

## IX WEATHER SCIENCE

Project Title: MEAN STREAMLINE ISOTACHS OVER SOUTHEAST ASIA AND ADJACENT AREAS AND AN ATTEMPT TO FORECAST THE 500 AND 300 MILLIBARS LEVEL FLOW

Name and Address of Principal Investigator: PAGASA, 1424 Quezon Ave., Q.C.

Description of the Project: To present an Atlas of the upper air flow over Southeast Asia and adjacent areas and to attempt to forecast the 500 and 300 millibars level.

Cooperating Agencies: PAGASA NWO

Date Started: Nov., 1975

Date of Completion (for completed projects): May, 1977

Present Status of Project: completed

Project Title: SURFACE WIND VELOCITY MAPPING OF THE PHILIPPINES

Name and Address of Principal Investigator: PAGASA, 1424 Quezon Ave., Q.C.

Description of the Project: The research was conducted to construct a surface wind velocity map of the Philippines.

Project Cost and Surface of Funding: ₱80,720.33

Date Started: 1977

Present Status of Project: completed

Project Title: NATURAL DISASTER RESEARCH PROJECT

Name and Address of Principal Investigator: PAGASA

Date Started: May 1, 1978

Date of Completion (for completed projects): April 30, 1980

Present Status of Project: completed

Project Title: ECOLOGICAL FACTORS FOR OPTIMUM SEEDLING SURVIVAL

Name and Address of Principal Investigator: PAGASA

Description of the Project: The objective is to determine, at a given environmental condition, which meteorological parameter is limiting the survival ability of the specie and to what extent these differences in climate and weather conditions could account for the variations in the seedling survival rates of the various crops.

Date Started: 1979

Duration or Expected Date of Completion: 1985

Present Status of Project: on-going

Project Title: A STUDY ON THE CHARACTERISTICS OF THE SOUTHWEST AND NORTHEAST MONSOONS IN THE PHILIPPINES

Name and Address of Principal Investigator: PAGASA

Description of the Project: The objective of the study is to evolve practical and

adaptable definitions of the different characteristics of the Philippine monsoons such as the onset, surge, peak and retreat or withdrawal. It involves mathematical models relating the onset, surge, peak and retreat of (basically 20-25 years of daily weather records) the monsoons and several meteorological parameters such as temperature, humidity, cloudiness, rainfall, wind velocity, mean position of ITCZ time of the year latitude and others.

Project Cost and Source of Funding: ₱ 119,400.00 MAB

Cooperating Agencies: PAGASA Weather Bureau  
PAGASA NWO

Date Started: July 1978

Duration or Expected Date of Completion: December 1981

Present Status of Project: on-going

Project Title: SOLAR RADIATION MAPPING OF THE PHILIPPINES

Name and Address of Principal Investigator: PAGASA

Project Cost and Source of Funding: ₱ 706,078.00  
NRCP

Date Started: April 1, 1977

Duration or Expected Date of Completion: March 31, 1980

Present Status of Project: on-going

Project Title: COMPUTER SERVICES FOR RESEARCH AND TRAINING AT  
PAGASA

Name and Address of Principal Investigator: PAGASA

Description of the Project: To design systems, generate and process computer programs for PAGASA researches on national and international levels

Project Cost and Source of Funding: ₱ 31,500.00

Cooperating Agencies: PAGASA Weather Bureau

Present Status of Project: on-going

Project Title: WEATHER MODIFICATION RESEARCH — PHASE I

Name and Address of Principal Investigator: PAGASA

1424 Quezon Ave., Q.C.

Description of the Project: The research was conducted for the purpose of preparing the requirements for the start weather modification (typhoon moderation) field experimentation by 1985.

Project Cost and Source of Funding: N R C P

Cooperating Agencies: PAGASA —TMRDO (permanent office)

Date Started: Jan. 1979

Duration or Expected Date of Completion: Dec. 1984

Present Status of Project: On-going

Project Title: PUERTO GALERA BIOSPHERE RESEARCH PROJECT

Name and Address of Principal Investigator: PAGASA  
1424 Quezon Avenue, Quezon City  
Description of the Project: To establish the climatology and seismicity of Puerto Galera and its surrounding areas through meteorological and seismological observations and research.  
Project Cost and Source of Funding: Inter-Agency (MAB)  
Date Started: July, 1976  
Duration or Expected Date of Completion: Dec. 1980

Project Title: ECOLOGICAL IMPACT OF AGRICULTURAL LAND USE IN UPLAND SOILS.

Name and Address of Principal Investigator: PAGASA  
1424 Quezon Avenue, Quezon City  
Cooperating Agencies: NAGADO  
Date Started: Sept. 1976  
Duration or Expected Date of Completion: Dec. 1981  
Present Status of Project: On-going

Project Title: PCA — PAGASA JOINT PROJECT ON WEATHER — BASED COCONUT PRODUCTION FORECASTING

Name and Address of Principal Investigator: PAGASA  
1424 Quezon Avenue, Quezon City  
Description of the Project: To evaluate the performance of the weather-based coconut production model.  
Project Cost and Source of Funding: ₱ 3,228,800.00  
Cooperating Agencies: PCA  
Date Started: March, 1977  
Duration or Expected Date of Completion: Feb. 1983  
Present Status of Project: On-going

Project Title: PTRI — PAGASA COTTON PROJECT

Name and Address of Principal Investigator: PAGASA  
1424 Quezon Avenue, Quezon City  
Description of the Project: To evaluate the climate conditions at the experimental sites and their vicinities to provide such climatic data in visible forms and inputs to the analysis.  
Project Cost and Source of Funding: ₱ 42,000.00  
Cooperating Agencies: PAGASA — Special Project on Environmental and Climatic Studies (SPECS)  
Date Started: Dec. 1978  
Duration or Expected Date of Completion: July 1980

Project Title: RAPID DETERMINATION OF PRELIMINARY EARTHQUAKE EPICENTER (PART I)

Name and Address of Principal Investigator: PAGASA  
1424 Quezon Avenue, Quezon City

Description of the Project: To develop rapid operational methods of determining earthquake epicenters and to construct epicenters locator maps.

Date Started: Jan. 1979

Duration or Expected Date of Completion: Dec. 1979

Project Title: ECOLOGICAL PROGRAMS ON THE CONTROL OF SEDIMENTATION OF RIVERS AND CANALS IN IRRIGATION SYSTEM

Name and Address of Principal Investigator: PAGASA  
1424 QCDB Quezon Avenue,  
Quezon City

Description of the Project: To determine the influence of sedimentation on water yield and quality in rivers and irrigation canals and on rice farming and related agricultural enterprises, including the flora and fauna of affected areas.

Project Cost and Source of Funding: ₱57,300.00

Date Started: Sept. 1975

Duration or Expected Date of Completion: Aug. 1981

Present Status of Project: On-going