

**EIGHTH
NATURAL PRODUCTS SYMPOSIUM**

Mona, Jamaica

January 7th to 11th

1980



SCIENTIFIC PROGRAMME

and

ABSTRACTS OF PAPERS

Department of Chemistry
UNIVERSITY OF THE WEST INDIES

ORGANISING COMMITTEE

K.E. Magnus (Chairman, Head of Department)

V.G.S. Box

B.A. Burke

R.M. Monteil

K.O. Pascoe

E.V. Roberts

ACKNOWLEDGEMENT

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The Committee is also very grateful to Shell Co. (West Indies) Ltd.

SCIENTIFIC PROGRAMME

MONDAY, JANUARY 7th

Morning

- 8.30- 9.00 Completion of Registration.
- 9.00- 9.30 Opening Address:
Dr. A.W. Sangster,
Principal, College of Arts, Science
and Technology.
- 9.45-10.45 Main Lecture
A.I. Scott - A Non-Invasive View of Life
in the NMR Tube.
- 11.05-11.30 Coffee.
- Short Papers
- 11.30-11.50 A. Pelter - Synthesis of Piperolide and
related compounds.
- 11.50-12.10 J.F. Callahan and J.R. Williams - The use
of Photocycloaddition-Thermolysis in the
synthesis of Sesquiterpenes.
- 12.10-12.30 R. Mitschka, J. Wrobel, J.M. Cook and
U. Weiss - General approach to the synthesis
of cyclopentanoid compounds: Studies directed
toward the preparation of staurane and modhephene.

Afternoon

- Main Lecture
- 2.30-3.30 R.U. Lemieux - The exploration of inner space by
stereochemically controlled satellites.
- 3.50-4.10 Coffee
- Short Papers
- 4.10-4.30 J.W. Huffman and G.F. Hillenbrand - Synthetic
approaches to polyhydroxyagarofurans.
- 4.30-4.50 P. Geneste, J.L. Olivé and G. Accrombessi - Liquid
phase hydrogenolysis on Pd/C of Epoxides:
Application to the epoxides of limonene.

TUESDAY, JANUARY 8th

Morning

9.00-10.00

Main Lecture

L. Minale - Recent results on Marine Steroids.

10.20-10.40

Coffee

10.40-11.40

Main Lecture

B. Belleau - Natural Products in the life of the Organic-Medicinal Chemist.

THURSDAY, JANUARY 10th

Morning

9.00-10.00

Main Lecture

F. McCapra - Recent progress in the chemistry of bioluminescence.

10.20-10.40

Coffee

Short Papers

10.40-11.00

H.G. Theuns and C.A. Salemink - New alkaloids from *Papaver Bracteatum* Lindley.

11.00-11.40

J.P. Kutney - Dihydropyridines and their chromium carbonyl complexes as synthons in synthesis and biosynthesis.

Afternoon

2.30-3.30

Main Lecture

L. Weiler - The laboratory synthesis of natural products from acetate.

3.50-4.10

Coffee

Short Papers

4.10-4.30

I.D. Spenser and J.C. Richards - Biosynthesis of Vitamin B¹ : Deuterium NMR in the study of the stereochemistry of enzymic reactions. Decarboxylation of ornithine, arginine and oxidation of putrescine and agmatine.

4.30-4.50

S. Gould - Studies on the homoserine hydrogenase reaction : Trials and tribulations.

FRIDAY, JANUARY 11th

Morning

9.00-10.00

Main Lecture

R.H. Thomson - Blue Mahoe

10.20-10.40

Coffee

10.40-11.40

Main Lecture

P. Deslongchamps - Pot-pourri of stereoelectronic effects, conformational analysis and reactivity of acetals leading to a new strategy in the synthesis of Natural Products.

REGISTERED VISITING PARTICIPANTS

BELLEAU, B.	LEMIEUX, R.U.
BINKS, R.	LeQUESNE, P.W.
CANE, D.E.	M ^C CAPRA, F
CARON, A.	MINALE, L.
CHAN, W.	MOOTOO, B.
CLARKE, S.	PARRY, R.
COOK, J.	PELTER, A.
DESLONGCHAMPS, P.	SALEMINK, C.A.
DESLONGCHAMPS, S.E.	SCOTT, A. I.
FALLIS, A.G.	SPENSER, I.D.
GENESTE, P.	THOMSON, R.H.
GOULD, S.J.	TROTZ, V.O'D.
HORTON, D.	UEDELHOVEN, W.
HUFFMAN, J.W.	WEILER, L.
KUTNEY, J.P.	WEISS, U.
	WILLIAMS, J.R.