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Minority Access to Research Careers- March 1982

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Prairie View A&M University

Prairie View, Texas

The Twenty-Seventh Annual
*Institute for
The Advancement
Of Science*



A Part of Texas A&M University System

Minority Access to Research Careers

March 30-31, 1982

Division of Natural Sciences

Program

Tuesday, March 30, 1982

Room 102, Harrington Science Building

7:00 p.m.

E. E. O'Banion Memorial Lecture

Harold Taylor, Jr., *Presiding*

- Occasion of E. E. O'Banion MemorialMr. William Reid
Department of Chemistry
Prairie View A&M University
- Introduction of Mrs. O'BanionMr. William Reid
- Introduction of SpeakerDr. Arthur Washington
Department of Biomedical Research Center
Prairie View A&M University
- Substrate Absorption from the Mammalian G. I. Tract —
An Overview of Structural-
Functional RelationshipDr. Donald Jasper
Department of Biology
Illinois Institute of Technology
- RemarksDr. Edward W. Martin
Dean, College of Arts and Sciences
Prairie View A&M University

Program

Wednesday, March 31, 1982

8:00- 8:45 a.m. *Registration and Refreshment*

Hobart Taylor Building

Foyer and Patio

9:00-10:30 a.m. *Presentation of Papers and Poster Session*

Hobart Taylor Recital Hall

Heath Spence, Presiding, Chemistry Major

1. Synthesis and Anticoagulant Properties of Sulfate Polysaccharides from Arabic Acid Marcus Coleman
Chemistry Major
2. Succinic Acid Dehydrogenase Activity During Growth and Development of *Dictyostelium discoideum* Sandra Manning
Biology Major
3. Synthesis of Alkyl Halides (Chloride) from Corresponding Alcohol in Hexamethylphosphoric Triamide: R-2-Octanol Conversion to S-2 Octyl Chloride E. A. Brenham
Chemistry Major
4. Comparison of Sulfate Determination by Gravimetric and Spectrophotometric Methods Theresa Kemp
Chemistry Major
5. Nodulation by *Rhizobium* of Suspension Cultures of Legume Root Cells Dorothy Ringer
Biology Major
6. Synthesis of Primary Alkyl Chlorides in Hexamethylphosphoric Triamide Jeffery Harrison
Chemistry Major
7. Synthesis and Anticoagulant Properties of Sulfated Locust Bean Polysaccharide Eddie Marbley
Chemistry Major

8. A Study to Determine the Occurrence of Hypertension
Among Black College-Age Females Who Smoke
and Use Birth Control Pills **Carol Gabriel**
Biology Major
9. The SN_2 Displacement of the Neopentyl Groups in the
Solvent Hexamethyl-phosphoric Triamide (HMPT)
Arrhenius, Activation Energies Involved **Janice P. Thomas**
Chemistry Major
10. A Kinetic Study of Alkyl Tosylates in Hexamethyl
Phosphoric Triamide and Methanol **Darryl E. Mosley**
Chemistry Major

10:30-11:45 a.m.

General Session, Hobart Taylor Recital Hall

Dr. J. E. Berry, Presiding

- Invocation** **The Reverend W. Van Johnson**
Dean of the Chapel
Prairie View A&M University
- Welcome** **Dr. Alvin I. Thomas**
President
Prairie View A&M University
- Introduction of Speaker** **Dr. Arthur Washington**
Director of Biochemical Research Center
Prairie View A&M University
- Address** **Dr. Don Jasper**
Department of Biology
Illinois Institute of Technology
- Summer Program Announcements** **Dr. George Brown**
Department of Biology
Prairie View A&M University

Adjournment