Esters of Hydroxamic Acid Formation
O.E. SAYGIN and P. DECKER 727
- Singlet Oxygen Production Photosensitized by Fluorescein in Reversed Micellar Solutions
N. MIYOSHI and G. TOMITA 731
- Buffer Action of Reversed Micelles
N. MIYOSHI and G. TOMITA 736
- Solubilization of Methylene Blue in Reversed Micelles, Effect of Water
N. MIYOSHI and G. TOMITA 741
- Pyrroloquinolines, Part III. Synthesis of 1H-Pyrrolo(2,3-b)quinolines
M. MURUGESAN, K. RAMASAMY, and P. SHANMUGAM 746
- Synthesis of 2,2-Dihydro-1,4,2-diazaphosphol-4-enes (In German)
K. BURGER, S. PENNINGER, and S. TREMMEL 749
- The Chemistry of Heteroarylphosphorus Compounds, Part 14. Effects of Heteroaryl Substituents at Phosphorus on the Steric Course of Wittig Reactions of Semistabilised and Stabilised Ylides
D. W. ALLEN and H. WARD 754
- Quantitative Evaluation of the Reactivity of Alkylating Agents
N. BODOR, J. J. KAMINSKI, S. D. WORLEY, and ST. H. GERSON 758
- Furanoid Diterpenes in the Bitter Fraction of *Teucrium chamaedrys* L.
G. Y. PAPANOV and P. Y. MALAKOV 764
- Study on Trimethylsiloxyalkanols
R. K. KANJOLIA and V. D. GUPTA 767
- Notes*
- On two Lead Antimony Phosphates with Eulytine Structure: $Pb_3Sb^{III}(PO_4)_3$ and $Pb_{11}Sb^V(PO_4)_9$ (In German)
G. ENGEL and J. BELGARDT 771
- Preparation and Structure of Bis(dimethylgallium)-N,N'-dimethyldithiooxamide (In German)
T. HALDER, H.-D. HAUSEN, and J. WEIDLEIN 773
- Crystal Structure of $BaTiS_3$ (In German)
J. HUSTER 775
- Preparation, IR Spectrum and Crystallographic Data of $[ReNCl_3 \cdot POCl_3]_4 \cdot 2 POCl_3$ (In German)
W. LIESE, K. DEHNICKE, I. WALKER, and J. STRÄHLE 776
- Ternary Sodium Phases with Cadmium or Mercury and Tin or Lead (In German)
R. MATTHES and H.-U. SCHUSTER 778
- On the Role of the Electronic Bulk Properties of Semiconducting Minerals in their Interaction with Electrolytes
O. A. KUNZE 781
- Cyclophosphazenes as Novel Antitumour Agents: Geometry of the Hexaziridinocyclotriphosphazene, $N_3P_3Az_6$, from an X-ray Investigation of the Benzene Clathrate
T. ST. CAMERON, CHR. CHAN, J.-F. LABARRE, and M. GRAFFEUIL 784
- Regiospecific Synthesis of 1,2-Dialkylthio-7(alkyl- or aryl)thiocycloheptatrienes and 1,2-Dialkylthio-7-alkoxycycloheptatrienes
M. CAVAZZA, G. MORGANTI, and F. PIETRA 786
- Contents of Number 7*
- Original Communications*
- Crystal Structure of Dodecamethyl-hexasila-tetraarsa-adamantane $(SiMe_2)_6As_4$ (In German)
W. HÖNLE and H. G. VON SCHNERING 789
- X-ray Structural Analysis and Vibrational Spectra of Trisulfurdinitrogen dioxide, $S_3N_2O_1$ (In German)
R. STEUDEL, J. STEIDEL, and N. RAUTENBERG 792
- Preparation and Characterization of the Tetrabutylammonium Salts of $[Tc_2Cl_8]^{2-}$, $[Tc_2Cl_8]^{3-}$ and $[Tc_2Br_8]^{2-}$ (In German)
W. PREETZ and G. PETERS 797
- Preparation and Characterization of 1,4- and 1,5-Diene Complexes of Platinum; X-ray Analysis of Dichloro-2,5-diphenyl-1,5-hexadiene Platinum(II), $((Cl_2Pt(C_6H_5)_2C_6H_5))$ (In German)
M. KOPP, L. R. KRAUTH, R. RATKA, K. WEIDENHAMMER, and M. L. ZIEGLER 802
- Hydrates of Manganese and Zinc Sulfit. X-ray, Thermoanalytical, Raman and IR Data (In German)
H. D. LUTZ, S. M. EL-SURADI, CH. MERTINS, and B. ENGELEN 808
- Synthesis and Reactions of Oxovanadium(V) Tricarboxylates (In German)
F. PREUSS, W. TOWAE, and J. WOITSCHACH 817
- Europium(II)Heptaphosphide EuP_7 (In German)
H. G. v. SCHNERING and M. WITTMANN 824
- Polydentate Ligands Containing Phosphorus, III. Synthesis and Nuclear Magnetic Resonance Studies of Some Unsymmetrical Potentially Tridentate Phosphine Chalcogenide Ligands
S. O. GRIM, L. C. SATEK, and J. D. MITCHELL 832

Methylene Compounds of Non-Metals, III. Metal Carbonyl Complexes of Methylene-Bridged Diphosphorus Ligands (In German) M. FILD, W. HANDKE, and W. S. SHELDRIK 838	Total Synthesis of Somatostatin-28 (Big Somatostatin) (In German) E. WÜNSCH, L. MORODER, M. GEMEINER, E. JAEGER, A. RIBET, L. PRADAYROL, and N. VAYSSE 911
(η -Cyclooctatetraene)(η -cyclooctatrienyl)rhodium(I) and Some Related Rhodium Complexes (In German) H.-O. STÜHLER 843	A New Weak Base from <i>Rauwolfia vomitoria</i> Afzue-lia A. MALIK, S. SIDDIQUI, and W. VOELTER 920
Surface Compounds of Transition Metals, XXIII. The Reaction of Cycloolefines with Surface Chromium(II) on Silicagel at Higher Temperature (In German) H.-L. KRAUSS and E. HUMS 848	
S ₄ N ₄ and its Derivatives: α -FeCl ₃ · S ₄ N ₄ , a Transition Metal Complex with the S ₄ N ₄ Ligand (In German) U. THEWALT 855	
Preparation of Iron Tetracarbonyl Complexes with Thioacetamides as Ligands (In German) W. PETZ 860	
Organometal phosphine-Substituted Transition Metal Complexes, XXVII. Trinitrosyl(organometal phosphine)manganese Complexes (In German) H. SCHUMANN and M. MEISSNER 863	
Contributions to the Chemistry of Silicon and Germanium, XXXII. Isomerization of Higher Silanes with Aluminium Chloride (In German) F. FEHÉR, F. OCKLENBURG, and D. SKRODZKI 869	
Synthesis and Ligand Properties of an 1,2,5-Azadiborolene Derivative (In German) W. SIEBERT, H. SCHMIDT, and R. FULL 873	
Tellurium in Organic Synthesis, IX. Oxidation of Some Nitrogenous Compounds with TeO ₂ (In German) J. BERGMAN and L. ENGMAN 882	
Alkaloids in <i>Tabernaemontana</i> Species, XII. Investigation of the Alkaloids from <i>Tabernaemontana olivacea</i> – Condyllocarpine-N-oxide, a New Alkaloid from <i>T. olivacea</i> (In German) H. ACHENBACH and B. RAFFELSBERGER 885	
Synthesis of Isocoumarines from Phenylmalonyl Heterocyclic Compounds (In German) W. STADLBAUER, N. GHOBRIAL, and TH. KAPPE 892	
Investigations of Quaternary Pyridinium Salts, XI. Reactions of Cyanopyridinium Salts with Hydroxylamine (In German) W.-H. GÜNDEL 896	
Nitrodiphenylethers, their Preparation and Herbicidal Activity (In German) H. SCHÖNOWSKY and H. BIERINGER 902	
Dialkyl Resorcinols from <i>Pseudomonas aureofaciens</i> (In German) H. BUDZIKIEWICZ, H. SCHOLL, and W. NEUENHAUS 909	
	Notes
	Alkynyl Compounds of Transition Metals, XXXXI. Planar Complexes of the Type <i>trans</i> -[Pd(C $\equiv$ CC ₆ H ₄ C $\equiv$ CH) ₂ (Pet ₃) ₂] (In German) R. NAST and A. BEYER 924
	The Structure of [η^3 -C ₃ H ₅ PdP(C ₆ H ₅) ₃] ₂ P. W. JOLLY, C. KRÜGER, K.-P. SCHICK, and G. WILKE 926
	Ternary Molybdenum Sulfides of the Heavy Alkali Metals M. KÜMPERS and R. SCHÖLLHORN 929
	(Hydroxyalkyl)- and (4-Hydroxyphenyl)-organoplumbyl Sulfides (In German) C.-D. HAGER and F. HUBER 931
	The Transmission of Substituent-Induced ¹³ C NMR Chemical Shifts in <i>para</i> -Substituted 3-Phenyl Propanoic Acid Methyl Esters (In German) R. RADEGLIA, S. L. SPASSOV, R. STEFANOVA, and S. D. SIMOVA 934
	The Behavior of Mono- and Diorganylphosphane Sulfides towards Metal Carbonyl Systems, XXIII. Crystal and Molecular Structure of μ -[Oxybisdimethylphosphane]-bis[dicarbonyl(η^5 -cyclopentadienyl)-manganese(1)] (In German) E. LINDNER, S. HOEHNE, and J.-P. GUMZ 937
	Contents of Number 8
	Original Communications
	AB ₂ X ₂ Compounds with the CaAl ₂ Si ₂ Structure, VII. The Crystal Structure of SrZn ₂ As ₂ , SrCd ₂ As ₂ , and YbMnCuP ₂ (In German) A. MEWIS 939
	Preparation and Crystal Structure of CaCu ₄ P ₂ (In German) A. MEWIS 942
	Mineralization of CCl ₄ and CCl ₂ F ₂ on Solid Surfaces S. GÄB, J. SCHMITZER, W. V. TURNER, and F. KORTE 946
	Rb ₆ In ₂ S ₆ and Rb ₄ In ₂ S ₅ , Two New Thioindates with Isolated and Connected [In ₂ S ₆] ⁴⁻ Anions Respectively (In German) H.-J. DEISEROTH 953

(MePNMe) ₄ S ₃ , a Cyclotetra($\lambda^3, \lambda^5, \lambda^5, \lambda^5$ -phosphazane) (In German) W. ZEISS, W. SCHWARZ, and H. HESS	959	The Electronic Structure and the He(I). Photoelectron Spectrum of Tricarbonylcyclooctatetraene-iron M. C. BÖHM and R. GLEITER	1028
Synthesis and Structure of Phosphazenylicyclophosphazenes (In German) D. DAHMANN, H. ROSE, and W. WALZ	964	MNDO Calculations on the Unimolecular CO Loss from Isomeric C ₃ H ₅ CO ⁺ Ions (In German) G. FRENKING, J. SCHMIDT, and H. SCHWARZ	1031
Thermal Decomposition of Nonstoichiometric Cesium-Silver-Gold(III)-Chloride and Preparation of Mixed Crystals of Cs ₂ AgAuCl ₆ and Cs ₂ Au ^I Au ^{III} Cl ₆ (In German) H. J. BERTHOLD and W. LUDWIG	970	Reaction of Dihydroxymethyl Radical with Molecular Oxygen in Aqueous Solution E. BOTHE and D. SCHULTE-FROHLINDE	1035
Preparation and Spectroscopic Properties of Me ₃ SiOP(S)Cl ₂ , Me ₃ SiOP(S)Br ₂ and Me ₃ SiOP(O)Br ₂ (In German) A.-F. SHIHADA and R. MAJED	976	Kinetic Analysis for the Conversion of Oxirenes or Thiirenes and their Open-Chain Valence Isomers (In German) H. MEIER and H. KOLSHORN	1040
Reactions of Ferrocenyldiphenylphosphine. Effects of the Ferrocenyl Group at Phosphorus on the Course of Decomposition of Phosphonium Betaines and Vinylphosphonium Salts D. W. ALLEN	981	Some Extensions of von Braun (BrCN) Reaction on Organic Bases S. SIDDIQUI and B. S. SIDDIQUI	1049
Strong Organometallic Lewis Acids, III [1]. Reactions of Tricarbonyl- η^5 -cyclopentadienyl Molybdenum Tetrafluoroborate with Cyclic Ethers (CH ₂) _n O (<i>n</i> = 2, 3, 4) and Dioxane (In German) K. SCHLOTER and W. BECK	985	<i>Notes</i> An Electronegativity Scale for RSO ₂ Groups as Empirically Estimated from the S-Cl Bond Lengths of Sulphonyl Chloride Molecules I. HARGITTAI and C. BLIEFERT	1053
A Spiro-bicyclic Phosphorus Ylide and its Corresponding Phosphonium Cation (In German) H. SCHMIDBAUR and A. MÖRTL	990	Na ₂ AuAs, Na ₂ AuSb, K ₂ AuSb - Three New A ₂ BX Compounds with a B-X Chain Structure (In German) C. MUES and H.-U. SCHUSRER	1055
Geometric Isomerism of Bond Isomeric Hexakis(thiocyanatoisothiocyanato)osmates(III) (In German) G. PETERS and W. PREETZ	994	Contents of Number 9	
Reactions of Triphenylbismuthan with Aliphatic Dicarboxylic Acids (In German) A. GEORGIADIS and H. P. LATSCHA	1000	<i>Original Communications</i> Mesitylhydroxylamines, III. The Reaction of Methane Sulfonyl Fluoride and Hydroxylamine (In German) K. BRINK and C. BLIEFERT	1059
Mesoionic 4 <i>n</i> π -Heterocycles, I. Mesoionic 4 <i>n</i> Five-Membered Heterocycles and 8 <i>n</i> -Heteropentale-nes. Development of the Systems and Investigations on the 1-Oxo-1 H-pyrazolo[1,2-a]pyrazol-4-ium-3-olate Type (In German) W. FRIEDRICHSEN	1002	Vibrational Spectra of the Cage Compounds P ₄ S ₃ , P ₄ Se ₃ , As ₄ S ₃ and As ₄ Se ₃ (In German) W. BUES, M. SOMER, and W. BROCKNER	1063
Nonenzymatic Formation of Energy Rich Phosphates in the Course of Imidazole Oxidation with Fenton's Reagent Ö. SAYGIN	1009	Tetrazido-nitrido-molybdate (VI); Preparation, IR Spectrum and Crystal Structure of AsPh ₄ [MoN(N ₃) ₄] (In German) K. DEHNICKE, J. SCHMITTE, and D. FENSKE	1070
Structure Determination of 3,5-Biscyclohexylidene-1,2,4-trithiolane (In German) W. WINTER, H. BÜHL, and H. MEIER	1015	Structure and Coordination Chemistry of Phosphino Derivatives of 5-Methoxy-2(5 H)-furanon (In German) D. FENSKE, H. PROKSCHA, P. STOCK, and H. J. BECHER	1075
Structures of 1-Phenyl-3-methyl-pyrazolone-5 and its Benzoyl Derivatives E. CH. OKAFOR	1019	Transition Metal Carbyne Complexes, LX. Novel Triphenylsilyl Carbene Complexes of Rhenium by Reaction of a Cationic Carbyne Complex with Nucleophiles (In German) E. O. FISCHER, P. RUSTEMEYER, and D. NEUGEBAUER	1083
Electrophilic Substitution of Aromatic Compounds by Unsaturated Sugar Derivatives G. GRYNKIEWICZ and A. ZAMOJSKI	1024		

- Chemical Behaviour of the Silicon Oxide Fluoride $F_3SiOSiF_3$ (In German)
E. JACOB 1088
- Inert Ammine Complexes as Multivalent Cationic Acids in Aqueous Solution (In German)
M. KRETSCHMER, L. LABOUVIE, K.-W. QUIRIN, H. WIEHN, and L. HECK 1096
- Preparation and Properties of, and Reactions with, Metal-Containing Heterocycles, VII. Heterolytic Cleavage of the Re-Re Bond in the Binuclear Anions $[(OC)_4ReP(R_2O)_2]^{2-}$ with Electrophiles - a Pathway to Heterocycles with Re-C σ Bonds (In German)
E. LINDNER and G. VON AU 1104
- Synthesis and Properties of a New Kind of One-Dimensional Conductors. Poly-trans(alkynyl)-phthalocyaninatosilicon (IV) (In German)
K. MITULLA and M. HANACK 1111
- Synthesis and Properties of New Chloro Tris(carbonylmetalato) Tin(IV) Complexes and the X-ray Structure Analysis of $ClSn[Fe(CO)_2Cp]_2[Co(CO)_4]$ (In German)
M. MOLL, H. BEHRENS, P. MERBACH, K. GÖRTING, G. LIEHR, and R. BÖHME 1115
- C-N, Si-N and P-N Bond Cleavage in Reactions of Phosphorus Pentafluoride with a Fluorophosphine and a Fluorophosphorane, Containing the N-Trimethylsilyl-N-*tert*-butyl Group (In German)
G.-V. RÖSCHENTHALER, W. STORZER, and R. SCHMUTZLER 1125
- Synthesis of Four- and Eight-Membered Heterocycles Containing Sulfur, Nitrogen and Phosphorus and the X-ray Structure of a Phosphorus-Containing Eight-Membered SN-Ring (In German)
H. W. ROESKY, S. K. MEHROTRA, CH. PLATTE, D. AMIRZADEH-ASL, and B. ROTH 1130
- The Force Field of SF_4 (In German)
W. SAWODNY, K. BIRK, G. FOGARASI, and K. O. CHRISTE 1137
- New Methods for the Preparation of Chlorine Nitrate $ClONO_2$
M. SCHMEISSER, W. ECKERMANN, K. P. GUNDLACH, and D. NAUMANN 1143
- Synthesis and Crystal Structure of a Triazido Nitrido Bipyridyle Complex of Molybdenum(VI): $MoN(N_3)_3(bipy)$ (In German)
E. SCHWEDA and J. STRÄHLE 1146
- Preparation and Properties of (Trifluoro)acetylphosphole (In German)
E. LINDNER and G. FREY 1150
- Aminofluorosilanes: 1,3-Migration of Silyl Groups and Si-N-Rotational Barrier (In German)
U. KLINGEBIEL and J. NEEMANN 1155
- The Crystal Structures of U_2Cu_3Al and $UCuAl_2$, and their Relationship with Some Other Phases in the System U-Cu-Al
Ž. BLAŽINA and Z. BAN 1162
- The Structure of Thiodithiazyl Derivatives. An Example of an Electron-Rich-Four-Center-Bond
R. GLEITER, R. BARTETZKO, and P. HOFMANN 1166
- Isolation and Partial Characterization of Adipotropin, an Apparent New Lipolytic Peptide from Bovine Anterior Pituitary Lobes
K. O'MALLEY and K. FOLKERS 1171
- Contents of Number 10
- Original Communications*
- Sulfur Oxidation of Amino Substituted Cyclotri- $(\lambda^3$ -phosphazanes) (In German)
W. ZEISS and H. KLEHR 1179
- NMR Spectroscopic Investigations on *t*-Butylphenyl-phosphinic Acid(—)-Menthyl Ester, II. 1H , ^{13}C and ^{31}P NMR Analysis of Absolute Configuration at the Phosphorus Center (In German)
G. HÄGELE, D. WENDISCH, R. LUCKENBACH, and H.-H. BECHTOLSHEIMER 1182
- Crystal Structure of Hexakis(thiazylfluoride)nickel-(II) Hexafluoroarsenate (In German)
G. HARTMANN, P. G. JONES, R. MEWS, and G. M. SHELDRICK 1191
- Reactions of 2,6,15,19-Tetrathia[7,7]paracyclophane with Heavy Metal Salts (In German)
A. R. KORAY and M. L. ZIEGLER 1193
- Synthesis of "Nitrene Complexes" via Acid Azides and Azido Acid Esters (In German)
R. KORSWAGEN and M. L. ZIEGLER 1196
- Some Observation on Nickel(IV) Periodate
M. CHAUDHURY, A. ROY, B. P. GHOSH, and K. NAG 1201
- Dodecamethyl Bisimidotriphosphoramidate (TRIPA), Part III. The Crystal and Molecular Structure of $TRIPA \cdot H_2O$
J. C. P. M. LAPIDAIRE and A. J. DE KOK 1203
- Transition Metal Substituted Phosphanes, Arsanes and Stibanes, XXIV. Functional Arsane Ligands via Reaction of Transition Metal-Dimethylarsine-sulfides with Acetylhalide (In German)
R. JANTA and W. MALISCH 1207
- Contributions to the Chemistry of Boron, 112. 1,3,2-Dithiaboroles (In German)
R. GOETZE and H. NÖTH 1212
- Four- and Fivemembered Phosphorus Heterocycles, L. Tautomerism and Substitution at 5-Dimethylamino-1,2,4,3 λ^3 -triazaphosphole (In German)
A. SCHMIDPETER and H. TAUTZ 1222

Application of ^{11}B NMR Spectroscopy to the Study of Hydroboration, I. Hydroboration of 3-Methyl-1,3-butadiene with Borane in Tetrahydrofuran and Dimethyl Sulfide (In German)	
R. CONTRERAS and B. WRACKMEYER	1229
Application of ^{11}B NMR Spectroscopy to the Study of Hydroboration, II. Hydroboration of 1,5-Cyclooctadiene with Borane in Tetrahydrofuran (In German)	
R. CONTRERAS and B. WRACKMEYER	1236
Compounds of Complex Halo and Pseudohalo Acids of the Group II B Metals, Part II. Etherate and Aniline Compounds of Cd(II)	
S. P. PERLEPES, TH. F. ZAFIROPOULOS, J. K. KOUINIS, and A. G. GALINOS	1241
Compounds of Complex Halo and Pseudohalo Acids of the Group II B Metals, Part III. Spectral Studies of the HgI_3^- Ion	
S. P. PERLEPES, TH. F. ZAFIROPOULOS, J. K. KOUINIS, and A. G. GALINOS	1244
Structural Isomers of Copper(I) Iodide Pyridine and their Luminescence Properties. Synthesis and Crystal Structure of a New Modification of $\text{CuI} \cdot \text{NC}_5\text{H}_5$ (In German)	
E. EITEL, D. OELKRUG, W. HILLER, and J. STRÄHLE	1247
Bis(η^5 -cyclopentadienyl)N,N-disubstituted Dithiocarbamato(chloro)oxomolybdenum(VI) Complexes	
H. S. SANGARI, G. S. SODHI, N. K. KAUSHIK, and R. P. SINGH	1254
Distribution and Valence of the Cations in Spinel Systems with Iron and Vanadium, I. X-ray Investigation and Mössbauer Spectra of the Spinel System ZnV_2O_4 - ZnFe_2O_4 (In German)	
E. RIEDEL, T. DÜTZMANN, and N. PFEIL	1257
Distribution and Valence of the Cations in Spinel Systems with Iron and Vanadium, II. X-ray Investigation, Seebeck Coefficients, Mössbauer and IR Spectra of the Solid Solutions Fe_2VO_4 - ZnV_2O_4 and Fe_2VO_4 - ZnFe_2O_4 (In German)	
E. RIEDEL and N. PFEIL	1261
Phase Relations in the System Ag-As-S and Thermal Behaviour of Ag_7MX_6 Compounds (In German)	
R. BLACHNIK and U. WICKEL	1268
Electronic and Resonance Raman Spectra of the Linear Chain Mixed Valence Compound $\text{Pt}(\text{NH}_3)_2(\text{SCN})_2\text{I}$	
R. J. H. CLARK, M. KURMOO, K. D. BUSE, and H. J. KELLER	1272
Crystal and Molecular Structure of the Linear Chain Bis(1,2-diaminopropane)platinum(II, IV)-tribromide	
H. ENDRES, H. J. KELLER, R. MARTIN, and S. NÖTZEL	1274
Cationic Thionitrosyl Complexes of Chromium (In German)	
M. HERBERHOLD and L. HAUMAIER	1277
The Binuclear Complexes $\text{Cp}_2\text{Mn}_2(\text{CO})_4\text{S}_2$ and $\text{Cp}_2\text{Mn}_2(\text{CO})_4\text{Se}_2$ (In German)	
M. HERBERHOLD, D. REINER, B. ZIMMER-GASSER, and U. SCHUBERT	1281
Gold Complexes of a P-Coordinate Cyclotriphosphazene	
K. C. DASH, A. SCHMIDPETER, and H. SCHMIDBAUR	1286
The Synthesis of Organometallic Ylides. Interaction of Methylene triphenylphosphorane with Bis(η^5 -cyclopentadienyl)zirconium and -hafnium Dichlorides and the Molecular Structure of Bis(η^5 -Cyclopentadienyl)chlorozirconylmethylenetriphenylphosphorane	
J. C. BALDWIN, N. L. KEDER, CH. E. STROUSE, and W. C. KASKA	1289
Bis(η^2 -olefin)tetracarbonyltungsten and -molybdenum Complexes: Photochemical Synthesis, Structure and Fluxional Behaviour (In German)	
F.-W. GREVELS, M. LINDEMANN, R. BENN, R. GODDARD, and C. KRÜGER	1298
Synthesis of Hexahydroindazole, Tetrahydro-[pyrimidoquinazolinone, benzodiisoxazolone] Derivatives and Anils from Diethyl 1,4-Cyclohexanedione-2,5-dicarboxylate	
EL-S. AFSAH, F. A. AMER, M. A. METWALLY, and M. T. EL-ZIMATTY	1310
Synthesis of Some Pyrazolo [Diazepine, Pyrazole, Isoxazole and Pyrimidine] Derivatives and Related Compounds	
EL-S. AFSAH, F. A. AMER, and M. SOAFAN	1313
<i>Notes</i>	
AB_2X_2 Compounds with the CaAl_2Si_2 Structure, VIII (In German)	
P. KLÜFFERS, H. NEUMANN, A. MEWIS, and H.-U. SCHUSTER	1317
The Crystal Structure of $[\text{Cu}(\text{H}_2\text{NCH}_2\text{CH}_2\text{NH}_2)_2(\text{CuI}_{1/2})_2]$ (In German)	
B. FRECKMANN and K.-F. TEBBE	1319
Preparation and Crystal Structure of PrLi_2P_2 , PrLi_2As_2 and NdLi_2As_2 (In German)	
H.-O. FISCHER and H.-U. SCHUSTER	1322
Cationic Rhenium-pentacarbonyl Complexes with Oxygen- σ Ligands (In German)	
M. OLTMANN and R. MEWS	1324
cis-trans-Configuration of α -Azidochalkones	
D. KNITTEL and G. WEBER	1326

- Short Time Pyrolysis, Part 11. A Simple Synthesis of Dibenzopyracylene
G. SCHADEN 1328
- Contents of Number 11
- Original Communications*
- New Organophosphorus Ligands: 2-Pyridyl-phosphanes, -phosphanemethylenes, and -phosphaneboranes (In German)
H. SCHMIDBAUR and Y. INOBUCHI 1329
- On the Reaction of Trifluorophosphine (PF_3), Difluoromethylphosphite (F_2POCH_3) and Trimethylphosphite [$\text{P}(\text{OCH}_3)_3$] with Aquacobalamin in Methanol (In German)
R. BIEGANOWSKI and W. FRIEDRICH 1335
- Coloured Ternary and Quaternary Zintl-Phases (In German)
U. EBERZ, W. SEELENTAG, and H.-U. SCHUSTER 1341
- Structure and Properties of the Potassiumhydrogenarsenite-hemihydrate, $\text{KHA}_2\text{O}_4 \cdot 1/2 \text{H}_2\text{O}$ (In German)
J. FUCHS and H. GUEVARA 1344
- Spectroscopic Investigations in the Solid State Chemistry, XIII. Temperature Dependence of the ^{127}I -Nuclear Quadrupole Coupling in NH_4IO_4 and other Periodates (In German)
P. K. BURKERT 1349
- Preparation and Characterization of the Tetrabutylammonium Salts of the Tetrahalooxotechnetates(V), $[\text{TcOCl}_4]^-$ and $[\text{TcOBr}_4]^-$ (In German)
W. PREETZ and G. PETERS 1355
- Ring Contraction in the Cyclotrisilazane System – Synthesis and Molecular Structures of Silyl-Bridged Cyclodisilazanes (In German)
W. CLEGG, M. HESSE, U. KLINGEBIEL, G. M. SHELDRICK, and L. SKODA 1359
- On Two Modifications of “ Tl_2Cl_3 ”-Mixed Valence Thallium(I)-hexahalogenothallates(III) (In German)
R. BÖHME, J. RATH, B. GRUNWALD, and G. THIELE 1366
- Preparation, Properties and Crystal Data of 6-Methyl-4-methylen-2-phenyl-4H-1,3,2-dioxaphosphorin (In German)
J. v. SEYERL and G. HUTTNER 1373
- Preparation of (Trimethylsilylmethyl)gallium Compounds (In German)
K.-D. FUHRMANN and F. HUBER 1376
- X-ray Structural Analyses of Two Allotropes of Cycloheptasulfur (γ and δ - S_7)
R. STEUDEL, J. STEIDEL, J. PICKARDT, F. SCHUSTER, and R. REINHARDT 1378
- 4(4-Alkyloxybenzoyloxy)-4'-cyanoazobenzenes: A Homologous Series of Liquid Crystals Exhibiting the Unusual Phase Sequence Smectic A – Nematic – Smectic A (In German)
G. HEPPEKE, R. HOFF, B. KOHNE, and K. PRAEFCKE 1384
- 0,0-Diphenyl-N-chlorophosphoramidate (In German)
K. DREWELIES, V. MÜNCH, J. JANDER †, and H. P. LATSCHA 1389
- Arsenic Bridged Dinuclear $\text{Mn}(\text{CO})_4\text{Br}$ Complexes (In German)
M. BÖRNER, R. MÜLLER, and H. VAHRENKAMP 1391
- Synthesis of Some Diazepinones, Oxazepinones, Pyrimidoquinazolinones and Related Compounds from 1,4-Bis(ethoxycarbonyl)-2,5-diamino-1,4-cyclohexadiene
F. A. AMER, E.-S. AFSAH, M. A. METWALLY, and M. T. EL-ZIMATTY 1395
- Syntheses and Reactions of Enaminosulfonium Salts (In German)
H. BRAUN, A. AMANN, R. BARNERT, and J. FIRL 1398
- Dynamic Behaviour, Conformation and Bonding of Enaminosulfonium Salts (In German)
J. FIRL, H. BRAUN, A. AMANN, and R. BARNERT 1406
- Salts of Ferricinium Cation and its Homologues: NMR Investigation, II. EPR and NMR Spectra of sym-Polymethyl Substituted Ferricinium Cations
R. B. MATERIKOVA, V. N. BABIN, S. P. SOLODOVNIKOV, I. R. LYATFIOV, P. V. PETROVSKY, and E. I. FEDIN 1415
- Synthesis of S-Substituted Benzils and Some Hindered Biphenyls (In German)
R. LÜDERSDORF, J. MAI, and K. PRAEFCKE 1420
- Competition between [3+2] Cycloaddition and 1,3-Addition Reactions. Trapping Reactions of Nitrile Ylides with 1,1-Diphenylethylene (In German)
K. BURGER, H. GOTH, and W.-D. ROTH 1426
- Investigations of Quaternary Pyridinium Salts, XIII. Reaction of Carboxamides with Pseudobases from Pyridine Derivatives (In German)
W.-H. GÜNDEL 1431
- Studies on Vitamin B_{12} and Related Compounds, 51. Direct Syntheses of Alkylcobalamins from Alkanes and Vitamin B_{12r} under “Oxidizing-Reducing” Conditions
A. MAIHUB, H. BI XU, and G. N. SCHRAUZER 1435
- The Chemical Evolution of a Nitrogenase Model, XIX. Simulation of the Enzymatic Reduction of Cyclopropene
G. N. SCHRAUZER, L. A. HUGHES, M. R. PALMER, N. STRAMPACH, and J. W. GRATE 1439

Solubilization and Photoreaction of Thiazine Dyes in Reversed Micelles N. MIYOSHI and G. TOMITA	1444	isomers $C_5H_5Fe(CO)(CH_2OCH_3)P(C_6H_5)_2N(CH_3)R$ with Chiral Fe Atoms (In German) H. BRUNNER and J.-C. LEBLANC	1491
1,2-Dimethoxy-4-isopropoxy-5-vinylbenzene, an Insect <i>anti</i> -Juvenile Hormone Lacking the Chromene Ring G. MATOLCSY, Y. M. DARWISH, I. BÉLAI, L. VARJAS, and A. I. FARAG	1449	Mesylhydroxylamines, IV. Silylated N-Mesylhydroxylamines (In German) G. POHLMANN, K. BRINK, and C. BLIEFERT	1494
Synthesis of <i>cis</i> - and <i>trans</i> -4-Cyanocyclohexanol (In German) K. PRAEFCKE and D. SCHMIDT	1451	Polarographic Behaviour of Some Steroidal Olefins M. WILK and K. SCHMITT	1496
A Comparison of the Effects of Steric Crowding at Phosphorus on the Steric Course of Wittig Reactions of Stabilised and Semistabilised Ylides D. W. ALLEN	1455	Isolation of a New Natural Quinone, 2-Hydroxy-6-methoxy-3,5-dimethyl-1,4-benzoquinone, from the Potato Culture Solution of <i>Phoma wasabiae</i> Yokogi O. SOGA and H. IWAMOTO	1497
Investigations on Naturally Occuring γ - and δ -Lactones, X. Synthesis of Umuravumbolide and Epiumuravumbolide (In German) H. ACHENBACH and J. WITZKE	1459		
Alkaloids in <i>Tabernaemontana</i> -Species, XIII. Ibophyllidine and Ibophyllidine- N_b -oxide, Alkaloids in <i>Tabernaemontana flavicans</i> (In German) H. ACHENBACH and B. RAFFELSBERGER	1465	Contents of Number 12	
Structure-Activity Relationships of Polyfunctional Diterpenes of the Tiglane Type, IV. Derivatives of Tiglane without or with Opened Cyclopropane Ring and their Irritant and Promoting Activity (In German) B. SORG, M. GSCHWENDT, H. W. THIELMANN, and E. HECKER	1470	<i>Original Communications</i>	
Solid Phase Synthesis of Thymopoietin-(32-36) Using Adpoc Amino Acids and its Biological Activity G. RAMPOLD, E. LUNDANES, K. FOLKERS, W. VOELTER, H. KAHLBACHER, and E. BLIZNAKOV	1476	Molecular and Crystal Structure of 1,5-Dichloro-3,7-bis(trifluoromethyl)-4,8-bis(2',6'-dimethylphenyl)-2,6,9-trioxa-4,8-diaza-1,5-diborabicyclo-[3,3,1]nonadiene (In German) W. CLEGG, M. NOLTEMEYER, G. M. SHELDRIK, W. MARINGGELE, and A. MELLER	1499
		Reactions of the Cyclotrisilazane System - Synthesis and Molecular Structure of a 1,3,5,7-Tetraaza-2,4,6,8-tetrasilabicyclo[4,2,0]octane (In German) W. CLEGG, U. KLINGEBIEL, G. M. SHELDRIK, L. SKODA, and N. VATER	1503
		Platinum Blues - a Study of the Interaction between Potassium Tetrachloroplatinate and Asparagine PH. ARRIZABALAGA, P. CASTAN, and J.-P. LAURENT	1508
		The Crystal Structure of NH_4CuS_4 (In German) CH. BURSCHKA	1511
		Chemistry of Polyfunctional Ligands, 60. On Cage Compounds with the Heteroelements Arsenic and Selenium (In German) J. ELLERMANN and M. LIETZ	1514
		Preparation and Crystal Structure of Ca_4Sb_2O (In German) B. EISENMANN, H. LIMARTHA, H. SCHÄFER, and H. A. GRAF	1518
		A New Synthesis and the IR Spectrum of Osmium-pentachloride (In German) K. DEHNICKE and R. LÖSSBERG	1525
		Triazido-trichloro-cyclotriphosphazene ($NPClN_3$) ₃ and a New Synthesis for $[Cl_3PNPCl_3]Cl$ (In German) U. MÜLLER and F. SCHMOCK	1529
		Crystal and Molecular Structure of 1,11-Bis-(tropolone)-3,6,9-trioxaundecane · RbI K. K. CHACKO and W. SAENGER	1533
Notes			
The Conformations of Oxacyclooctanes U. BURKERT	1479		
Preparation and Crystal Structure of $NaAu_3Si$ and $NaAu_3Ge$ (In German) W. DÖRING and H.-U. SCHUSTER	1482		
A New Cycloaddition of a Benzocyclobutadiene with Dienophiles (In German) H. STRAUB and B. MILLER	1484		
1- and 2-Methylallyl Cations from Cation Radicals of Isomeric Vinyl Bromides (In German) H. SCHWARZ and CHR. WESEMIOTIS	1486		
Photoinduced Hydrogentransferreactions of Chlorinated Octahydro-1,4-endo, endo-5,8-dimethanonaphthalene (In German) H. PARLAR and F. KORTE	1488		
Optically Active Transition Metal Complexes, LXX. Preparation of the Optically Active Diastereo-			

Dependence of Chlorine Isotope Separation in Ion Exchange Chromatography on the Nature and Concentration of the Eluent K. G. HEUMANN and K. BAIER	1538	Synthesis of 3 β -Acetoxy-7 _a -aza-B-homo-22 _a -spirost-5(6)-en-7-one A. K. SINGH and D. N. DHAR	1575
²⁹ Si NMR Measurements on Polysilanes. 2. Isotetrasilanes (In German) H. C. MARSMANN, W. RAML, and E. HENGGE	1541	Steady State Radiolysis of Aqueous Aerated Solutions of 5,6-Dihydrothymine. Identification of the Major Degradation Products J. CADET	1579
The Crystal Structure of the 1:1 Complex of Antimony Trichloride and 2,2'-Bipyridine (In German) A. LIPKA and H. WUNDERLICH	1548	4,4,4-Trichloro- Δ^2 -1-butenyl-dichlorophosphate and -dichlorophosphite, two Reagents for the Synthesis of Oligonucleotides (In German) P. SEIDEL and I. UGI	1584
Acetylacetone as a Diene Diol Ligand in 6-Methyl-4-methylen-2-phenyl-4H-1,3,2-dioxarsorine Transition Metal Complexes (In German) J. V. SEYERL, G. HUTNER, and K. KRÜGER	1552	<i>Notes</i>	
Synthesis and Physico-Chemical Properties of Alcoholato Cobalt(II) Chlorides J. V. SINGH, N. C. JAIN, and R. C. MEHROTRA	1555	Preparation and IR Spectrum of OsO ₄ · 2 SbCl ₅ (In German) K. DEHNICKE and R. LÖSSBERG	1587
Derivatives of <i>cis</i> -NPCL ₂ (NSOCl) ₂ and (NPCL ₂) ₂ NSOCl, Part XV. Methyl- and Ethylamino Derivatives of (NPCL ₂) ₂ NSOPh C. CNOSSEN-VOSWIJK, J. C. VAN DE GRAMPPEL, and C. KRUK	1559	Nitrido Bromo Complexes of Tungsten(VI) (In German) P. RUSCHKE and K. DEHNICKE	1589
Studies on Unstabilized π -Sulfuranes: Synthesis of <i>trans</i> -1,2-Disubstituted Epoxides R. S. TEWARI, A. K. AWASTHI, and S. C. CHATURVEDI	1565	Identification of a Doubly Bridging MoS ₄ ²⁻ Ligand between Fe-Centers by the Resonance Raman Effect and a Simple Preparation of [(C ₆ H ₅) ₄ P] ₂ [Cl ₂ FeS ₂ MoS ₂ FeCl ₂] (In German) A. MÜLLER, S. SARKAR, A.-M. DOMMRÖSE, and R. FILGUEIRA	1592
8-Hydroxy-4-methoxymonothioquinaldic Acid - a Further Thioacid from <i>Pseudomonas</i> (In German) W. NEUENHAUS, H. BUDZIKIEWICZ, H. KORTH, and G. PULVERER	1569	New Ternary Gamma-Brass Phases in the Systems Ca-M ^{IB} (IIB)-Hg (In German) M. PUŠELJ and Z. BAN	1594
High Resolution ¹³ C NMR Spectroscopy, VI. Structure Dependence of the ¹³ C,H Coupling Constants in 6,6-Disubstituted Fulvenes (In German) S. BRAUN and U. EICHENAUER	1572	Errata in this Volume	
		To G. Thiele <i>et al.</i> (34b, 1512 (1979))	406