33rd NATIONAL ORGANIC CHEMISTRY SYMPOSIUM
June 13–17, 1993

Division of Organic Chemistry, American Chemical Society
Amos B. Smith, III, Symposium Executive Officer

The 33rd National Organic Chemistry Symposium of the American Chemical Society will be held June 13–17, 1993 at the Montana State University, Bozeman, Montana. The purpose of the Symposium is to demonstrate the vitality and diversity of the field of organic chemistry through presentations of outstanding research at the forefront of the discipline. The program features the Roger Adams Award Address by E. J. Corey and lectures by ten other speakers. Also there will be two sessions for contributed posters. A book of Abstracts of the talks and the posters will be given to all registrants at the meeting. (This Abstract book may be obtained afterwards by sending $15.00 plus a self-addressed 10" × 13" envelope to William R. Roush, Secretary–Treasurer, ACS Division of Organic Chemistry, Department of Chemistry, Indiana University, Bloomington, IN 47405.)

Meals and air-conditioned dormitory rooms will be available on the campus at a reasonable cost. On Wednesday evening, there will be an outdoor Bar-B-Que followed by the College National Rodeo Championships. Special tours and various cultural, athletic and outdoor activities will be available during the afternoons.

Pre-registration is required. Prior to May 15, the registration fees are: $145 for members of the ACS Organic Division, $155 for other ACS members, $170 for non-members of the ACS, $50 for postdoctoral fellows, $25 for students, and $25 for guests accompanying a registrant. After May 15, each of the preceding registration fees will be increased by $20. The one-day registration fee is $60.

To obtain a detailed brochure, registration forms, poster abstract forms, and other general information, please contact: Organic Chemistry Symposium, Conference Services, Strand Union Room 280F, Montana State University, Bozeman, MT 59717-0402; (406) 994-3333; FAX (406) 994-5488.

Sunday, June 13

8:30 pm	Opening Mixer and Poster Session A

Monday, June 14

8:30 am	Opening Remarks
9:00 am	**Larry E. Overman,** *New Stereocontrolled Methods for Ring Construction*
10:45 am	**James D. White,** *Progress in the Synthesis of Macrolide Antibiotics: A Route to Rutamycin*
7:30 pm	**Andrew G. Myers,** *Mechanistic and Synthetic Studies of the Enediyne Antibiotics*
8:45 pm	**Yoshito Kishi,** *Natural Product Chemistry: Palytoxin*
10:00 pm	Mixer and Poster Session A *continued*

Tuesday, June 15

9:00 am	**Louis S. Hegedus,** *Synthesis of Amino Acids and Peptides Using Photolytic Reactions of Chromium Carbene Complexes*
10:45 am	**Cynthia J. Burrows,** *Oxidation of Hydrocarbons and DNA using Nickel Catalysts*
7:30 pm	**Elias J. Corey,** ***Roger Adams Award Address**: Studies on Enantioselective Synthesis*
9:00 pm	Mixer and Poster Session B

Wednesday, June 16

8:30 am	**Donald A. Tomalia,** *Starburst™/Cascade Dendrimers: Fundamental Building Blocks for a New Nanoscopic Chemistry Set*
10:30 am	**Fred Wudl,** *Synthesis and Determination of Exotic Properties of the Fulleroids: Periconjugation and Quasi Shift Reagent Effects*
11:45 am	**Jean-Marie Lehn,** *From Molecular Recognition towards Self Organization*
5:30 pm	Western Bar-B-Que
8:00 pm	College National Rodeo Finals
10:00 pm	Mixer and Poster Session B *continued*

Thursday, June 17

9:00 am	**Christopher T. Walsh,** *Molecular Basis of Resistance to the Vancomycin Group of Antibiotics*
10:45 am	**Stuart L. Schreiber,** *Molecular Investigations of Signal Transduction*
12:00 pm	Closing Remarks

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Other papers in the subject areas covered by *J. Chem. Soc.* are published in synopsis/microform format in *J. Chem. Research*. For the benefit of readers of *J. Chem. Soc.*, the contents list of *J. Chem. Research (S)*, Issue 2, is reproduced below.

47 (*M* 0262) Synthesis of the Enantiomers of the Hypolipidaemic Agent 2-[4-(2,2-Dichlorocyclopropyl)phenoxy]-2-methylpropanoic Acid (Ciprofibrate) **Matthew P. Baxter, Glynis Carr, George J. Ellames, John M. Herbert, George A. Mansour, Muhammed A. Nazir, Manohar T. Saindane, David I. Smith** and **Petar R. Vojvodic**

48 (*M* 0201) The Inhibition of Thermolysin by Schiff Base Derivatives of α-*N*-Thiocarbazoyl-L-phenylalanine Methyl Ester **Stephen R. E. Bates, David J. S. Guthrie** and **Donald T. Elmore**

50 (*M* 0214) Crystal Structures of 3-Hydroxy-2-ethyl-1-methyl-, 3-Hydroxy-1,2-diethyl- and 3-Hydroxy-2-ethyl-1-hexyl-pyridin-4(1*H*)-ones **John Burgess, John Fawcett, Marttand S. Patel** and **David R. Russell**

52 (*M* 0247) Ultraviolet Irradiation of 3-Substituted 2-Aroylquinoxalines; Photocyclisation to Indolo[1,2-*a*]quinoxalines or Related Heterocyclic Systems **Adnan Atfah, Muhammed Y. Abu-Shuheil, John Hill** and **Hema Kotecha**

54 (*M* 0301) Application of Correlation Analysis to the Study of Acid–Base Equilibrium Constants for Amphiprotic Organic Systems: N^2-Hydroxyphenyl-N^1,N^1-dimethylformamidines **Ewa D. Raczyńska** and **Tadeusz Drapała**

56 (*M* 0317) Kinetics and Mechanism of the Reactions of Anilines and Secondary Alicyclic Amines with 2,4-Dinitrophenyl Methyl Carbonate **Enrique A. Castro, Fernando Ibáñez, Ana M. Saitúa** and **José G. Santos**

58 (*M* 0328) A General Synthetic Route to Fused Furans. Total Synthesis of (+)-Pallescensin A **Kozo Shishido, Koji Umimoto, Mikiko Ouchi, Osamu Irie, Tomoki Omodani, Takeshi Takata** and **Masayuki Shibuya**

60 (*M* 0417) Chiral Sulfoxides. Synthesis and Characterization of all the Diastereoisomers of (2*R*)-1-Ethylsulfinyl-1-ethylthio-2,3-dihydroxypropane and Derivatives **Juan A. López Sastre, José D. Martín-Ramos, Ana B. Martínez-Aragón, José Molina Molina, Justo Rodríguez Amo** and **Xavier Solans**

62 (*M* 0458) Synthesis of α-Methylene-γ-lactones fused to a Perhydroazulene Carbon Framework through Intramolecular Cyclization of Allylsilanes **Chiaki Kuroda, Seiichi Inoue, Seiichi Kato** and **James Y. Satoh**

64 (*M* 0376) The Ternary System H_2O–Na_2HPO_4–K_2HPO_4: −10, −5 and −0.1 °C Isotherms **Jean-Jacques Counioux, Azaïez Hammami** and **Richard Tenu**

66 (*M* 0472) Synthesis of Pyrimidines from Isoxazole Derivatives **Ricardo Bossio, Stefano Marcaccini, Paola Paoli, Giulia Pellegrini, Roberto Pepino** and **Tomás Torroba**

68 (*M* 0501) Preparation of α-Hydroxy-γ-lactones and their Application in the Synthesis of α,β-Butenolides, α-Alkylidene-γ-lactones and Furans **A. Heber Muñoz, Joaquin Tamariz, Rogelio Jiminez** and **Gustavo Garcia de la Mora**

70 (*M* 0523) The Synthesis and Ring-opening Reactions of Some Hydroxylactones **Mary S. Carson, Wesley Cocker** and **Patrick V. R. Shannon**

72 (*M* 0548) Synthesis and Chemistry of Some Thieno[3,2-*d*]-1,2,3-triazin-4(3*H*)-ones **Patrick R. Huddleston, John M. Barker, Yolante Z. Adamczewska, Michael L. Wood** and (in part) **David Holmes**

74 (*M* 0576) Bufadienolide Glycosides with 2,4-Doubly-linked Tetrahydropyran Moieties. X-Ray Crystal Structure and Conformation of Tyledoside A **Jan L. M. Dillen, Fanie R. van Heerden, Petrus H. van Rooyen** and **Robert Vleggaar**

76 (—) Reactions with Trifluoro-*N*-(4-nitrophenyl)acetohydrazonoyl Bromide: A New Route for the Synthesis of Fluorinated Polyfunctionally Substituted Pyrazoles, Thiadiazoles, Selenadiazoles and a Pyrrolo[3,4-*d*]pyrazole **Hussein F. Zohdi, Hussein Y. Afeefy** and **Abdou O. Abdelhamid**

78 (—) New Routes to Substituted 2,5-Dihydro-1,2,3-triazines from Thermolytic Rearrangement and Ring Expansion of Pyrrolo[2,3-*d*]-1,2,3-triazoles **Richard N. Butler, David M. Colleran, Fiona A. Lysaght** and **Donal F. O'Shea**

80 (—) 1,3-Dipolar Cycloaddition Reactions of Benzonitrilium *N*-Phenylimide with 3-Arylmethylene-5-phenylfuran-2(3*H*)-ones **Ahmad S. Shawali, Ahmad M. Farag, Mohamed S. Algharib** and **Hassan A. Albar**

82 (—) Kinetics of Protiodeacylation of Benzoylmesitylenes with Substituents in the Benzoyl Leaving Group **Ja'far Al-ka'bi, Peter H. Gore** and **Baljit Singh Moonga**

84 (—) Electron Paramagnetic Resonance of Gamma Irradiation Damage Centres in Ethylenediaminetetraacetic and Diethylenediaminepentaacetic Acids **Fevzi Köksal** and **Şemsettin Osmanoğlu**

86 (*M* 0401) Platinum(II) Complexes of a Series of Salicylaldimines (and Related Amines) bearing Organotin Substituents **Salem S. Al-Diab**

N.B. The numbers in parentheses, prefaced by *M*, indicate the first frame occupied by the *full-text version* of the paper in *J. Chem. Research (M)*. Where no such number is given, the paper as published in *J. Chem. Research (S)* is complete in itself, and there is no extra material in Part *M*.