

CONTENTS

WELCOME ADDRESS

- PAULO C. CAMPOS, President, National Academy of Science
and Technology 1

PLENARY PAPERS

- BIENVENIDO O. JULIANO and LEONARDO A. GONZALES.
Rice and Corn Technology in the Philippines 5
- QUINTIN L. KINTANAR. Environmental Impact Assessment
of Development Projects in the Philippines - Some
Experiences 37

AGRICULTURAL SCIENCES

- REGALADO G. ZAMORA. Vitamin and Acid Supplement-
ation of Diets for Growing-Finishing Pigs 77
- DOLORES A. RAMIREZ. Genetics of Makapuno: A Genetic
Tumor of the Coconut Endosperm 93
- JULIAN A. BANZON. The Coconut as a Solar Energy
Collector: Planting Geometries 111

BIOLOGICAL SCIENCES

- SALCEDO L. EDUARDO and MICHAEL U. KAW. The Life
Cycle of *Orthocoelium scoliocoelium* (Fischoeder, 1904)
Yamaguti, 1971 (Paramphistomidae: Orthocoeliinae) in
the Philippines 121
- MAGDALENA C. CANTORIA. The Identification of *Zingiber*
purpureum Rosc 139
- RAFAEL D. GUERRERO, L. A. GUERRERO and M. E.
ALAMAR. Use of Ammonia as Fish Toxicant for Manage-
ment of Freshwater Ponds 151

HEALTH SCIENCES

- FE DEL MUNDO, A.L.M. V. FONTE AND C. C. CRUZ.
Low Birth Weight Neonates and Surrounding Factors:
A Situation Study in Communities of 11 Health Regions
of the Philippines (1983-85) 159

BENJAMIN D. CABRERA, R. B. MONZON and A. SRIPAWIT. Epidemiological Aspects of Human Cathaemiasis in the Philippines (A Newly Discovered Parasitic Infection)	175
MEDIADORA C. SANIEL. Prospective Study of Diarrheal Disease of Infants and Young Children of a Peri-Urban Community: Morbidity Patterns, Risk Factors and Etiologies	183

MATHEMATICAL AND PHYSICAL SCIENCES

ERNESTO J. DEL ROSARIO, H. A. BERGONIA, L. P. SP MADAMBA and R. N. BARBOSA. Ultrafiltration of Fish Processing Wastes Using Polyamide Membranes	191
ALUMANDA M. DELA ROSA, L. V. ABAD, R. B. BANZON, A. S. DELA MINES-BULOS and Z. F. SIMBUL-NUGUID. Radiation-Induced Cellulose Degradation	207
JOSE R. VELASCO. Beryllium in Adobe-Derived Soil of Cavite	219
JUANITA C. MAMARIL, L. C. TRINIDAD, E. T. PANER, E. S. PALACPAC and E. P. KO. Methods of Extraction of Plant Growth Hormones in Coconut Water: I. UV Characterization	225
ROBERTO N. PADUA. Median Estimates of Regression	239
SEVERINO V. GERVACIO. Generalization of Chromatic Number	249

SOCIAL SCIENCES

JOSE ENCARNACION, JR. A Simple Solution to the Strotz Consistency Problem	255
ALEJANDRO N. HERRIN. Changing Economic Environment and the Welfare of Low Income Groups in the Philippines	259