

**SIXTH  
NATURAL PRODUCTS SYMPOSIUM**

**Mona, Jamaica**

January 5th to 9th

**1976**



**SCIENTIFIC PROGRAMME**  
**and**  
**ABSTRACTS OF PAPERS**

Department of Chemistry  
**UNIVERSITY OF THE WEST INDIES**

ORGANISING COMMITTEE

W.R. Chan (Chairman)  
K.L. Stuart (Head of Department)  
K.E. Magnus  
E.V. Roberts  
V.G. Box  
B.A. Burke (Organising Secretary)  
S.J. Clarke  
K. Gould.

ACKNOWLEDGEMENT

The Organising Committee thanks the Commonwealth Foundation, London, the Research and Publication Committee, University of the West Indies and National Trading Company for their support of this Symposium.

SCIENTIFIC PROGRAMME

MONDAY, JANUARY 5th

Morning

- 8.30-9.00 Completion of Registration.
- 9.00-9.30 Opening Address:  
The Hon. Rex Nettleford, O.M.,  
Director of Extra-Mural Studies and  
Chairman, Institute of Jamaica.
- 9.45-10.45 Main Lecture  
J. Baldwin - Title to be announced.
- 11.05-11.30 Coffee
- Short Papers
- 11.30-11.50 R.K. Boeckman and E.W. Thomas - Studies  
directed toward the total synthesis of  
cerulenin, a novel fatty acid antibiotic.
- 11.50-12.10 M.E. Alonso - New synthesis of hydrourushiol.

Afternoon

- 2.30-3.30 Main Lecture  
D. Horton - Synthetic and structural studies  
on carbohydrate antibiotics and their  
components.
- 3.50-4.10 Coffee
- Short Papers
- 4.10-4.30 M.H. Delton and M.E. McCarthy - Silver  
carbonate oxidation of vicinal cyclopentane diols.
- 4.30-4.50 B. Ganem - Conformational and stereochemical  
control of an unprecedented neighbouring group  
participation. A new, stereospecific chloro-  
epoxide synthesis.

TUESDAY, JANUARY 6th

Morning

- 9.00-10.00      Main Lecture  
I.D. Spenser - Title to be announced.
- 10.20-10.40      Coffee
- Short Papers
- 10.40-11.00      J.M. Bobbitt and I.G.C. Coutts - The role of tetrahydroisoquinoline-1-carboxylic acids in isoquinoline alkaloid biosynthesis.
- 11.00-11.20      C.R. Hutchinson, M-T Hsia and R.A. Carver. Biosynthetic studies of alkaloids using <sup>13</sup>C.
- 11.20-11.40      M.P. Cava, J.M. Saa and A. Venkateswarlu. Reactions of dehydroaporphines.
- 11.40-12.00      C. Salemink - The chemistry of Cannabis smoke.
- 12.00-12.20      Hans J. Reich, S.K. Shah, F. Chow and P.D. Clark - Selenium stabilised anions as reagents for organic synthesis.

Afternoon

- 2.30-3.30      Main Lecture  
J. MacMillan - Gibberellin plant hormones, chemistry, biosynthesis and metabolism.
- 3.50-4.10      Coffee
- Short Papers
- 4.10-4.30      J.W. Huffman, C.A. Miller and A.R. Pinder. Synthetic approaches to 10-epi-*podocarpic* acids.
- 4.30-4.50      A.K. Banerjee and E.H. Bolívar - Synthetic studies on rosane type diterpene.
- 4.50-5.10      J. Gore - Vinyl-allenes.



WEDNESDAY, JANUARY 7th

Morning

- |             |   |
|-------------|---|
| 9.00-10.00  | <u>Main Lecture</u><br>J. Kutney - Studies in dimeric alkaloids of the <u>Vinca</u> family.   |
| 10.20-10.40 | Coffee  |
| 10.40-11.00 | <u>J.W. Scott, F.T. Bizzarro, D.R. Parrish and G. Saucy</u> - Syntheses of 2R,4'R,8'R- $\alpha$ -tocopherol and 2R,3'E,7'E- $\alpha$ -tocotrienol.  |
| 11.00-11.20 | <u>D. Yang, J. Oehldrich, J.M. Cook and U. Weiss</u> - Chemistry of 1,2 and 1,3-dicarbonyl compounds with dimethyl- $\beta$ -keto-glutarate: Synthesis of 3,6,7,8-tetrahydro-4-methylethylidenoate-5-oxocoumarin. |
| 11.20-11.40 | E. Kayode Adesogan - Serendipity and chemical investigations to traditional medical practice among the Yorubas.   |

Afternoon

- |           |                   |
|-----------|-------------------|
| 3.00-5.00 | Impromptu Papers. |
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FRIDAY, JANUARY 7th

Morning

9.00-10.00

Main Lecture

K. Overton - Biosynthetic and mechanistic studies with plant tissue cultures.

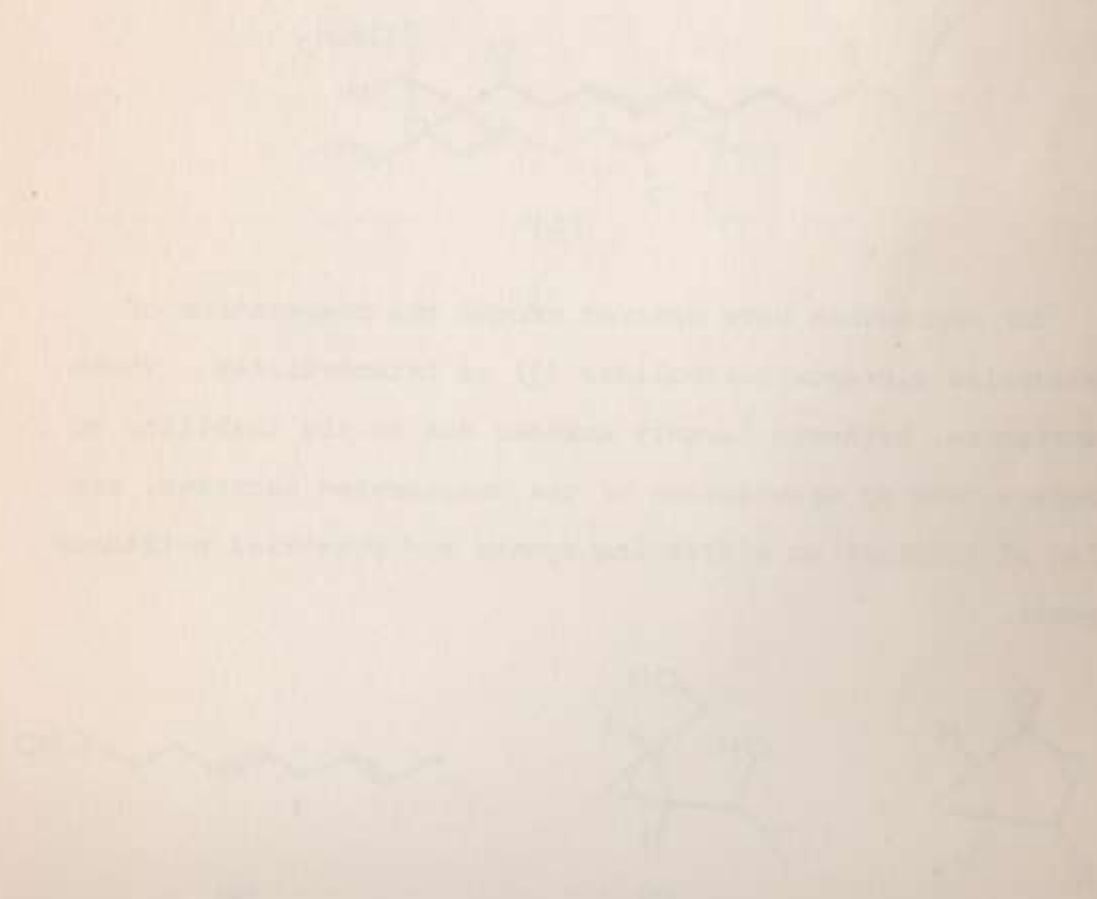
10.20-10.40

Coffee

10.40-11.40

Main Lecture

E. Winterfeldt - The stereoselective geissoschizine synthesis.



Changes to the Scientific Programme

Due to last minute changes in the arrival times of some participants as well as the late arrival of some abstracts, it has been found necessary to make alterations in the Scientific Programme as printed.

The changes are as follows:

MONDAY, JANUARY 5th

9.45 - 10.45      Main Lecture

E. Winterfeldt - The stereoselective geissoschizine synthesis.

Short Papers

12.10 - 12.30    N.H. Andersen - Sesquiterpene constituents of liverworts.

4.50 - 5.10      A. Fincham - Quantitative estimation of hypoglycins A and B.

WEDNESDAY, JANUARY 7th

Short Papers

11.40 - 12.00    P. Sierra - Alkaloids from Tabernaemontana apoda.

12.00 - 12.20    R. Iglesias - Apodinine: a new alkaloid from Tabernaemontana armeniaca.

3.00 - 5.00      Impromptu Papers session has been cancelled.

FRIDAY, JANUARY 9th

10.40 - 11.40      Main Lecture

J. Baldwin - Oxidation of peptides.