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SIXTH INTERNATIONAL CONFERENCE ON ORGANOMETALLIC CHEMISTRY

From August 13–17, 1973, the Sixth International Conference on Organometallic Chemistry was held in Amherst, Massachusetts (U.S.A.). Professor Marvin D. Rausch served as Chairman of the Conference, and Dr. Sylvia A. Gardner served as Secretary. The Sixth Conference was attended by 525 participants representing 27 countries.

For the information of the readers of the *Journal of Organometallic Chemistry*, the authors, affiliations and titles of the papers presented at the Sixth Conference are listed below. Copies of both the Abstracts of Papers and the Program & Participant List (including complete mailing addresses of all participants) are available for $ 6.00 from Prof. M.D. Rausch, Department of Chemistry, University of Massachusetts, Amherst, Massachusetts 01002 (U.S.A.). Make checks or money orders payable to: Sixth International Conference on Organometallic Chemistry.

PLENARY LECTURES

F.A. Cotton, *Texas A and M University, College Station, Texas (U.S.A.)*, Some Recent Work on Stereochemically Nonrigid Organometal Carbonyl Compounds.

J.G. Noltes, *Institute For Organic Chemistry TNO, Utrecht (The Netherlands)*, Aspects of the Chemistry of Polynuclear Arylcopper and Arylsilver Compounds.

J.P. Collman, *Stanford University, Stanford, California (U.S.A.)*, Disodium Tetracarbonylferrate. A Transition Metal Analog of the Grignard Reagent.

A. Yamamoto, *Tokyo Institute of Technology, Tokyo (Japan)*, The Reactivities and Catalytic Activities of Transition Metal Alkyls and Hydrides.

H. Schmidbaur, *Universität Würzburg, Würzburg (Germany)*, Organometallic Onium Salts and Ylides.

H.D. Kaesz, *University of California at Los Angeles, Los Angeles, California (U.S.A.)*, Aromatic Metalation With Alkyl Derivatives of Transition Metals.

H. Brunner, *Universität Regensburg, Regensburg (Germany)*, Optically Active Organometallic Compounds.

P.L. Timms, *University of Bristol, Bristol (England)*, The Direct Preparation of Organometallic Compounds From Atoms or Small Molecules.

J. Wood, *University of Illinois, Urbana, Illinois (U.S.A.)*, The Biochemical and Environmental Significance of Cobalamin Dependent Methyl Transfer to Metals.

L. Marko, *University of Chemical Industries, Veszprem (Hungary)*, Cobalt and Rhodium Carbonyls in Organic Chemistry.

M.R. Churchill, *University of Illinois at Chicago Circle, Chicago, Illinois (U.S.A.)*, Recent Results From Diffraction Studies on Organo-Transition Metal Complexes.

Yu.A. Ustynyuk, *M.V. Lomonosov State University, Moscow (U.S.S.R.)*, Metallotropism in Metallomonohapto-cyclopentadienyls.

H. Felkin, *Institut de Chimie des Substances Naturelles C.N.R.S., Gif-sur-Yvette (France)*, Some Reactions Involving Nickel Complexes.

CONTRIBUTED PAPERS

C.P. Casey* and T.J. Burkhardt, *Department of Chemistry, University of Wisconsin, Madison, Wisconsin (U.S.A.)*, (Diphenylcarbene)pentacarbonyltungsten(0).

L.J. Todd*, T. Yamamoto, A.R. Garber, J.R. Wilkinson, M.D. Rausch and S.A. Gardner, *Department of Chemistry, Indiana University, Bloomington, Indiana*, and *Department of Chemistry, University of Massachusetts, Amherst, Mass. (U.S.A.)*, NMR Studies of Some Organorhodium Compounds.

W.C. Kaska*, R.F. Reichelderfer and D.K. Mitchell, *Department of Chemistry, University of California, Santa Barbara, Calif. (U.S.A.)*, Transition-Metal Ylide Complexes.

E. Lindner* and H. Berke, *Lehrstuhl für Anorganische Chemie II der Universität Tübingen, Tübingen (Germany)*, Novel Ylide Complexes of Group VI Metals.

S.D. Ittel* and J.A. Ibers, *Department of Chemistry, Northwestern University, Evanston, Ill. (U.S.A.)*, A Comparison of Bonding in Nickel(0) Complexes of Azobenzene and *trans*-Stilbene.

L. Kruczynski, Li Shing Man and J. Takats*, *Department of Chemistry, University of Alberta, Edmonton, Alberta (Canada)*, Binuclear Cycloheptatrienyl Complexes of Transition Metals.

R. Aumann*, *Organisch-Chemisches Institut der Universität; Münster (Germany)*, A Metal Catalyzed 4+2 Cycloaddition of a Vinylcyclopropane Group to a C–C Bond of a Cyclopropane Ring.

M.S. Brookhart* and E.J. Reardon, Jr., *Department of Chemistry, University of North Carolina, Chapel Hill, N.C. (U.S.A.)*, *cis*-4-Cyclononatetraeneiron Tricarbonyl. Its Synthesis, Thermal Rearrangement and Low Temperature Protonation.

E. Samuel*, *Laboratoire de Chimie de Coordination, E.N.S.C.P., 11 Rue P. et M. Curie, Paris 5 (France)*, Alkyl, Aryl and Hydride Compounds of Ti, Zr and Hf Cyclopentadienyls and Indenyls.

J. Tirouflet*, A. Dormond, C. Moïse and J.C. LeBlanc, *Department of Chemistry, University of Dijon, Dijon (France)*, Stereochemical Problems in Titanocenes Series.

R.S. Dickson*, S.H. Johnson and H.P. Kirsch, *Department of Chemistry, Monash University, Clayton, Victoria (Australia)*, Some Comparisons of the Reactions of Alkynes With $(\pi\text{-}C_5H_5)M(CO)_2$ Complexes, M = Co and Rh.

C.H. DePuy*, T. Jones and R.L. Parton, *Department of Chemistry, University of Colorado, Boulder, Colorado (U.S.A.)*, Hydroxy and Aminobutadieneiron Tricarbonyl Complexes.

D.F. Hunt* and J.W. Russell, *Department of Chemistry, University of Virginia, Charlottesville, Virginia (U.S.A.)*, Iron Carbonyl Complexes of Pentalene and Derivatives.

L.M. Rosenbaum, Y. Okaya and R.C. Kerber*, *Department of Chemistry, State University of New York, Stony Brook, N.Y. (U.S.A.)*, Structure of Bis(dimethylpentafulvene)diiron Pentacarbonyl.

K. Takahashi, M. Iwanami, A. Tsai, P.L. Chang, I. Stamos, B.B. Blidner, J.E. McCaskie, L.E. Harris, R. Harlow, C.E. Pfluger and D.C. Dittmer*, *Department of Chemistry, Syracuse University, Syracuse, N.Y. (U.S.A.)*, Iron and Cobalt Complexes of Thiete (Thiacyclobutene).

Y. Becker, A. Eisenstadt* and Y. Shvo, *Department of Chemistry, Tel-Aviv University (Israel)*, Reaction of Transition Metal Carbonyls With Heterocyclic Systems (Diironnonacarbonyl and 1,2-Oxazines).

L.P. Klemann*, M.T. Melchior and A.W. Langer, Jr., *Corporate Research Laboratories and Analytical Division, Esso Research and Engineering Company, Linden, N.J. (U.S.A.)*, Magnetic Resonance Studies of Polytertiary Amine Chelated Organolithium Compounds.

R. Zerger, W. Rhine, A. McPherson, J. Eisch and G.D. Stucky*, *Department of Chemistry, University of Illinois, Urbana, Ill.*, and *Department of Chemistry, State University of New York at Binghamton, Binghamton, N.Y. (U.S.A.)*, Metal–Hydrogen Atom and Metal–Unsaturated Hydrocarbon Interactions in Unsolvated Organolithium and Organoaluminum Compounds.

R.P. Quirk* and D.E. Kester, *Department of Chemistry, University of Arkansas, Fayetteville, Arkansas (U.S.A.)*, Solvation of Alkyllithium Compounds. Heats of Interaction of Lewis Bases With n-Butyllithium and Trimethylsilylmethyllithium.

C.A. Brown*, *Baker Laboratory, Department of Chemistry, Cornell University, Ithaca, N.Y. (U.S.A.)*, Metalations With Potassium: A Rapid Quantitative Route to Strong Bases and Enolate Ions.

C.G. Screttas*, *Laboratories of Organometallic Chemistry and Catalysis, The National Hellenic Research Foundation, Athens (Greece)*, Novel Reaction Pathways of Lithium Alkyls With Aromatic Ketones. One-Electron Reduction of Ketyls and Two-Electron Reduction of Ketones by Lithium Alkyls.

J.G. Smith* and I. Ho, *Department of Chemistry, University of Waterloo, Waterloo, Ontario (Canada)*, Substituent Effects in the Reductive Metalation of Conjugated Schiff Bases.

G. Baffert-Forges*, *Département de Recherche et Analyse, Centre d'Études Nucléaires de Saclay, B.P. No. 2, 91190 Gif-sur-Yvette (France)*, Isotopic Exchange Between Hydrogen and Diphenylmethane Catalyzed by Diphenylmethyl Potassium.

H.W.H.J. Bodewitz, C. Blomberg and F. Bickelhaupt*, *Scheikundig Laboratorium der Vrije Universiteit, De Lairessestraat 174, Amsterdam (The Netherlands)*, Radicals During the Formation of Grignard Reagents.

E.A. Hill* and G. Eng-Mu Shih, *Department of Chemistry, University of Wisconsin-Milwaukee, Milwaukee, Wisconsin (U.S.A.)*, Electronic Effects of Substituents on Grignard Reagent Cyclization.

R.A. Kovar*, *Department of Chemistry, University of Northern Colorado, Greeley, Colorado (U.S.A.)*, Convenient Preparations and Properties of Base Free Propyl and Butylgallium Complexes.

T. Holm*, *Institute of Organic Chemistry, Technical University of Denmark, Lyngby (Denmark)*, Correlation of Carbon–Magnesium Bond Strength and Reactivities of Grignard Reagents.

V.I. Bregadze*, L.M. Golubinskaya, E.V. Bryukhova and O.Yu. Okhlobystin, *Institute of Organo-Element Compounds, Academy of Sciences of USSR, Moscow (U.S.S.R.)*, Nitroalkyl Indium Derivatives.

D.P. Keeton* and A.J. Poë, *Erindale College and Department of Chemistry, University of Toronto, Toronto (Canada)*, Kinetic Behavior of Tris(triphenylphosphine)nonacarbonyltriruthenium.

T.H. Whitesides*, D.L. Lichtenberger and R.A. Budnik, *Department of Chemistry, University of Wisconsin, Madison, Wisconsin (U.S.A.)*, Electronic Structure of Transition Metal π Complexes.

T.A. George* and C.D. Turnipseed, *Department of Chemistry, University of Nebraska, Lincoln, Nebr. (U.S.A.)*, Synthesis and Stereochemical Characterization of Ligand Derivatives of Tricarbonyl-π-Cyclopentadienyltungsten Bonded to Group IV Elements.

H.B. Chin and R. Bau*, *Department of Chemistry, University of Southern California, Los Angeles, Calif. (U.S.A.)*, The Molecular Structure of (1,7-Cyclodecadiyne)$Fe_2(CO)_6$: Implications of the Alkyne Disproportionation Reaction.

M. Poliakoff* and J.J. Turner, *Department of Inorganic Chemistry, The University, Newcastle upon Tyne (England)*, The Photochemistry of Iron Tetracarbonyl.

E. Koerner von Gustorf*, I. Fischler, F.-W. Grevels, D. Schulz and R. Wagner, *Max-Plank-Institut für Kohlenforschung, Abteilung Strahlenchemie, Mülheim a.d. Ruhr (W. Germany)*, Photochemical Synthesis of Novel Organoiron Compounds by Substitution of CO and N_2.

M. Wrighton* and M.A. Schroeder, *Department of Chemistry, Massachusetts Institute of Technology, Cambridge, Mass. (U.S.A.)*, Structure and Reactivity Relationships in Metal Carbonyl Photoassisted Hydrogenation of 1,3-Dienes.

W. Ehrl and H. Vahrenkamp*, *Institut für Anorganische Chemie der Universität, München (Germany)*, Photochemical Synthesis of Metal–Metal Bonds.

G. Platbrood and L. Wilputte-Steinert*, *Department of Physical Organic Chemistry, Free University of Brussels, Brussels (Belgium)*, Kinetics and Mechanism of the Photo-Induced Hydrogenation of Norbornadiene and 2,4-Hexadiene Catalyzed by Chromium Carbonyl Complexes.

L.L. Murrell* and A.A. Oswald, *Esso Research and Engineering Company, Corporate Research Laboratories, Linden, N.J. (U.S.A.)*, Chemistry of Covalent Anchoring of Phosphine Transition Metal Complex Catalysts.

C.U. Pittman, Jr.*, G.O. Evans, R.E. Jones and R.F. Felis, *Department of Chemistry, University of Alabama, University, Alabama (U.S.A.)*, Synthesis and Application of Polymer-Bound Transition Metal Catalysts.

J.E. Sheats* and C.E. Carraher, *Department of Chemistry, Rider College, Trenton, N.J.*, and *Department of Chemistry, University of South Dakota, Vermillion, S.D. (U.S.A.)*, Polymers of Cobalticinium 1,1'-Dicarboxylic Acid Containing Titanium, Zirconium and Silicon.

A.F. Halasa*, M.L. Stayer, G.B. Mitchell and D.P. Tate, *Central Research Laboratories, The Firestone Tire and Rubber Co., Akron, Ohio (U.S.A.)*, Metalation of Unsaturated Polymers and Formation of Graft Copolymers.

Cr. Simionescu, Tatiana Lixandru, J. Tataru and I. Mazilu, *Polytechnic Institute of Jasey, Department of Chemistry, Jassy (Romania)*, Ferrocene Polymers: Polycondensation of *p*-Ferrocenylacetophenone.

Y. Ohgo*, S. Takeuchi, K. Natori and J. Yoshimura, *Laboratory of Chemistry for Natural Products,*

Tokyo Institute of Technology, Meguro-ku, Tokyo (Japan), Catalytic Asymmetric Hydrogenation of Unsaturated Compounds With Cobaloxime-Chiral Amine Complex System. An Oxido-Reductase Model With Enantioselectivity.

B. Steinberger, S. Gershoni and M. Michman*, *Department of Organic Chemistry, The Hebrew University of Jerusalem, Jerusalem (Israel)*, Alkylation of Acetylenes With Transition Metal Reagents.

P.W. Jennings* and D. Pillsbury, *Department of Chemistry, Montana State University, Bozeman, Montana (U.S.A.)*, Organic Reaction Catalysis From Electrochemically Reduced Low-Valent Transition Metals.

B.R. James* and L.D. Markham, *Department of Chemistry, University of British Columbia, Vancouver, British Columbia (Canada)*, Activation of Molecular Hydrogen and Olefins in Solution by Triphenylphosphine Complexes of Bivalent Ruthenium.

D.R. Fahey*, *Research and Development Department, Phillips Petroleum Co., Bartlesville, Oklahoma (U.S.A.)*, Homogeneous Olefin Hydrogenation Catalyzed by Dichlorodicarbonylbis(triphenylphosphine)ruthenium.

A.E. Crease and P. Legzdins*, *Department of Chemistry, The University of British Columbia, Vancouver (Canada)*, Organometallic Grignard-Type Complexes.

K.J. Klabunde* and J.Y.F. Low, *Department of Chemistry, University of North Dakota, Grand Forks, N.D. (U.S.A.)*, The Use of Free Metal Atoms for Synthesis of Nickel(II) and Palladium(II) Organometallics.

E. Koerner von Gustorf*, O. Jaenicke and O. Wolfbeis, *Max-Planck-Institut für Kohlenforschung, Abteilung Strahlenchemie, Mülheim a.d. Ruhr (Germany)*, Chemical Syntheses With Metal Atoms: Preparation of Iron and Chromium Complexes.

J.L. Peterson* and L.F. Dahl, *Department of Chemistry, University of Wisconsin, Madison, Wisconsin (U.S.A.)*, Single-Crystal EPR, MO Calculations and PES of $M(\pi\text{-}C_5H_5)_2L_2$ Complexes, Where M = Ti and V: The Spatial Distribution of the Unpaired Electron in the d^1 V^{IV} Species.

Trinh-Toan, R. Broach and L.F. Dahl*, *Department of Chemistry, University of Saigon, Saigon (Vietnam)* and *Department of Chemistry, University of Wisconsin, Madison, Wisconsin (U.S.A.)*, Systematics of Bonding and Stereochemistry of Cubane-Like Organometallic Cluster Complexes.

L.S. Hegedus*, E.L. Waterman and S.D. Wagner, *Department of Chemistry, Colorado State University, Fort Collins, Colorado (U.S.A.)*, Reactions of π-Allylmetal Complexes With Organic Carbonyl Compounds. Novel Allyl Transfer Reactions.

R.B. King* and M.N. Ackerman, *Department of Chemistry, University of Georgia, Athens, Georgia (U.S.A.)*, Hydrotetracarbonylmanganese Trimer as a Precursor to Novel Olefinic Manganese Carbonyl Derivatives.

G.G. Arzoumanidis* and F.C. Rauch, *American Cyanamid Co., Stamford, Conn.*, and *Stauffer Chemical Co., Eastern Research Center, Dobbs Ferry, N.Y. (U.S.A.)*, Aromatic Intermediates With a Pd–Pd Bond. The Reaction of Palladium(II) Trifluoroacetate With Benzene at Ambient Temperature.

L.J. Guggenberger*, *Central Research Department, E.I. du Pont de Nemours & Co., Wilmington, Delaware (U.S.A.)*, Structures of Groups IV and V Bis(cyclopentadienyl)–Transition Metal Complexes. Formation of Hydridoalkylaluminum Complexes.

R. Pettit*, W. Slegeir and R. Case, *Department of Chemistry, University of Texas, Austin, Texas (U.S.A.)*, The Concerted Disrotatory Ring Opening Reactions of Cyclobutene–Iron Carbonyl Complexes to Butadiene Iron Carbonyl Complexes.

S.P. Gubin*, V.D. Tyurin and A.I. Nekhaev, *Institute of Organo-Element Compounds, Academy of Sciences of USSR, Moscow (U.S.S.R.)*, Some Studies on Dieneiron Tricarbonyl Complexes.

M.A. Bennett*, R.N. Johnson and I.B. Tomkins, *Research School of Chemistry, Australian National University, Canberra (Australia)*, The Coupling and Dehydrogenation of Olefinic Ligands in Ruthenium and Rhodium Complexes.

K.W. Barnett* and L.A. Kaempfe, *Department of Chemistry, University of Missouri–St. Louis, St. Louis, Missouri (U.S.A.)*, Ligand-Transfer Reactions of Nickelocene With 1,2-Bis(diphenylphosphino)ethane–Nickel(II) Complexes.

A. Salzer* and H. Werner, *Anorganisch-Chemisches Institut der Universität Zürich, Zürich (Switzerland)*, Triple-Decker Sandwich Compounds.

C. Krüger*, B.L. Barnett, D.J. Brauer and Y.-H. Tsay, *Max-Planck-Institut für Kohlenforschung, Mülheim a.d. Ruhr (Germany)*, Comparative Investigations of Structural Properties of Novel Olefin Nickel Complexes.

J. Schwartz*, D.W. Hart and J.L. Holden, *Department of Chemistry, Princeton University, Princeton, N.J. (U.S.A.)*, Stereospecific Synthesis of Trisubstituted Olefins From Disubstituted Acetylenes Via Reductive Elimination From Rhodium(III) Intermediates.

S. Otsuka* and K. Ataka, *Department of Chemistry, Faculty of Engineering Science, Osaka University, Toyonaka, Osaka (Japan)*, Studies on Oxidative Addition Reactions of Alkyl Halides to Low-Valent Metal Complexes. Evidence For Non-Concerted Mechanism.

L.H. Sheperd, Jr.* and G.J. Brendel, *Research and Development Dept., Ethyl Corporation, Baton Rouge, Louisiana (U.S.A.)*, Allylic Aluminum Compounds From Aluminum Metal and Conjugated Dienes: Synthesis and Reactions.

O.T. Beachley, Jr. and K.C. Racette*, *Department of Chemistry, State University of New York at Buffalo, Buffalo, N.Y. (U.S.A.)*, The Chelate Effect in Organoaluminum–Nitrogen Chemistry.

S.H. Eidt*, L.W. Fannin and S.C. Watson, *Technical Department, Texas Alkyls, Inc., Deer Park, Texas (U.S.A.)*, Synthesis and Properties of Bridged Ethylene Chloro-Aluminum Alkyls.

E.C. Ashby*, J. Laemmle and P. Roling, *School of Chemistry, Georgia Institute of Technology, Atlanta, Georgia (U.S.A.)*, Mechanism and Stereochemistry of Organoaluminum and Organomagnesium Addition to Ketones. A New Concept of Stereochemical Control.

J.R. Blackborow*, *Department of Chemistry, The University of Newcastle upon Tyne, Newcastle (England)*, Haloboration of Ethynes.

J.D. Odom*, J.R. Durig, P.D. Ellis and L.W. Wall, *Department of Chemistry, University of South Carolina, Columbia, S.C. (U.S.A.)*, Studies of Vinylboranes.

D.S. Matteson*, L.A. Hagelee and R.J. Wilcsek, *Department of Chemistry, Washington State University, Pullman, Washington (U.S.A.)*, Isolation of a Triborylmethide Salt.

D.F. Gaines* and J.A. Ulman, *Department of Chemistry, University of Wisconsin, Madison, Wis. (U.S.A.)*, New Penta- and Hexaboranyl Silanes.

A. Suzuki, N. Miyaura, S. Abiko, M. Itoh, H.C. Brown, J.A. Sinclair and M.M. Midland*, *Department of Chemical Process Engineering, Hokkaido University, Sapporo (Japan)* and *The Richard B. Wetherill Laboratory, Purdue University, West Lafayette, Indiana (U.S.A.)*, A Convenient and General Synthesis of Acetylenes Via the Reaction of Iodine With Lithium 1-Alkynyltriorganoborates.

D. Devaprabhakara* and I. Mehrotra, *Department of Chemistry, Indian Institute of Technology, Kanpur, Uttar Pradesh (India)*, A Novel Reaction of *vic*-Organoboranes With Chromium Trioxide.

J.J. Eisch* and R.J. Wilcsek, *Department of Chemistry, The State University of New York at Binghamton, Binghamton, N.Y. (U.S.A.)*, Mechanistic and Synthetic Studies of 1,2-Shifts in Arylboranes.

G.D. Mercer and F.R. Scholer*, *Department of Chemistry, Cornell University, Ithaca, New York (U.S.A.)*, Preparation and Chemistry of Mono(*B*-hydroxy)-1,8-dimethyl-*cioso*-dicarbaundecaborane(11).

J.R. Spielman*, J.K. Allen, D. Bergquist, H. Byron and J.E. Scott, *Department of Chemistry, California State University, Los Angeles, Calif. (U.S.A.)*, Photochemistry of 2,3-Dicarba-*nido*-hexaborane(8) Derivatives.

J.L. Spencer* and F.G.A. Stone, *Department of Inorganic Chemistry, University of Bristol, Bristol (England)*. Polyhedral Expansion Reactions and New Syntheses of Metallocarboranes.

K. Wade*, *Department of Chemistry, University of Durham, Durham (England)*, Metal–Hydrocarbon π-Complexes as Carborane-Type Clusters: Some Correlations and Implications.

A.A. Sayler and H. Beall*, *Department of Chemistry, Worcester Polytechnic Institute, Worcester, Mass. (U.S.A.)*, The Structure of a Chelated *O*-Carborane Nickel Complex.

J.D. Jamerson, A.P. Masino and J. Takats*, *Department of Chemistry, University of Alberta, Edmonton, Alberta (Canada)*, Mixed Sandwich Complexes of the Lanthanide Metals.

T.J. Marks*, J.R. Kolb, A.M. Seyam and W.A. Wachter, *Department of Chemistry, Northwestern University, Evanston, Illinois (U.S.A.)*, The Chemical and Electronic Nature of Actinide-to-Carbon σ Bonds.

J.L. Atwood*, C.F. Hains, M. Tsutsui and A.E. Gebala, *Department of Chemistry, University of Alabama, University, Alabama (U.S.A.)*, and *Department of Chemistry, Texas A and M University,*

College Station, Texas (U.S.A.), Structural Studies of the Uranium–Carbon σ Bond in Tricyclopentadienylphenylethynyluranium and Related Compounds.

A. Efraty*, R. Bystrejm, S.S. Sandhu, M.H.A. Huang, J.A. Geaman and R.H. Herber, *School of Chemistry, Rutgers University, New Brunswick, N.J. (U.S.A.)*, Cyclobutadieneiron Nitrosyl Derivatives.

M. Herberhold*, K. Leonhard, W. Golla and H. Alt, *Anorganisch-Chemisches Laboratorium der Technischen Universität München, Munich (Germany)*, New Chromium Carbonyl Complexes Containing Azo Ligands.

W.H. Baddley* and G.B. Tupper, *Coates Chemical Laboratory, The Louisiana State University, Baton Rouge, Louisiana (U.S.A.)*, Alkenyl Complexes of Iridium: Preparation and Catalytic Studies.

M. Findlay and J.C.W. Chien*, *Department of Chemistry, University of Massachusetts, Amherst, Mass. (U.S.A.)*, Electron Paramagnetic Resonance Spectra of Tetrakis(norbornyl) chromium and Vanadium.

J.A. McGinnety*, *Sterling Chemistry Laboratory, Yale University, New Haven, Conn. (U.S.A.)*, Structure and Bonding in a Substituted Cyclopropane Complex of Platinum.

R.A. Schunn*, *Central Research Department, E.I. du Pont de Nemours & Co., Inc., Experimental Station, Wilmington, Delaware (U.S.A.)*, Triethylphosphine Complexes of Zero-Valent Nickel, Palladium and Platinum.

J.T. Mague* and E.H. Gause, *Department of Chemistry, Tulane University, New Orleans, Louisiana (U.S.A.)*, The Reactions of Hexafluoro-2-butyne With Some Tertiary Arsine Complexes of Rhodium(I).

A. Wojcicki* and T.G. Attig, *Department of Chemistry, The Ohio State University, Columbus, Ohio (U.S.A.)*, The Stereochemistry at the Iron Atom During Reactions Involving Iron–Carbon σ Bonds.

J. Halpern* and T.A. Weil, *Department of Chemistry, The University of Chicago, Chicago, Illinois (U.S.A.)*, Substitution Reactions of Acetylene and Related Complexes of Platinum(0).

M.H. Chisholm* and D.A. Couch, *Department of Chemistry, Princeton University, Princeton, N.J. (U.S.A.)*, Some Organic Reactions of Platinum Acetylenes.

M. Tsutsui* and J. Hillis, *Department of Chemistry, Texas A and M University, College Station, Texas (U.S.A.)*, π-Vinyl Alcohol Complexes of Platinum(II).

H.C. Clark*, L.E. Manzer and T. Yasufuku, *Department of Chemistry, University of Western Ontario, London, Ontario (Canada)*, Acetylene Complexes of Methylplatinum(II) Hydrotris(1-pyrazolyl)-borate.

C.R. Bennett and D.C. Bradley*, *Department of Chemistry, Queen Mary College, Mile End Road, London (England)*, A Novel Bis-π-cyclopentadienyltitanium-*dihapto*-Silazane Complex.

R.J. Angelici*, B.D. Dombek and E. Dobrzynski, *Department of Chemistry, Iowa State University, Ames, Iowa (U.S.A.)*, Thiocarbonyl Complexes of Transition Metals.

J.S. Miller, A. Sattelberger and K.G. Caulton*, *Department of Chemistry, Indiana University, Bloomington, Indiana (U.S.A.)*, Nitrosyl and Carbonyl Transfer Reactions.

W.R. Cullen* and L. Mihichuk, *Chemistry Department, University of British Columbia, Vancouver, B.C. (Canada)*, Steric Interactions in Arsenido-Bridged Iron Carbonyls.

F.G.A. Stone*, A. Brookes, S.A.R. Knox and V. Riera, *Department of Inorganic Chemistry, The University, Bristol (England)*, Organosilicon- and Organogermanium-Ruthenium Carbonyls as Reagents For the Synthesis of New Fluxional π-Complexes.

G. Deganello* and U. Croatto, *Centro Metallorganici C.N.R., Facolta Chimica Industriale, The University, Venezia (Italy)*, and *Istituto Chimica Generale, The University, Padova (Italy)*, Some Rearrangements of [(Polyolefin)$Fe_2(CO)_6$] Derivatives.

W.K. Dean* and W.A.G. Graham, *Department of Chemistry, University of Alberta, Edmonton, Alberta (Canada)*, Carbene Derivatives of Molybdenum and Tungsten Containing Metal-Metal Bonds.

J.M. Burlitch*, S.W. Ulmer, J.J. Stezowski, R.C. Winterton, R. Eiss and R.E. Hughes, *Department of Chemistry, Cornell University, Ithaca, N.Y. (U.S.A.)*, A Facile Coordination Transformation of $Mg(THF)_6[Co(CO)_4]_2$ in the Solid State.

E.W. Abel*, C.A. Burton and R. Rowley, *Department of Chemistry, University of Exeter, Exeter (England)*, Transition Metal Complexes of Various Organo-Nitrogen Ligands Via Organotin and Organosilicon Intermediates.

G.R. Dobson* and M.N. Memering, *Department of Chemistry, North Texas State University, Denton,*

Texas (U.S.A.), Kinetics and Mechanism of Reactions of the Group VIB Metal Carbonyls With Tetraalkylammonium Halides.

M.Y. Darensbourg* and H.L. Conder, *Department of Chemistry, Tulane University, New Orleans, Louisiana (U.S.A.)*, Electronic and Steric Control of Reactions of Benzylmagnesium Chloride With Substituted Metal Carbonyls.

G. Bor* and G. Sbrignadello, *Laboratory of the Chemistry and Technology of Radioelements of the C.N.R.*, and *Institute of General Chemistry, University of Padova, Padova (Italy)*, Comparative IR Spectroscopic Studies on Dinuclear Technetium Carbonyls: $Tc_2(CO)_{10}$ and $CoTc(CO)_9$.

R.R. Schrock* and J. Lewis, *Experimental Station, E.I. du Pont de Nemours & Co., Wilmington, Delaware (U.S.A.)*, and *University Chemical Laboratory, Cambridge University, Cambridge (England)*, The Preparation of Ru^0 and Os^0 Cyclooctatetraene Complexes.

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