

OMCOS 1

**Fort Collins
1981**

OMCOS 1, Fort Collins, August 2-6, 1981

The concept for OMCOS was developed by John Stille and G. Modena at a conference on the interface of homogeneous and supported catalysis, in Lyon France in 1979. After approval by the IUPAC, the first OMCOS was held at Colorado State University in Fort Collins Colorado in August, 1981. Because I had been reviewing the use of organometallics in synthesis since 1974, I was assigned to be "secretary" and to pick the program of speakers. I agreed on two conditions; (1) The next OMCOS would be held in an interesting place; (2) I would be invited to speak. That was agreed upon (OMCOS 2 was in Dijon France), and I set about getting the program together. I tried to get a cross section of scientists that highlighted to diversity of the area. Because it was fairly early in the development of organometallics in synthesis, it was not clear at the time what science would become mainstream and what would ultimately be regarded as the "lunatic fringe" of the area. A consideration of the program indicates that most of the speakers fell in the first category.

As I recall, all of the invited speakers accepted their invitations. I enlisted my students to pick up the speakers at the Denver airport and drive them to Fort Collins. Except for the fact that the car carrying professor Noy-

ori burst into flames (which were quickly extinguished with no harm done) that aspect of the meeting was uneventful. The airlines lost the luggage of Dr. Mimoun, and bought him a new outfit, which he says he still has.

The turnout for the meeting exceeded expectations, and a last minute shuffling of lecture rooms was necessary to accommodate the overflow. Things went relatively smoothly until the last day of the conference, when everybody was supposed to catch their flights back home. On that day, then President Reagan fired ALL of the air traffic controllers, and air travel was severely compromised for a couple of days. Ultimately everybody got home, but it was certainly stressful trying to sort out all of the myriad of travel problems.

Some highpoints of the meeting were Professor Heimbach cornering everybody he could and preaching the principles of "metalology", Professor Noyori introducing Professor Ban as the "grand champion", and Professor Tsuji decamping to the couch after every dinner for a nap.

Both the area and the OMCOS meetings have succeeded beyond belief. I am thrilled to have been involved in the initial meeting, and to have attended many subsequent ones. Lou Hegedus, Fort Collins Colorado, 2011.

those planning to use this type of equipment must provide their own.

Meals will not be included as a part of the conference offering. Meals will be available at the Student Center dining halls on an individual basis. In addition, there are many good restaurants nearby the campus. A list of these restaurants will be provided at registration.

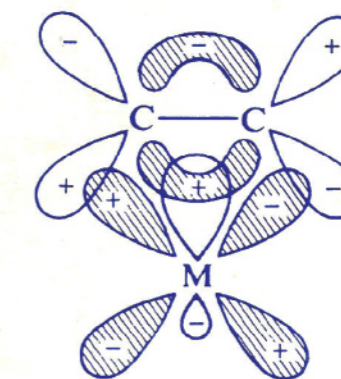
Persons who do not wish to reside on campus must reserve alternate accommodations in Fort Collins hotels/motels well in advance of the Symposium date. Summer in Fort Collins is a busy tourist season. A list of accommodations in Fort Collins will be forwarded on request.

TRIP TO ROCKY MOUNTAIN NATIONAL PARK

If there is sufficient interest, a bus trip to Rocky Mountain National Park will be arranged on Tuesday afternoon, August 4.

FIRST IUPAC SYMPOSIUM ON ORGANOMETALLIC CHEMISTRY DIRECTED TOWARD ORGANIC SYNTHESIS

August 2-6, 1981
Fort Collins, Colorado
U.S.A.



Organizing Committee:

J.K. Stille, Chairman
L.S. Hegedus, Secretary
M.C. Baird
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G. Parshall

SECOND CIRCULAR

FIRST IUPAC SYMPOSIUM ON ORGANOMETALLIC
CHEMISTRY DIRECTED TOWARD ORGANIC
SYNTHESIS

August 2-6, 1981

Colorado State University
Fort Collins, Colorado U.S.A.

PRELIMINARY PROGRAM

SUNDAY, AUGUST 2

13:00-20:00 Registration, Chemistry
Building
20:00-23:00 Symposium Reception

MONDAY, AUGUST 3

SESSION 1 — Andrew G. Clark Bldg., Room A101

08:00 Registration
08:15-08:30 Opening Remarks (J.K. Stille)
08:30-09:45 G. Posner, "Organometallic
Reagents in Asymmetric Synthesis
of Natural Products"
09:45-10:15 M. Kumada, "Chiral Ferrocenyl-
phosphines and β -(N, N-dimethyl)
alkylphosphines as Highly Efficient
Ligands for Some Transition
Metal Catalyzed Asymmetric
Synthesis"
10:15-10:45 Refreshment Break
10:45-12:00 R. Noyori, "Asymmetric Synthesis
via Axially Dissymmetric Mole-
cules"

SESSION 2 — Andrew G. Clark Bldg., Room A101

13:30-14:45 R. F. Heck, "Palladium Catalyzed
Organic Syntheses with Vinyllic
Halides and Olefins"
14:45-15:15 G. D. Daves, Jr., "Palladium Cat-
alyzed Reactions of Enol Ethers"
15:15-15:45 Y. Ban, "The Synthesis of Hetero-
cycles with Organometallic Com-
pounds"
15:45-16:15 B. Waegell, "Organopalladation of
Olefins; Mechanistic Aspects and
Synthetic Applications"

POSTER SESSION A — 16:30-18:00 — Chemistry
Building

TUESDAY, AUGUST 4

SESSION 3 — Andrew G. Clark Bldg., Room A101

08:30-09:45 J. Tsuji, "Palladium Catalysis in
Natural Product Synthesis"
09:45-10:15 R. Larock, "Synthesis of Biologi-
cally Active Compounds via Or-
ganopalladium Intermediates"
10:15-10:45 Refreshment Break
10:45-12:00 E. -I. Negishi, "Bimetallic Catalytic
Systems Containing Ti, Zr, Ni, and
Pd. Their Applications to Selective
Organic Syntheses"

FREE AFTERNOON — Social Program

SESSION 4 — Andrew G. Clark Bldg., Room A101

20:00-21:15 M.F. Semmelhack, "Applications of
Arene-Metal Complexes in Organic
Synthesis"
21:15-21:45 A.J. Pearson, "Alkaloids, Steroids
and Terpenoids via Tricarbonylcy-
clohexadienyliron Complexes"
21:45-22:15 J.P. Kutney, "Chromium Carbonyl
Complexes of Unstable Dihydro-
pyridines"

WEDNESDAY, AUGUST 5

SESSION 5 — Andrew G. Clark Bldg., Room A101

08:30-09:45 H. Mimoun, "Activation of Molecu-
lar Oxygen and Selective Oxidations
of Olefins Catalyzed by Group VIII
Transition Metal Complexes"
09:45-10:15 E.D. Mihelich, "Vanadium Cata-
lyzed Asymmetric Oxidations of
Acyclic Homoallylic Alcohols"
10:15-10:45 Refreshment Break
10:45-12:00 P. Heimbach, "Multifold Control in
Transition Metal Catalyzed Organic
Syntheses"

SESSION 6 — Andrew G. Clark Bldg., Room A101

13:30-14:45 M. Pereyre, "Organotin Chemistry
for Synthesis Applications"

14:45-15:15 G.P. Chiusoli, "Group VIII Metal-
Promoted C-C Bond Formation"
15:15-15:45 H. des Abbayes, "Catalytic Phase
Transfer Carbonylation with the
Cobalt Carbonyl Anion: Synthetic
Examples and Mechanistic Studies"
15:45-16:15 J. F. Knifton, "Vicinal Glycol Esters
from Syngas"

POSTER SESSION B — 16:30-18:00 — Chemistry
Building

THURSDAY, AUGUST 6

SESSION 7 — Andrew G. Clark Bldg., Room A101

08:30-09:45 a.m. B.M. Trost, "Transition Metals and
Selectivity in Organic Synthesis"
09:45-10:15 M. Rosenblum, "Uses of Enol Ether-
Iron Complexes as Vinyl Cation
Equivalents in Syntheses"
10:15-10:45 Refreshment Break
10:45-11:15 K. Nicholas, "Transition Metal Sta-
bilized Carbocations as Synthetic
Intermediates"
11:15-11:45 S. -I. Murahashi, "Organic Synthe-
sis by Metal Catalyzed Oxidation of
Olefins and Amines"

The Main Lectures will be published in *Pure and Applied
Chemistry* by Pergamon Press. Abstracts of the Main
Lectures and the Contributed Papers will be distributed
to registered participants at the Symposium.

POSTER SESSION

Poster sessions will be organized to permit the presenta-
tion of the large number of contributed papers. **Those
participants who wish to present a poster must submit an
abstract to the organizing committee secretary by the
registration deadline of May 1, 1981.** Notification of
acceptance of the contribution will be made before June
15. The poster size at the Symposium will be a 4 ft. by 4 ft.
area. Contributors must supply all materials for their
poster and be present during the time allotted for their
presentation.

Any inquiries concerning the poster session or the
program should be addressed to:
Professor L.S. Hegedus, Secretary
First IUPAC Symposium, OC-OS
Department of Chemistry
Colorado State University
Fort Collins, Colorado 80523



des Abbayes, Pereyre, Stille, VogelHegedus, Waegell, Heimbach, Schlosser-the females are Waegell family



Williams, Nicholas, Knifton, Rosenblum, ?, Doyles-Davies, Posner, Hegedus, Alper, Stille, Larock, Heck, Semmelhack, Norton, ?, Bill Cook(CSU dean)



Noyori, Tsuji, Stille, Meyers, Negishi, Murahashi