



NATIONAL ACADEMY OF SCIENCE
AND TECHNOLOGY

8th
ANNUAL
SCIENTIFIC
MEETING

July 7-8, 1986

AST

Philippine International Convention Center
Roxas Boulevard, Metro Manila

56

1986

**Theme: Organization and Development of
the Sciences and the Scientific
Community: Aims, Practical
Problems and Conceptual Issues**

They serve as invitation

**NATIONAL ACADEMY OF SCIENCE
AND TECHNOLOGY**
8th Annual Scientific Meeting
July 8, 1986, PICC, Manila

July 8 MORNING

8:00 R e g i s t r a t i o n

8:30 Opening Session
(Meeting Room 4)

National Anthem

Welcome Address

Academician Paulo C. Campos
NAST President

Remarks by the Chairman of
the Scientific Meeting

Academician Alfredo V. Lagmay

PLENARY SESSIONS

9:00 "Rice and Corn Technology and
Policy in the Philippines"

Academician Bienvenido O. Juliano

MODERATOR:

Academician Faustino T. Orillo

10:00 B r e a k

10.15 "Environmental Impact Assessment
of Development Projects in the
Philippines – Some Experiences"

Academician **Quintin L. Kintanar**

MODERATOR:

Academician **Melecio S. Magno**

11:15 OPEN FORUM ON SCIENCE POLICY

MODERATOR:

Academician **Melecio S. Magno**

12:15 Lunch Break

July 8 AFTERNOON

SCIENTIFIC SESSIONS

Scientific Session I (Health Sciences)

Tuesday, July 8/Meeting Room 4

CHAIRMAN: Academician **Conrado S. Dayrit**

1:00 "A Situation Study of Neonates and the
Maternal Factor in Communities of Eleven
(11) Health Regions of the Philippines
(1983-1985)"

Academician **Fe del Mundo**
National Scientist

1:30 "Epidemiological Aspects of Human
Cathaemiasis in the Philippines
(A Newly Discovered Parasitic Infection)"

Academician **Benjamin D. Cabrera**

2:00 "Prospective Study of Diarrheal Disease of
Infants and Young Children of a Peri-urban
Community: morbidity patterns, risk factors
and etiologies"

Mediadora C. Sanjel, M.D.
Outstanding Young Scientist '85

Scientific Session I (Social Sciences)

Tuesday, July 8/Meeting Room 4

CHAIRMAN: Academician **Alfredo V. Lagmay**

- 2:30 "Maternal and Child Health and Family Planning in Selected Urban Poor Communities in the Philippines"

Alejandro N. Herrin, Ph.D.
Outstanding Young Scientist '82

- 3:00 "A Simple Solution to the Strotz Consistency Problem"

Academician **José Encarnación, Jr.**

B r e a k

Scientific Session II (Biological Sciences)

Tuesday, July 8/Meeting Room 6

CHAIRMAN: Academician **Carmen C. Velasquez**

- 1:00 "The Life Cycle of *Orthocoelium scolio-coelium* (Fischoeder, 1904) Yamaguti, 1971 (Paramphistomidae: Orthocoeliinae) in the Philippines"

Salcedo L. Eduardo, Ph.D.
Outstanding Young Scientist '80

- 1:30 "The Identification of *Zingiber purpureum* - Rosc."

Academician **Magdalena C. Cantoria**

- 2:00 "Use of Ammonia as Fish Toxicant for Management of Freshwater Ponds"

Rafael D. Guerrero, III, Ph.D.
Outstanding Young Scientist '80

Scientific Session II (Agricultural Sciences)

Tuesday, July 8/Meeting Room 6

CHAIRMAN: Academician **Dioscoro L. Umali**

2:30 "Vitamin and Amino Acid Supplementa-
tion of Diets for Growing-Finishing Pigs"

Regalado G. Zamora, Ph.D.
Outstanding Young Scientist '85

3:00. "Genetics of Macapuno: A Genetic Tumor
of the Coconut Endosperm"

Dolores A. Ramirez, Ph.D.
Dean, Graduate School, UPLB

3:30 "The Coconut Palm as a Solar Energy
Collector: Planting Geometries"

Academician **Julian A. Banzon**

4:00 B r e a k

Scientific Session III (Mathematical and Physical Sciences)

Tuesday, July 8/Meeting Room 7

CHAIRMAN: Academician **Clara Y. Lim-Sylianco**

1:00 "Ultrafiltration of Fish Processing Wastes"

Ernesto J. del Rosario, Ph.D.
Outstanding Young Scientist '80

1:30 "Radiation – Induced Degradation of
Cellulose for Biomass Conversion"

Alumanda de la Rosa, Ph.D.
Outstanding Young Scientist '85

2:00 "Beryllium in Adobe-derived Soil of Cavite"

Academician **Jose R. Velasco**

2:30 **"Methods of Extraction of Plant Growth Hormones in Coconut Water: I. UV Characterization"**

Juanita C. Mamaril,
Researcher, BIOTECH, UPLB

3:00 **"Median Estimates of Regression"**

Roberto N. Padua, Ph.D.
Professor of Statistics
De La Salle University

3:30 **"Generalization of Chromatic Number"**

Severino V. Gervacio, Ph.D.
Outstanding Young Scientist '81

5:00 **Investiture of New Academicians**

Summary Table

Sessions	Assigned Meeting Room	Date	Time
Opening Session	4	July 8	8:00— 9:00
Plenary Sessions	4	July 8	9:00—12:00
Health Sciences	4	July 8	1:00— 2:30
Social Sciences	4	July 8	2:30— 3:30
Biological Sciences	6	July 8	1:00— 2:30
Agricultural Sciences	6	July 8	2:30— 4:00
Mathematical & Physical Sciences	7	July 8	1:00— 4:00

NAST Executive Council (1985-1988)

Paulo C. Campos	— <i>President</i>
Melecio S. Magno	— <i>Vice-President & Secretary</i>
Julian A. Banzon	— <i>Member</i>
José Encarnación, Jr.	— <i>Member</i>
Alfredo V. Lagmay	— <i>Member</i>
Dioscoro L. Umali	— <i>Member</i>
Carmen C. Velasquez	— <i>Member</i>

National Scientists

Teodoro A. Agoncillo, Litt. D. (*honoris causa*)⁺ .
Encarnacion Alzona, Ph.D.
Francisco M. Fronda, Ph.D.⁺
Hilario D.G. Lara, M.D., Dr.P.H.
Fe del Mundo, M.D.
Geminiano T. de Ocampo, M.D.
Eduardo A. Quisumbing, Ph.D.
Casimiro del Rosario, Ph.D.⁺
Juan S. Salcedo, Jr., M.D. D.Sc. (*honoris causa*)
Alfredo C. Santos, Dr. phil.
Francisco O. Santos, Ph.D.⁺
Carmen C. Velasquez, Ph.D.
Gregorio T. Velasquez, Ph.D.
Gregorio Y. Zara, D.Sc.⁺

+ deceased

Academicians

Teodoro A. Agoncillo, Litt. D. (*honoris causa*)+
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Clare R. Baltazar, Ph.D.
Julian A. Banzon, Ph.D.
Benjamin D. Cabrera, M.D., M.P.H.
Paulo C. Campos, M.D.
Magdalena C. Cantoria, Ph.D.
Gelia T. Castillo, Ph.D.
Amando M. Dalisay, Ph.D.+
Conrado S. Dayrit, M.D.
José Encarnación, Jr., Ph.D.
Pedro B. Escuro, Ph.D.
Raymundo A. Favila, Ph.D.
Francisco M. Fronda, Ph.D.+
Emerita V. de Guzman, Ph.D.+
Emil Q. Javier, Ph.D.
Bienvenido O. Juliano, Ph.D.
Jose O. Juliano, Ph.D.
Quintin L. Kintanar, M.D., Ph.D.
Alfredo V. Lagmay, Ph.D.
Hilario D.G. Lara, M.D., Dr. P.H.
Clara Y. Lim-Sylianco, Ph.D.
Cecilio F. Lopez, Dr. phil.+
Melecio S. Magno, Ph.D.
Tito A. Mijares, Ph.D.
Fe del Mundo, M.D.
Quirino O. Navarro, Ph.D.
Bienvenido F. Nebres, S.J., Ph.D.
Geminiano T. de Ocampo, M.D.
Luz Oliveros-Belardo, Ph.D.
Faustino T. Orillo, Ph.D.
Eduardo A. Quisumbing, Ph.D.
Jose N. Rodriguez, M.D.+
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Jose R. Velasco, Ph.D.
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Gregorio F. Zaide, Ph.D.
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