

2012 ANNUAL REPORT

NATIONAL MUSEUM



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2012 ANNUAL REPORT



WELCOME

HIS EXCELLENCY

BENIGNO S. AQUINO III

PRESIDENT, REPUBLIC OF THE PHILIPPINES

AND HONORARY CHAIRMAN AND PATRON
OF THE NATIONAL MUSEUM

111TH FOUNDATION DAY OF THE NATIONAL MUSEUM
OCTOBER 29, 2012

2012 Events & Activities

JANUARY

- 7 • Groundbreaking of NM Batanes site
Former LORAN Station
Uyugan, Batanes
- 17 • *Lakbay Pinoy*
Vision Petron exhibition opening
GF, East Gallery, NAG
- 20 • Unveiling of San Sebastian Church National Cultural
Treasure Marker
Plaza del Carmen, Quiapo, Manila
- 26, 27
 - NM Researchers' Echo Seminar
Leo Batoon, ASBMD; Buen Calubayan, Arts; Abigael
Castro, Geology; Ligaya Lacsina & Bobby Orillaneda,
Underwater Archaeology; Cyril Santos, Anthropology; Erwin
Sebastian, Planning Office; Danilo Tandang, Botany
4F, Director's Boardroom, NAG

FEBRUARY

- 11 • *Mukhang Pera: Banknotes and Nation-Building*
Ambeth Ocampo, Ph.D.
Museum Foundation of the Philippines, Inc. (MFPI)
Lecture Series
2F, MFPI Hall, NAG
- 15 • *Mexican Masks: The Muyaes-Ogazon Collection*
exhibition opening
In cooperation with the Embassy of Mexico
4F, South Gallery, MFP
- 16 • Appreciating Japanese Culture: *Tea Ceremony*
Aiko N. Taylor
4F, Tambunting Hall, MFP
- 19 • 4th Philippine Astronomy Convention
National Planetarium
- 23 • *Legal Framework on the Protection and Prevention
of Cultural Property Trafficking*
In cooperation with OSETC, PCTC, NCCA, InterPol and
the Swiss Embassy
GF, Reception Hall, NAG

MARCH

- 5 • *Palarong Pinay*
Women's Month Celebration opening ceremony
MFP grounds
- 8 • *New Discoveries in Philippine Fauna*
Dr. Arvin C. Diesmos, NM Herpetologist/Scientist II
Ms. Marivene Manuel-Santos, NM Carcinologist
2F, Marble Hall, MFP
- 10 • *Parricide in Paris: Juan Luna in his Paintings*
Ambeth Ocampo, Ph.D.
MFPI Lecture Series
2F, MFPI Hall, NAG

- 12-16
 - Basic Museology Workshop
De La Salle University, Bacolod City, Negros Oriental
- 13 • *Philippine and Southeast Asian Textile in the Peter the
Great Museum Collection*
Maria Stanyukovich, Ph.D., St. Petersburg Museum
Inaugural Lecture for the Senator Loren Legarda
Lecture Series
3F, Queen Sofia Gallery, NAG
- 21, 22
 - *Traditional Knowledge and Intellectual Property*
In partnership with the Intellectual Property Office -
Philippines
2F, MFPI Hall, NAG
- 23 • *Archaeological Investigation of the Cultural Process
and History in the Ifugao Rice Terraces, Northern
Philippines*
Stephen Acabado, Ph.D., University of Guam
4F, Tambunting Hall, MFP

APRIL

- 17 • *Philippine Biodiversity Symposium*
In partnership with the Wildlife Conservation Society
2F, Marble Hall, MFP
- 17, 18
 - Basic Earth Science and Astronomy Workshop
Joint educational project of the NM Geology Division
and the National Planetarium
National Planetarium
- 20 • Unveiling of San Sebastian Church National Cultural
Treasure Marker
Quiapo, Manila
- 24-26
 - 4th Nature Walk: *The Marshland Ecology of
Candaba in Pampanga*
Candaba, Pampanga

MAY

- 4 • Public Sector Unionism
Mr. Abdul Lakibol, Confederation of Independent Unions Pres.
NM Rank and File Employees Association, Inc.
GF, Reception Hall, NAG
- 8-11
 - NM Sportsfest
NM Grounds
- 10 • Appreciating Japanese Culture: *Origami*
Ms. Atsuko Kikuchi
2F, Marble Hall, MFP

- 15 ● Unveiling of San Isidro Salvador National Cultural Treasure Marker
Lazi, Siquijor
- 17 ● 6th Summer Workshop for Kids
NM personnel
Courtyard, MFP
- 18 ● *Hibla ng Lahing Filipino: The Artistry of Philippine Textiles*, formal exhibition launch
3F, Queen Sofia Hall, NAG
- 22-25
 - 21st Working Meeting of the Crocodile Specialist Group of the IUCN Species Survival Commission
In collaboration with PAWB, DENR and Crocodylus Porosus Philippines, Inc.
MFP
- 23 ● *Understanding One's Self during Menopause*
Dr. Prudence A. Aquino, St. Luke's Medical Center
NM Gender and Development Committee
GF, Reception Hall, NAG
- 25 ● *Materializing the Philippines: Piña Textile and Cultural Production*
B. Lynne Milgram, Ph.D., Ontario College of Art and Design
(Delivered by Analyn Salvador, Ph.D., U.P. College Baguio)
Senator Loren Legarda Lecture Series
3F, Queen Sofia Hall, NAG
- 26 ● *The True Meaning of being Achiever*
Janice Hung, Int'l Wushu expert/Actress/Musician/Model
GF, Reception Hall, NAG
- 31 ● *GAD Planning and Budgeting*
Jeanette Kindipan, *Planning Officer IV*, & Marianne Delgado, *Planning Officer III*, Philippine Commission for Women
4F, Director's Boardroom, NAG

JUNE

- 1 ● *Yan Donko: The Philippines in Chinese Paintings, as depicted by an Austro-Chinese Artist*, exhibition opening
In cooperation with the Filipino Heritage Festival, Inc.
GF, East Wing Gallery, MFP
- 5 ● *Kisame: Visions of Heaven on Earth*, Photographs of the ceiling paintings from Bohol colonial churches, exhibition opening
In cooperation with the Ayala Museum
4F, PAGCOR Hall, NAG
- 12 ● Declaration of Museo Ning Angeles (Old Municipal Building) as an Important Cultural Property
Angeles City, Pampanga
- 22 ● Unveiling of the San Juan Bautista Church National Cultural Treasure Marker
Tabaco, Albay
- 28 ● *Declared National Cultural Treasures of the Philippines*
Cassiopea Jerose Soriano, Cultural Properties Div.
4F, Tambunting Hall, MFP

- 29 ● *Andropause*
Dr. Ma. Sylvia de Santos-Santos, Philippine Society for the Study of the Aging Male Foundation, Inc.
NM Gender and Development Committee
GF, Reception Hall, NAG

JULY

- 1 ● *Update on the Archaeological Excavation in Kiangang, Ifugao*
Stephen Acabado, Ph.D., University of Guam
Director's Boardroom, 4F, NAG
- 6 ● *A Royal Botanist in the Philippines: The Drawings of Juan de Cuellar from the Archives of the Real Jardín Botánico*, exhibition opening
3F, Fabella Hall, NAG
- 6 ● *A Royal Botanist in the Philippines: The Drawings of Juan de Cuellar from the Archives of the Real Jardín Botánico* exhibition
Special viewing and reception for the Queen of Spain
3F, Fabella Hall, NAG
- 7 ● Visit of the Queen of Spain to NM Zamboanga
Fort Del Pilar, Zamboanga City
- 14 ● Declaration of Mauban Public Bath as an Important Cultural Property
Mauban, Quezon Province
- 18 ● Signing of Memorandum of Agreement on research collaboration with the University of Santo Tomas España, Manila
- 22 ● Declaration of the Old Provincial Building as an Important Cultural Property
Tagbilaran City, Bohol
- 22 ● *Hermogena "Nene" Lungay: A Portrait of A Mother, Artist and Bohol's Pride*, exhibition opening
NM Bohol, Tagbilaran City, Bohol
- 28 ● *The National Museum: Civic Heart of Historic Manila*
Architect Paulo Alcazaren
MFPI Lecture Series
2F, MFPI Hall, NAG
- 31 ● *The Tudaya School of Living Tradition of the Bagobo Tagabawa Community*
Ms. Sonja Garcia, HIBLA, Inc.
Senator Loren Legarda Lecture Series
3F, Queen Sofia Hall, NAG
- 31 ● Unveiling of the San Agustin Parish Church and Complex National Cultural Treasure Marker
Panglao, Bohol

AUGUST

- 1 ● *Artifacts*, exhibition opening
NM Bicol, Tabaco, Albay
- 6 ● Ceremonial turnover of the Meycauyan Bells, Important Cultural Properties, to its rightful owner, the Diocese of Malolos
Malolos, Bulacan

16 • Conservation of Built Heritage

Architect Joel V. Rico
2F, Marble Hall, MFP

30 • NM Researchers' Echo-Seminar

Marie Grace Pamela Faylona, Archaeology Division;
Sheldon Clyde Jago-on, Underwater Archaeology; Marites
P. Tauro, Anthropology Division
GF, Reception Hall, NAG

SEPTEMBER

20 • *Hibla ng Lahing Filipino*, special exhibition tour and

viewing by Dr. Ana P. Labrador, Exhibition Curator

In cooperation with the Design Center of the
Philippines

3F, Queen Sofia Hall, NAG

21, 22

• 6th Karunungan Festival

In cooperation with UNESCO Philippines

2F, Marble Hall, MFP

28 • NM Researchers Echo-Seminar

Emil Neil Bersamira, Underwater Archaeology; Don
Dumale, Zoology; Felicely Estradilla, Director's Office
GF, Reception Hall, NAG

29 • *A Night of 1000*, organized by the the Philippine

Business for Education (PBED)

Senate Session Hall, NAG

OCTOBER

1 - 3

• International Workshop on the Prohibition and
Prevention of Illicit Traffic of Cultural Property

In cooperation with the InterPol, Philippine Center on
Transnational Crime, Swiss Embassy & NCCA

3F, Fabella Hall, NAG

2 • Galleries I to XXIV opens for public viewing

In celebration of the Museums and Galleries Month

2F and 3F, NAG

4 • Declaration of Sto. Domingo Church and Complex and
its Liturgical Objects as a National Cultural Treasure,

and unveiling of marker

Sta. Mesa Heights, Quezon City

11 • *Filipino Building Beliefs*

Architect Ernie Zarate

2F, Marble Hall, MFP

19 • Echo-Seminar on Digitization and Short-Film Making

Rizza Salterio, Museum Education; Anna Melissa

Domingo, Zoology; Buen Calubayan, Arts

GF, Reception Hall, NAG

25 • NM Researchers' Echo-Seminar

Ame Garong, D. Sc., Archaeology; Rolly Urriza, Zoology;
Timothy James Vitales, Archaeology

GF, Reception Hall, NAG

29 • Inauguration of the Old Senate Session Hall, officiated

by President Benigno S. Aquino

3F, Old Senate Session Hall, NAG

29 • 111th NM Foundation Day Program

3F, Old Senate Session Hall, NAG

30 • Old Senate Session Hall opens for public viewing as a
historic and architectural exhibition

3F, Old Senate Session Hall, NAG

NOVEMBER

8 • *Selected Funeral Practices in the Philippines and
Elsewhere*

Artemio Barbosa, Curator, Anthropology Division

2F, Marble Hall, MFP

10 • Sabado sa Museo at si Botong Francisco

Patrick Flores, Ph.D., U.P. Art Studies Department

2F, MFPI Hall, NAG

15 • *Sagisag Kultura*, exhibition opening

NM Bohol, Tagbilaran City, Bohol

22 • Paleographic Baybayin

Dominador Comandante, Ph.D.

2F, Marble Hall, MFP

23-29

• Scriptwriting for Museum Tours

Museum Education Division

2F, Marble Hall, NAG

27 • *The Present Use of Indigo in the Mekong Area and
the Returns Derived from its Revival to Community
Members*

Dr. Patcharawee Tunprawat, Ph.D., SEAMEO-SPAFA

Senator Loren Legarda Lecture Series

3F, Queen Sofia Hall, NAG

28 • Awarding of Philippine Charity Sweepstakes

endowment fund to the NM

3F, Old Senate Session Hall, NAG

30 • Unveiling of the San Andres Parish National Cultural

Treasure Marker

Masinloc, Zambales

DECEMBER

3 • Ceremonial turnover of *View of the*

Gendarmenmarkt by Dr. Jose Rizal by the Carlos-

Ortega family to the NM

2F, Gallery VI, NAG

6 • *Appreciating Japanese Culture: Ikebana*

Atsuko Kikuchi and Theresa Kennedy

2F, Marble Hall, MFP

12 • Unveiling of the Romeo Tabuena paintings, *Carabaos
in Pink* and *Nipa Hut on Stilts*, bequests of Herber and
Trudl Zier to the NM

2F, Security Bank Gallery, NAG



RESEARCH DIVISIONS

GEOLOGY DIVISION

Highlights

Geological history and evolution of the Batanes Islands.

This research project is a collaborative undertaking with the Batanes Historical Foundation Inc. The purpose of the research is to gather data to help establish the geological history of the province. The result will be also used in the dossier for the province's bid for inclusion in the UNESCO World Heritage Sites List.

The focus of this year's geological study is the island of Sabtang. It is the third largest island in the Batanes Group, but one of those least studied. Field collection of rock, fossils and other geologic data were completed. About 262 fossils and rock samples were collected.

Study of ammonite fossils in Mindoro. This study is a collaborative project with the National Museum of Science and Nature (NMSN), Tokyo Japan. The objectives of study is to determine the exact age of Mindoro and its environment of deposition through collections of different species of ammonite fossils.

Aside from ammonites, *Belemnites* sp., *Turritella* sp. and bivalve shells were also collected. Mindoro is one of the few islands in the Philippines with Jurassic rock exposures.



Research & projects

EVOLUTION OF THE BATANES GROUP OF ISLANDS, BATANES PROVINCE

Fieldwork was conducted from November 17 to December 7, 2012.

Objective • To reconstruct the geologic history and evolution of the Batanes Group of Islands.

Field activities • Rocks and fossil specimen collection; mapping and description of different lithologies; plotting of different geologic structures.

Laboratory activities • Fossils and rock identification; pebbles and grain size analysis.

Status • Construction of geologic map of Sabtang Island; identification of rocks and fossils, 30% completed.

Collection • 262 rock and fossils specimens collected.

STUDY OF AMMONITE FOSSILS IN MINDORO

This project is in conjunction with the project of establishing the diversity of past plant and animal life in the Philippines.

Objectives • To collect and identify the different species of ammonites and other fossils in the area; to determine the age of these fossils and to establish its environment of deposition.

Laboratory activities • Identification and classification of specimen collected; documentation.

Status • Documentation, classification and identification of specimens completed.

Collection • More than 75 specimens of Jurassic fossils and rocks.

DIVERSITY OF PAST LIFE PROJECT: FOSSIL COLLECTION-BUILDING

This project aims to establish an inventory of past plant and animal life in the Philippines. Fieldwork was conducted in the months of May, June and October in Ilocos Norte, La Union, Cagayan Valley and Bohol.

Objective • To identify and know the possible age as well as the type of environment where they were deposited.

Field activities • Collection of specimen; plotting of collection site on the map.

Laboratory activities • Identification of specimens; documentation and possible age determination.

Status • Identification and documentation still on-going.

Collection • 612 specimens collected.

STUDY OF CENTURY-OLD STONE ARCH BRIDGES OF TAYABAS, QUEZON PROVINCE

Objective • To identify the different types of rocks used in the construction of stone arch bridges; to identify the source of the materials used in the construction.

Field activities • Collection of additional field data needed to complete the analysis.

Laboratory activities • Analysis of data.

Status • Identification and analysis of rock samples were completed; manuscript is ready for publication.

WORKSHOP ON BASIC EARTH SCIENCE AND ASTRONOMY

This project is in collaboration with the Planetarium Division. It is held every summer. Some of the topics discussed include prehistoric life, natural calamities, methods of rock and mineral identification, and maintenance of geological collection.

Objective • To serve as refresher course for Earth Science teachers.

Activities • Lectures and workshop on rock identification, maintenance and fossil restoration.

Results • 21 teacher-participants from Marikina, Manila, Mandaluyong, Pasay and Quezon Cities completed the training workshop.

Fieldwork

BUCAUE, BULACAN

February 8, 2012 • To setup and present the geological traveling exhibit, as an outreach program • St. Paul College • E. P. Gornal and M. P. Rondal.

CANDABA, PAMPANGA

February 10, 2012 • To conduct an ocular inspection for the Candaba Swamp Nature Walk • R. SP De Ocampo and M. P. Rondal.

TICAO ISLAND, MASBATE

February 16-24, 2012 • To collect specimens and identify the different rock formations in the island • R. SP De Ocampo, P. A. Ong and I. L. Jestre.

QUEZON, PALAWAN

March 19-28, 2012 • To assist in the conduct of archaeological investigation in Tabon Cave • A. Castro.

CANDABA, PAMPANGA

April 23-25, 2012 • Resource speaker for Nature Walk 2012: Marshland Ecology • M. P. Rondal.

TAYSAN, BATANGAS & RAGAY, CAMARINES SUR
May 8-11, 2012 • To conduct study on fossil sites and collect geological specimens • P. A. Ong, E. P. Gornal and P. B. Omaña.

PAMILACAN ISLAND, BACLAYON, BOHOL
June 6-15, 2012 • To conduct geological studies and collection of specimens • M. P. Rondal, B. Naungayan Jr., and E. D. L. Francia.

BOLINAO, PANGASINAN
July 2-5, 2012 • Supervised the bidding on waste disposal • R. SP De Ocampo.

CAGAYAN VALLEY
October 15-21, 2012 • To conduct geological studies and collection of specimens • R. SP De Ocampo, B. Naungayan Jr., and I. L. Jestre.

Acquisitions

FIELD COLLECTIONS

- 835 fossil, rock and mineral specimens.

BACARRA, ILOCOS NORTE & ARINGAY, LA UNION
October 22-27, 2012 • To conduct geological studies and collection of specimens • P. A. Ong, E. P. Gornal, and E. D. L. Francia.

BOTOLAN, OLONGAPO, SAN FELIPE & SAN MARCELINO, ZAMBALES
November 19-23, 2012 • Setup and presentation of traveling exhibition • E. P. Gornal and A. Castro.

BATANES PROVINCE
November 17-December 7, 2012 • To conduct geological studies and collection of specimens • R. SP De Ocampo, P. A. Ong, and B. Naungayan Jr.

Exhibitions

NM OF NATURAL HISTORY

- Prepared exhibition concept.

TRAVELLING SUITCASE

- Presentation and setup in Bucaue, Bulacan and Zambales Province.

Collections management

Identified • 835 specimens

Documented • 2,231 specimens

Accessioned • 835 specimens

Inventoried • 12,013 rocks, minerals and fossils

Encoded to database • 800 rocks, minerals and fossils

Cataloged • 137 specimens

Maintained • 38,624 rocks, minerals and fossils

Publications

Sato, T., T. Kase, Y. Shigeta, **R. SP De Ocampo, P. A. Ong,** Y. M. Aguilar and W. Mago. 2012. Newly collected Jurassic ammonites from Mansalay formation, Mindoro Island, Philippines. *Bulletin of National Museum of Science and Nature*, Ser. C, 38: 63-73.

DRAFT MANUSCRIPTS FOR PUBLICATION

Stone materials of Malagonlong Bridge, Tayabas City • R. SP De Ocampo and P. A. Ong

Ammonites from Silungan ng Higante, Virac, Catanduanes • R. SP De Ocampo and P. A. Ong

Morphology of tektites from Cabalwan Anticline, Cagayan Valley • R. SP De Ocampo and E. P. Gornal

Analysis of pebbles from Rizal, Cagayan Valley • R. SP De Ocampo and B. Naungayan Jr.

Geological perspectives of Kanghai archaeological site, Buenavista, Mulanay, Quezon • M. P. Rondal

Technical assistance

Orientation regarding rocks, minerals and fossils • Geology students of Partida State University, Goa, Camarines Sur
Setup of travelling exhibition • St. Paul College, Bulacan

Analysis of sediment samples • Subic, Zambales
Setup of travelling exhibition • Zambales Province

Lectures

ECHO-SEMINAR ON PUCUNG FIELD SCHOOL IN INDONESIA

January 27, 2012 • Pucung, Indonesia • A. Castro.

ROCKS, MINERALS AND METHODS OF IDENTIFICATION

April 17, 2012 • Seminar-workshop on Basic Earth Science and Astronomy for Teacher • B. Naungayan Jr.

THE RESTLESS EARTH

April 17, 2012 • Seminar-workshop on Basic Earth Science and Astronomy for Teacher • M. P. Rondal.

PRE-HISTORIC LIFE IN THE PHILIPPINES

April 18, 2012 • Seminar-workshop on Basic Earth Science and Astronomy for Teacher • P. A. Ong.

COLLECTION AND MAINTENANCE OF GEOLOGICAL SPECIMENS

April 18, 2012 • Seminar-workshop on Basic Earth Science and Astronomy for Teacher • P. A. Ong.

DEVELOPMENT OF CANDABA MARSH

April 24, 2012 • 2012 Nature Walk: Marshland Ecology of Candaba • M. P. Rondal.

Schools & institutions served

SCHOOLS

Adamson University • Caybiga High School • Cayetano Arellano High School • Concordia School • P. Gomez Elementary School • Manila Science High School •

Partida State University • PDPES • Pamantasan ng Lunsod ng Maynila • Technological University of the Philippines • University of the East • UERM

LOCAL GOVERNMENT UNITS

City of Manila • Sta. Barbara, Iloilo

Personnel development

NATIONAL COMMITTEE ON GEOLOGICAL SCIENCES

Participation in various activities.

POLARIZED LIGHT MICROSCOPY IN PIGMENT IDENTIFICATION

April 10, 2012 • Archaeology Division, NM • A. Castro.

PUBLIC SECTOR UNIONISM

May 4, 2012 • GF, Reception Hall, NAG • M. P. Rondal.

4TH PHILIPPINE ASSOCIATION OF CAREER SCIENTISTS ANNUAL MEETING AND SCIENTIFIC SYMPOSIUM ON ROBOTICS FOR PHILIPPINE SOCIETY

October 5, 2012 • 3F, NAG • B. Naungayan Jr., and A. Castro.



BOTANY DIVISION

Research projects

AURORA

Ethnomedicinal plants of Zabali, Baler • Flowering plants • Native plants • Marine benthic algae.

BANTO-ANON

Ethnobotanical survey • Survey and documentation of common useful plants.

BANTON ISLAND, ROMBLON

Botanical survey in the Guyangan Cave Complex • Flowering plants.

Botanical assessment of Silak Cave • Flowering plants; fungi; pteridophytes.

Plankton survey.

BATANES

Botanical survey • Diatoms; ethnomedicinal plants; flowering plants; fungi; pteridophytes • In collaboration with the Batanes Heritage Foundation, Inc.

CAMPUGAN, SAN FRANCISCO, AGUSAN DEL SUR

Peatland flora survey.

CATANDUANES

Epiphytic diatoms • In collaboration with the University of the Philippines Los Baños and Philippine Normal University.

PALANAN, ISABELA

Ethnomedicinal plants of the Yogad.

LA UNION

Ethnomedicinal plants.

MARAGONDON RIVER, CAVITE

Plankton survey and spatial distribution.

NATIONAL PARKS AND PROTECTED LANDSCAPES

Botanical survey in Mt. Banahaw and vicinities • Macro fungi survey and documentation in the Southern Tagalog Region national parks and protected landscapes • Fungal survey in Hinulugang Taktak and vicinities • Fungal survey in Lobo Philippine Teak Natural Stand and Taal Volcano and vicinities

Healing wonders of *Caesalpinia sappan* • Wild taro study, in collaboration with the National Museum of Ethnology, Osaka, Japan • Survey of Philippine flowering plants • Survey of common and edible mushrooms in the Philippines • Survey of Philippine ferns • Philippine Balanophoraceae • Philippine Rhizophoraceae • Philippine Ochnaceae • Endemic, rare and threatened plants of the Philippines.

Collaborations

PNU • Department of Science and Technology • Mindanao State University Tawi-Tawi Campus • National Museum of Ethnology, Osaka, Japan • University of the Philippines Los Baños • USDA Forest Service - Rocky Mountain Research Station • University of Santo Tomas

Collections management

Identified • 10,043 specimens

Acquired • 4,649 specimens

Illustrated • 52 specimens

Maintained • 239,609 specimens

Publications and presentations

Tadosa, E. R. 2012. The growth and development of mycology in the Philippines. *Journal of the International Society for Fungal Conservation* 3 (July).

Tadosa, E. R. 2012. Fungi associated with decay of some Philippine dipterocarps and its ecological functions and significance at the Makiling Forest, Southern Luzon, Philippines. *IAMURE International Journal on Ecology and Conservation* 3 (July).

IN PRESS

Novel species of *Cycas* (Cycadaceae) from Mindanao Island, Philippines • D. N. Tandang

Ethnomedicinal plants of Abukay, Abra • W. F. Vendivil

Botanical assessment around Cape Engaño, Palaui Island, Cagayan • W. F. Vendivil

TrnL-F provides a powerful marker for DNA identification of field vittarioid gametophytes • J. R. C. Callado

DRAFT MANUSCRIPTS FOR PUBLICATION

Macrofungal diversity in the dipterocarp forest of Mt. Makiling, Southern Luzon, Philippines • First revision, *Philippine Journal of Systematic Biology* • E. R. Tadosa

Basidiomycetous fungi associated with decay of some Philippine dipterocarps at the Makiling Forest, Southern Luzon, Philippines • For submission to *International Multidisciplinary Journal on Ecology and Conservation* • E. R. Tadosa

Macroscopic fungi from Philippine Teak Natural Stand, Batangas, Luzon Island, Philippines • For submission to *Checklist: Journal of Species List and Distribution* • E. R. Tadosa

Fungi of Taal Volcano Protected Landscape, Talisay, Batangas, Southern Luzon, Philippines • For submission to *Asian Journal of Biodiversity* • E. R. Tadosa

DNA-based approaches to identify forest fungi in Pacific Islands: A pilot study • For submission to *WFDWC Journal Publication* • E. R. Tadosa

Medicinal plants for lung diseases • W. F. Vendivil

Ethnomedicinal plants of Zabali, Baler, Aurora • W. F. Vendivil

Marine algae of Aurora • N. B. Gapas

SCIENTIFIC ILLUSTRATIONS

N. B. Diego Jr. • *Ctenitis* sp. habit and details • Fern habit and details • *Oleandra* sp. habit and details • *Canthium arboreum* habit, flowers and fruit • *Preumatopteris microlandra* (Christ.) Holttum habit and details • *Hernandioides* (Rubite) habit and enlarged flower • *Begonia castilloi* habit and flowers • *Pteris panayensis* sp. nov. juvenile sporophyte and habit • *Cycas* sp. nov. leaf details • *Begonia gitingensis* Elm. habit and part details • *Begonia rubriflora* habit, flower and fruit • *Begonia syborbicula* habit, flower and fruit • *Begonia vanoverberghii* habit and flower • *Begonia trichocheila* habit and flower • Maps of the Philippines, La Union, Ilocos Sur and Ilocos Norte Provinces.

M. C. San Antonio • *Hymenophyllum* sp. • *Orchidaceae acryphostyllis* sp. details • *Cryphostyllis* details • *Alocasia* sp. • *Begonia* sp. • *Hernandioides* (Rubite) habit, flower and fruit • *Blechum* sp. nov. details • *Blechum vestitum* sp. whole plant • *Blechum megregitum* sp. whole plant • *Blechum orientale* sp. whole plant • *Carnaindica* sp. • *Impatiens balsamina* details • *Hydrangea macrophylla* (milflores).

POPULAR ARTICLES

Yellow-footed polypore fungus • E. R. Tadosa

Sea anemone stinkhorn • E. R. Tadosa

Edible taingang-daga • E. R. Tadosa

Healing power of black Ganoderma • E. R. Tadosa

Fluted bird's nest fungus • E. R. Tadosa

Kabuteng mapula • E. R. Tadosa

Rafflesia: A rare botanical treasure of the Philippines • E. R. Tadosa

Mangkono: The Philippine ironwood tree • E. R. Tadosa

Amazing starfish hoyo • E. R. Tadosa

Species of medicinal plants: 10 different genera and species • W. F. Vendivil

Healing wonders of Sappan • W. F. Vendivil

Giant Zingiber • D. N. Tandang

ARTICLES FOR NM ARTIFACTS

NM hosts 1st International Philippine Native Plants Symposium • E. R. Tadosa

National Museum botanist delivers lecture on plant diversity and climate change • E. R. Tadosa

NM Botany Division staff attended and participated in the Philippine Native Plant Symposium • E. R. Tadosa

Presentations in symposia & annual meetings

21ST ANNUAL PHILIPPINE BIODIVERSITY SYMPOSIUM

Macrofungal diversity of Bazal-Baobo Watersheds, Ma. Aurora, Aurora Province, Central Luzon, Philippines • Paper presentation • E. R. Tadosa.

Plant diversity in Ultramafic Forest of Baler, Aurora Province, Central Luzon, Philippines • Paper presentation • D. N. Tandang.

Ethnomedicinal plants of La Union • Paper presentation • E. R. Tadosa, W. F. Vendivil and D. N. Tandang.

14TH MYCOLOGICAL SOCIETY OF THE PHILIPPINES ANNUAL MEETING & SYMPOSIUM

Occurrence of macroscopic fungi in the different farms in Indang, Cavite • Paper presentation • E. R. Tadosa.

5TH ENVIRONMENTAL EDUCATION NETWORK OF THE PHILIPPINES INTERNATIONAL CONFERENCE

A comparative study on wastewater treatment methods of selected multinational and local beverage companies in the Philippines and their effects on the environment • Paper presentation • E. R. Tadosa.

NATIONAL EDUCATORS' CONFERENCE

Factors contributory to low performance of students in 2010 NAT in science of Taysan National High School, District of San Jose, Division of Batangas • Poster presentation • E. Mallari, **L. T. Evangelista** & G. Garcia.

Small group discussion: A basis for enhancing the basic scientific skills of grade three pupils of Mary Help of Christians School (Pampanga), Inc. • Poster presentation • G. L. Wage & **L. T. Evangelista**.

Integrating ethnobotany in science education: A means to strengthen Filipino identity in the era of globalization

• Oral presentation • A. A. Abella, T. DC. Arrieta, R. M. Belmi, M. D. A. P. Bunquin, J. A. Natividad, F. J. J. S. Odulio, M. C. Petero, V. C. Roque, A. P. Silverio, J. E. Tondo, E. C. Trinidad & **L. T. Evangelista**.

Development of an environmental program for the Immaculate Heart of Mary Academy (IHMA) Pinamalayan, Oriental Mindoro • Oral presentation • M. L. Saguid-Cubillas, **L. T. Evangelista** & G. S. Garcia.

2012 WORLD RESEARCH FESTIVAL

Fungi associated with decay of some Philippine dipterocarps and its ecological functions and significance at the Makiling Forest Reserve, Laguna, Philippines • Abstract submitted • E. R. Tadosa.

Technical assistance

Foreign institutes • 4

Local individuals and institutes • 2,341

Lectures

ECHO-SEMINAR ON INTERNATIONAL FERN TRAINING COURSE

January 27, 2012 • NM • D. N. Tandang.

PHILIPPINE NATIVE PLANTS

January 29, 2012 • UP Manila students • NM • E. R. Tadosa.

PHILIPPINE PTERIDOPHYTES

March 15, 2012 • University of Santo Tomas students • UST • J. R. C. Callado.

HERBARIUM COLLECTION AND MANAGEMENT

April 11, 2012 • Philippine Normal University students • NM • W. F. Vendivil.

RECYCLED PLASTIC BOTTLE SCULPTURE WORKSHOP

May 17, 2012 • NM personnel • MFP • M. C. San Antonio.

PHILIPPINE NATIONAL HERBARIUM OPERATIONS

May 7, 2012 • De La Salle University Dasmariñas students • NM • W. F. Vendivil.

June 20, 2012 • NM Museum Education Division staff • NM • W. F. Vendivil.

CURATION AND COLLECTION OF WATER SAMPLES FOR QUALITATIVE AND QUANTITATIVE ANALYSIS

June 18-19, 2012 • De La Salle University Dasmariñas • N. B. Gapas.

Technical working groups

NATIONAL BIODIVERSITY STRATEGY AND ACTION PLAN UPDATING INCEPTION MEETING

September 26, 2012 • Quezon City • E. R. Tadosa.

PEATLAND ECOLOGY PROJECT NATIONAL TECHNICAL WORKING GROUP

Workshops and meetings • E. R. Tadosa.

PHILIPPINE NATIONAL HERBARIUM

September 18, 2012 • UP Manila students • J. R. C. Callado.

PEATLAND MANAGEMENT AND CONSERVATION

October 1, 2012 • NM Butuan personnel and other stakeholders • NM Butuan • E. R. Tadosa.

CONDUCTING SCIENCE INVESTIGATORY PROJECTS

November 21, 2012 • Tanauan Central Elementary School, Tanauan, Batangas • L. T. Evangelista.

SILKSCREEN, DRAWING AND PAINT DYING DEMONSTRATION

November 27, 2012 • Indigo Dyeing Lecture for the Senator Loren Legarda Lecture Series • 3F, Queen Sofia Hall, NAG • M. C. San Antonio.

DIVERSITY OF PHILIPPINE FERNS

December 6, 2012 • San Pedro College, Davao City • J. R. C. Callado.

COLLECTION, MAINTENANCE AND PRESERVATION OF DIFFERENT TYPES OF BOTANICAL AND HERBARIUM SPECIMENS

Different schools and universities • N. B. Gapas.

UNEP-GEF INVASIVE ALIEN SPECIES PROJECT NATIONAL TECHNICAL WORKING GROUP WORKSHOP

Workshops and meetings • PAWB-DENR, Quezon City • E. R. Tadosa, D. N. Tandang.

Peer-reviewed articles

Plasmodialmyxomycetes (slime molds) from Biak-na-Bato National Park and Angat Dam Watershed, Bulacan, Philippines. *Philippine BIOTA Journal* • E. R. Tadiosa

Limnological analysis of Laguna de Bay Lake at Binangonan Freshwater Station: Its implication to plankton diversity. *IAMURE International Journal on Ecology and Conservation*. • E. R. Tadiosa

Climate change mitigation: The case of Boracay Island. *IAMURE International Journal on Ecology and Conservation*. • E. R. Tadiosa

Upland tenurial program for environment and natural resources governance: The Northern Luzon experience. *IAMURE International Journal of Ecology and Conservation* • E. R. Tadiosa

Personnel development

**NATIONAL RESEARCH COUNCIL OF THE PHILIPPINES
GENERAL ASSEMBLY AND SCIENTIFIC CONFERENCE**
March 6-7, 2012 • Sofitel, Makati City • W. F. Vendivil, L. T. Evangelista, E. R. Tadiosa.

**21ST ANNUAL PHILIPPINE BIODIVERSITY
SYMPOSIUM**
April 17, 2012 • D. N. Tandang, J. R. C. Callado.

PUBLIC SECTOR UNIONISM
May 4, 2012 • GF, Reception Hall, NAG • W. F. Vendivil.

**ASSOCIATION OF SYSTEMATIC BIOLOGISTS OF THE
PHILIPPINES ANNUAL MEETING**
May 23-25, 2012 • L. T. Evangelista.

**ECOSYSTEMS MONITORING / FLORA OF THE
PHILIPPINES**
June 21-22, 2012 • UP Diliman • N. B. Gapas.

DOST i-SCHOOL PROJECT: NM DIGITIZATION
July 19, 2012 • National Computer Center, UP Diliman • M. C. San Antonio.

**4TH PHILIPPINE ASSOCIATION OF CAREER
SCIENTISTS ANNUAL MEETING AND SCIENTIFIC
SYMPOSIUM ON ROBOTICS FOR PHILIPPINE
SOCIETY**
October 5, 2012 • J. R. C. Callado.



ZOOLOGY DIVISION

Highlights

Rediscovery of the Philippine ground warbler. The *Robsonius* ground-warblers are forest birds endemic to the Luzon Island complex. Their systematic relationships have long remained ambiguous; until recently they were included in the timaliid genus *Napothera*. Three *Robsonius* species have been recognized: *R. rabori* from northern Cordillera Central, *R. sorsogonensis* from southern Luzon and Catanduanes, and an undescribed taxon from the northern Sierra Madre. The existence of these putatively allopatric species within the Luzon island complex highlights the role of *in situ* diversification in island systems, and brings attention to the need for forest conservation to protect geographically restricted populations throughout the Luzon Island complex.

New species of *Garthiella* from the Philippines. A new species of the previously monotypic xanthid crab genus *Garthiella* Titgen (1986) is described from the Bohol Sea. This is the first record of the genus in the country. *Garthiella sikatuna*, a new species, can be distinguished by its flatter, less granular carapace, more pronounced and curved anterolateral teeth, longer ambulatory legs and more slender male first gonopods.

Two new species of *Ovitamon* from Panay and Mindoro. Two new species of the potamid freshwater crab of the genus *Ovitamon* Ng & Takeda (1992) are described from the islands of Mindoro and Panay. These two species can be easily distinguished by the form of the carapace, and the structures of the male first gonopod. Six species of *Ovitamon* are now known from islands in central and western Philippines.



Research & projects

FAUNAL SURVEY IN BATANES PROVINCE

Crustaceans • Mollusks • Echinoderms • Insects • Birds
• Bats and rodents • Reptiles and amphibians • Fish •
Polychaetes • Sponges.

Species inventory • Taxonomic identification • Biodiversity
and conservation mapping • Specimen collection.

MARINE AND TERRESTRIAL FAUNA OF ALABAT ISLAND, QUEZON PROVINCE

Fieldwork

CANDABA, PAMPANGA

February 10, 2012 • Site reconnaissance for the Candaba
Swamp Nature Walk • V. S. Palpal-Iatoc and R. C. Urriza.

April 17-20, 2012 • Resource speakers for the Candaba
Swamp Nature Walk • V. U. Samarita, D. T. Dumale, R.
C. Urriza and J. E. B. Comendador.

BALER AND DIPACULAO, AURORA PROVINCE

March 14-31, 2012 • Survey and collection of Decapod and
Stomatopod crustaceans • M. R. M. Santos, A. M. SP.
Domingo and P. A. Comintan.

DIPACULAO, AURORA PROVINCE

March 14-April 2, 2012 • Survey and collection of insect
fauna • V. U. Samarita and A. G. Andalis.

DINALUNGAN, AURORA PROVINCE

March 21-April 5, 2012 • Survey and collection of
echinoderms • Z. D. Salazar and E. U. Mendoza.

DINGALAN, AURORA PROVINCE

March 31-April 12, 2012 • Survey and collection of shell
specimens • V. D. Ang and P. B. Ambal.

SUAL, PANGASINAN

April 19-21, 2012 • Survey and collection of marine
specimens • P. A. Comintan.

LEGAZPI, ALBAY

April 22-29, 2012 • Survey and collection of freshwater
specimens • P. A. Comintan.

DASMARINAS, CAVITE

May 10-14, 2012 • Collection of bird specimens,
particularly the yellow-vented bulbul • R. C. Urriza and
A. G. Andalis.

Crustaceans • Mollusks • Echinoderms • Insects • Birds
• Chiropterans • Reptiles and amphibians • Fish •
Polychaetes • Corals.

MARINE AND TERRESTRIAL FAUNA OF AURORA PROVINCE

Crustaceans • Mollusks • Echinoderms • Insects • Birds •
Reptiles and amphibians • Fish • Polychaetes • Corals.

ANTIPOLO, RIZAL

May 29-June 2, 2012 • Collection of natural history
specimens • R. C. Urriza.

PAGBILAO, QUEZON PROVINCE

May 31-June 6, 2012 • Collection and monitoring of
arthropods • V. U. Samarita and P. B. Ambal.

BATANES PROVINCE

July 27-August 12, 2012 • Survey and collection of
crustacean specimens • M. R. M. Santos.

October 27-November 14, 2012 • Survey and collection of
arthropod, mollusk and echinoderm specimens • V. U.
Samarita, Z. D. Salazar and V. D. Ang.

SIOCON, ZAMBOANGA DEL NORTE

September 9-14, 2012 • Collection of zoological specimens
• D. T. Dumale.

PASONANCA NATURAL PARK, ZAMBOANGA CITY

September 21-October 6, 2012 • Survey and collection of
birds and other terrestrial specimens, in collaboration
with the zoological team headed by Dr. Rafe Brown of
Kansas University • R. C. Urriza.

VILLANUEVA, MISAMIS ORIENTAL

October 5-7, 2012 • Survey and collection of fish
specimens • D. T. Dumale.

CORON, PALAWAN

October 17-21, 2012 • Survey and assessment of coral
reefs and marine life; collection of marine fauna
specimens • J. E. B. Comendador and P. A. Comintan.

NM ZAMBOANGA, ZAMBOANGA CITY

November 27-December 16, 2012 • Dismantling of
exhibition; treatment, packing and storage of
specimens in preparation for the retrofitting and
renovation of the NM facility • M. R. M. Santos, Z. D.
Salazar, P. A. Comintan and A. G. Andalis.

Collections management

Identified • 20,703 specimens

Donated • 21 specimens

Accessioned/Collected • 3,750 specimens

Illustrated • 159 specimens

Maintained • 113,508 specimens

Publications and presentations

PEER-REVIEWED ARTICLES IN ISI JOURNALS

- Alcala, A. C., A. A. Bucol, **A. C. Diesmos**, and R. M. Brown. 2012. Vulnerability of Philippine amphibians to climate change. *Philippine Journal of Science* 141 (1): 77–87.
- Brown, R. M., **A. C. Diesmos**, M. B. Sanguila, C. D. Siler, M. L. L. Diesmos, and A. C. Alcala. 2012. Amphibian conservation in the Philippines. *Froglog* 104: 40–43.
- Brown, R. M., C. H. Oliveros, C. D. Siler, J. B. Fernandez, L. J. Welton, P. A. C. Buenavente, M. L. L. Diesmos, and **A. C. Diesmos**. Amphibians and reptiles of Luzon Island (Philippines) VII: Herpetofauna of Ilocos Norte Province, northern Cordillera mountain range. *Check List* 8 (3):469–490.
- Diesmos, A. C.**, J. R. Buskirk, S. Schoppe, M. L. L. Diesmos, E. Sy, and R. M. Brown. 2012. *Siebenrockiella leytensis* (Taylor 1920)—Palawan Forest Turtle, Philippine Forest Turtle. In Rhodin, A. G. J., Pritchard, P. C. H., van Dijk, P. P., Saumure, R. A., Buhlmann, K. A., Iverson, J. B., and Mittermeier, R. A. (Editors). *Conservation Biology of Freshwater Turtles and Tortoises: A Compilation Project of the IUCN/SSC Tortoise and Freshwater Turtle Specialist Group*. Chelonian Research Monographs 5: 066.1-066.9. doi:10.3854/crm.5.066.leytensis. v1.2012, <http://www.iucn-tftsg.org/cbftt/>.
- Diesmos, A. C.** 2012. The status of Philippine caecilians (Amphibia: Ichthyophiidae). *Froglog* 104: 46–47.
- Diesmos, M. L. L., **A. C. Diesmos**, C. D. Siler, V. T. Vredenburg, and R. M. Brown. 2012. Detecting the distribution of the chytrid fungus in the Philippines. *Froglog* 104:48–49.
- Komatsu, H., **M. R. Manuel-Santos** & P. K. L. Ng 2012. *Ebalia takedai*, new species of leucosiid crab (Decapoda, Brachyura) from Panglao, Philippines, In: H. Kamatsu, J. Okuno & K. Fukuoka (eds), *Studies on Eumalacostraca: A Homage to Masatsume Takeda*. Crustacean Monographs, vd. 17: 155 – 162, Brill, Leiden.
- Laurance, W. F., D. Carolina Useche, J. Rendeiro, M. Kalka, C. J. A. Bradshaw, S. P. Sloan, S. G. Laurance, M. Campbell, K. Abernethy, P. Alvarez, V. Arroyo-Rodriguez, P. Ashton, J. Benitez-Malvido, A. Blom, K. S. Bobo, C. H. Cannon, M. Cao, R. Carroll, C. Chapman, R. Coates, M. Cords, F. Danielsen, B. De Dijn, E. Dinerstein, M. A. Donnelly, D. Edwards, F. Edwards, N. Farwig, P. Fashing, P.-M. Forget, M. Foster, G. Gale, D. Harris, R. Harrison, J. Hart, S. Karpanty, W. John Kress, J. Krishnaswamy, W. Logsdon, J. Lovett, W. Magnusson, F. Maisels, A. R. Marshall, D. McClearn, D. Mudappa, M. R. Nielsen, R. Pearson, N. Pitman, J. van der Ploeg, A. Plumptre, J. Poulsen, M. Quesada, H. Rainey, D. Robinson, C. Roetgers, F. Rovero, F. Scatena, C. Schulze, D. Sheil, T. Struhsaker, J. Terborgh, D. Thomas, R. Timm, J. Nicolas Urbina-Cardona, K. Vasudevan, S. Joseph Wright, J. Carlos Arias-G, L. Arroyo, M. Ashton, P. Auzel, D. Babaasa, F. Babweteera, P. Baker, O. Banki, M. Bass, I. Bila-Isia, S. Blake, W. Brockelman, N. Brokaw, C. A. Bruhl, S. Bunyavejchewin, J.-T. Chao, J. Chave, R. Chellam, C. J. Clark, J. Clavijo, R. Congdon, R. Corlett, H. S. Dattaraja, C. Dave, G. Davies, B. de Mello Beisiegel, R. d. Nazare Paes da Silva, A. Di Fiore, **A. Diesmos**, R. Dirzo, D. Doran-Sheehy, M. Eaton, L. Emmons, A. Estrada, C. Ewango, L. Fedigan, F. Feer, B. Fruth, J. Giacalone Willis, U. Goodale, S. Goodman, J. C. Guix, P. Guthiga, W. Haber, K. Hamer, I. Herbing, J. Hill, Z. Huang, I. Fang Sun, K. Ickes, A. Itoh, N. Ivanauskas, B. Jackes, J. Janovec, D. Janzen, M. Jiangming, C. Jin, T. Jones, H. Justiniano, E. Kalko, A. Kasangaki, T. Killeen, H.-b. King, E. Klop, C. Knott, I. Kone, E. Kudavidanage, J. Lahoz da Silva Ribeiro, J. Lattke, R. Laval, R. Lawton, M. Leal, M. Leighton, M. Lentino, C. Leonel, J. Lindsell, L. Ling-Ling, K. Eduard Linsenmair, E. Losos, A. Lugo, J. Lwanga, A. L. Mack, M. Martins, W. Scott McGraw, R. McNab, L. Montag, J. Myers Thompson, J. Nabe-Nielsen, M. Nakagawa, S. Nepal, M. Norconk, V. Novotny, S. O'Donnell, M. Opiang, P. Ouboter, K. Parker, N. Parthasarathy, K. Pisciotto, D. Prawiradilaga, C. Pringle, S. Rajathurai, U. Reichard, G. Reinartz, K. Renton, G. Reynolds, V. Reynolds, E. Riley, M.-O. Rodel, J. Rothman, P. Round, S. Sakai, T. Sanaiotti, T. Savini, G. Schaab, J. Seidensticker, A. Siaka, M. R. Silman, T. B. Smith, S. S. d. Almeida, N. Sodhi, C. Stanford, K. Stewart, E. Stokes, K. E. Stoner, R. Sukumar, M. Surbeck, M. Tobler, T. Tschernitz, A. Turkalo, G. Umapathy, M. van Weerd, J. Vega Rivera, M. Venkataraman, L. Venn, C. Vere, C. Volkmer de Castilho, M. Waltert, B. Wang, D. Watts, W. Weber, P. West, D. Whitacre, K. Whitney, D. Wilkie, S. Williams, D. D. Wright, P. Wright, L. Xiankai, P. Yonzon, and F. Zamzani. 2012. Averting biodiversity collapse in tropical forest protected areas. *Nature*. doi:10.1038/nature11318.
- Mendoza, J. C. and **M. Manuel-Santos**. 2012. Revision of *Garthiella* Titgen, 1986 (Crustacea: Decapoda: Brachyura: Xanthidae), with description of a new subfamily and a new species from the central Philippines. *Zootaxa* 3446: 32-48 (30 August 2012).
- Scheffer, B. R., R. T. Corlett, **A. Diesmos**, and W. F. Laurance. 2012. Local demand drives a bushmeat industry in a Philippine forest reserve. *Tropical Conservation Science* 5(2): 133–141.
- Sharma, P. P., P. C. Buenavente, R. M. Clouse, **A. C. Diesmos**, and G. Giribet. 2012. Forgotten gods: Zalmoxidae of the Philippines and Borneo (Opiliones: Laniatores). *Zootaxa* 3280: 29–55.
- Siler, C. D., R. M. Jones, **A. C. Diesmos**, M. L. Diesmos, and R. M. Brown. 2012. Phylogeny-based species delimitation in Philippine slender skinks (Reptilia: Squamata: Scincidae) III: Taxonomic revision of the *Brachymeles gracilis* complex, with descriptions of three new species. *Herpetological Monographs* 26: 135–172.

Siler, C. D., J. R. Oaks, C. W. Linkem, J. Swab, **A. C. Diesmos**, and R. M. Brown. 2012. Did geckos ride the Palawan raft to the Philippines? *Journal of Biogeography* DOI:10.1111/j.1365-2699.2011.02680.

Siler, C. D., J. C. Swab, C. H. Oliveros, **A. C. Diesmos**, L. Averia, A. C. Alcala, and R. M. Brown. 2012. Amphibians and reptiles, Romblon Island Group, central Philippines: Comprehensive herpetofaunal inventory. *Check List* 8(3): 443–462.

Spinks, P. Q., R. C. Thomson, B. Hughes, B. Moxley, R. M. Brown, **A. C. Diesmos**, and H. B. Shaffer. 2012. Cryptic variation and the tragedy of unrecognized taxa: The case of international trade in the spiny turtle *Heosemys spinosa* (Testudines: Geoemydidae). *Zoological Journal of the Linnean Society* 164: 811–824.

DRAFT MANUSCRIPTS FOR PUBLICATION

Polychaete fauna of Bicol • V. S. Palpal-latoc

Techniques in the collection and preservation of marine organisms • V. S. Palpal-latoc

Hearst Expedition crustaceans • Identification and writing, 91% completed • M. R. M. Santos

Aurora Province crustaceans • Identification of collected materials, 25% completed • M. R. M. Santos

Checklist of Philippine Decapod and Stomatopod crustaceans • Identification and writing, 62% completed • M. R. M. Santos

Crustaceans of Alabat Island • M. R. M. Santos

Freshwater crabs • Identification and writing, 10% completed • M. R. M. Santos

Freshwater crabs, Part 2 • Completed, submitted for peer-review (P. Ng, Raffles Museum, Singapore) • M. R. M. Santos

Ant fauna of the Philippines: Collection, preservation and identification • V. U. Samarita

Taxonomy of corals • Ongoing • R. C. Rivera

Sea shells of Verde Island, Batangas • V. D. Ang

POPULAR ARTICLES

Echinoderms • Z. D. Salazar

Philippine falconet *Microhierax erythrogenys*: The Philippines' smallest bird of prey • R. C. Urriza

Venus flower basket • J. E. B. Comendador

The golden cowrie • V. D. Ang

Squidworm • V. S. Palpal-latoc

Swimming worm • V. S. Palpal-latoc

Tampon, G. P., O. N. Nuñez, and **A. C. Diesmos**. 2012. Biocoustic analysis of advertisement calls of two ground-frogs of the genus *Platymantis* in Mount Magdiwata, San Francisco, Agusan Del Sur, Philippines. *International Journal of Biodiversity and Conservation* 4(7): 277–286. DOI:10.5897/IJBC11.261.

Welton, L. J., C. D. Siler, **A. C. Diesmos**, M. L. Diesmos, R. D. Lagat, R. M. Causaren, and R. M. Brown. 2012. Genetic identity, geographic ranges, and major distribution records for frugivorous monitor lizards of Luzon Island, Philippines. *Herpetological Review* 43(2): 226–230.

Survey and collection of echinoderm fauna of Aurora Province • Z. D. Salazar

Birds of Aurora Province • 95% completed • R. C. Urriza

Birds of Angat Watershed • 95% completed • R. C. Urriza

Birds of Siargao Island • R. C. Urriza

Birds of Alabat Island • 70% completed • R. C. Urriza

Birds of Lubang Island • 10% completed • R. C. Urriza

Fishes of Alabat Island, Quezon Province • D. T. Dumale

Fishes of Aurora • D. T. Dumale

Phylogeography of *Pteropus* bats in the Philippines • In collaboration with the City College of New York and the American Museum of Natural History • M. J. S. Veluz

Mammals of Siargao Island • M. J. S. Veluz

Bats of Alabat Island • 15% completed • M. J. S. Veluz

Vertebrate fauna of Angat Watershed • M. J. S. Veluz

The small mammals of Mt. Banahaw, San Cristobal National Park, Luzon, Philippines: Elevational distribution and ecology of a highly endemic fauna • M. J. S. Veluz

Fireworm • V. S. Palpal-latoc

For the love of ants • P. A. C. Buenavente

Swellshark • D. T. Dumale

Cloud rat • M. J. S. Veluz

Coconut crab • M. R. M. Santos

Petaloid crab • M. R. M. Santos

Reef builders • R. C. Rivera

Presentations in conferences, symposia & annual meetings

9TH INTERNATIONAL CONFERENCE ON PHILIPPINE STUDIES

Michigan State University, East Lansing, Michigan • Invited speaker • A. C. Diesmos.

Technical assistance

Zoological species identification and taxonomic classification • Government agencies and biology students from different schools

Thesis consultation and advising • Students from different colleges and universities

Impact assessments and surveys on marine fauna
• Government agencies, private individuals and organizations

Specimen loans and scientific photography • Local and foreign individuals and organizations

Specimen preservation methods and techniques • Local state colleges and universities, individuals and organizations

On-the-job trainings • Biology students from different colleges and universities

Consultation on exporting process of animal skin products
• Private individual

Lectures

SPECIMEN PRESERVATION

February 26-29, 2012 • Fr. Saturnino Urios University, Butuan City • M. J. S. Veluz and R. C. Urriza.

CRUSTACEAN COLLECTION, PRESERVATION AND IDENTIFICATION

Students from different colleges and universities • M. R. M. Santos.

BIRD ECOLOGY, BIRDWATCHING AND PRESERVATION TECHNIQUES

Students from different colleges and universities • R. C. Urriza.

POLYCHAETE TAXONOMY

Students from different colleges and universities • V. S. Palpal-latoc.

SPONGE COLLECTION AND PRESERVATION

Students from different colleges and universities • J. E. B. Comendador.

INSECT COLLECTION AND PRESERVATION

Students from different colleges and universities • V. U. Samarita and P. A. C. Buenavente.

MOLLUSK COLLECTION AND PRESERVATION

Students from different colleges and universities • V. D. Ang.

VERTEBRATE TAXIDERMY

February 26-29, 2012 • Fatima University, Butuan City • M. J. S. Veluz.

HEARST EXPEDITION

February 9, 2012 • UP Diliman • D. T. Dumale.

ECHO-SEMINAR ON 2011 PHILIPPINE BIODIVERSITY HEARST EXPEDITION

September 30, 2012 • GF, Reception Hall, NAG • D. T. Dumale.

ECHO-SEMINAR ON NEW DISCOVERIES OF PHILIPPINE BIRDS

October 27, 2012 • GF, Reception Hall, NAG • R. C. Urriza.

ECHO-SEMINAR ON PHOTOGRAPHY

October, 2012 • GF, Reception Hall, NAG • A. M. SP. Domingo.

CRUSTACEANS DISCOVERIES OF THE DECADE

March 8, 2012 • 4F, Tambunting Hall, MFP • M. R. M. Santos.

NEW DISCOVERIES

March 8, 2012 • 4F, Tambunting Hall, MFP • A. C. Diesmos.

Exhibition assistance

PHILIPPINE-SPANISH FRIENDSHIP DAY

June 23-30, 2012 • Museo de Baler, Baler, Aurora Province
• A. M. SP. Domingo.

Peer-reviewed articles

The morphometrics of *Potamon fluviatile* in Italy.
Crustaceana Journal • M. R. M. Santos.

Technical working groups

UNESCO NATIONAL COMMITTEE ON MARINE SCIENCES

June 11, 2012 • 4F, Tambunting Hall, MFP • M. R. M. Santos.

ENVIRONMENTAL SCIENTISTS MEETING

January 20, 2012 • AECOM, Bonifacio Global City, Taguig • M. R. M. Santos.

21ST WORKING MEETING OF THE IUCN-SSC CROCODILE SPECIALIST GROUP

In collaboration with *Crocodylus porosus* Philippines, Inc.
• 4F, Tambunting Hall, MFP • A. C. Diesmos, A. M. SP. Domingo, M. J. S. Veluz and R. C. Urriza.

21ST ANNUAL PHILIPPINE BIODIVERSITY SYMPOSIUM

In collaboration with the Wildlife Conservation Society of the Philippines • 4F, Tambunting Hall, MFP • A. C. Diesmos.

Potential collaborations

V. U. Samarita • City College of New York on Entomology

M. R. M. Santos • University of Guam and the National Geographic Society on Hermit Crabs • Ateneo de Manila University for a Crustacean Seminar-Workshop • Agham Partylist on SPECTRUM Interactive Museum

R. C. Urriza • DENR on LPPCHEA • University of Alaska Museum • Haribon Philippines • Wildbird Club of the Philippines

P. A. C. Buenavente • ERD-DENR on inventory of terrestrial fauna in UPLB Makiling

V. S. Palpal-latoc • Newcastle University, Ateneo de Manila University and Haribon Philippines on the Darwin Initiative Project

Interviews

BARN SWALLOWS IN ALABANG

GMA 7 • R. C. Urriza.

EARTH DAY CELEBRATION: HEARST EXPEDITION

Aired April 22, 2012 • Story Teller International and ABS-CBN • M. R. M. Santos.

ENDANGERED ANIMALS NA KINAKAIN

GMA 7 • V. S. Palpal-latoc.

FIREFLIES OF DONSOL

TV 5 • V. U. Samarita.

BIRD EGGS

ABS-CBN Matang Lawin • R. C. Urriza.

ANG PINAKA-KAKAIBANG MATING BEHAVIOR NG ANIMALS, PART II

GMA News TV • M. R. M. Santos.

Access to mollusk specimens (V. D. Ang) • Tour of the NM Zoological Collections (V. S. Palpal-latoc) • WWF-Philippines on the environment (M. R. M. Santos)

Schools & institutions served

SCHOOLS

Adamson University • Angeles University • Ateneo de Manila University • Aurora State College of Technology • Bicol University • Bulacan State University • Cavite National Science High School • Cebu Normal University • Central Luzon State University • Centro Escolar University • City College of Manila • Colegio de San Gabriel Archangel • De La Salle University Lipa • Far Eastern University • Global Reciprocal College • Imus Institute • Isabela State University • Lyceum of the Philippines University • Manila Central University • Mindanao State University Iligan • Mindanao State University Tawi-Tawi • Our Lady of Fatima University • Pamantasan ng Lunsod ng Maynila • Pasig City Science High School • Philippine Normal University • Polytechnic University of the Philippines • Ramon Magsaysay High School • Southern Luzon State University • St. Louis University • Technological University of the Philippines • University of Eastern Philippines • UP Diliman • UPLB • UP Manila • UP Mindanao • University of Rizal System • University of Santo Tomas

GOVERNMENT AGENCIES AND ORGANIZATIONS

Bureau of Fisheries and Aquatic Resources Region IV • Bangko Sentral ng Pilipinas • UPLB MENRM • Research Institute for Tropical Medicine • Philkairos • AECOM

INDIVIDUALS

Dr. Maren Gaulke • Ms. Jennifer Pano, Cebu

Personnel development

**NATIONAL RESEARCH COUNCIL OF THE PHILIPPINES
GENERAL ASSEMBLY AND SCIENTIFIC CONFERENCE**
March 6-7, 2012 • Sofitel, Makati City • A. C. Diesmos.

**AMPHIBIAN CONSERVATION NEEDS ASSESSMENT
WORKSHOP**

March 26-30, 2012 • Amphibian Park, Hanoi, Vietnam • A. C. Diesmos.

CONSERVATION LEADERSHIP PROGRAM

April 11-15, 2012 • MFP • Organized by the Flora and Fauna International, Asian Institute of Management and the International Institute for Rural Reconstruction • A. C. Diesmos.

**21ST ANNUAL PHILIPPINE BIODIVERSITY
SYMPOSIUM**

April 17, 2012 • 4F, Tambunting Hall, MFP • NM Zoology staff.

DOST i-SCHOOL PROJECT: NM DIGITIZATION

July 19, 2012 • National Computer Center, UP Diliman • A. M. SP. Domingo

**4TH PHILIPPINE ASSOCIATION OF CAREER
SCIENTISTS ANNUAL MEETING AND SCIENTIFIC
SYMPOSIUM ON ROBOTICS FOR PHILIPPINE
SOCIETY**

October 5, 2012 • 3F, NAG • M. R. M. Santos.

**INTERNATIONAL TRAINING COURSE ON
SUSTAINABLE USE AND CONSERVATION OF MARINE
ECOSYSTEM: SURVEY TECHNIQUES FOR MARINE
MAMMALS**

October 21-27, 2012 • Phuket Marine Biological Center, Phuket, Thailand • M. J. S. Veluz.

SCUBA INSTRUCTORSHIP COURSE

February 2-7, 2012 • Subic Bay, Zambales • D. T. Dumale and J. E. B. Comendador.

BIODIVERSITY CLEARING-HOUSE MECHANISM

R. C. Urriza.

**EXHIBITIONS DEVELOPMENT WORKSHOPS FOR THE
NMNH**

DOT Building • A. C. Diesmos, A. M. SP. Domingo, V. S. Palpal-latoc, M. R. M. Santos, M. J. S. Veluz.



ANTHROPOLOGY DIVISION

Highlights

Creation of a general file structure of the NM

Anthropology Collection. The Anthropology Division has Catalogue Number/Accession File, Loan File, Exhibition File and Location File of approximately 9,500 ethnographic materials from 50 ethnolinguistic groups in its collection. Additional files have been added to the general file structure: Object Catalogue File, Provenance File, Photograph/Negative/Slide File, Condition File, Research File, Collector's File and Collection Data File.

Collection documentation and exhibition setup at

the NM Kabayan in Benguet. Records of the Ibaloi ethnographical materials at the Kabayan Branch of the NM were updated in preparation for the recuration of the exhibition galleries. Objects were selected and texts also prepared for the new exhibitions.



Research & projects

REVISION OF THE CATALOG FILE SYSTEM OF THE NM ANTHROPOLOGY COLLECTION

Integration of the following data groups into the existing catalog file system • Object catalog; provenance, photography/negative/slide; condition; conservation; research; collector; collection data.

Updating of the data files of each object in the collection.

ST. LOUIS WORLD EXPOSITION COLLECTION

Verification of the list with the objects present in the collection storage

Fieldwork

TIMBAC, KABAYAN, BENGUET

March 12-19, 2012 • In collaboration with the NM Archaeology Division • mapping of the coffins in 2 rock shelters; inventory of the coffins, mummified and skeletonized remains; age and sex estimation of the remains, when possible; initial observation and documentation of pathological conditions and cultural modifications, such as tattoos; photo documentation of the human remains, grave goods and other associated material culture • M. M. P. Tauro.

MULANAY, QUEZON PROVINCE

March 27-30, 2012 • Ocular inspection of site; initial meetings with local officials regarding a project on

cultural mapping; initial survey of the Mulanay heritage resources • C. A. Santos.

NM KABAYAN, BENGUET

November 30-December 7, 2012 • Physical inventory and photodocumentation of the ethnographic collection; accessioned, catalogued and assessed condition of acquisitions from 2009; condition assessment and mechanical cleaning of the ethnographic and archival collection; preparation of photos and labels for exhibition • M. M. P. Tauro, C. A. Santos and J. Mercader.

Exhibitions

HIBLA NG LAHING FILIPINO TEXTILE GALLERY

Selection of ethnographic materials, mostly textiles, based on the thematic concept of the exhibition • Fiber source and weaving center summary shown on maps • M. M. P. Tauro, C. A. Santos, J. Faustino, D. Zapata, R. Sotto, R. Benitez and J. Tiu.

NM KABAYAN, BENGUET

Selection of objects for display • Text and label preparation • M. M. P. Tauro, C. A. Santos and J. Mercader.

BAYBAYIN EXHIBIT

Finalized the Hanunuo-Buhid and Tagbanua Pala'wan exhibition text • Prepared the labels of the selected ethnographic specimens • M. M. P. Tauro.

Collections management

Identified • 321 objects
Maintained • 6,445 objects

Digitized image collection • 3,785 slides, negatives and photographs

Publications

MANUSCRIPTS SUBMITTED FOR PUBLICATION

Panday (Blacksmith / metal craft making) • Batanes Province • Santa, Ilocos Sur • Apalit, Pampanga • National Commission for Culture and the Arts (NCCA) - Korea Publications • A. C. Barbosa.

Weaving • *Salakot* (Hat) in Itbayat, Batanes Province • *Tikog* (Mat) in Basey, Samar • *Pagtaytay* (Mat) among the Higaonon of Bukidnon • *Sapyay* (Rattan mat) of

Zamboanga del Sur • *Tepo* (Mat) of Tandubas, Tawi-tawi • NCCA - Korea Publications • A. C. Barbosa.

Textile embroidery • *Patda* in Kapangan, Benguet • *Mah'mani* of the Subanen of Zamboanga del Sur • NCCA - Korea Publications • A. C. Barbosa.

Bulad (Dried fish production) in Leyte and Samar • A. C. Barbosa.

Technical assistance

Assisted researchers, visitors and students • Army Museum, De La Salle University, Philippine Science High School, National Commission on Indigenous Peoples, NCCA and the NGO Tribal Center Development

Assisted the NM Cultural Properties Division

Lectures

RE-ECHO SEMINAR OF THE ASEAN YOUTH CAMP IN BORUBUDUR, INDONESIA

January 26, 2012 • GF, Reception Hall, NAG • C. A. Santos.

PLANNING AND DESIGNING SIMPLE MUSEUM EXHIBITS

March 13-17, 2012 • Bacolod City, Negros Oriental • A. C. Barbosa.

RE-ECHO SEMINAR ON THE ISLAMIC ARTS OF SOUTHEAST ASIA

August 30, 2012 • GF, Reception Hall, NAG • M. P. Tauro.

Technical expertise

GAWAD SA MANLIKHA NG BAYAN (GAMABA)

AdHoc Panel of Experts Search Committee member • A. C. Barbosa.

SELECTED FUNERAL PRACTICES IN THE PHILIPPINES AND ELSEWHERE

November 8, 2012 • 2F, Marble Hall, MFP • A. C. Barbosa.

PANATA OR VOW: PAGSUSUNOG NG PUPUWA IN GASAN, MARINDUQUE DURING THE SEASON OF LENT

September 28, 2012 • GF, Reception Hall, NAG • F. M. Estadilla.

Personnel development

WORKSHOP ON ISLAMIC ARTS IN SOUTHEAST ASIA

February 20-24, 2012 • Kuala Lumpur, Malaysia • Initiated by the SEAMEO-SPAFA • M. P. Tauro.

DOST i-SCHOOL PROJECT: NM DIGITIZATION

July 19, 2012 • National Computer Center, UP Diliman • C. A. Santos.

SCIENCE AND TECHNOLOGY FOR ART (START) 2012

September 4-7, 2012 • Education Training Program for Recording and Conservation of Tangible and Intangible National and International Cultural Heritage • University of Santo Tomas, España, Manila • J. D. Mercader.

TILAMSIK NG LIWANAG

May 2012 • NCCA • Organized by the NCCA • J. D. Mercader.



ARCHAEOLOGY DIVISION

Highlights

Scarborough Shoal underwater archaeological project.

On this fourth season of the project, the preliminary target was the significant magnetic anomaly that could be part of the ship cargo as well as the area where surface collection of ceramics were recovered. In collaboration with the Far Eastern Foundation for Nautical Archaeology, nine excavation squares were opened which further yielded cultural materials including celadon bowls and plates, globular stoneware jars and vases, metal rings, Chinese coins, bronze gongs and granite anchors.

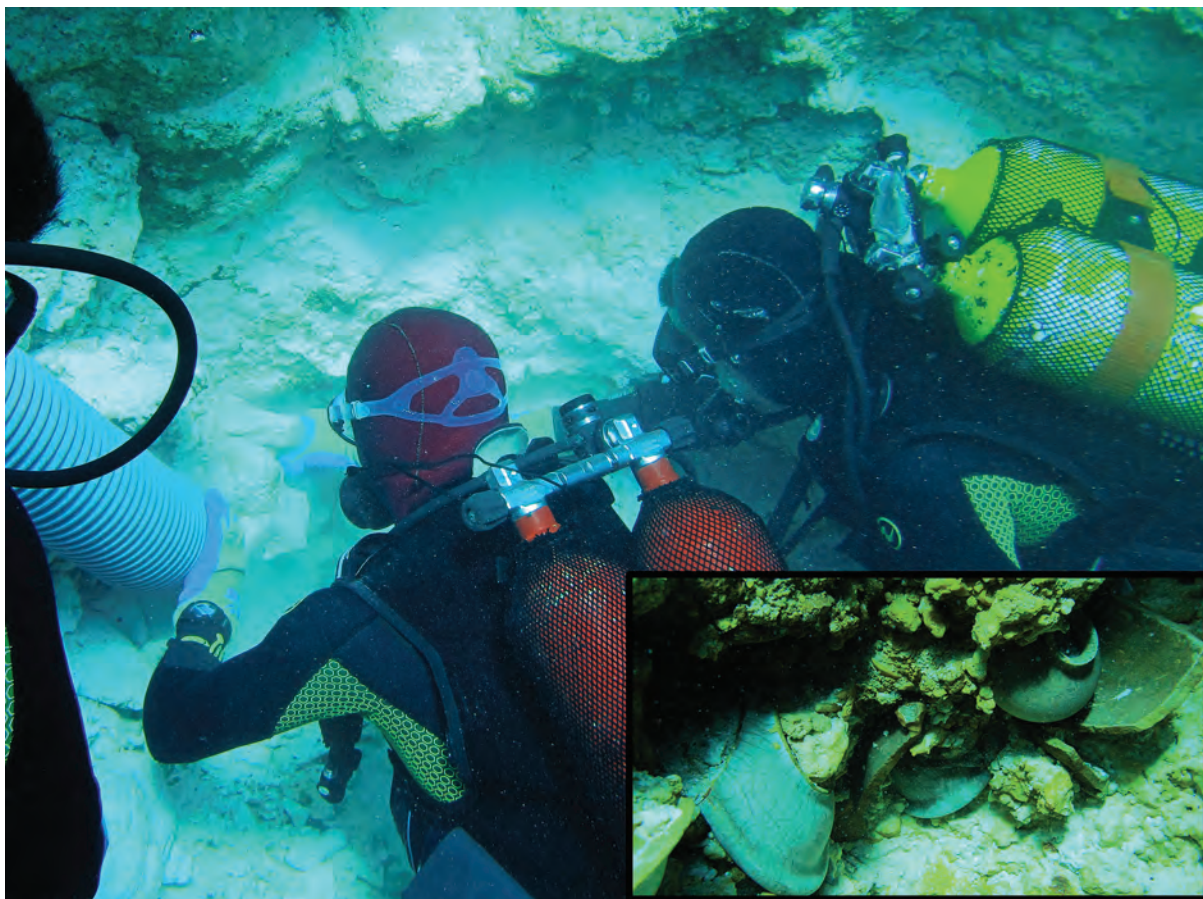
Archaeological excavation of Butuan boats in Barangay Libertad, Butuan City.

As a continuation of the Reviving the Legacy of the Butuan Boats Project, funded by the National Commission on Culture and the Arts (NCCA), archaeological teams excavated the previously identified sites in Libertad between May to June. Two different boats were recovered—one with a lug on the keel plank, carved as one long straight protrusion; one without lugs. Kaong fibers, or cabo negro, used as... were also recovered from the site. In coordination with the City Government of Butuan, the site remains open for the public to view.

Bacong archaeological project. The third phase of the project was conducted between May to June at the Yucor property site in Barangay Magsuhot. Pottery assemblages with associated metal implements were recovered from the site, strengthening the previous assumption that the site may have been used ritually during the Metal Age, with the seemingly intentionally arranged positions of the pottery in the assemblages. Test excavations were also conducted in around 50 sites for presence of materials indicative of early habitation and settlement. Palaeosol deposits, possible evidence for ancient mangroves were found beneath a pyroclastic layer in Barangay Balayagmanok.

The three seasons of systematic excavations in Bacong, Negros Oriental resulted in the recovery of earthenware jars and vessels. Morphological and metrical classification and analyses were conducted, followed by the scientific illustration and restoration of the pieces. Data was placed in a database developed from the Microsoft Access software. The vessels were cooked using low fire, and some have traces of red slipping.

The reconstruction and reproduction of the earthenware coffin recovered in April 2010 was completed in October 2012.



Research & projects

SHIPWRECK SITE IN ROXAS CITY, CAPIZ

Initial investigation and survey of the reported shipwreck site off coast of Barangay Culasi, Roxas City • Ship remains include bulheads that is characteristic of a typical Chinese ship • Broken ceramic and stoneware pieces, and metals • Heavily looted • Probably dates back to around early 19th century.

SCARBOROUGH SHOAL UNDERWATER ARCHAEOLOGICAL PROJECT

4th season, in collaboration with the Far Eastern Foundation for Nautical Archaeology • Excavation of Site SS4, discovered in 2011 • Preliminary target is the identification of the source of a significant magnetic anomaly that could be part of the ship's cargo • Nine excavation squares were opened which yielded ceramic and stoneware pieces, metals, coins, and unidentified metal concretions and granite anchors • Prematurely terminated due to the growing tension between the Philippines and China over ownership of the site.

ARCHAEOLOGICAL EXCAVATION OF BUTUAN BOATS

Grant from the NCCA • Excavation of previously identified wooden boat sites • Two boats were exposed, the first of which consists of a lug on the keel plank, while the second has no lug • Kaong fibers, or cabo negro, were also recovered • Site remains open for public viewing, in coordination with the City Government of Butuan.

THE BACONG ARCHAEOLOGICAL PROJECT

3rd phase of further systematic excavations at the Yucor Property in Barangay Magsuhot, Bacong, Negros Oriental • Pottery assemblages were revealed, along with carefully placed and arranged metal implements with unique morphology • Strengthens the assumption that the site was used during rituals

Test excavations in other sites around Bacong municipality • Palaeosol deposits, indicative of ancient mangrove materials, were found under a pyroclastic layer • For further systematic excavations.

ARCHAEOLOGY AND RESTORATION OF THE BACONG EARTHENWARE VESSELS

Metric and morphological analysis of earthenware potteries • Restoration of selected vessels • Photodocumentation and scientific illustrations • Database of archaeometrical and other associated data.

RECONSTRUCTION AND REPRODUCTION OF THE BACONG EARTHENWARE COFFIN

Complete restoration of the earthenware coffin recovered during the April 2010 field season • Replicated the restored coffin through molding.

NM ARCHAEOLOGY RECORDS DIGITIZATION AND ESTABLISHMENT OF A DATABASE SYSTEM

Scanning of archaeological field reports, specimen inventory records, topographic maps, photo files and other manuscripts • 56.9% of the specimen inventory records from Regions I to X have been linked to the site list database • 8% of the slides have been scanned • 97.5% of the field reports have been scanned, catalogued and indexed • 85% of the rest of the manuscripts have been scanned and placed on the inventory database.

TIMBAC, KABAYAN, BENGUET

Two field seasons which were devoted to the identification of the wooden coffins, site mapping and documentation of the coffins and the associated materials • In collaboration with the NM Anthropology Division.

MAINTENANCE OF THE ZOOARCHAEOLOGY SECTION

Identification of the faunal and human remains from the different archaeological sites • Encoding and updating of the reference collection records • Transfer of the collection to the permanent open storage.

MAINTENANCE OF THE COLLECTIONS

Cleaning, sorting, identification, accessioning, labelling and storing the artifacts from the archaeological sites • Inventory of the holdings • Preparation of the racks and pedestals for the collection at the designated open storage rooms • Transfer of the collection to the permanent open storage.

Collections management

Continued identification of faunal and human remains in the Zooarchaeology Collection • Encoding and updating of the zooarchaeology reference collection

Maintenance of archaeological material culture • Basic restoration work and photodocumentation of selected materials

Transfer of the collection to a centralized open storage area at the NAG

Acquired • 5,136

Identified • 49,144

Photographed • 1,140

Scientific illustrations • 102

Reproduced/replicated • 10

Maintained • 386,182

Fieldwork

TIMBAC, KABAYAN, BENGUET

January 30 - February 6 • March 12-19, 2012 • In collaboration with the NM Anthropology Division • mapping of the coffins in 2 rock shelters; inventory of the coffins; photo documentation of the human remains, grave goods and other associated material culture • A. Garong, J. Santiago, D. Posadas.

ROXAS CITY, CAPIZ

February 24-28, 2012 • Site reconnaissance off Barangay Culasi • B. Orillaneda, L. S. P. Lacsina.

SCARBOROUGH SHOAL, ZAMBALES

March 26 - May 8, 2012; prematurely terminated, April 24 • Nine excavation squares opened which yielded artifacts including ceramic and stoneware pieces, metals, coins, and unidentified metal concretions and granite anchors • B. Orillaneda, A. V. Soriano.

BUTUAN CITY, AGUSAN DEL NORTE

May to June, 2012 • Excavation of previously identified sites • M. J. L. A. Bolunia, A. Orog, A. L. Peñalosa, J. Santiago, B. Toling.

BACONG, NEGROS ORIENTAL AND VICINITIES

May to June, 2012 • Excavations at Barangay Magsuhot • Test excavations in other sites • E. Z. Dizon, N. Cuevas, J. Jacar, A. L. Peñalosa, A. A. dela Torre.

Publications and presentations

Bolunia, M. J. L. A. 2012. Reconstructing a past lifeway through the astilleros of Sorsogon. In *Probing Philippine-Spanish Connections in History*. National Historical Commission of the Philippines (NHCP).

Bolunia, M. J. L. A. at R. A. Santiago. 2012. Ang pakikilahok ng mga taga-Butuan sa sinaunang kalakalang pandagat: Uri at lawak ng palitan ng mga produkto, serbisyo at ideya. Sa L. R. C. Ubaldo (patnugot), *Paglaya-Paglawud: Paglalayag at Ugnayan ng mga Pamayanan sa Kasaysayang Pilipino*. ADHIKA ng Pilipinas at National Commission for Culture and the Arts (NCCA).

Dizon, E. Z. 2012. Building the galleons. In E. J. Angara and S. P. Ner (editors), *The Manila Galleons—Traversing the Pacific*. Rural Empowerment Assistance and Development Foundation, Inc., Quezon City.

Dizon, E. Z., H. Xhaufclair and A. Pawlik. 2012. How can stone tools help understand the importance of plants in subsistence strategies of prehistoric hunter-gatherers in the Philippines and Southeast? In M. L. Tjoa-Bonatz, A. Reinecke and D. Bonatz (editors), *Crossing Borders: Selected Papers from the 13th International Conference of the European Association of Southeast Asian Archaeologists*. National University of Singapore Press.

DRAFT MANUSCRIPTS FOR PUBLICATION

A comparative study of the pottery making in Atulu, Northern Luzon between 1993 and 2011 or 2012 • For *Journal of Southeast Asian Archaeology* • K. Tanaka, W. P. Ronquillo and A. Garong.

Southeast Asian metal production and exchange network spanning 1500 and 2000 kilometers • For *Proceedings of the National Academy of Sciences* • E. Z. Dizon and O. Pryce.

Archaeological sites and their context • For *Selected Papers of the 21st Manila Studies Conference* • A. Garong.

Metal Age burials: Viewshed analysis of sacred space in the Philippine Islands • A. De Leon, N. Cuevas and S. C. Jago-on.

The Nagabaka Site, Miyako Island and the northern boundary of prehistoric Austronesian settlement • For *Antiquity* • M. Hudson, K. Y. Yamano, R. Takahashi, Y. Najima, R. Kobayashi, Y. Nagaya, M. Aoyama, M. G. P. Faylona, M. Hernandez and P. Bellwood.

Archaeological excavations at Bubog I and II on Ilin Island, Philippines: Preliminary studies on island adaptations and foraging strategies in changing environments from the terminal Pleistocene to the early Holocene • For *Journal of Field Archaeology* • A. Pawlik, P. Piper, M. G. P. Faylona, S. Padilla Jr., A. J. Carlos, A. S. B. Mijares, B. Vallejo Jr., T. Ingicco, M. Reyes, N. Amano and M. Porr.

Pictographs in Peñablanca Caves in Cagayan Valley • For *Asian Perspectives* • M. G. P. Faylona, C. M. Lising and E. Z. Dizon.

Archaeological research in the Laguna de Bay area, Philippines • For *Hukay* • T. J. Vitales.

The search of the Metal Age community: The archaeological excavation and exploration in Barangay Magsuhot and vicinities, Bacong, Negros • N. T. Cuevas.

The Backjung Nori: Understanding Korean festive practices and its safeguarding system in an intangible cultural heritage • T. J. Vitales.

Pioneers in Philippine archaeology • W. P. Ronquillo.

Money, pot hunting and the country's cultural heritage • W. P. Ronquillo.

Philippine Archaeology: 1998-2002 • W. P. Ronquillo.

Varying molluscan species in Bubog archaeological site • M. G. P. Faylona.

Analysis of burials in Old Tanauan church • T. J. Vitales.

Melo shell artifacts from the Philippines • T. J. Vitales.

Presentations in symposia, workshops & annual meetings

Ang museo sa pagtuturo ng kasaysayan • 10th BAKAS Seminar Workshop, Makati City • April 30, 2012 • T. J. Vitales.

Women's role in the Southeast Asian maritime trade • July 1-7, 2012 • 22nd International Association of Historians for Asia • M. J. L. A. Bolunia.

An archaeomalological perspective in Illinisland, Southwest Mindoro, Philippines • 5th World Conference of the Society of East Asian Archaeology, Fukuoka, Japan • July 10, 2012 • M. G. P. Faylona.

Archaeological sites and their context • July 18, 2012 • 21st Annual Manila Studies Conference • A. Garong.

Understanding Filipino human remains through stable isotope analysis • September 16-25, 2012 • 14th International Conference of the European Association of Southeast Asian Archaeologists, Dublin, Ireland • A. Garong.

Turbo marmoratus artifacts in the Philippines: An update from recent excavations • T. J. Vitales.

Utensils of significance: Exploring the role of shell spoons in Philippine archaeological sites • T. J. Vitales.

Metal Age burials: Viewshed analysis of sacred space in the Philippine Islands • 14th International Conference of the European Association of Southeast Asian Archaeologists, Dublin, Ireland • September 16-25, 2012 • A. De Leon, N. Cuevas and S. C. Jago-on.

Women's role in the Southeast Asian maritime trade • September 20-22 • Philippine Historical Association National Conference, Iloilo City • **M. J. L. A. Bolunia** and M. T. De Guzman.

Linking the Philippines and the World: Archaeology and Prehistory of the Philippine Islands • 9th International Conference on Philippine Studies, Michigan • October 28-30, 2012 • M. J. L. A. Bolunia.

Technical assistance

Supervised archaeological excavations, both terrestrial and underwater • Students in archaeology and private counterparts

Thesis consultation and advising • Students from the UP Archaeological Studies Program

Responded to archaeological queries and requests for assistance; drafted memoranda of agreement • Government agencies, private individuals and organizations

Scientific photodocumentation of artifacts • Local and foreign individuals from counterpart institutions and organizations

Lectures

THE ANGONO PETROGLYPHS

February 10, 2012 • National Defense College students • Angono, Rizal • J. S. Garcia.

A MUSEUM PERSPECTIVE ON CULTURAL HERITAGE

February 17, 2012 • Polytechnic University of the Philippines, Manila • M. G. P. Faylona.

ARCHAEOLOGICAL SURVEYING AND MAPPING

March 27, 2012 • University of San Carlos, Cebu • J. Santiago.

METAL AGE IN THE PHILIPPINES AND SOUTHEAST ASIA & UNDERWATER AND MARITIME ARCHAEOLOGY IN THE PHILIPPINES

May 7, 2012 • Erasmus Mundus scholars • Paris, France • E. Z. Dizon.

UNESCO WORLD HERITAGE SITES IN THE PHILIPPINES & THE ROLE OF MUSEUM IN THE COMMUNITY

June 16, 2012 • LGU personnel • Tanay, Rizal • J. S. Garcia.

MORE THAN A CENTURY OF PHILIPPINE ARCHAEOLOGY

July 8, 2012 • Miyako Museum, Okinawa, Japan • M. G. P. Faylona.

HISTORY OF ARCHAEOLOGICAL RESEARCH IN TABON COMPLEX AND RELATED DISCOVERIES

July 23, 2012 • Quezon, Palawan • E. Z. Dizon.

LITHIC TECHNOLOGY OF TABON CAVE

July 23, 2012 • National Museum • S. C. Jago-on.

THE NATIONAL MUSEUM OF THE PHILIPPINES AND ITS ROLE IN INTANGIBLE CULTURAL HERITAGE

August 10, 2012 • National Research Institute of Cultural Heritage, Daejeon City, South Korea • T. J. Vitales.

UNDERWATER CULTURAL HERITAGE, 3RD FOUNDATION COURSE

August 30, 2012 • National Museum • S. C. Jago-on.

DEVELOPING INTERNATIONAL GEOARCHAEOLOGY

August 30, 2012 • National Museum • M. G. P. Faylona.

RECENT ARCHAEOLOGICAL FINDINGS IN ASIA

September 20, 2012 • Philippine Historical Association • NCCA • E. Z. Dizon.

MARITIME HISTORY AND ARCHAEOLOGY OF TRADE

September 26, 2012 • Museum Volunteers • National Museum • E. Z. Dizon.

SAN REMEGIO PARISH CHURCH ARCHAEOLOGICAL EXCAVATION

October 25, 2012 • National Museum • A. Garong.

A TASTE OF KOREAN HERITAGE: THE ASIA COOPERATION PROGRAM ON CONSERVATION SCIENCE

October 25, 2012 • National Museum • T. J. Vitales.

ARCHAEOLOGY IN THE PHILIPPINES AND PROJECTS

October 31, 2012 • Field Museum of Natural History, Chicago, Illinois • M. J. L. A. Bolunia.

PHILIPPINE PREHISTORY

November 28, 2012 • NM Zamboanga Branch, Fort Pilar, Zamboanga City • E. Z. Dizon.

THE PREHISTORY OF THE PHILIPPINES

December, 2012 • Museum National d'Histoire Naturelle, Paris, France • E. Z. Dizon.

PHILIPPINE ANCIENT JADE IN THE ARCHAEOLOGICAL CONTEXT

December 13-16, 2012 • National Taiwan University, Taipei, Taiwan • E. Z. Dizon.

Exhibition assistance

PREHSEA EXHIBITION PLANNING

In collaboration with MNHN France and Sangiran Museum, Indonesia.

Personnel development

5TH WORLD CONFERENCE OF THE SOCIETY OF EAST ASIAN ARCHAEOLOGY

June 6-10, 2012 • Venue • M. G. P. Faylona.

DOST i-SCHOOL PROJECT: NM DIGITIZATION

July 19, 2012 • National Computer Center, UP Diliman • P. Tabirao.

SCUBA INSTRUCTOR DEVELOPMENT COURSE—INTERNATIONAL DIVING COURSE

July 23 - August 21, 2012 • Subic Bay, Zambales • B. Orillaneda.

ATLAS TOPOGRAFICA DE FILIPINAS

July 24, 2012 • Instituto de Cervantes Manila • A. Garong, A. Llave and H. Ramirez.

ASIAN COOPERATION PROGRAM FOR CONSERVATION SCIENCE

August 2 - October 23, 2012 • National Research Institute of Cultural Heritage, Daejeon City, South Korea • T. J. Vitales.

UNDERSTANDING CONTEMPORARY ART

August 16, 2012 • NCCA • A. Llave and J. Garcia.

INTERNATIONAL CONFERENCE IN CELEBRATION OF THE 40TH ANNIVERSARY OF THE WORLD HERITAGE CONVENTION

September 10, 2012 • Buyeo, Chungcheongnam-do, South Korea • T. J. Vitales.

14TH INTERNATIONAL CONFERENCE OF THE EUROPEAN ASSOCIATION OF SOUTHEAST ASIAN ARCHAEOLOGISTS

September 16-25, 2012 • Dublin, Ireland • A. Garong and A. De Leon.

LOOKING FOR SHELLS IN A TIME OF GLOBAL WARMING: CLIMATE CHANGE ON BEACHES

December 5, 2012 • UP Diliman • T. J. Vitales.

ARTS DIVISION

Highlights

National Art Gallery rehabilitation and re-opening. The galleries and exhibitions at the second and third floors of the Old Legislative Building were temporarily closed to the public from August 13 to September 30, 2012 with the rehabilitation of the Old Senate and Congress Session Halls. According to Director Jeremy Barns, this shall pave the way for the “completion of improvements and renovations to the gallery floors and public spaces of the building.” The rehabilitated galleries were opened to the public on October 30, following its formal launch by President Benigno S. Aquino III on October 29.

As part of the preparations for the opening of the galleries, a total of 316 artworks from the NM Fine Arts Collection were cleaned and treated, in coordination with the Chemistry and Conservation Laboratory Division. These were exhibited in seven galleries.

Digitization of the artworks. Professional photographer Benigno Toda III volunteered his services to photograph the collection beginning April 2012. The high-resolution images form part of the proposed Digital Photo Library that could be used for future publications and cataloguing of the collection.



Research & projects

PREPARATION FOR THE NEW EXHIBITIONS AT THE NAG

Preparation of 316 artworks for exhibition, in coordination with the NM Chemistry and Conservation Laboratory • Preparation of captions and labels.

DIGITIZATION OF COLLECTION

High-resolution photography of the art collection by professional photographer Benigno Toda III • Digital files will be part of the proposed Digital Photo Library.

RETRIEVAL OF ARTWORKS

Return of NM artworks loaned to other government agencies • 3 artworks from the DepEd Central Office returned last May 23, 2012: *Magkano ho ang isang niyog* (1977) by Federico Estrada; *Progress in education* (1963) by Simon Saulog; and *Itikan* (1982) by Rodolfo Roa.

Exhibitions

EXHIBITION GALLERIES PREPARED

Old Congress Session Hall (Hall of the Masters) • Galleries I-VII, VIII-X.

Collections management

Inventoried • 1,200 artworks

Conserved • 670 artworks

Prepared for exhibition • 316 artworks

New acquisitions • 6 artworks

Technical assistance

Supervised on-the-job students • Students from UP Manila, Polytechnic University of the Philippines and FEATI University.

Exhibition assistance • Cultural Center of the Philippines

Exhibition assistance

CCP's ReCOLLECTION 1981

Loan of Orlando Castillo's *Justice under Martial Law* (1980) for ReCollection 1981: Clear and Present Danger (Visual Dissent and Martial Rule).

EXHIBITION FOR THE 2012 STATE OF THE NATION ADDRESS (SONA)

Loan of seven artworks to the House of Representatives, through the Presidential Legislative Liaison Office, for the exhibition in occasion of the SONA.

CHEMISTRY & CONSERVATION LABORATORY

Highlights

Conservation of artworks at the NM. Restoration work was done on the life size portrait of Speaker Jose Laurel Sr. by Fernando Amorsolo, which was recently donated to the NM, and on the portrait of Fr. Miguel Garcia de Esteban by Juan Arceo, which was returned to the Arsobispado de Nueva Segovia in Ilocos Norte after. Conservation measures were also done on the works of Vicente Manansala and Federico Alcuaz in the GSIS Collection. Prior to its exhibition at one of the galleries of the NM the works of pioneer Filipino sculptor Isabelo Tampinco also underwent conservation measure.

Conservation of colonial churches. Funded by the US Embassy and the NCCA, the restoration of the side altars of the San Isidro Labrador Church in Lazi, Siquijor, and the Archway of San Andres in Masinloc, Zambales has been completed.

Conservation of the *Diwata ng Lahi*.

Deteriorated parts of the *Diwata ng Lahi*, the modern day Balanghay which sailed across the Southeast Asian seas from 2008 to 2011, were repaired and consolidated. Permanently on display at the NM National Art Gallery grounds, the boat was also coated with sealants to retard its deterioration. The restoration work was done jointly with the NM Archaeology Division. This project was funded by the NCCA.

On-going conservation of the Kabayan Mummies and rockshelters. Funded by the NCCA and the US Embassy, the burial rockshelters of the Ibaloi mummies in Timbac, Kabayan, Benguet are being constantly monitored against the effects of fluctuating environmental conditions.



Projects

HIBLA NG LAHING FILIPINO PERMANENT TEXTILE GALLERY

Cleaning of the textiles for display at the Queen Sofia Gallery.

PORTRAIT OF SPEAKER JOSE LAUREL SR.

Restoration of the life size portrait of House Speaker Jose Laurel Sr. painted by National Artist Fernando Amorsolo.

ISABELO TAMPINCO SCULPTURES

Condition assessment and stabilization of the loaned sculptures done by pioneer Filipino sculptor Isabel Tampinco.

MANILA CITY HALL'S BOTONG FRANCISCO MURAL

Cleaning and restoration of the mural, *The Struggles of Filipinos through Time*, painted by National Artist Carlos "Botong" Francisco for the City of Manila. Funded by the Tourism Infrastructure and Enterprise Zone Authority (TIEZA)

FRANCISCO MONTI'S PIETA SCULPTURE

Cleaning and restoration of Italian sculptor Francisco Monti's rendition of the Pieta, on display at the rear lobby of the NAG.

DIWATA NG LAHI RESTORATION

Stabilization and restoration of the modern-day *balanghay* on permanent display at the NAG grounds.

SAN ISIDRO LABRADOR CHURCH SIDE ALTAR RESTORATION

SAN ANDRES ARCHWAY RESTORATION

KABAYAN MUMMIES AND ROCKSHELTER ON-GOING MAINTENANCE

ROUTINE CONSERVATION AND CONDITION ASSESSMENT OF ARTWORKS, ARCHAEOLOGICAL AND ETHNOGRAPHICAL OBJECTS

Routine activities that include cleaning and stabilization of works and objects from the NM Collection prior to exhibition; condition assessment for probable donations and incoming loans for exhibition.

Collections management

Ethnographical materials conserved (metals, textiles, wood) • 162 objects

Artworks conserved (sculptures, prints, drawings and paintings) • 70 artworks

Archaeological materials conserved (terrestrial, waterlogged artifacts) • 57 artifacts

Technical assistance

Lectures

CONSERVATION & RESTORATION OF EASEL PAINTINGS

June 28, 2012 • GSIS Museum • E. Esguerra & W. Estonanto.

Provided conservation assistance and advice • Malacañang Museum, NCCA, CCP, UST and private individuals.

Supervision and training • On-the-job trainee students.

Personnel development

APPTCARN CONFERENCE

April 22-27, 2012 • Bangkok, Thailand • R. A. Balarbar.

SCIENCE & TECHNOLOGY FOR THE ARTS (START) 2012

September 2-7, 2012 • UST • R. Esguerra and R. A. Balarbar.

INTERNATIONAL CONFERENCE IN PHILIPPINE STUDIES

November 1-5, 2012 • Michigan • R. A. Balarbar.

TEXTILE CONSERVATION METHODS IN SOUTHEAST ASIA

November 7-13, 2012 • Bangkok, Thailand • E. Millar.

CULTURAL PROPERTIES DIVISION

***Cultural properties** are priceless and exceptional assets that should be protected for the present and future generations of Filipinos. Hence the National Government has passed laws for the preservation and protections of these cultural properties to unify all Filipinos through a deep sense of pride in their common identity, cultural heritage and national patrimony; and imbibe with the spirit of nationalism and strong commitment to the protection and dissemination of legacy.*

At the national level, the task of preserving and protecting natural and cultural properties has been assigned to the Cultural Properties Division of the National Museum of the Philippines. It has been established by virtue of Republic Act 4846, as amended by Presidential Decree 374 on January 10, 1974. Since 1974, the CPD has been involved in law enforcement, registration of cultural properties, issuances of licenses, certificates and permits, surveillance, information dissemination, and development of and research on heritage sites.



Research & projects

IGLESIA DE SAN IGNACIO ARCHAEOLOGICAL SITE, INTRAMUROS

Exposing the archaeological features • Retrieval of artifacts and ecofacts.

MAESTRANZA ARCHAEOLOGICAL SITE, INTRAMUROS

AYUNTAMIENTO ARCHAEOLOGICAL SITE, INTRAMUROS

ZOOARCHAEOLOGY OF THE BALOBOK ROCKSHELTER, TAWI-TAWI

FOSSIL MAMMALS IN THE PHILIPPINES

BAYBAYIN: ANCIENT AND TRADITIONAL SCRIPTS IN THE PHILIPPINES

Fieldwork

IMPLEMENTATION OF RA 8492, PD 374 AND RA 10066

55 visits • San Ignacio, Intramuros; San Nicolas, Binondo; San Marcelino in Manila • Camarin, Caloocan City • PAWB, Quezon City • Montalban; San Mateo; Taytay, Rizal • Tayug, Pangasinan • Baguio City; Tulay, Benguet • Kiangnan, Ifugao • Angeles; Arayat; Bacolor; Lubao; Minalin, Pampanga • Tarlac, Tarlac • Malolos, Bulacan • Masinloc, Zambales • Mansalay, Oriental Mindoro • Puerto Princesa; Quezon, Palawan • Banton Island; Romblon, Romblon • Biñan; Los Baños; Paete, Laguna • Tanza, Cavite • Gigmoto, Catanduanes • Tabaco, Albay • Capul; San Isidro, Northern Samar • Leyte • Tagbilaran, Bohol • Boljoon, Cebu • Bacolod City, Negros • Dumaguete, Negros Oriental • Roxas City, Capiz • Siquijor • Santa Barbara, Iloilo • Butuan City • Mati, Davao Oriental • Cagayan de Oro.

INSPECTION/ASSESSMENT OF SITES PROPOSED FOR DECLARATION

San Nicolas, Binondo, Manila • San Marcelino, Manila • Quezon, Palawan • Banton Island, Romblon • Romblon, Romblon • Lamut, Ifugao • Kiangnan, Ifugao • Banaue, Ifugao • Paete, Laguna • Taytay, Rizal.

Cultural properties management

Registered cultural properties, with dealers • 233 items

Registered cultural properties, with private collectors • 1,188 items

Certificates issued to antique dealers • 202

Certificates issued to private collectors • 15

Licenses issued to dealers • 17

Deputization certificates issued • 3

Permits and authorization issued to research associates • 10

Non-coverage certificates issued • 166

Cultural properties inspected for export • 505

Inspected items not covered for export • 2,419

Export permits issued • 22

Excavation permits issued • 3

Treasure hunting permits issued • 10

Permits to transport • 2

Authority to collect and transport • 29

Proposed sites inspected for declaration • 7

Declared National Cultural Treasure • 1

Declared Important Cultural Property • 3

Public declarations

NATIONAL CULTURAL TREASURES

Sto. Domingo Church Complex and Its Liturgical Objects • October 4, 2012 • Sta. Mesa Heights, Quezon City.

IMPORTANT CULTURAL PROPERTIES

Museo ning Angeles, Old Municipal Building • June 12, 2012 • Angeles, Pampanga.

Mauban Public Bath • July 14, 2012 • Mauban, Quezon.

Old Provincial Building • July 22, 2012 • Tagbilaran City, Bohol.

UNVEILING OF MARKERS

San Sebastian Church • April 20, 2012 • Quiapo, Manila.

San Isidro Salvador Church • May 15, 2012 • Lazi, Siquijor.

Museo ning Angeles, Old Municipal Building • June 12, 2012 • Angeles, Pampanga.

San Juan Bautista Church • June 22, 2012 • Tabaco, Albay.

July 2012 • Parish Church of San Agustin and Complex, the Plaza, the Old Panglao Municipio, the Escuelas de Niños y Niñas, the Archway and Mortuary Chapel of the 19th Century Cemetery • Panglao, Bohol.

Bohol Watchtowers • Panglao, Bohol.

Parish Church of the Assumption of Mary Complex and Its Liturgical Objects • Dauis, Bohol.

Parish Church of San Nicolas de Tolentino and the Ermita Ruins • Dimiao, Bohol.

Parish Church of the Holy Cross • Maribojoc, Bohol.

Sto. Domingo Church Complex and Its Liturgical Objects • October 4, 2012 • Sta. Mesa Heights, Quezon City.

San Andres Parish Church • November 30, 2012 • Masinloc, Zambales.

TURNOVER TO RIGHTFUL OWNER

Meycauayan Bells to the Diocese of Malolos, Bulacan • August 6, 2012.

Technical assistance

Walk in clients attended to • 102

Lectures

CULTURAL PROPERTY

February 21, 2012 • UST • A. P. Bautista.

LEGAL FRAMEWORK ON THE PROTECTION AND PRESERVATION OF CULTURAL PROPERTY

February 23, 2012 • Underwater Cultural Heritage Conference, NM • A. P. Bautista.

LAWS ON THE PROTECTION AND PRESERVATION OF CULTURAL PROPERTY & DOCUMENTING MUSEUM OBJECTS

March 12, 2012 • Bacolod City, Negros • A. P. Bautista.

ARCHAEOLOGICAL AND PALEONTOLOGICAL VALUES OF CAVES

April 20-21, 2012 • National Caving Congress • Roxas City, Capiz • A. P. Bautista.

PROTECTING FILIPINO HERITAGE

May 9-11, 2012 • International Museum Day • Tabaco, Albay • A. P. Bautista.

May 25, 2012 • International Museum Day • Tarlac, Tarlac • A. P. Bautista.

PREHSEA CONFERENCE

July 22-26, 2012 • Quezon, Palawan • A. P. Bautista.

Exhibition assistance & technical expertise

February 9-15, 2012 • Mapua Institute of Technology.

February 15-16, 2012 • Philippine History • DepEd.

February 2012 • Paris exhibition.

June 2012 • Philippine National Treasures.

August 19, 2012 • HOPSEA.

August 20, 2012 • National Cultural Treasures, with NM Trustee Augusto Villalon and documentary filmmaker Butch Nolasco.

August 30, 2012 • Fossil exhibition in Mindanao.

August 2012 • Palawan Provincial Museum.

Personnel development

WORLD AND SOUTHEAST ASIAN PREHISTORY

January 27 & March 14, 2012 • UST • A. P. Bautista.

UNDERWATER CULTURAL HERITAGE CONFERENCE

February 2012 • NM • E. dela Rosa, E. Loyola, E. Sarmiento.

NATIONAL CAVING CONGRESS

April 19-25, 2012 • Roxas City, Capiz • C. Soriano, E. Toribio Jr.

PREHSEA CONFERENCE

July 22-26, 2012 • Quezon, Palawan • G. Bautista.

NATIONAL CAVE COMMITTEE MEETING

September 14, 2012 • Tanza, Cavite • A. P. Bautista, E. Toribio Jr.

INTERNATIONAL WORKSHOP ON THE PROHIBITION AND PREVENTION OF ILLICIT TRAFFIC OF CULTURAL PROPERTY

October 1-3, 2012 • NM • All CPD personnel.

ASEAN-COCI REGIONAL WORKSHOP ON SHARING OF EXPERIENCES IN THE PREVENTION OF ILLICIT TRAFFIC OF CULTURAL PROPERTIES IN THE SOUTHEAST ASIA

November 2-5, 2012 • Siem Reap, Cambodia • A. P. Bautista.

NATIONAL CAVE COMMITTEE CONFERENCE

December 2, 2012 • Palawan • A. P. Bautista.



RESTORATION & ENGINEERING DIVISION

Architectural conservation & restoration projects

DESIGN DEVELOPMENT PHASE

NATIONAL ART GALLERY, Old Legislative Building •

Enhancement of common areas, restrooms, storages and laboratories • Development of grounds • Renovation of eight galleries • Restoration of the Old Senate Session Hall • Renovation of the 4F lobby • Renovation of the SPCC and Security Bank Halls • NM Architects A. Dado, E. Esguerra, G. Uy, N. L. Aquino & NM Board of Trustee Architect A. Villalon.

MUSEUM OF THE FILIPINO PEOPLE, Old Finance Building

• Building restoration • NM Architects A. Dado & E. Esguerra.

PADRE BURGOS HOUSE & NM VIGAN BRANCH •

Restoration of the immovable cultural property and retrofitting of the museum building • NM Architects A. Dado & E. Esguerra.

NM ZAMBOANGA BRANCH • Restoration of the immovable cultural property and retrofitting of the five museum buildings • NM Architects A. Dado & N. L. Aquino.

NM BUTUAN BRANCH • Retrofitting of the museum building • NM Architects A. Dado & N. L. Aquino.

NM BATANES EXTENSION OFFICE AND RESEARCH CENTER

• Retrofitting and conversion of the US Coast Guards' former Long Range Navigation Station in Uyugan, Batanes as an NM facility • NM Architects A. Dado & N. L. Aquino.

CONSTRUCTION PHASE

NATIONAL ART GALLERY, Old Legislative Building •

Supervision of the restoration of the inner courtyards • Renovation of the common rooms, restrooms and grounds • Renovation of eight galleries • Restoration of the Old Senate Session Hall • Maintenance of the airconditioning system and elevators • Completion of the fire suppression system.

PAN-AY CHURCH, a National Cultural Treasure • Supervision of the restoration.

MUSEUM OF THE FILIPINO PEOPLE, Museum of the Filipino People • Supervision of the restoration.

NM BOLINAO BRANCH AND FIELD STATION • On site inspection and preparation of a preliminary architectural design • NM Architect E. Esguerra & Mr. N. Tolentino.

NM PALAWAN BRANCH AND FIELD STATION • On site inspection and preparation of a preliminary architectural design • NM Architect G. Uy.

NM NATURAL HISTORY • Preparation of a preliminary project definition and budget proposal for the conversion of the Department of Tourism Building as the Natural History Museum.

NATIONAL PLANETARIUM • Preparation of a preliminary project definition and budget proposal.

NM COMPLEX • Preparation of a preliminary project definition and budget proposal.

NATIONAL GALLEON MUSEUM • Preparation of a preliminary architectural design • NM Architect N. L. Aquino.

NM BUTUAN BRANCH • Supervision of the restoration.

NM ZAMBOANGA BRANCH • Supervision of the restoration.

PADRE BURGOS HOUSE AND NM VIGAN BRANCH • Supervision of the restoration.

NM BATANES EXTENSION OFFICE AND RESEARCH CENTER • Coordination with DPWH Batanes.

NM KIANGAN • Completed maintenance activities and minor repairs.

NATIONAL PLANETARIUM • Supervision of the maintenance of the airconditioning system.



Technical assistance

INSPECTION OF BUILT HERITAGE & IMMOVABLE CULTURAL PROPERTIES

Misamis Occidental Capitol Building • N. L. Aquino.

San Ildefonso Church, Tanay • E. Esguerra.

San Pedro Apostol Church, Loboc, Bohol • A. Dado.

Museo ning Angeles, Angeles, Pampanga • E. Esguerra.

St. Ignatius of Loyola Church & Capul Lighthouse, Capul, Northern Samar • N. L. Aquino.

Cape Bojeador Lighthouse, Burgos, Ilocos Norte • A. Dado.

Sta. Barbara Church, Sta. Barbara, Iloilo • M. Cercado.

St. John the Baptist Church, Jimenez, Misamis Occidental • M. Cercado.

Church of Patrocinio de Marja, Boljoon, Cebu • A. Dado.

Miag-ao Church, Miag-ao, Iloilo • A. Dado.

Lecture

PERFORMING MISCELLANEOUS INTERVENTIONS

May 15, 2012 • 2nd UAP-UST Certified Heritage Building Conservation, Vigan City • A. Dado.

Technical expertise

11TH ANNUAL CONFERENCE OF THE COUNCIL OF ARCHITECTURAL RESEARCHERS & EDUCATORS

A. Dado, *Peer evaluator* • January 26, 2012 • De La Salle University Dasmariñas, Cavite.

Personnel development

38TH UNITED ARCHITECTS OF THE PHILIPPINES ANNUAL CONVENTION

April 19-21, 2012 • SMX Convention Center • A. Dado, E Esguerra, G. Uy & N. L. Aquino.

UAP ARCHITECTS' SUMMIT ON COLLABORATIVE ACTION & LEADERSHIP

February 3-6, 2012 • Boracay • G. Uy & N. L. Aquino.



ARCHAEOLOGICAL SITES & BRANCH MUSEUMS DIVISION

Exhibitions

IMPROVEMENTS ON THE ANGONO-BINANGONAN EXHIBIT

Sections on the Ticao stone, Laguna copper plate and Calatagan pot were added last March 2012.

NEW EXHIBITIONS IN NM BOHOL

Installation and opening of *Nene Lungay, A Portrait of A Mother and An Artist: Bohol's Pride*; *Gasa*; and NCCA's *Sagisag Kultura* last July 2012.

IMPROVEMENTS ON THE NM KABAYAN EXHIBITIONS

Installation of updated exhibitions on the Ibaloi and Kankana'ey communities of Benguet.

NEW EXHIBITION IN NM TABACO

Installation of the exhibition *Artifacts*.

Infrastructure development

Repairs on the NM Jolo Branch, initiated by the Provincial Government of Sulu, and NM Kiangnan Branch; repairs and repainting of the ceiling, passage way and library of the NM Boac Branch; and provision of water to the Angono-Binangonan Site.

Technical assistance

INTERNATIONAL MUSEUM DAY

May 9-11, 2012 • NM Tabaco • L. Batoon.

DOT SEMINAR

October 4, 2012 • Pila, Laguna • A. Fucanan.

BASIC MUSEOLOGY WORKSHOP

October 17-19, 2012 • NM Bohol • A. Fucanan & L. Batoon.



Table 1. Total number of visitors at the NM Archaeological Sites and Branches from January to December 2012.

Branch name / Archaeological site	Number of Visitors for 2012												
	January	February	March	April	May	June	July	August	September	October	November	December	Total
Angono Petroglyphs	3,428	1,392	1,179	1,129	775	558	1,167	917	4,313	5,152	3,577	2,808	26,395
NM Tabaco Branch	1,143	3,649	1,816	93	211	4,244	4,348	4,464	2,044	2,648	1,460	5,812	31,932
NM Boac Branch	275	516	614	911	337	110	120	83	296	2,755	268	6,389	12,674
NM Bohol Branch	919	1,591	1,185	1,219	2,414	952	929	812	858	903	863	785	13,430
NM Bolinao Branch	53	436	248	36	272	27	69	71	117	1,326	320	80	3,055
NM Butuan Branch	1,981	5,828	1,503	573	1,112	568	737	2,292	1,852	4,307	839	69	21,661
Balanghay Shrine, Butuan City	394	782	784	444	218	244	388	1,940	1,610	692	542	472	8,510
NM Zamboanga Branch	1,985	2,584	2,850	1,479	2,414	1,290	2,064	2,299	4,352	9,652	1,074	Closed	32,043
NM Jolo Branch	175	197	248	198	213	190	187	175	376	857	305	188	3,309
NM Kabayan Branch	87	175	182	413	150	28	27	16	16	195	532	838	2,659
NM Kiangnan Branch	251	234	410	354	721	235	253	277	814	619	158	681	5,007
NM Magsingal Branch	164	87	41	125	100	45	135	81	45	161	63	109	1,156
NM Cebu Branch	3,788	5,804	6,033	2,570	4,817	2,560	3,240	4,940	6,768	5,861	5,302	3,768	55,631
Burgos Shrine, Vigan City	2,905	3,285	4,109	5,299	5,276	2,099	1,998	1,924	2,108	4,839	3,860	3,648	41,350
NM Quezon, Palawan Branch	204	460	318	513	334	128	176	105	290	462	286	258	3,534
Tabon Cave Complex, Quezon, Palawan	193	282	387	554	506	143	168	253	296	545	267	298	3,892
Total	17,945	27,302	21,520	15,910	19,910	13,421	16,186	20,649	26,155	40,974	19,716	26,203	265,851

Personnel development

FORUM ON TEACHING & LEARNING LOCAL KNOWLEDGE IN THE DIGITAL AGE

February 29, 2012 • Ateneo de Zamboanga University • E. Catolin.

DISCOURSE ON THE PHILIPPINE MUSLIM HISTORY: IMPLICATIONS ON HISTORIOGRAPHY AND NATION-BUILDING

August 13, 2012 • NHCP • M. Agulan and L. Batoon.

ASSEMBLY OF THE MUSEUM ASSOCIATION OF MINDANAO

May 25-28, 2012 • Davao City • E. Catolin, A. T. Tamayo and L. T. Dahum.

INTERNATIONAL WORKSHOP ON THE PROHIBITION AND PREVENTION OF ILICIT TRAFFIC OF CULTURAL PROPERTIES

October 1-3, 2012 • NM • N. Villanueva.

CONSULTATIVE WORKSHOP ON THE NATIONAL ENFORCEMENT DATABASE DEVELOPMENT

October 24-26, 2012 • Tagaytay City • L. Absuelo.

INTERNATIONAL CONFERENCE ON CULTURAL TOURISM

November 2012 • Initiated by the ICOMOS • Vigan City • L. Batoon, G. Abcede and C. Tantinco.



PLANETARIUM DIVISION

Highlights

Starry, starry night is a new program introduced last February 18, 2012, in occasion of the 2012 National Astronomy Week. Intended for both children and the general public, it discusses the origins and evolution of the stars, the formation of the Solar System, and guides them to locate the well-known stars and constellations in the night sky.

In celebration of the **2012 Global Astronomy Month**, the National Planetarium initiated and collaborated on the following activities: Planet Saturn Watch at the Mall of Asia last April 15, 2012; an overnight observation and lectures in astronomy at the Gethsemane Prayer Mountain in Montalban, Rizal last April 21-22, 2012; and a Global Star Party with the promenaders of Rizal Park last April 28, 2012.

Partial solar eclipse viewing & documentation at the Rizal Park last May 21, 2012 with members of the Astronomical League of the Philippines, in cooperation with the National Parks Development Committee.

Viewing & documentation of the transit of planet Venus last June 6, 2012 at the Rizal Park, also with the Astronomical League of the Philippines. This event was featured in the ABS-CBN morning show, *Umagang kay Ganda*.



Public programs

Regular programs

Journey to the Solar System and *Ocean in Space*, regular programs of the National Planetarium, continue to attract a large number of viewers (see Table 2), particularly students from Metro Manila and nearby provinces. Both programs are shown four times daily from Tuesdays to Saturdays. A new program titled *Starry, Starry Night* was introduced during the opening ceremony of the 2012 National Astronomy Week last February 18, 2012.

Table 2. Generated income from the regular shows' admission fees.

Month (2012)	Student Viewers	Adult Viewers	No. of Shows	No. of Groups	Income (Php)
January	3,996	778	28	41	158,780.00
February	6,000	1,099	45	69	234,950.00
March	2,199	364	26	29	84,170.00
April	711	16	13	15	22,130.00
May	499	30	11	14	16,470.00
June	168	36	4	5	6,840.00
July	315	0	7	7	9,450.00
August	2,103	266	17	18	76,390.00
September	4,576	636	34	39	169,080.00
October*	6,844	2,531	52	73	FREE
November	4,968	1,026	34	44	200,340.00
December	3,645	565	30	36	137,600.00
TOTAL	36,024	7,347	301	390	1,116,200.00

* Free admission for the whole month of October in celebration of Museums and Galleries Month.

In addition to these, the **free permanent exhibitions** installed at the National Planetarium Building featuring paintings of Filipino myths and beliefs in astronomy, image and diorama representations of the Solar System, the major constellations and space explorers also persist as a crowd-drawer (see Table 3).

The **Mobile Planetarium** which aims to bring astronomy closer to the people continues to serve students from different areas in the country. For 2012, it has visited schools in Bulacan, Zambales and Laguna (see Table 4).

Table 3. Summary of exhibition viewers.

Month (2012)	No. of viewers	
	Students	Adults
January	78	78
February	146	67
March	48	5
April	64	57
May	135	146
June	124	40
July	111	55
August	117	44
September	73	40
October	348	231
November	45	53
December	93	67
TOTAL	1,427	923

Table 4. Donations received during the Mobile Planetarium activities.

Date 2012	Schools and sponsors	Total No. of Students	Amount donated
February 3	Sponsored by D' Great Rovers, thru Ms. D. G. Opriasa: St. Paul College Bocaue, Bulacan	359	4,000.00
	Sponsored by RCT Traveller's Corner, thru Ms. C. Tantay: Botolan National High School Baneg National High School Jesus Magsaysay High School Botolan, Zambales	602	
November 19-23	Columbian College Barreto Olongapo City	400	20,000.00
	San Felipe Elementary School West San Felipe, Zambales	250	
	San Marcelino Elementary School San Marcelino, Zambales	530	
November 30	Kapayapaan National High School Canlubang, Laguna	220	4,000.00
TOTAL		2,361	28,000.00

Special programs

2012 NATIONAL ASTRONOMY WEEK

In collaboration with the Philippine Astronomical Society and the Astronomical League of the Philippines

Astronomical knowledge competitions for high school and college students from different Metro Manila schools • February 18, 2012 • National Planetarium.

4th Philippine Astronomy Convention to raise the Filipino youth and community's literacy on the astronomical sciences • February 19, 2012 • National Planetarium.

Stargazing, 6-10pm • February 18-19, 2012 • Rizal Park and Rajah Solayman Park.

BASIC EARTH SCIENCE AND ASTRONOMY WORKSHOP

April 18, 2012 • Stellar Evolution and Stars and Constellations lectures • Joint educational project with the NM Geology Division • L. Quitlong & R. Silvestre.

2012 GLOBAL ASTRONOMY MONTH

Planet Saturn Watch • AstroCamp program • April 15, 2012 • Mall of Asia, Pasay City.

Overnight astronomical observation and lectures • April 21-22, 2012 • Gethsemane Prayer Mountain, Montalban, Rizal.

Global Star Party • April 28, 2012 • Rizal Park.

PARTIAL SOLAR ECLIPSE OBSERVATION & DOCUMENTATION

In collaboration with the Astronomical League of the Philippines and in cooperation with the National Parks Development Committee • May 21, 2012 • Rizal Park.

TRANSIT OF PLANET VENUS OBSERVATION & DOCUMENTATION

In collaboration with the Astronomical League of the Philippines • Featured in ABS-CBN's *Umagang kay Ganda* morning show • June 6, 2012 • Rizal Park.

NATIONAL PLANETARIUM'S 37TH FOUNDING ANNIVERSARY

Hosted selected Ramon Magsaysay High School Manila students and teachers • Storytelling of *Ang Alamat ng Kalangitan, Buwan at mga Bituin*, lecture *The Calendar*, and free showing of the *Journey to the Solar System* and *Ocean in Space* • October 9, 2012 • National Planetarium.

FEATURED IN MUNDO NG SIYENSYA

People's Television's morning program *PanahonTV* • November 2012.

Personnel development

4TH PHILIPPINE ASTRONOMY CONVENTION

February 19, 2012 • National Planetarium • All Planetarium personnel.

YEAR 2012: THE WORLD SURVIVES

February 25, 2012 • Astronomy and Astrophysics Symposium, Mall of Asia, Pasay City • All Planetarium personnel.

INTERNATIONAL OBSERVE THE MOON NIGHT

September 22, 2012 • Sponsored by the Astronomical League of the Philippines • Rajah Solayman Park • All Planetarium personnel.



MUSEUM EDUCATION DIVISION

Highlights

Special Basic Museology Training. In collaboration with the West Visayas Association of Museums, Inc., a workshop on basic museology was conducted last March 12-16, 2012 in Bacolod City. Among the topics covered were RA 10066, or Heritage Law, preventive conservation, planning and designing exhibits, principles of guiding and museum marketing. Twenty three museum workers participated in the workshop.

4th Nature Walk: Marshland Ecology of Candaba. A three-day even which took place last April 24 to 26, 2012 at Candaba Marsh which aims to disseminate the knowledge on natural history and its conservation, as well as a learning experience to better appreciate nature. This was participated by 28 individuals from UP Manila, Fatima University and Lyceum of the Philippines University.

Appreciating Japanese Culture. In partnership with the Museum Volunteers of the Philippines, a series of lectures and demonstrations aimed towards educating the public several aspects of Japanese culture and life was conducted at the National Museum. Appreciating Japanese Culture started with the Japanese Tea Ceremony last February 16, 2012, followed by Origami on May 10, 2012, and Ikebana on December 6, 2012. These were attended by students from different schools and universities within Manila in coordination with the Manila Schools Division.

6th Summer Workshop Festival. A one-day outreach activity for the marginalized and underprivileged youth last May 17, 2012. Workshops include origami, tole painting, paper and pet bottle recycling, kulintang music, interpretative dancing, coconut twig recycling, pop-up greeting cards and bleach painting. Around 257 young people from ATD Fourth World, Tahanan Sta. Luisa, SOS Children Village Philippines, He Cares Foundation, Virilanie Foundation, Hospicio de San Jose, House of Sarang, Senden Home Foundation, Unang Hakbang Foundation, DSWD Manila and San Sebastian's Children of Charity participated.



Public programs

Regular programs

The regular programs of the National Art Gallery and the Museum of the Filipino People continue to attract a large number of viewers (see Table 5).

Table 5. Number of visitors at the Museum of the Filipino People and the National Art Gallery for 2012.

Visitor classification	MFP		NAG		Total	
	Number	In %	Number	In %	Number	In %
Elementary pupils	10,788	9.73	3,777	2.76	14,565	5.88
High school students	18,908	17.06	9,961	7.29	28,869	11.66
College students	36,786	33.18	4,486	3.28	41,272	16.68
Foreign students	14,611	13.18	3,412	2.50	18,023	7.28
Adult, local	4,913	4.43	898	0.66	5,811	2.35
Adult, foreign	1,348	1.22	0	0	1,348	0.55
Senior citizens	1,249	1.13	204	0.15	1,453	0.59
Free admission	22,253	20.07	113,904	83.36	136,157	55.01
<i>Elementary</i>	1,494		14,786		16,280	
<i>High school</i>	2,260		32,466		34,726	
<i>College</i>	5,540		36,543		42,083	
<i>Adults</i>	12,959		23,845		36,804	
<i>Foreign nationals</i>	0		6,264		6,264	
Total	110,856	100.00	136,642	100.00	247,498	100.00

As part of the NM's mandate of disseminating newly acquired knowledge to the public, the Division has assisted in organizing the following activities:

NM Researchers' Echo Seminar • January 26-27; August 30; September 28; October 19 and 25, 2012 • GF, Reception Hall, NAG

New Discoveries in Philippine Fauna • March 8, 2012 • 4F, Tambunting Hall, MFP

Declared National Cultural Treasures of the Philippines • June 28, 2012 • 4F, Tambunting Hall, MFP

Conservation of Built Heritage • August 16, 2012 • 2F, Marble Hall, MFP

Filipino Building Beliefs • October 11, 2012 • 2F, Marble Hall, MFP

Burial Practices in the Philippines • November 6, 2012 • 2F, Marble Hall, MFP

Paleographic Baybayin • November 22, 2012 • 2F, Marble Hall, MFP

Total number of audience and participants during seminars, lectures, trainings and workshops • 1706

Technical assistance

Photo and video documentation of activities at the NM • 67

Assistance to NM Library users • 327

Audio-visual services of activities at the NM • 62

Volunteer and apprenticeship program • 97 students

Lecture

PREPARATION & DEVELOPMENT OF A GOOD MUSEUM TOUR SCRIPT

November 23, 27, 29 and December 11, 2012 • Reading Center, MED • E. D.V. Alba.

BASIC PRINCIPLES OF SCRIPTWRITING FOR MUSEUMS

November 23, 27, 29 and December 11, 2012 • Reading Center, MED • M. L. Lagartija.

Printed & digital publications

NM Papers 2012 issue
Art-i-Facts 2012 issues
3rd Nature Walk: Baler

REVIEW OF PHILIPPINE HISTORY

Wednesdays of January to March, 2012 • Filipinas Heritage Library • R. Garcia & R. Manaloto.

Personnel development

FORUM ON INTELLECTUAL PROPERTY AND TRADITIONAL KNOWLEDGE

March 21-22, 2012 • NM • D.V. Alba and M. L. Lagartija.

CES THOUGHT LEADERSHIP CONGRESS

May 30, 2012 • Diamond Hotel, Manila • E. D.V. Alba.

DOST i-SCHOOL PROJECT: NM DIGITIZATION

July 19, 2012 • National Computer Center, UP Diliman • E. D.V. Alba and M. L. Lagartija.

UNESCO KARUNUNGAN FESTIVAL

September 21-22, 2012 • NM • W. Lumagui, R. Manaloto, H. Pajarillo, N. Vendivil, and R. Rosario.



2012 FINANCIAL STATEMENT

Comparative Detailed Balance Sheet
As of December 31, 2012

	Assets (Php)	
CURRENT ASSETS	2012	2011
<i>Cash (Note 4)</i>		
Cash-collecting officers	93,197.29	37,131.50
Petty cash fund	440,047.22	301,494.02
Cash payroll fund	(4,000.00)	6,000.00
Cash in bank, local currency		
Current account	347,241,363.29	258,222,214.14
Total cash	347,770,607.80	258,566,839.66
<i>Receivables (Note 5)</i>		
Due from officers and employees	751,901.89	751,901.89
Due from National Treasury	14,600,933.70	14,664,648.70
Due from NGAs	958,599.98	723,959.32
Due from LGUs	35,777,615.69	6,935,587.27
Disallowances/Charges	79,076.18	83,676.18
Advances to officers and employees	2,925,469.35	3,761,492.65
Total receivables	55,093,596.79	26,921,266.01
<i>Inventories (Note 6)</i>		
Merchandise inventory	351,576.18	351,576.18
Office supplies inventory	1,223,694.43	2,200,536.86
Accountable forms inventory	1,500.00	1,500.00
Total inventories	1,576,770.61	2,553,613.04
<i>Prepayments</i>		
Advances to contractors	11,463,114.12	9,978,727.94
Other prepaid expenses	117,572.29	117,572.29
Total prepayments	11,580,686.41	10,096,300.23
Total current assets	416,021,661.61	298,138,018.94
INVESTMENTS		
Investments in Treasury Bills	-	-
Total investments	-	-

	Assets (Php)	
PROPERTY, PLANT AND EQUIPMENT (Note 7)	2012	2011
Land	423,331,120.00	423,331,120.00
Land improvements	10,176,000.00	-
Office buildings	729,682,331.76	673,455,940.36
Office equipment	10,712,874.97	9,864,439.07
Furniture and fixtures	22,529,001.63	22,273,797.58
IT equipment and software	9,121,306.04	7,297,922.79
Library books	205,368.32	203,308.52
Agricultural, fishery and forestry equipment	950.00	950.00
Communication equipment	436,077.10	423,042.10
Construction and heavy equipment	97,249.20	97,249.20
Firefighting equipment and accessories	384,215.00	384,215.00
Hospital equipment	2,499.65	2,499.65
Medical, dental and laboratory equipment	9,609.75	9,609.75
Military and police equipment	585.00	585.00
Sports equipment	5,625.00	5,625.00
Technical and scientific equipment	28,482,848.40	28,306,186.78
Other machineries and equipment	8,628,482.16	8,609,432.16
Motor vehicles	3,907,616.57	3,907,616.57
Watercrafts	46,404.68	46,404.68
Other property, plant and equipment	4,846,722.00	4,817,117.80
Total property, plant and equipment	1,252,606,887.23	1,183,037,062.01
Less: Accumulated depreciation	19,629,160.69	17,500,375.03
Property, plant and equipment net	1,232,977,726.54	1,165,536,686.98
Add: Construction in progress	2,948,533.26	2,948,533.26
Total property, plant and equipment	1,235,926,259.80	1,168,485,220.24
OTHER ASSETS		
Arts, archaeological specimen and other exhibits	193,871,155.64	195,122,155.64
Other assets	5,375.00	5,375.00
Total other assets	193,876,530.64	195,127,530.64
Total assets	1,845,824,452.05	1,661,750,769.82

LIABILITIES AND EQUITY	(Php)	
<i>Current Liabilities</i>	2012	2011
Accounts payable	35,073,878.40	18,110,189.02
Due to BIR	601,841.83	454,480.89
Due to GSIS	94,618.79	90,051.32
Due to PAG-IBIG	19,392.67	15,308.22
Due to PhilHealth	9,147.89	8,847.89
Due to other NGAs	12,919,415.03	8,714,028.09
Due to LGUs	306,358.15	346,410.15
Performance/Bidders/Bail bonds payable	1,770,466.90	2,020,466.90
Tax refund payable	444,802.71	73,068.44
Other payables	348,299,058.88	263,418,333.99
Total liabilities	399,538,981.25	293,251,184.91
<i>Equity</i>		
Government equity, beginning January 1	1,368,499,584.91	798,456,062.04
Adjustments to beginning balance (Note 8)	(2,063,736.79)	(467,334.21)
Adjusted beginning balance	1,366,435,848.12	797,988,727.83
Add: Retained operating surplus		
Current operations	70,601,381.91	2,593,514.03
Adjustments to current operations (Note 9)	9,248,240.77	567,917,343.05
Government equity, ending December 31	1,446,285,470.80	1,368,499,584.91
Total liabilities and equity	1,845,824,452.05	1,661,750,769.82

Submitted by:

Erwin Sebastian
OIC, Planning Unit

Approved by:

JEREMY BARNS, CESO III
Director IV

National Art Gallery
Museum of the Filipino People
(02) 527 1215 • directornatmuse@yahoo.com

National Planetarium
(02) 527 7889 • nmplanetarium1975@gmail.com

Viewing hours
Tuesdays to Sundays*, 10:00 AM to 4:00 PM

Fees
Regular
Adult | Php 150.00 • Senior citizen (with ID) | Php 120.00 •
Student (with ID) | Php 50.00 • Children below 4 years old | Free**

Group (51 persons or more)
Adult | Php 120.00 • Senior citizen (with ID) | Php 120.00 •
Student (with ID) | Php 40.00

* Entrance is FREE to all visitors on Sundays

** Exclude children in group tours

Image credits:

Cover | View of the Old Legislative building from Padre Burgos Avenue, 29 September 2012 | ESebastian/NM DO • ii | Inauguration of the Senate Session Hall, 29 October 2012 | ESebastian/NM DO • 4 | Excavation of the Butuan boat, 22 June 2013 | MJLABolunia/NM Archaeology • 6 | Geological survey in Sabtang, Batanes, 20 November 2012 | Batanes Heritage Foundation, Inc. (BHFI) • 10 | Fern collection in Uyugan, Batanes, 16 October 2012 | BHFI • 14 | Lecture about the Philippine National Herbarium, 28 April 2012 | JRCCallado/NM Botany • 15 | Crustacean collection in Itbayat, Batanes, 9 August 2012 | ECRobis • 21 | Guided tour to the Biodiversity exhibition, 3 August 2012 | AMDomingo/NM Zoology • 22 | Mechanical cleaning of the Ethnographic Collection in NM Kabayan, 23 May 2012 | CASantos/NM Anthropology • 24 | Inventory of the Ethnographic Collection in NM Manila, 22 February 2011 | MPTauro/NM Anthropology • 25 | Underwater excavations at the Scarborough Shoal, Zambales, 7 April 2012 | BORillaneda/NM Archaeology • 30 | Dismantling the exhibitions at the National Art Gallery, 20 June 2012 | BCalubayan/NM Arts • 32 | Railed pathway to the Kabayan Mummy Rockshelters, Kabayan, Benguet, 6 October 2013 | MSNacion/NM CCL • 34 | Baybayin inscriptions on the Intramuros pot shard | NM CPD • 37 | National Cultural Treasure Sto. Niño Parish Church, Cortes, Bohol | NM CPD • 39 | Restoration of the Atrium, Old Legislative Building, 2012 | NM RED • 40 | Retrofitting of the Senate Session Hall, 2012 | NM RED • 41 | Basic Museology Workshop, Legazpi, Albay, 11 May 2012 | LBatoon/NM ASBMD • 43 | Angono-Binangonan Rockshelters, 29 May 2011 | LBatoon/NM ASBMD • 44 | Stargazing at the Rizal Park, 28 April 2012 | National Planetarium • 47 | Umagang Kay Ganda episode, 6 June 2012 | National Planetarium • 48 | DOST i-School Project workshop, 19 July 2012 | NVendivil/NM MED • 50 | Basic Museology Training, Bacolod City, 14 March 2012 | NM MED.

The NM 2012 Annual Report is based on monthly reports submitted by the National Museum Divisions to the Director's Office.

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