

F I F T H  
N A T U R A L   P R O D U C T S   S Y M P O S I U M

Mona, Jamaica.

January 7th to 11th

1974.

S C I E N T I F I C   P R O G R A M M E  
a n d  
A B S T R A C T S   O F   P A P E R S .

Department of Chemistry  
UNIVERSITY OF THE WEST INDIES.

## **ORGANISING COMMITTEE**

W.R. Chan (Chairman)

K. L. Stuart

D. R. Taylor

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S. E. Thomas.

## **ACKNOWLEDGEMENT**

The Organising Committee thanks the Regional Programme of the Organisation of American States, Roche products Ltd. (England) and the National Trading Co. (Jamaica) for their support of this Symposium.

TUESDAY, JANUARY 6th

Morning

SCIENTIFIC PROGRAMME

MONDAY, JANUARY 7th

Morning

8.30-9.00 Completion of Registration.

9.00-9.30 Opening Address:

The Hon. Allan Isaacs, Minister of Mining and  
Natural Resources, Government of Jamaica.

9.45-10.45 Main Lecture

A.I. Scott - Biosynthesis of Vitamin B<sub>12</sub>.

11.00-11.30

Coffee

11.30-11.40 Short Papers

11.30-11.50 C.R. Hutchinson, A.H. Heckendorf and P.E. Daddona -  
Biosynthesis of Camptothecin.

11.50-12.10 J.P. Kutney - The total synthesis of dimeric  
Vinca alkaloids.

Afternoon 12.10-12.30

G. Fodor - Synthesis of new piperidine alkaloids.

Afternoon

2.30-3.30 Main Lecture

R.V. Stevens - Synthesis of a natural product.

3.50-4.10 Short Papers Coffee

4.10-4.30 Short Papers

4.10-4.30 M. Hasegawa and A. Lira - The structure of  
subsessinine.

4.30-4.50 C.L. Stevens and J.L. Strominger - Isolation and  
total synthesis of 3,6-dideoxy-D-erythro-  
hexos-4-ulose.

4.50-5.10

J.H. Cocleovitz - The Structure of A25187, a divalent  
cation ionophore.

TUESDAY, JANUARY 8th

Morning

9.00-10.00 Main Lecture

E. Piers - Recent studies on the synthesis of sesquiterpenoids.

10.20-10.40 Coffee

Short Papers

10.40-11.00 K.S. Brown and W.E. Sanchez - Chemical reactions, distribution and functions of norditerpene dilactones in Podocarpus.

11.00-12.20 J.W. Huffman and J.J. Gibbs - Preparation and stereochemistry of 6-ketodehydroabietanes.

11.20-11.40 D. deMarcano and T.G. Halsall - The structure of the polyoxygenated diterpenol baccatin IV, and related compounds.

11.40-12.00 A.H. Conner, D.F. Zinkel and J.W. Rowe - Recent progress in the chemistry of naval stores.

Afternoon

2.30-3.30 Main Lecture

G. Hebermehl - Animal venoms and their biological significance.

3.50-4.10 Coffee

Short Papers

4.10-4.30 A.J. Weinheimer, R.A. Gross Jr., T.K.B. Karns and L.S. Ciereszko - Cueunicin and cusunicin acetate - two new marine cembranolides.

4.30-4.50 J.M. Edwards and U. Weiss - Pigments of Lachnanthes tinctoria E 11 (Haemodoraceae).

4.50-5.10 M.O. Chaney, P.V. Demarco, N.D. Jones and J.L. Occolowitz - The Structure of A23187, a divalent cation ionophore.

WEDNESDAY, JANUARY 9th

Morning

9.00-10.00 Main Lecture

T. Kametani - Total synthesis of some alkaloids  
by thermolysis.

10.20-10.40

H. Uskokovic - The total synthesis  
of Coffee alkaloids.

10.40-11.40 Main Lecture

P. Deslongchamps - The importance of the  
conformation of the tetrahedral intermediate  
in the hydrolysis of esters and amides.

L. Groble - The chemistry and  
biosynthesis of Rotenoids.

Afternoon

3.00-5.00 Impromptu Papers.

Chairman: H.H. Wasserman.

V.B. Gill - Non-Molecular Rearrangements.

REGISTERED VISITING PARTICIPANTS

ABELSTEIN, G.V.

APSIMON, J.W.

AYER, W.A.

BAGLEY, J.F.

FRIDAY, JANUARY 11th

Morning

9.00-10.00

Main Lecture

BROWN, K.S.

M. Uskokovic - The total synthesis of heteroyohimbine alkaloids.

CAYA, N.P.

CHANNY, S.C.

CLADY, J.

10.20-10.40

Coffee

10.40-11.40

Main Lecture

EATON, P.E.

L. Crombie - The chemistry and biosynthesis of Rotenoids.

FOODOR, G.

GOKRING, E.L.

Afternoon

3.00-4.00

Main Lecture

KENNEDY, J.B.

W.D. Ollis - Mean Molecular Meanderings.

HOULETAN, W.J.

HUFFMAN, J.V.

HUSBANDS, G.E.R.

HUTCHINSON, G.R.

JACOBUS, J.

KARSTANI, T.

KUTNEY, J.P.

LEQUENNE, P.V.

McLEAN, D.B.

McLEAN, S.

MALLARY, R.

MARCANO, D.

MARSHALL, J.A.

MOOTOO, B.S.

OKORIE, D.

OLLIS, W.D.

PARRY, R.

PIERS, E.

SALEMINE, C.A.

SCOTT, A.I.

SHENKER, I.B.

STEVENS, G.L.

STEVENS, Y.

TROPE, D.

USKOKOVIC, M.

VOGT, B.R.

WASSERMAN, E.C.

WEISS, U.

WELCH, S.C.

WHEATLEY, W.D.

WHEELER, G.H.

WILDMAN, W.C.

WILLIS, C.S.

YATES, K.

YATES, P.

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CLARDY, J.  
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CROMBIE, L.  
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FODOR, G.  
GOERING, H.L.  
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McLEAN, S.

MALLABY, R.  
MARCANO, D.  
MARSHALL, J.A.  
MOOTOO, B.S.  
OKORIE, D.  
OLLIS, W.D.  
PARRY, R.  
PIERS, E.  
ROWE, J.W.  
SALEMINK, C.A.  
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