

FAUNAL SURVEY OF ANTS IN INDANG, CAVITE

Undergraduate Thesis
Submitted to the Faculty of the
Department of Biological Sciences
College of Arts and Sciences
Cavite State University
Indang, Cavite

In Partial Fulfillment
of the Requirements for the
Degree of Bachelor of Science in Biology
(major in General Biology)



Faunal survey of ants in Indang, Cavite
574 F66 2000
T-2015

Sherlyn M. Flores

March 2000

ABSTRACT

FLORES, SHERLYN MARTONITO. March 2000. **"Faunal Survey of Ants in Indang, Cavite"**. Thesis, B.S. BIOLOGY, Biological Sciences, Cavite State University, Indang, Cavite.

Thesis Adviser : **Dr. EVELYN O. SINGSON**

The survey was conducted on different barangays in Indang, Cavite from February to May 1999. Taxonomic studies were made at the Research Laboratory of the Department of Crop Protection, CAFENR from April 1999 to January 2000. The study aimed to conduct taxonomic study of ant fauna in Indang and to provide additional information on the habits of these ants.

Specimens were examined with the use of dissecting microscope and identified through published keys and description.

Fourteen species of ants belonging to 4 subfamilies (Cerapachyinae, Formicinae, Myrmicinae and Ponerinae) were observed present in the municipality of Indang. These were taxonomically classified into genera.

Key to genera were provided and all species were photographed.

TABLE OF CONTENTS

Page

BIOGRAPHICAL DATA.....	iii
ACKNOWLEDGMENT.....	iv
LIST OF FIGURES.....	ix
ABSTRACT.....	x
INTRODUCTION.....	1
Objectives of the Study.....	2
Importance of the Study.....	2
Time and Place of the Study.....	3
Scope and Limitation of the Study.....	3
REVIEW OF RELATED LITERATURE.....	4
Taxonomic Studies	4
Philippine Ants Species.....	5
Ant Association.....	5
MATERIALS AND METHODS.....	7
Collection of Specimens.....	7
Mounting of Specimens.....	7
Identification of Specimens.....	7
RESULTS AND DISCUSSIONS.....	8
External Structures of Ant.....	9
Key to Subfamily of the Family Formicidae.....	9
Subfamily Cerapachyinae.....	11
Genus <i>Cerapachys</i> Smith.....	11
Key to Genera of the Subfamily Formicinae.....	14
Genus <i>Acantholepis</i> Mayr.....	15
Genus <i>Anoplolepis</i> Santschi.....	17
Genus <i>Myrmoteras</i> Forel.....	20

Genus <i>Oecophylla</i> Smith.....	22
Genus <i>Paratrechina</i> Motschulsky.....	25
Genus <i>Polyrachis</i> Smith.....	27
Subfamily Myrmicinae.....	30
Key to Genera of the Subfamily Myrmicinae.....	30
Genus <i>Acanthomyrmex</i> Emery.....	31
Genus <i>Crematogaster</i> Lund.....	33
Genus <i>Pheidologeton</i> Westwood.....	35
Genus <i>Tetramorium</i> Mayr.....	38
Subfamily Ponerinae.....	40
Key to Genera of the Subfamily Ponerinae.....	40
Genus <i>Diacamma</i> Mayr.....	41
Genus <i>Odontomachus</i> Latreille.....	43
Genus <i>Odontoponera</i> Mayr.....	45
SUMMARY, CONCLUSION AND RECOMMENDATION.....	48
GLOSSARY OF TERMS.....	49
LITERATURE CITED.....	52