

CURRICULUM VITAE of *PERRY S. ONG*

(Abridged, as of 11 May 2017)

I. Basic Information

Nationality/Civil Status: Filipino/Married with two children
Language Proficiency: English and Filipino: Excellent (oral and written)

II. Contact Information

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III. Current Position(s):

A. In UP

1. Professor 11 in Wildlife Biology, Institute of Biology, University of the Philippines Diliman since 2014;
2. Head, Biodiversity Research Laboratory, Institute of Biology, University of the Philippines Diliman since 2008
3. Chair, UP Diliman University Council Committee on Academic Policy and Programs, 2017-2020;
4. Member, UP Diliman General Education Committee, 2017-2020;
5. Member, UP Diliman Technical Working Group on the Arboretum Master Plan, since 2016

B. Outside UP

1. Vice-Chair, Philippine Red List Committee (Fauna), Department of Environment and Natural Resources, since 2015;
2. Member, Technical Working Group on Mammals, Philippine Red List Committee (Fauna), Department of Environment and Natural Resources, since 2015;
3. Member, Scientific Advisory Panel, Palawan Council for Sustainable Development, since 2015;
4. Member, Scientific Committee, Convention on the International Trade of Endangered Species of Plants and Animals (CITES), Department of Environment and Natural Resources;
5. Member, Philippine Eagle Working Group, Department of Environment and Natural Resources since 2010;
6. Chair, Philippine Long Term Ecological Research Network (PhiLTER), since 2012;
7. Member, Board of Trustees, Philippine Eagle Foundation, since December 2010;
8. Member, Science Committee, Philippine Eagle Foundation, since 2008;
9. Member, IUCN Species Survival Commission Primate Specialist Group (IUCN SSC PSG) 2017-2020;
10. Member, IUCN Species Survival Commission Small Mammal Specialist Group (IUCN SSC SMSG) 2017-2020;
11. Member, International Long Term Ecological Research Network (ILTERnet) Coordinating Committee, since 2014
12. Member, International Long Term Ecological Research Network-East Asia and Pacific Executive Committee (ILTER EAP), since 2012

IV. Former Positions

A. Within UP (selected)

2006-2012, Director, Institute of Biology, College of Science, UP Diliman

2016, UP President's Representative Search Committees for the Deanship, School of Labor and Industrial Relations (SOLAIR), UP Diliman

- 2012-2013 (various periods), In Charge, Office of the Director, UP Center for Integrative and Development Studies
- 2013, Member, Oversight Committee and Technical Working Group on UP Arboretum Master Plan
- 2013, Member, UPD Fact Finding Committee on the 2012 NCPAG Curricular Program Review and Workshop
- 2011, UP President's Representative Search Committees for the Deanship, College of Forestry and Natural Resources, UP Los Banos
- 2010, Chair, Ad hoc Committee to Study the Present State of the UP Arboretum
- 2009-2011, Chair, University of the Philippines Diliman University Council Committee on Academic Policies and Programs
- 2008-2011, Senior Faculty Member, University of the Philippines Diliman University Council Committee on Academic Policies and Programs
- 2007, UP President's Representative Search Committees for the Directorship, Institute of Agroforestry, College of Forestry and Natural Resources, UP Los Banos
- 2006, Convenor, Biodiversity Conservation Program, UP Center for Integrative and Development Studies

B. Outside UP (selected)

- 2013-2016, Member, National Renewable Energy Board, Department of Energy
- 2013, Member, National Research Council of the Philippines
- 2010-2012, Vice Chair, Foundation for the Philippine Environment
- 2008-2012, Member, Board of Trustees, Foundation for the Philippine Environment
- 2010-2013, Vice-chair, National Steering Committee, United Nations Development Programme, Global Environment Facility, Small Grants Programme (UNDP GEF SGP) 4th Operational Phase
- 2009, Member, Phi Kappa Phi Honor Society
- 2008-2013, Member, National Steering Committee, United Nations Development Programme, Global Environment Facility, Small Grants Programme (UNDP GEF SGP) 4th Operational Phase
- 2008, Member, Phi Sigma Biological Honor Society
- 2007-2010, Chair, Wildlife Conservation Society of the Philippines
- 2005-2011, Treasurer and Member, Board of Trustees, Philippine Tropical Forest Conservation Foundation
- 2003-2008, Chair, Philippine Federation for Environment Concerns
- 2003-2006, Chair, Joint Programme Committee of the Philippine-Netherlands Biodiversity Research Program for Development in Mindanao: Focus on Mt. Malindang and Its Environs
- 2002-2003, Science Director, Conservation International (secondment)
- 1999-2002, Country Director, Conservation International (secondment)

V. Areas of Expertise:

Biodiversity Conservation and Management; Wildlife Biology and Behavioral Ecology

VI. Educational and Training Background:

Ph. D. Science (Behavioural Ecology and Evolutionary Biology), Monash University, Australia, 1995*

M. Sc. Zoology (Minor in Wildlife Studies), University of the Philippines Los Baños, Philippines, 1988*

B. Sc. Zoology, University of the Philippines Los Baños, Philippines, 1983

*commenced Ph D in 1987 before completion of MS degree in 1988

VII. Selected awards

A. From UP

2015-17 University of the Philippines Scientist III

2012-14 University of the Philippines III

2014 Concepcion D. Dadufalza Awardee for Distinguished Achievement (awarded 2016)

PSOng CV (3 pager)

- 2016 to 2018 One UP Professorial Chair Award in Biodiversity (Wildlife Biology) for Outstanding Work in Research and Public Service in UP Diliman
- 2009-2016 Energy Development Corporation UP Centennial Distinguished Professorial Chair in Biodiversity
- 2008 UPD Jose Kabigting Santos Professorial Chair in Biology
- 2007 UPD Jose Kabigting Santos Professorial Chair in Biology
- 2006 UPD Gregorio and Carmen Velasquez Professorial Chair in Biology
- 2005 UPD Francisco Nemenzo Sr. Professorial Chair in Biology
- 2009 UPD Gawad Chancellor Natatanging Guro Award
- 1999 UPD Gawad Chancellor Pinakamahusay *na Aklat Philippine Archipelago*, (Science and Technology Cluster)

B. Outside UP

- 2011 Agham Congressional Medal of Excellence in Research and Development in Wildlife Biology, Philippine House of Representatives (Congressman Angelo B. Palmones)
- 2009 Kalikasan Awardee, Philippine Society for the Study of Nature (PSSN)
- 2008 Outstanding Alumni for Environmental Conservation and Sustainable Development, University of the Philippines Alumni Association
- 2004 Hugh Greenwood Environmental Science Award, National Academy of Science and Technology
- 2002 Jose Rizal Inaugural Award for Excellence in Science and Technology, Manila Times, Federation of Filipino Chinese Chambers of Commerce and Industry Inc., the Philippine Chinese Charitable Association Inc., the Chinese-Filipino Business Club, Inc., and the Kaisa Para sa Kaunlaran Inc.
- 2000 Hiyas Environmentalist of the Year, Rotary Club of Hiyas ng Maynila, R. I. District 3810
- 2000 Outstanding Young Men (Environment/Conservation) Philippine Jaycees, TOYM Foundation, Gerry Roxas Foundation
- 2000 Outstanding Young Scientist Behavioral Ecology and Evolutionary Biology, National Academy of Science and Technology

VIII. Summary of Publications

- 30 Journal Articles
- 4 Books
- 13 Book Chapters
- 3 Field Guides (3 as co-authors; 3 as editor)
- 2 Published Reports
- 24 Proceedings in scientific conferences
- 5 On Line Publications
- 69 Contributions to the 2004 Amphibian Assessments in the IUCN Red List
- 42 Contributions to the 2008 Mammal Assessments in the IUCN Red List
- 20 Contributions to the 2014 Mammal Assessments in the IUCN Red List
- 1 Book Review (post publication)
- 1 Book Review (pre-publication)
- 6 articles in Magazines and Newspapers
- 2 Unpublished Reports

Complete list of publications is available upon request.

Partial list can be found here: http://www.biology.upd.edu.ph/?page_id=791

IX. Projects and programs designed and implemented

Complete list of projects and programs designed and implemented, is available upon request. Partial list can be found here: http://www.biology.upd.edu.ph/?page_id=572

X. Presentations made

Complete list of presentations (papers and posters) in national and international conferences, is available upon request

XI. Conferences organized and other roles

Complete list of conferences organized and participated in is available upon request

Continuity & Constructive Change: UP Science in a Changing World 30+ Years Since, 30+ Years Hence

**Perry S. Ong
Professor, UP Biology
Nominee for the Deanship, College of Science**

I. Introduction

When the College of Science was formed on 6 October 1983 more than 30 years ago, things were very different then. To illustrate, the PC revolution was just starting. The internet was just peeping in the horizon. The technology to better understand the DNA was unravelling. Fermat's Last Theorem remained unproven. Einstein's hundred-year old prediction about gravitational waves was still to be confirmed. The Land-Bridge Connection of the Philippines to Mainland Asia Theory was the dominant paradigm in schools. Benham Rise was still of geological interest only. The Philippines as a megadiversity country and one of the global biodiversity hotspots was still to be recognized. Nuclear Armageddon was the main issue threatening the existence of the human species. Climate Change was nowhere in sight. The European Union was still a dream. The list is endless.

In the local front, Benigno "Ninoy" Aquino Jr had just been assassinated, the political landscape was in chaos. With two presidencies by his wife and son, the mastermind remains scot-free and the mystique of his death continues. Juan Edgardo "Sonny" Angara was just 11 years old, probably had no inkling about following the footsteps of his father who was instrumental in the creation of the college. Does anyone remember the 1983 UP MRC's (Management Review Committee) recommendations? The National Science Complex was not even in anyone's mind. UP's new charter was still a figment of our imagination.

With the changes that had happened more than 30 years since: Where are we now? Where are we headed? What will the College look like more than 30 years hence? Is the College prepared for this? How should the College respond to the impending changes that are looming in the horizon and to those already in our midst? Answering these key questions should guide the next Dean of the College to ensure that the College remains relevant and responsive to the needs of the times and beyond.

Furthermore, with these questions in mind, stocktaking is needed:

- What have been accomplished? What remains to be accomplished?
- What were the factors that allowed for these accomplishments?
- What were the factors that prevented or hindered tasks to be accomplished?
- How can the strengths of the College be enhanced?
- How can we address our weakness as a College?
- What resources do we have? Are they optimally used?
- What resources do we still need? Human (faculty items, REPS items; succession planning); Financial; Infrastructure; Equipment; Social, Cultural; Others
- What networks do we have? How can these networks help us sustain the College?

The answer to these questions will frame what needs to be done in the immediate term (next three years), the medium term (four to nine years) and the long term (10 years and more)

Also the College is like a complex system and I am aware that we have faculty members (physics, math, CSRC among others) involved or interested in complex systems research, maybe they can take this up as their contributions to move the College forward?

One possible key to the answers would be Data Mining. We need to data mine the college's resources so that these could be optimally used for the best interest of the college, the university, the Filipino people, and the world. Maybe we can find connections within the college that we did not know exist. The key is to have our database in order in such a way that it could be data mined. This will facilitate the tasks ahead.

The inputs of the whole CS community as well as the rest of the UP community would be necessary to address the immediate-, medium- and long- term needs and future directions of the College.

II. The Business of the College of Science

A. The Legal Basis

In 1983, the UP BOR approved the creation of the College. Its current mandate is further derived from two basic documents: Republic Act 9500, "*An Act Strengthening the University of the Philippines as the National University*" known as the New UP Charter of 2008 wherein UP's raison d'être had been declared as being (a) a graduate university, (b) a research university, (c) a public service university, and (d) a regional and global university and Executive Order 583 creating the National Science Complex (NSC) issued by then President Gloria Macapagal Arroyo in 2006 wherein the nine constituent institutes of the College of Science were identified as integral components. There we as no explicit mention on what role the College of Science plays in the NSC. What I remembered hearing from then **DEAN CAESAR A. SALOMA** was that the CS is the operator of the NSC. What does it mean to be the operator of the NSC? The notable items mentioned in EO 853 are the (a) Technology Incubation Park (TIP) and the (b) UP S & T Park. Upon closer examination, EO 583 was based on a resolution approved by the UP BOR during its 1213th Meeting of the UP BOR on 29 September 2006. Furthermore, the following section from EO 583 is relevant in considering the College's future:

"...SECTION 2. Management, Operation and Institution of the National Science Complex and Technology Incubation Park. – The UP Board of Regents is hereby authorized to organize the abovementioned institutes, and such other additional institutes, centers, departments and laboratories in the future which it may deem proper to create, utilizing the staff, physical facilities and programs of the University and its constituent units as appropriate. It shall issue such rules regulations and other issuances as may be necessary to ensure the effective implementation of this Executive Order..."

It seems that the last sentence of this provision had not been complied with. It appears that no Implementing Rules and Regulations (IRR) were issued by the university to clarify how the NSC will operate once the buildings were completed. This is an action item that needs to be addressed. Furthermore, based on the 2012 approved Land Use Plan for UP Diliman, just south of the NSC after C. P Garcia Avenue, is an area designated as the South Technology Complex. This could be included as part of long term resource generation plans for the College.

B. The Mission of CS

The Mission of the College is to generate new scientific knowledge that improves the accuracy of our understanding of how Nature works (scientific research), and to guide and supervise the next generations of scientists and researchers of the country (mentoring). This can be further summarized as:

- Knowledge Generation (Research)
- Knowledge Distribution (Teaching)
- Knowledge Translation (Extension)

C. Five Internal Pillars of the College:

The college has five internal pillars comprised of the Faculty, Researchers, Administrative Staff, Students (graduate and undergraduate) and the Alumni. Ensure that the five pillars are made to complement each other and enhance chances of attaining the mission of the College

D. Working with Others

The need to work with other institutions cannot be overemphasized:

1. other units in the UPD and the UPD administration as well as the UP System and other constituent units
2. Other Government Institutions (e.g., CHED, DOST, DENR, DA, DOT)
3. Industry
4. Civil Society
5. International Community and Institutions

E. Some food for thought that underpin this plan of action

There is a need to Change MAPs (Mindsets, Attitudes and Practices) and Bridge GAPs (Goals, Aspirations and Passion) if this plan of action is to be successfully implemented.

Among the main MAP that needs to be changed is as follows:

1. The College is simply not only an institution teaching the sciences, churning graduates year after year and contributing to the generation of knowledge. With EO 583 and RA 9500, the responsibilities of the College had been expanded and it is high time that these are addressed head on by the College as an institution;
2. As the leading institution in science, the College should dare to ask the tough questions and search for answers, working within the sciences and outside as well;
3. The limits to what can be done should be limited by the creativeness to dream and the daringness to seek knowledge and truth;
4. Pursue Coopetion (Cooperation and Competition). While each individual faculty member is encouraged and provided with the nurturing environment to excel in their own right, to be the best that they can, the need to work together in a spirit of cooperation should not be lost in such a competitive environment.

III. My Role as Dean

I see myself as playing various roles at various times to the five pillars of the College (The 6 Cs): Coach; Conductor; Catalyst; Cheer leader; Critic and Colleague, simply. A possible 7th C - Capital Generator (involves Search for Donors and Contacts; Donor Establishment; Donor Cultivation; Project Proposal Development; Project Implementation; Project Monitoring and Reporting) to make sure that the mission of the College is attained. To do so, I would need to rely on the goodwill and trust of the people who makes up the College and help me implement this plan of action.

Based on what I have experienced in the past 34 years, generation of capital to address the needs of the College is not that difficult a problem to deal with. The funds to be secured will be limited by the ideas that can be developed, generated and presented. Funds will be available when needed to fund good ideas. And the College has time and again proven that it can be a source of many excellent ideas.

IV. Plans for the College

A. Unfinished Business

1. Elevation of remaining Institutes as National Institutes
2. Completion of remaining infrastructure needs (CS Admin Building)
3. Implementation of EO 583, operationalization of the NSC as possible source of resource generation for the College
4. Amendment of EO 583 to include the South Technology Sector

B. Immediate Tasks

1. Completion of revision and updating of curriculum (Undergraduate and Graduate);
2. Institution of Ph D by research in all other graduate programs (where appropriate) to hasten the mentoring process;
3. Enhance the role of the National Science Consortium to ensure a steady source of graduate students;
4. Work with NISMED more closely for the development of educational materials, other training materials and conduct of training to respond to the needs of the K 12. This will ensure that the College will have a source of quality undergraduate students;
5. Develop a program that can data mine the College's resources so that hitherto hidden potential interactions between and among the College's human resources and other resources can be optimized to pursue new avenues of interactions (e.g., research, teaching, training, etc.)
6. Develop mechanisms to encourage units to work with each other that could lead to interdisciplinary research (within Science; with other colleges, with other CUs, with other institutions; some are already in place). Work with the CSRC on how to use technology to enhance the conditions to work together;
7. Since there is an Academic Affairs Committee under the Associate Dean for Academic Affairs, create a Research and Extension Committee under the Associate Dean for Research and Extension; an Administrative Affairs Committee (currently referred to as Associate Dean for Resources) to include the TIP and the South Technology Sector. The task of the Associate Dean for

Student Affairs will be expanded to include. This can be done by convening the deputies of these tasks from the units and work together;

8. Synchronize CS NSTP so that the service training to be provided will be more systematic and create better impacts;
9. Undertake stocktaking as described earlier as basis for long term plans;
10. Identify a product that is unique to the College that can involve all units;
11. Update the College website to make it a go-to site for communication.

C. Potential projects (infrastructure and operational) to pursue

1. Elevation of the Science and Society Program into an Institute
2. Elevation of Materials Science and Engineering Program into an Institute
3. Development of the Science Knowledge Center (including a Museum of Philippine Biodiversity)
4. Establishment of the Philippine WILDFORCE (WILDLife FORensic Center)
5. Operationalize NSC, CS as operator of the NSC

V. How much time is available to accomplish these tasks?

3-year term (52 weeks/year, 5 days/week=260 working days/year) = 780 days in 3 years

3 years, 24 holidays/academic year = less 72 days (based on Academic Calendar 2017-18)

3 years, 5 days xmas break a year = less 15 days

3 years, 5 days mandatory leave a year = less 15 days

3-year term = 678 working days. What can realistically be achieved in 678 days?

It is obvious that 678 days would not be enough to get all of these plans of action implemented. All the big questions presented at the beginning of this document will have to be addressed as part of the long term plan for the College. Whatever the results of the Stocktaking and Assessment will produce a long term plan that will address the issues raised (e.g. preparing for the future). It is essential that all stakeholders (particularly the five pillars) have a buy-in to the stocktaking and assessment and the resulting plans, such that whoever will lead the College next will have to implement these plans. This will ensure long term stability for the College and the pursuit of its mission and mandates.

All these will be developed as a program for the College to rally around:

BLISS Philippines

**Building the
Leading
Institution in
Science in the
Service of the
Philippines**

I hope that I will be given the chance to pursue the implementation of **BLISS Philippines**.