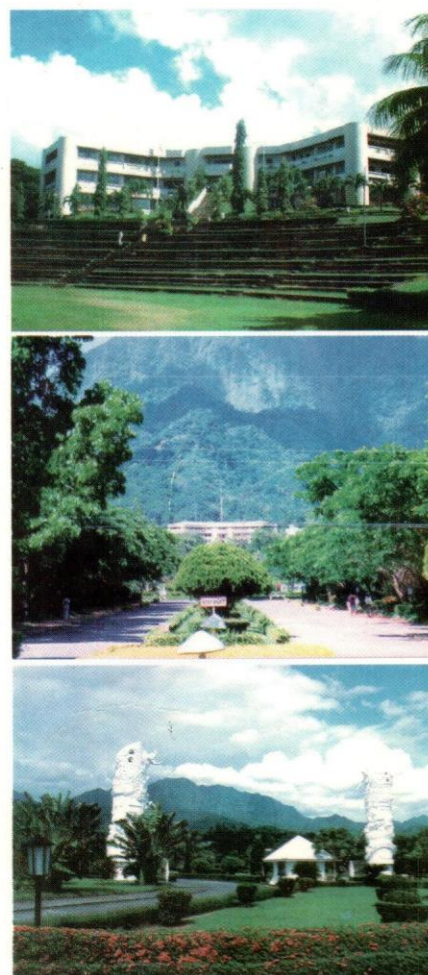




LSU

Visca, Baybay, Leyte
Philippines



Annual Report 2005

Vision

LSU as center of excellence in education and research in agriculture and allied fields in the Visayas.

PANGLANTAW

Ang LSU mao ang sentro sa kahanas sa edukasyon ug pagpanukiduki bahin sa agrikultura ug sa ubang susamang pagtuon dinhi sa Kabisayaan.

Mission

Attainment of the highest quality of human capital and scientific knowledge for the sustained growth and development of agriculture, fisheries, forestry, and agro-industries.

KATUYOAN

Pagkab-ot sa pinakataas nga kalidad sa pagpalambo sa kahibalo ug kasinatian sa siyensiya alang sa tunhay nga pag-ugmad sa agrikultura, pangisda, kalasangan, ug mga industriyang pang-agrikultura.

Leyte State University

6521 Visca, Baybay, Leyte, Philippines



Office of the President

22 May 2006

Her Excellency

President Gloria Macapagal-Arroyo

Republic of the Philippines

Malacañan, Manila

Through:

Dr. Nona S. Ricafort

Chairman, Board of Regents

Leyte State University

Madam:

May I have the honor to submit the Annual Report of the Leyte State University (LSU) for CY 2005.

This report summarizes the University's achievements in line with its thrust for countryside development and reflects the unity and dynamism of its constituency in realizing institutional goals and objectives.

Let me convey my profound gratitude for your generous and continuing support for LSU's growth and enabling the institution to carry out its role in support of national development.

Very truly yours,

A handwritten signature in black ink, appearing to read "P. Milan".

PACIENCIA P. MILAN

President

Foreword



The Leyte State University (LSU) recounts its 2005 accomplishments with a great sense of achievement. Its activities during the year zeroed in on maximizing its competence and meager resources to provide top-quality services and outputs for countryside development. While striving to buttress its budgetary allocation from the government through income-generating projects and by drumming up local and international support to its programs, it instituted reforms such as streamlining of manpower and other resources, revitalizing academic programs to cater to manpower demands of the country as well as attract more students, and establishing partnership with local communities and agencies/institutions in research and community development endeavors.

One of the University's most strategic steps undertaken to foster institutional collaboration/

linkage was the creation of the Office of the Vice President for Development and External Affairs (OVPDEA) to work in tandem with the reconstituted Offices of the Vice President for Administration and Finance (OVPAF) and Vice President for Academic Affairs (OVPA) in obtaining external support for its programs.

The institution likewise sustained its bid to be called Visayas State University, believing that such name befits its scope and influence in agricultural education, research, and development. The proposal for change of its name earned the unrelenting sponsorship of Congresswoman Carmen L. Cari of the 5th District of Leyte and her colleagues in the House of Congress.

For accomplishing its tasks with deep commitment and high level of competence, LSU reaped more accolade and recognition during the year. In all its feat, however, the Administration gratefully acknowledges the indefatigable efforts of program supporters, benefactors, students, faculty and staff, clientele, the government and civil society in realizing the University's continuous growth.


PACIENCIA P. MILAN

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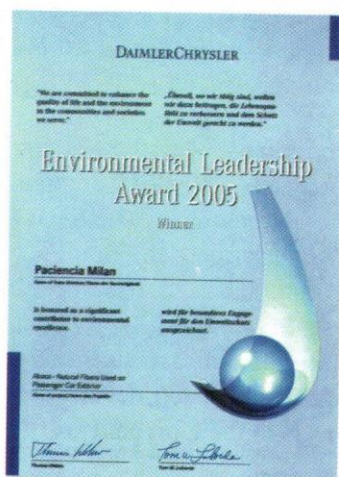
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Highlights

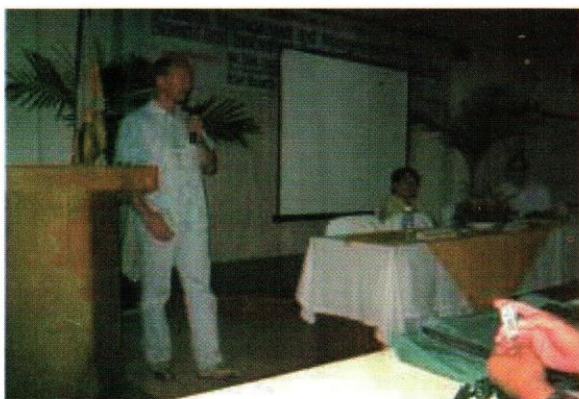
LSU unleashed the best of its competence and resources in pursuit of instruction, research, extension, and production functions; and attained the following major achievements in 2005:

Earned recognition as 3rd among the top performing agricultural schools in the country, 7th among the top ten best performing schools/institutions offering Chemistry degree program, and one of the best five forestry schools in the country - based on the results of the 2005 licensure examinations for agriculturists, chemists, and foresters conducted by the Professional Regulation Commission (PRC).

LSU President, *Dr. Paciencia P. Milan*, received an **Environmental Leadership Award 2005** from the DaimlerChrysler during the 4th Magdeburg Environmental Forum in Magdeburg, Germany on November 15, 2005 for having been "a significant contributor to environmental excellence through her involvement in the project, Abaca-Natural Fibers Used on Passenger Car Exterior." Dr. Milan was also elected President of the Environmental



LSU President with her Environmental Leadership Award.



(Left photo) Mr. Dirk Hoffman, BSH Vice President for Marketing and Operation sharing some insights through a lecture on "Strategic Management and Management of Products, Brands and Innovation Based on International Landscape". (Right photo, L-R) Prof. Dr.-Ing Werner Muehlbauer (University of Hohenheim), Prof. Robert Kohler (VP DaimlerChrysler), Dr. Michael Inacher (VP DaimlerChrysler), Dr. Roberto C. Guarte (Dean, DEAI, LSU), Engr. Sonnie Sinon (Instructor/Researcher, NARC, LSU), Prof. Dr. Friedrich Göltenboth (University of Hohenheim), Dr. Peter Hutter (President, Euronature) during the demonstration on the operation of the PPP-Abaca Stripping Machine and its turn-over to the Cienda-San Vicente Farmers' Association.

Education Network of the Philippines (EENP) and President of the Philippine Association of State Universities and Colleges (PASUC) Lady Presidents' Club.

The University was granted by the European Nature Heritage Fund (EURONATUR) in Radolfzell, Germany a financial support of Euro 4,300 for the project "Marine Turtles on Philippine Islands" to protect marine turtles from extinction.

The LSU ROTC Unit emerged as the Best ROTC Unit of Region VIII during the 2004-2005 Regional Annual Administrative Performance Evaluation/Tactical Inspection (RAAPE) on January 29, 2005.

Concerned about the reported cassava poisoning in San Jose, Mabini, Bohol, the Philippine Root Crop Research and Training Center (PhilRootcrops), conducted a thorough study on the incident and issued an official statement dated March 14, 2005 emphasizing that the poisoning could not be due to inherent hydrocyanic acid (HCN) content of cassava from Mrs. Anita Luyong's farm because the two qualitative tests conducted by the team of specialists from PhilRootcrops showed that the cassava roots in the area contained moderate amount of HCN at 50-100 ppm which was safe for food specially if the preparation process involved application of heat at 28°C and above.

In its continuing effort to strengthen further its system of operation, the University modified its organizational structure which resulted in the creation of the Office of the Vice President for Development and External Affairs (OVPDEA) and the reconstitution of the offices of the other two vice presidents of the LSU System – the Office of the Vice President for Administration and Finance (OVPAF) and Vice President for Academic Affairs (OVPA).

Because of its strong partnership with German institutions, especially in the PPP-ABACA Project, LSU played host to the 2nd South-South-North Natural Fiber Dialogue on March 4-6, 2005 that convened automobile manufacturers, investors, and researchers from Brazil, Germany, Singapore, Switzerland, Thailand, and Philippines to exchange ideas relevant to the theme "Natural Fiber for Industrial Purpose: Current Issues."

In compliance with the National Ethics Review Board (NERB), LSU created the University Ethics Review Board (UERB) tasked to establish an institutional mechanism for reviewing research proposals related to biochemical and non-biomedical studies for ethical consideration and ensure uniform ethical standard in the conduct of research, development, and extension projects in the University.

Table 1. Passing rate and number of toppers in professional licensure examinations.

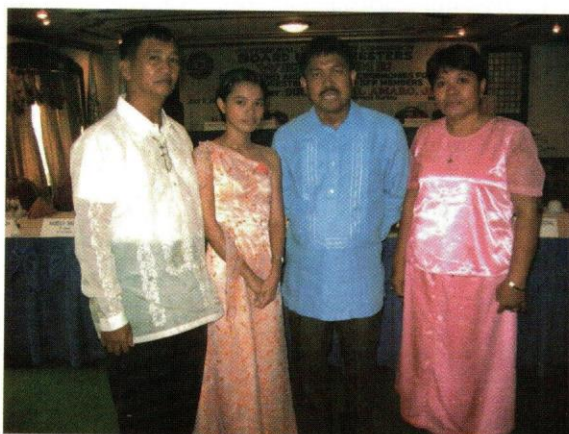
EXAMINATION	Date of Examination	Top 10 Rank	Institutional Passing Percentage	National Passing Percentage
Agricultural Engineers	August 24-25, 2005	1 st , 5 th , 7 th	81.82	48.06
Foresters	June 13-15, 2005	1 st , 2 nd	44.44	35.12
Veterinarians	Aug. 30-31, Sept. 1, 2005	3 rd , 7 th	41.18	37.64
Agriculturists	July 6-8, 2005	9 th	46.15	29.78
Chemists	September 5-6, 2005	-	50.00	46.48
Teachers	August 14, 2005	-	-	-
Elementary		-	75.01	27.51
Secondary		-	87.50	25.89

INSTRUCTION

Two LSU graduates, *Angelica P. Pame* and *Maria Cristina Bandalan-Cañada*, got the 1st and 2nd places, respectively, in the 2005 Foresters Licensure Examination conducted in June 2005. *Alvin C. Alvarado*, *Jose Mari C. Cabahug* and *Lyman Denis O. Moreno* got the 1st, 5th and 7th places, respectively, in the 2005 Licensure Examination for Agricultural Engineers. Two graduates of Doctor of Veterinary Medicine, *Naomi Ruth D. Quero* and *Dandy Lou A. Moquia*, ranked 3rd and 7th places, respectively, in the Veterinarian Licensure Examination given in August-September 2005.

Moreover, four LSU graduates got into the top 20 places in the Licensure Examination for Agriculturists: *Rey Anthony D. Cojuangco* – 9th place, *Roland V. Rallos* – 13th place, *Pastor Garcia, Jr.* – 16th place, and *JayFred Gaham V. Godoy* – 20th place.

The Bachelor of Science in Hotel, Restaurant and Tourism Management (BSHRTM) was offered effective 1st semester of SY 2005-2006 and the non-thesis Master in Biology, a joint program of the LSU-Main Campus and the Leyte Normal University, Tacloban City, was offered effective 2nd semester of SY 2005-2006 at the LSU-Main Campus.



(Left photo) Miss *Angelica P. Pame*, 1st placer of the 2005 Foresters' Licensure Examination, with her parents and *Dr. Eduardo O. Mangaong*, LSU's Dean of College of Forestry (2nd from right), after the oath-taking ceremony in Manila; (right photo) *Dr. Jose L. Bacusmo*, LSU Vice President for Academic Affairs (4th from left) poses with Agriculture Secretary *Domingo F. Panganiban* and the PRC Board after receiving the LSU award from PRC as one of the top performing agricultural schools in the country.

The Four-Day Class Week was implemented starting 2nd semester SY 2005-2006 where classes start at 7:00 A.M. and end at 5:30 P.M. without noon break from Monday to Thursday to make Friday a free day. The scheme was implemented in support of the nationwide energy cost saving measure and to encourage LSU students to fully utilize Friday for library and other research work. This system is, however, under observation for one or two years.

The LSU Board of Regents (BOR) approved the granting of a special scholarship to one (1) qualified dependent of University employees (faculty and staff) who die while in active service. It also approved a fixed tuition fee for weekend classes and variable honorarium rates for professors based on the number of students per class.

Student Awards

Latin Honors. Thirty-eight graduates of the LSU Main Campus and one from LSU-Alangalang Campus were accorded Latin honors, as follows: *summa cum laude* – 1, *magna cum laude* – 5, and *cum laude* – 32 in the Main Campus and 1 *cum Laude* in the LSU-Alangalang Campus during their commencement exercises.

Regional Awards. Twelve (12) students of the LSU Laboratory High School (LSULHS) and seven college students received awards from UP Tacloban – 1 (*Debate-Team Category*), UP Sidlangan – 4 (*Quiz – Individual and Team Categories*), POSTE – 5 (*Team Category*), Philippine Statistics Region – 3 (*Statistics Quiz*), and National Milo Marathon – 1 (*10-km race*).

Institutional Awards. Nine college students and also nine high school students were given awards by USSO – 3 (*Leadership and Endeavor Awards*), DevCom Alumni Association – 1 (*Best Undergraduate Research Paper of the Department of Development Communication*), Phi Delta, the Honor Society of Science – 4 (*Outstanding Undergraduate Thesis Award – Pure Biological Science, Social Sciences, Physical and Environmental Sciences, Applied Biological Sciences Categories*), Committee on Sports and Socio-Cultural Affairs of the University Supreme Student Council – 1 (*LSU Singing Idol*), and LSULHS Math/Science Fair and Congress – 4 (*Individual and Group Categories*).

Faculty Promotion

Ninety seven (97) faculty members of the LSU Main Campus obtained their promotion through NBC 461, second cycle evaluation, effective December 1, 2005.



Miss Marianne Agnes M. Taveros, *Summa Cum Laude*, receives one of her awards from LSU President Dr. Paciencia P. Milan.



The recommended lines of tomato: UPL Tm-95-12 (top-left); MMSU Hy3 (bottom-left); and eggplant lines: A-300 (top-right) and 89-002 (bottom-right).

RESEARCH & DEVELOPMENT

LSU carried out its research and development activities in support of government's drive for technology-based sustainable agricultural development.

The National Abaca Research Center (NARC) identified seven promising abaca accessions for pulp and paper industry, namely: Bulao-luno, Samina, UP-USP-CAF #2, Laguis #13, Layahon #3, Laguis #15, and Calbayogonon. Five of these accessions (Bulao-luno, Samina, UP-USP-CAF #2, Laguis #13, and Calbayogonon) were noted to be potentially useful for the handicraft industry but handicraft processors preferred Puti # 1 and Sugmad Pula due to their fiber qualities.

Among the new-bearing coconut accessions characterized by the National Coconut Research Center-Visayas (NCRC-V), the local tall (SWT) had the highest (more than 300 g) copra yield per nut, fruit quality value at 0.53, and meat thickness from 11.17 mm (SRT) to 11.79 (SWT). BNV, a dwarf accession, yielded about 270.7 g of copra per nut and had the thickest meat of about 12.16 mm.

Of the 174 cassava hybrids screened and evaluated for tolerance to mites and scale insects by the Philippine Root Crop Research and Training Center (PhilRootcrops), MOP 57-8, CMP 87-5, and CMP 87-8 were observed to be highly tolerant to scale insects while MOP 42-17 and MOP 61-9 were highly tolerant to mites. However, MOP 53-81 showed highest tolerance to both mites and scale insects.

The Department of Horticulture (DOH) recommended two lines of tomato, UPL Tm-95-12 and MMSU Hy 1 and 3, to the National Seed Industry Council (NSIC) for national production and Region 1 production, respectively, and eggplant lines A-300 and 89-002 for national production. In its research studies conducted, DOH noted that of the six (6) promising lines of pole sitao, only KU8-2 outyielded the check variety (PSB PS2) by about 1.6 tons/ha. Aphid infestation and mosaic virus infection were not observed in all entries evaluated.

Awards and Recognition

Some LSU staff and researchers reaped awards from various international, national, regional and local institutions for their commendable performance in teaching and research.

International Awards. Two faculty members received awards from international agencies/institutions for outstanding graduate paper and environmental leadership.

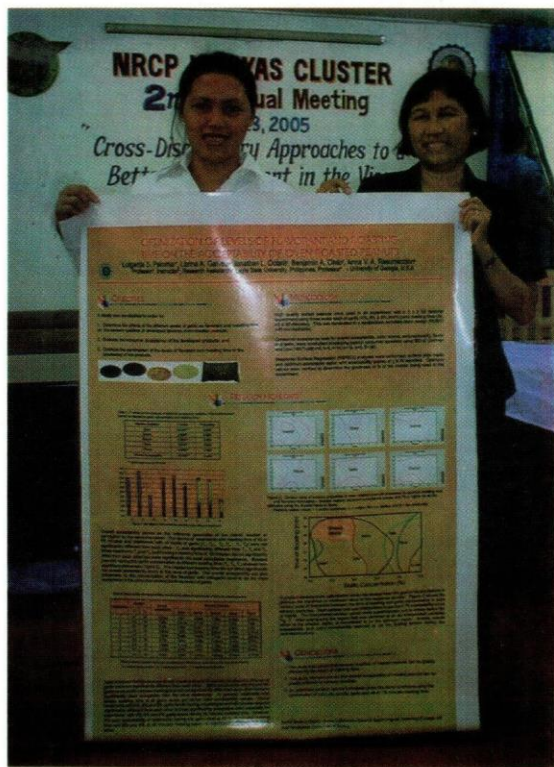
Professorial Chair. A researcher of the Philippine Root Crop Research and Training Center (PhilRootcrops) was granted a professorial chair by the Philippine Agriculture and Resources Research Foundation, Inc. (PARRFI).

National Awards. Twenty-eight faculty members and researchers bagged a total of 12 awards from national organizations/agencies: 1- *Best Research Paper* (2nd place) from DOST and PCAMRD; 4 - *R & D Best Paper Award*

(2nd and 3rd places) from DA-BAR; 3 – *Best Research Poster* (1st & 3rd places) from NRCP, PAPTC and FIMFS; 1 – *Dangal ng Bayan Award* from UGCHDI; 2 – *Likha Award* (3rd place); and 1 – *Best Paper Award* from the VZNAMRD and PCAMRD.

Regional Awards. Fourteen faculty members and researchers obtained awards from RRDEN-VICARP for their research papers and another 14 received awards from NRCP-Visayas and RRDEN-VICARP for their posters, and two received awards as advisers of student researches.

Institutional Awards. In recognition of their exemplary performances, 10 faculty and staff of the Main Campus and eight from the LSU-Alangalang Campus were accorded awards during their institution's founding anniversary. Other awards were given by USSO – 5 (*Keeper of Service Award*), LSU-EURONATUR – 1 (*ECO Farmer Award*), LSU-Alangalang Campus – (*Loyalty Award*) to eight personnel.



Dr. Lutgarda S. Palomar (right) and Ms. Lorena A. Galvez with their winning poster.

EXTENSION

LSU optimized its extension services despite meager financial and physical resources. In support of the Agriculture and Fisheries Modernization Act (AFMA), its extension activities focused on strengthening the capability of the local government units and other agencies to provide extension services to communities. Among others, the University provided the following extension services:

Technical assistance to three *NGOs in Leyte* – on managing sustainable agriculture projects and **research collaborators** – on analyzing data and preparation of reports; **farmers** – on-site survey, disease identification/pest control of abaca, abaca production and management, abaca waste utilization, post harvest processing and utilization; **LGUs and other collaborating agencies** – formulation of provincial ordinance regulating the establishment of abaca plantation, harvest and transport of abaca plants and parts, and disease mapping and masterlisting of abaca farmers in 138 barangays in 9 abaca-growing municipalities of Leyte; **farmers/development workers/businessmen** - choice of makapuno/coconut planting materials, selection of suitable sites for coconut, choice of border plants and intercrops and fertilizer application on coconut, copra drying using the semi-direct type copra dryer, and coconut shell charcoal-making technology; **Triple A Plantech Enterprises in San Pablo, Laguna** - use of tissue culture protocol for ubi; **Bali Farm Crop Research Center (BFCRC) in Cagayan de Oro City** - use of tissue culture protocol and research collaboration on the optimization of *in vitro* and *ex vitro* protocol for purple yam; **Merro's Enterprises in Bunga, Baybay, Leyte** - facilitating order for rootcrop-based processing machines; **fisherfolks** - initial survey to identify possible area for tilapia pond using Excel variety in Barangay Damulaan, Albuera, Leyte; **private animal raisers** – on swine and sheep production; **fruit tree/vegetable/ornamental growers** - orchard/vegetable/ornamental establishment and cultural management, and flower induction and fruit initiation of mango; **farmers/students/researchers, etc.** - identification/diagnosis of

pests attacking their crops and appropriate control of specific pest species, culture of biocon agents, and microbial analysis of feeds; *municipalities of Inopacan, Isabel, Dulag, Leyte and Libagon, Southern Leyte and Leyte Island Program of the Provincial Government of Leyte* - in the field of forestry and environment; *People's Organization* - on seedling production as livelihood; *extension staff of LSU Isabel Campus, Municipal Technical Action Committee (MTAC) and Municipal Nutrition Council (MNC)* - operationalization of BIDANI strategy and assistance to NUTRIPAK association in compliance with DOLE requirements for registration and marketing of NUTRIPAK; *Out-of-School Youth/SK* - on the conduct of basketball tournament in seaside area of Barangay Pangasugan and how to formulate ground rules and to break a triple-tie using the quotient system in the basketball tournament at Brgy. Marcos, Baybay, Leyte; *development communication students* - in the production of their developmental dramas and radio documentaries.

Other extension activities included trainings, briefings, lectures, seminars, workshops; distribution of reading materials like leaflets, brochures, pamphlets, technoguides and providing planting materials on rootcrops, abaca, coconut, fruit trees, rice, corn, peanut, soybean and sorghum for free or at minimal cost; showcase of technologies through demofarms, nurseries, and exhibits at the Main Campus and off-campus agri-industrial fairs, exhibits, and garden shows; and fabrication and distribution of processing machines.

ALUMNI SUPPORT

The LSU Alumni Association, Inc. (LSUAAI) granted scholarship to five (5) LSU students starting 2nd semester SY 2005-2006 through the *Tabang Mo, Kaugmaon Ko* (Your Help, My Future) project. It also donated an internet server to the University.

Some alumni gave the following donations: Ms. Juvy Q. Subere - journals to the university

library; Dr. Fe. Abogadie-Bron – scholarship support for one scholar and one concrete bench for the LSU Nature Park; Ms. Candelaria Sales-Wijewikrema of Japan and Ma. Andone Fernandez-Ternura of Canada – 3 concrete benches for the LSU Nature Park; and Ms. Lynita Gatoc-Jones of USA – second hand fax machine.

DONATION

The Sartorius Company in Germany donated to LSU's Department of Agronomy and Soil Science (DASS) one unit of TE 313S Analytical Balance through the request of Mr. Carsten Marohn, a PhD student of the University of Hohenheim in Stuttgart, Germany who conducted his dissertation research at LSU.

COLLABORATION

LSU drew support for its programs by forging linkages/collaborations/agreements with the following institutions:

University of Natural Sciences (UNS), Vietnam National University-Hochiminh City (VNU-HCMC) in Vietnam - academic exchange and cooperation among faculty, staff and students of the two universities; *Academy for Educational Development (AED)* - population, health, and environment (PHE) advocacy; *Market Encounter Goes to Manila Foundation, Inc.*



LSU alumni pose at the proposed site of the "Balay Alumni."



Signing of the LSU-AED MOA on PHE Advocacy.

(MEGMA), Philippine Council for Agriculture, Forestry, and Natural Resources Research and Development (PCARRD), and four research consortia, namely: Central Luzon Agriculture and Resources Research and Development Consortium (CLARRDEC), Cotabato Agriculture and Resources Research and Development Consortium (CARRDEC), Ilocos Agriculture and Resources Research and Development Consortium (ILARRDEC), and Visayas Consortium for Agriculture and Resources Program (VICARP) - hasten the commercialization and utilization of research results and technologies in agriculture, forestry, and natural resources; Leyte Normal University - joint offering of a non-thesis Master in Biology program for qualified Faculty Development Program (FDP) scholars of the Commission on Higher Education (CHED); Department of Agriculture-Regional Field Unit No. 8 (DA-RFU 8) - use of biological control agents in the genera *Metarhizium* and *Beauveria* for jackfruit fruit fly; Tokyo University of Agriculture and Technology (TUAT) - collaborative research on nutrient and water balance for sago intercropped with taro and inventory and starch profiling of sago in Region VIII; Protected Areas and Wildlife Bureau (PAWB) of the Department of Environment and Natural Resources (DENR) - collection of Actinomycetes from selected soils in the Philippines for screening and possible production of antibiotics; Philippine Rice Research Institute (PhilRice) - conducting

technical review of the different approaches in producing a genetically modified abaca resistant to virus diseases; Philippine Council for Agriculture, Forestry and Natural Resources Research and Development (PCARRD) - use of the virus resistance technologies for sweetpotato (*Ipomoea batatas*) licensed to PCARRD to develop feathery mottle virus-resistant sweetpotatoes for the principal benefit of smallholder farmers in the Philippines; Local Government Unit of Albueria, Leyte and Albueria Abaca Producers Cooperative (AAPC) - technical and equipment assistance for the improvement and management of farm-to-market road and organizational development and management of the farmers association; and for the Cooperative to provide about 3 hectares for the farm area and 1,000 m² lot for the centralized processing center for a period of 50 years; Friedrich-Ebert-Stiftung (FES) Philippine Office - conduct of the project "Strengthening the Local Consortium for Out-of-School Youth Empowerment" in the seven municipal LGUs of Albueria, Baybay, Inopacan, Hindang, Hilongos, Bato, and Matalom, Leyte; Academy for Educational Development (AED) - support The Social Acceptability Project - Family Planning's (TSAP-FP) goal of increasing social acceptance of family planning and becoming a major partner of TSAP-FP advocacy in Eastern Visayas; LGU of Bato, Leyte - mapping of marine resources and generation of crops suitability maps for selected crops in Bato, Leyte.

Instruction

Instructional activities and outputs manifested the University's commitment to academic excellence and educational dynamism.

CURRICULAR OFFERINGS

Graduate Courses

LSU and the Leyte Normal University (LNU) entered into an agreement to offer graduate courses for the Master in Biology degree program under the LNU-LSU consortium.

Undergraduate

The Bachelor of Science in Hotel, Restaurant and Tourism Management (BSHRTM) was offered in the Main Campus effective 1st semester of SY 2005-2006. The LSU-Isabel

Leyte State University (LSU)

Annual Report 2005



The Administration Building (right) meaningfully served as the start-off point of the processional march to mark the dishing out of another batch of LSU graduates during the 2005 Commencement Exercises at the LSU Amphitheater (left).

Campus also offered Physical Education, Health and Music (PEHM), English, and General Science as additional major courses under the BSED program and implemented the newly revised courses of the BSAB curriculum effective 1st semester SY 2005-2006.

The following newly approved proposals were likewise implemented: offering of 5 units Zoology course for the College of Veterinary Medicine and change of course description and pre-requisite of Biol 192; revision of the Doctor of Veterinary Medicine curriculum; change of the course title of some major courses in BS Biology major in Botany; and revision of the existing guidelines in determining faculty workload for teaching high school subjects.

CURRICULUM DEVELOPMENT

Graduate Courses

The Department of Biological Sciences (DBS) prepared a proposal to offer Master in Education major in Biology.

The College of Agriculture's Curriculum Committee reviewed the proposal of the Department of Plant Breeding and Genetics (DPBG) to offer MS in Plant Breeding.

Undergraduate Courses

The following proposals were indorsed to the Board of Regents (BOR) for approval: change of the name of FOR 154 from Parks and Wildlife to Principles of Wildlife Management, revision of the BS Agricultural Engineering and Bachelor of Animal Science curricula, and offering of BS in Economics.

Submitted to the University Curriculum Committee (UCC) for review were the following proposals: conversion of the Bachelor of Science in Agricultural Development (BSAgDev) to Bachelor of Science in Development Education (BSDE) and offering of BS Communication and Development Studies

The following departments likewise proposed to offer new courses: Department of Pure and Applied Chemistry (DoPAC) - Bachelor of Science in Biotechnology; Department of Liberal Arts and Behavioral Sciences (DLABS) - English as a major field under the Bachelor of Secondary Education (BSEd) curriculum; and Department of Biological Sciences (DBS) - Biological Sciences as major field under the Bachelor of Secondary Education curriculum.

Enrolment Profile

The 1st semester, school year 2005-2006, student enrolment of the LSU Main Campus totaled to 3,867, composed of 172 graduate students (13 Ph.D., 159 MS/MAgDev/MEd)); 3,690 undergraduate students; and 5 students in the non-degree program (Table 2). The LSU Laboratory High School (LSULHS) at the Main Campus had a total enrolment of 497 students, composed of 201 boys and 296 girls.

The satellite campuses had the following student enrolment: Alangalang Campus - 523; Isabel Campus - 793; Tolosa Campus - 226; and Villaba Campus -393.

Graduates

The LSU Main Campus presented 583 graduates during its 53rd Collegiate Commencement Exercises, which include 24 graduates in the graduate program (2 PhD, 9 MS, and 13 MAgDev); 554 in the undergraduate program (87 BEEd, 43 BSEd, 4 BSAGEd, 59 BAS, 72 BSA, 58 BSAB, 34 BSHE, 24 BSF, 19 DVM, 32 BSFT, 40 BSBio, 8 BSS, 11 BSCS, 27 BSDC, 1 BSAC, 9 BS Chem, 7 BSAE, and 19 BSAGDev)); and 5 in the non-degree program. Thirty-three (33) obtained academic honors: 1 *Summa Cum Laude*, 2 *Magna Cum Laude*, and 30 *Cum Laude*.

Of the 113 high school graduates who received their diplomas during the LSULHS 76th Commencement Exercises, 37 earned the following distinction: 1 - "With Highest Honors," 6 - "With High Honors," and 30 - "With Honors."

Table 2. LSU Main Campus student enrolment by degree, First Semester, SY 2004-2005 and SY 2005-2006

COURSE	1ST SEMESTER 2004-2005	1ST SEMESTER 2005-2006
GRADUATE		
PhD	10	13
M. S.	86	82
M.Ag.Dev.*	81	75
M. Ed.	1	2
SUB-TOTAL	178	172
UNDERGRADUATE		
Doctor of Veterinary Medicine (DVM)	276	295
BS in Agricultural Engineering (BSAE)	107	85
BS in Geodetic & Geomatics Engineering (BSGGE)	57	71
Bachelor of Animal Science (BAS)	265	236
BS in Agriculture (BSA)	406	383
BS in Agribusiness (BSAB)	518	439
BS in Agricultural Chemistry (BSAC)	10	7
BS in Chemistry (BSC)	67	77
BS in Agricultural Development (BSAgDev)	76	61
BS in Agricultural Education (BSAgEd)	43	5
BS in Development Communication (BSDC)	151	138
BS in Food Technology (BSFT)	178	174
BS in Forestry (BSF)	124	101
BS in Home Economics (BSHE)	166	106
BS in Statistics (BSS)	86	67
BS in Biology (BSBio)	191	176
BS in Computer Science (BSCS)	128	169
Bachelor of Secondary Education (BSEd)	183	195
Bachelor of Elementary Education (BEEd)	533	545
BS in Hotel, Restaurant & Tourism Mgt. (BSHRTM)	-	360
SUB-TOTAL	3,565	3,690
NON-DEGREE		
Home Economics Technician (HET)	25	5
SECONDARY EDUCATION	484	497
GRAND TOTAL	4,252	4,364

* Open University and Saturday classes enrolment are included.



Justice Undersecretary Ernesto L. Pineda (middle) is flanked by Leyte 5th District Congresswoman Carmen L. Cari (rightmost) and LSU President Paciencia P. Milan (3rd from right) during the graduation rites procession; the 2005 LSU Graduates (right photo).

LSU's satellite campuses had the following number of graduates: 110 - Alangalang Campus (45 DAT, 39 BEEd, 5 BSEd, 21 BAT); 146 - Isabel Campus (12 BSIT, 39 BEEd, 10 BSEd, 3 BSAB, 33 ACT, 49 TTE); 23 - Tolosa Campus (16 BSFi, 5 BSEd, 2 BEEd); and 81 - Villaba Campus (50 BSE, 31 BSA).

PERFORMANCE OF STUDENTS

Honors and Awards

During the 52nd Collegiate Commencement Exercises of the LSU Main Campus on April 5, 2005, the following graduates were accorded Civil Service Eligibility by the Civil Service Commission and medals and cash for their special awards:

Marianne Agnes M. Taveros, BS Development Communication, *summa cum laude* - LSU Presidential Award of Academic Excellence, Pres. Gloria Macapagal Arroyo Academic Excellence Award, Congresswoman Carmen L. Cari Academic Excellence Award; Gov. Jericho L. Petilla Medal of Excellence for Most Outstanding Student, and Phi Delta Outstanding Undergraduate Thesis Award (Social Sciences).

Edouard Y. Sandoval, Bachelor in Elementary Education, *magna cum laude* - Sen. Pia S.

Cayetano Award of Excellence and cash award from Congressman Jesus Jurdin M. Romualdo

Carmille Joanna C. Bales, BS Agriculture (Plant Breeding), *magna cum laude* - Phi Delta Outstanding Undergraduate Thesis Award (Pure Biological Science) and Breeders Award of Excellence

Rey Anthony D. Cojuangco, BS Agriculture (Plant Breeding), *magna cum laude* - Breeders Award of Excellence

Melanny R. Atanacio, BS Home Economics (Elementary Teaching), *magna cum laude* - Sen. Pia S. Cayetano Award of Excellence and cash award from Congressman Jesus Jurdin M. Romualdo

Marie Ann Eurie E. Forio, BS Chemistry, *magna cum laude*

Leslee Ann D. Villanueva, BS Statistics, *cum laude*

Moises Neil V. Serifo, BS Statistics, *cum laude* - Pres. Gloria Macapagal Arroyo Leadership Award

Jayfred Gaham V. Godoy, BS Agriculture (Plant Breeding), *cum laude* - Breeders Award of Excellence

Zendy S. Estoy, BS Statistics, *cum laude* - DOST Award for Academic Excellence in Science

Jehru C. Magahud, BS Agriculture (Soil Science), *cum laude* - Breeders Award of Excellence

Joseph M. Arcelo, Bachelor of Animal Science (Animal Production), *cum laude* - Breeders Award of Excellence

Diana D. Ballon, BS Food Technology, *cum laude* - DOST Award for Academic Excellence in Science

Chiril G. Casimero, Bachelor of Animal Science (Animal Health), *cum laude* - Breeders Award of Excellence

Haidee S. Galia, BS Agriculture (Horticulture), *cum laude* - Breeders Award of Excellence

Rey Marlon M. dela Peza, BS Food Technology, *cum laude* - DOST Award for Academic Excellence in Science

April Rose T. Gubalane (BSHE Elementary Teaching), Divina M. Luchavez (BSEd Math), Agnes Marie F. Austero (BSS), Hera J. Suan (BS Bio Marine Biology), Jo Marie U. Bacusmo (BSChem), Alan A. Argawanon (BEED), Roselyn M. Laperas (BEED), Joyce Ann C. Dumaguing (BSDC Community Broadcasting), Carol Grace M. Siao (BEED), Alvin C. Alvarado (BSAE), Marinel T. Retana (BSS), Jennelyn A. Montesclaros (BSAB), Jay F. Santiago (BEED), Jesil S. Cajés (BEED), Lynnel O. Landerito

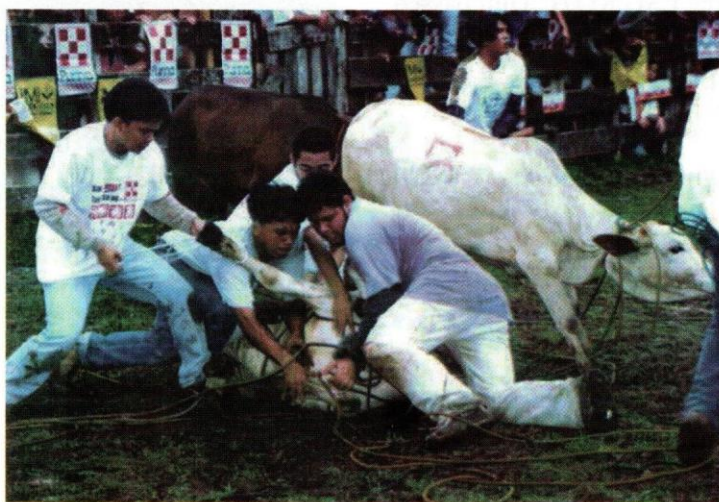
(BSAB), Lyman Denis O. Moreno (BSAE), Jonnalyn M. Ybañez (BSDC Development Journalism), Jessie Glenn P. Bajarias (BSBio Ecology), Gladys L. Ludevese (BSBio Marine Biology), Sheila B. Manongsong (BSDC Community Broadcasting), Nerbel A. Sosmeña (BEED), and Michelle C. Patilla (BEED) – all (*cum laude*)

At the Alangalang Campus, Noel G. Sequito graduated as *cum laude* and got the following awards: LSU-AC Medal of Academic Excellence, Pres. Gloria Macapagal Arroyo, Cong. Remedios L. Petilla, Gov. Jericho L. Petilla, Mayor Elemar G. Velarde, and the Knights of Columbus

Students' Achievements

The LSU Reserve Officer Training Corps Unit (ROTCU), garnering a total points of 98.12%, once again bested other ROTCUs in Region 8 in the Regional Annual Administrative Performance Evaluation (RAAPE) for school year 2004-2005 which was conducted by the 8th Regional Community Defense Group (8RCDG), Army Reserve Command of the Philippine Army from January 24 to February 5, 2005.

The Association of Rodeo Enthusiasts in Visca (AREV) emerged as the overall national



Students sweating it out during the Rodeo competition.



Finalists to the National Intel Philippine Science Fair (individual and group categories): James Yambu, Paul Adonis Abenoja, Joseph Bacusmo, Lourid Franz Gabunada together with their advisers: Dr. Edgardo E. Tulin and Dr. Misael T. Diputado, Jr., (3rd and 4th from left, respectively).

champion in the Buglasan National Rodeo 2005 and Horse Show competition at Perdices Coliseum, Dumaguete City on October 14-17, 2005. It also ranked 2nd runner-up in women and 3rd runner-up in men during the National Rodeo Competition held at the Masbate Sports Complex, Masbate City from March 30 to April 2, 2005.

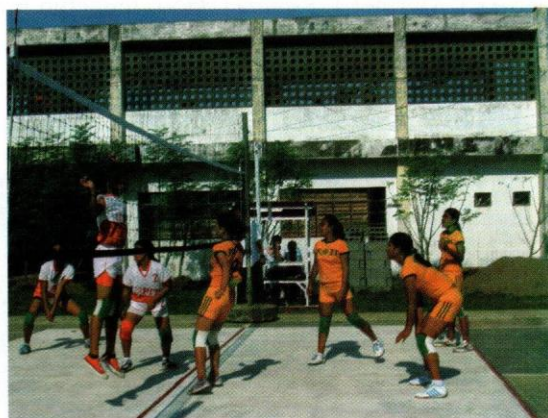
Ten (10) cadets of the LSU ROTC Unit passed the 2005 Philippine Army Advance ROTC Entrance Examination (PAAREE), of whom six were awarded Scholarship Incentive Grant.

The Veterinary Student Society's extension project which was presented by Ma. Nes-Li Abilla, a 5th year veterinary medicine student, as finalist in the search for the Ten Outstanding Youth Organization (TAYO) in the Visayas area on April 29, 2005, got 3rd place.

Krisna Patris Corpuz, Jeurimah Ramos, and Angelie Anne Aboyme of the LSU Laboratory High School (LSULHS) qualified as national candidate for the SIBOL award during the DOST National Inventors Week in Cebu City on November 16-22, 2005.

Lourid Franz Gabunada (Individual Category) and Paul Adonis Abenoja, Joseph Bacusmo and James Yamba (Group Category) of the LSULHS were the national finalists to the National Intel Philippines Science Fair at UP Diliman, Quezon City on February 15-17, 2005.

In the field of sports, LSU won the following games during the 21st Regional SCUAA Games held on October 16-21, 2005 at the University of Eastern Philippines, Catarman, Northern Samar: Champion – chess (men) and volleyball (women); 2nd place – *sepak takraw* and taekwondo (Bantam Division); 2nd and 3rd places – athletics; 3rd place – lawn tennis and badminton (women). The LSU Women's Varsity and Men's Varsity teams won 2nd and 3rd places, respectively, in the 3rd Inter-Collegiate Volleyball Tournament sponsored by the BRONCO Blazers Cup, Inc. in Ormoc City on December 1-4, 2005



LSU Volleyball women's team (in gold uniform) giving its best during the SCUAA Meet at the University of Eastern Philippines, Catarman, Northern Samar on October 15-20, 2005.

STUDENT WELFARE AND DEVELOPMENT

The University Student Services Office (USSO) created the *Student Welfare and Development Division* to provide basic services and programs for students' well-being and fully develop their potentials for personal development, leadership, and social involvement.

Scholarships and Financial Assistance

LSU Main Campus – 11 graduate students enjoyed scholarship grants from SPREAD -5, DA-BAR – 2, LSU-CHED – 1, LSU Staff Development Program – 3; and Teaching/Research Assistantships – 10 (GTA – 9 and GRA – 1). A total of 565 undergraduate students enjoyed LSU scholarships/grants – 209, LSU grants-in-aid – 356, and scholarships from other funding agencies – 172 (*Pagkaon* – 66, CSSGPCD – 25, German Priests – 11, City Government of Ormoc – 12, CHED-SSP-BSE-SSUC – 7, Panasonic – 6, PDMASP – 6, ViSCCO – 5, Cong. Carmen L. Cari – 5, AVE – 5, PARRFI – 4, CHED-SSP – 4, 2 each from ATI-MPC, Bernardo, Lumansoc, TWU (PNOC), WSSP, VGAA, and 1 each from DOST-SEI, Municipality of Baybay and VFSO Batch '81). A total of 809 student assistants were hired to work in different dormitories/departments/colleges during the year and 41 student borrowers were granted ViSCASELF loans.

One hundred twenty-six (126) high school students enjoyed LSU scholarships: Full – 10, Partial – 88, and Honorific – 28.

Some students of the satellite campuses also enjoyed scholarships and grants from different sponsors/donors: **LSU-Alangalang Campus** – 66 scholarships/grants from LGUs of Jaro, Alangalang, San Miguel and Tanauan – 35, Barangay – 15, LSU Staff Dependent – 4, LSU-AC Alumni Association – 4, academic – 3, CSSC officership – 3, VMPC – 1, and

CHED Congressional Scholarship – 1; **LSU-Isabel Campus** – 41 scholarships/grants from Sangguniang Kabataan – 25; Sangguniang Bayan – 10; Honorific – 3; and USSC – 3.

Guidance and Counseling

The *Counseling Services Section* of the University Student Services Office (USSO) conducted a joint General Orientation Program for high school and college freshmen students including transferees. It administered psychological test and interpreted test results of 898 examinees for purposes of counseling, vocational guidance, admission, readmission, research, and employment.

Student Housing

LSU's 19 undergraduate and two graduate student dormitories accommodated 1,335 students during the 1st semester of SY 2005-2006 and 1,301 students during the 2nd semester of SY 2005-2006.

Year-round major and minor repairs and maintenance work were carried out for the different dormitories which included construction of septic tank/main water pipe line; installation of water pipe line, pressure water tank, ceiling joist and ceiling of function hall, doors and window screens, tiles and concrete kitchen sink in the cooking counter, fabrication of grills/trusses, roofing, and clothesline; excavation of drainage canal; construction of fence; partitioning and painting; fabrication of dining tables, double bunk beds, clothes lockers, doors, study tables, grills, steel garbage stand, hanging TV case holder; and repairs and replacement of dormitory facilities.

Student Organizations

The different student organizations received awards during the "2nd Awards Night" organized by the University Student Services Office on February 24, 2005 at the LSU Convention Center: *Course-Related Organization of the*

Year Award – Philippine Association of Food Technologist-Kappa Student Chapter (1st place); Chemical Society (2nd place) and Development Communication Society (3rd place); *Service Organization of the Year Award* – Tau Gamma Phi/Sigma Triskelion Grand Fraternity (1st place), Alpha Phi Omega International Fraternity (2nd place), and Sigma Alpha Epsilon Fraternity (3rd place); *Environment Management Award* – Sigma Alpha Epsilon Fraternity and Students' Action Vital to Environment and Mother Earth (SAVE ME) Movement; and *Organizational Award* – LSU-Tolosa Science and Math Club. The Association of Rodeo Enthusiasts in ViSCA was hailed as the Overall Champion in the Buglasan Rodeo and Horse Show Competition 2005.

The University Supreme Student Council (USSC) sponsored a quiz show dubbed "LSU Inter-College Mind Encounter" at the Center for Continuing Education on February 25, 2005. The battle-of-brains centered on mathematics, chemistry, biology, English, people and places, history and current events, literature, science and technology, astronomy, and geography. It was participated in by nine teams representing the following colleges: College of Agriculture, College of Arts and Sciences, College of Education, College of Engineering and Agri-Industries, College of Forestry, College of Veterinary Medicine, College of Agri-Industrial Technology (Isabel Campus), College of

Environmental and Agricultural Technology (Alangalang Campus), College of Education and Agricultural Technology (Villaba Campus).

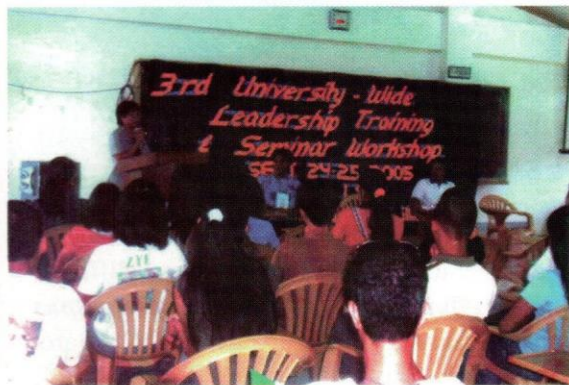
Student Activities

Fifteen (15) veterinary medicine students had their exposure in six (6) different veterinary fields: equine practice - Modomo Veterinary Practice and Trading; wildlife management - Manila Zoological Garden; wildlife practice - Protected Animal Welfare Bureau (PAWB); small animal practice - Dog and Cat Hospital; small veterinary practice - Ole Veterinary Clinic; and diagnosis of different diseases - Philippine Animal Health Center.

Graduate students in the LSU Main Campus had an organizational meeting and appointed an *Ad hoc* committee to draft the Graduate Students' Constitution and By-Laws.

Students taking courses in the Department of Liberal Arts & Behavioral Sciences had their culmination programs in English 21, Speech 11 and Filipino, as well as oral debate in English 26.

Major students of Physical Education, Health & Music (PEHM) attended a Dance Clinic conducted by the staff of the Institute of Human Kinetics on December 9-10, 2005 to learn the various facets and values of dance.



"Alay Linis" activity of the members of the Philippine Association of Food Technologist-Kappa Student Chapter (left photo); LSU Pres. Dr. Paciencia P. Milan stressing the value of leadership during the 3rd University-wide training for student leaders (right photo).

The different student organizations of the LSU System conducted varied activities such as election and induction of officers, tutorials, attending seminars, field trips, sportsfest, social activities, quiz shows, campus clean-up, community service, poster making/essay writing contests, anti-rabies information drive, free consultation for pets, LSU promotional campaign, and co-sponsored the LSU Flower and Garden Show, Rodeo and other departmental activities. Other organizational activities included participation in the *Kaugmaran* Festival street dancing, film showing, giving of bundles of joy to needy people, cooking and skills demonstration, supplemental feeding, assistance during seminars/conventions/tour guiding campus visitors (Table 3).

Placement of Graduates

The Placement Services Section of USSO spearheaded/assisted in the conduct of college or department-based job-seeking seminars for graduating students. It organized the 2nd Annual One-Stop Jobs Fair on April 14, 2005 at the LSU Gym wherein 15 local and overseas employment recruiters participated and 521 job seekers registered to avail of opportunities offered by prospective employers. It also facilitated a special recruitment by FLB Overseas Employment Agency in cooperation with the Philippine Overseas Employment Agency wherein 34 applicants were served.

ALUMNI

Awards/Achievements/Activities

Dr. Rubenito M. Lampayan, a 1989 BS in Agricultural Engineering (cum laude) graduate of the then ViSCA (now LSU), received the *Outstanding Filipino Agricultural Engineer for Irrigation Research and Development Award* during the 5th Philippine Society of Agricultural

Engineers (PSAE) Annual Convention held at General Santos City on April 18-21, 2005.

Carmela A. Cagasan, 2004 BS in Agriculture major in Plant Protection graduate, received the *Best Undergraduate Thesis in Weed Science Award* while Ramelo Montenola received a *Plaque of Recognition* from the Philippine Association of Entomologists for his undergraduate thesis during the Pest Management Council of the Philippines, Inc. (PMCP) 36th Anniversary and Annual Scientific Conference held at PhilRice and Central Luzon State University (CLSU) in the Science City of Muñoz, Nueva Ecija on May 3-6, 2005.

Roel-Jed S. Palomar, 2005 graduate *With Honors* of the LSU Laboratory High School, was admitted to the International Fellowship Class at the School Friedrich Schiller Gymnasium in Marbach am Neckar, Germany on September 12, 2005 to August 2, 2006.

Sixty-five (65) former varsity athletes attended the 2nd Varsity Alumni Homecoming organized by the Institute of Human Kinetics on August 7, 2005 and expressed their support to the LSU varsity sports program through the "Adopt-a-Team" project.

Scholarship

The LSU Alumni Association, Inc. has supported five (5) scholars at LSU starting 2nd semester SY 2005-2006 through the *Tabang Mo, Kaugmaon Ko* (Your Help, My Future) project that provides the following benefits: tuition fee of P5,000.00 per semester, book allowance of P500.00 per semester, and a monthly stipend of P1,000.00.

Donations

The LSU Alumni Association (LSUAA) through its Board of Directors (BOD) donated an internet LAN server to LSU on January 15, 2005.

Table 3. Activities of student organizations, SY 2005-2006.

ORGANIZATION	ACTIVITIES UNDERTAKEN	AWARD RECEIVED
Phil.Association of Food Technologists – Kappa Student Chapter (PAFT-KSC)	General meeting, freshmen orientation, induction of officers and acquaintance party; screening of food products for product development contest; refinement of seven recipes of rootcrop flour and grates recipe formulation, cost determination and submission of entries; product promotion, cooking and selling food products; cake baking and decoration; demo on processing and frying of <i>kabkab</i> and cassava chippy; established and managed the food processing information center, student lounge; put up display and conducted cooking demo at the PhilRootcrops booth; attended seminar on how to make an expanded syllabi and how to perform well in interview; prepared and sold yellow books; hall preparation on the LSU-DOST information campaign; <i>alay linis</i> ; intra departmental quiz show; assisted the VEAM rummage sale; sponsored the food science and technology celebration; assisted in the AACCU/CHED evaluation; assisted in packing of snacks for the Farmers' Field Day, symposium of LSU Alumni Asso.; attended the 3 rd annual conference on Lactic Acid Bacteria (LAB); tree planting, giving of bundles of joy, tutorials on Math subjects, Christmas party, method demonstration of Gulalech, skills training on Pinoy Pandesal	1 st place Course-Related Organization Award
Chemical Society (ChemSo)	Orientation and election of officers; acquaintance party and induction of officers; culminated Chemistry Week with quiz show; intraschool quiz show, facilitated POSTE convention as well as Chemistry puzzle and quiz; Chem games trivia, tutorial sessions on chemistry & chemistry-related subjects; <i>alay linis</i> ; selling of tickets for the Miss LSU and singing idol; educational field trip assistance; open forum with the new chemists; poster making contest, Valentine <i>harana</i> , film showing, Christmas party; attended seminar on research output presentation/KCNO/care and feeding of GC and AAS, laboratory webcasting, participated in teleconferencing, search for DoPAC Best Teacher, tour guiding, lobby beautification/bulletin board repair	2 nd place Course-Related Organization Award
Development Communicators' Society (DeCSO)	General assembly, conducted listeners' survey on DYAC program, promotional campaign of DYAC/ Miss LSU 2005, assisted ACRO in poster making/FFD field tour and demo skills competition, put up dedication booth/"Ask Me" bulletin board trivia, info dissemination on LSU alumni homecoming, <i>alay linis</i> , acquaintance/valentines/ Christmas party, love shots, environmental quiz show, LSU info drive, put up exhibits of posters and recycled products, video production of Miss LSU 2005, attended the 9 th Leadership and Legislative Governance Training, 1 st DevCom Society Congress at UP Los Baños, and Regional Tertiary Schools Press Conference, attended seminar on solid waste management/anti vandalism/anti sexual harassment, launching and culmination of environmental song writing contest	3 rd place Course-Related Organization Award
Alliance of Freshmen & Sophomore Agric. Students (AFSAS)	Election of officers, induction of officers and acquaintance party, assisted in the registration of farmers during FFD, assisted in the selling of Miss LSU pageant tickets, <i>alay linis</i>	

ORGANIZATION	ACTIVITIES UNDERTAKEN	AWARD RECEIVED
Visca Horticultural Society (ViHOS)	Co-sponsored the Flower & Garden Show and Horticulture Week; <i>alay linis</i> ; acquaintance/Christmas party; study mission to horticulture firms in Mindanao; donated one computer to the Department of Horticulture, assisted in the landscaping seminar	
Student Union of Agronomy & Soil Science Majors (SUASSM)	Co-sponsored with DASS the acquaintance/Christmas party; co-sponsored with PPMA, JSO and CA the construction of benches and drinking fountain between DASS and DPM; <i>alay linis</i> ; tree planting, filmshowing, quiz show, SUASSM logo-making contest, constitutional convention, assisted during FFD Farmers/Forum,	
Asso. of Plant Brdg. Majors (APBM)	Induction of officers and acquaintance party, quiz show, film showing, tree planting, <i>alay linis</i> , assisted in distributing seeds to clientele, Christmas party, income generating activity	
Plant Protection Majors Association (PPMA)	Rat trapping at the stores at the LSU Market, <i>alay linis</i> , assisted in the maintenance of the butterfly garden, conducted welcome party to the incoming third year major students in cooperation with the DPM faculty and staff, information drive on harmful and beneficial organisms in neighboring barangays, planted host plants/cleaning and beautification, Christmas party, helped financially in the construction of a drinking fountain between DPM and DASS, assisted in the LSU Alumni Association symposium	
Society of Animal Science Students (SASS)	Election of officers, induction of officers and acquaintance party, quiz show, attended seminar on swine raising, participated/co-sponsored RODEO, donated curtains/2 units ceiling fans and 20 pcs mono block chairs	
University Supreme Student Council (USSC)	Sponsored a quiz show dubbed "LSU Inter-College Mind Encounter"	
COE Supreme Student Council	Election of officers, meeting, general assembly, attended seminar on reading and multigrade teaching, tribute of junior students to the senior students	
Mentors' Guild	General meeting and election of officers, poster making/slogan writing/composition writing contest, <i>alay linis</i> , tutorials, story telling to Grade I pupils of ViFES, selling of Little Miss ViFES tickets, card making contest, parlor/ball/table games, awarding and Christmas party, parade and opening program of Education Week, community outreach program	
LSU-Agricultural Extension Society (LSU-AgExSo)	Induction of officers and acquaintance party; assisted in the FFD farmer skills competition and Provincial Cooperative Month held in Baybay, Leyte; maintained the Baybay LGU-MAO Nursery; <i>alay linis</i> ; solicitation for gift-giving; selling of food items/Miss LSU tickets; giving of Christmas bundles of joy, assisted during the Search for Little Miss VFES	
Home Economists' Society (HES)	Election of officers, induction of officers and acquaintance party, community service activities like mass supplementary feeding of pre-schoolers and distribution of bundles of joy, <i>alay linis</i> , food preparation and service for guests, cooking demonstration and promotion of indigenous supplementary mixture for nutrition improvement, demonstration in making bamboo fans, information campaign to senior high school students of BNHS, rummage sale, Campus King and Queen 2005, general assembly meeting, quiz show, contests on flower arrangement/kitchen utensils identification, Christmas party	

ORGANIZATION	ACTIVITIES UNDERTAKEN	AWARD RECEIVED
D'AGEMSS	Induction of officers and acquaintance party, orientation of new major students, booth making, <i>alay linis</i> , improvement and repainting of concrete benches, sent 2 delegates to attend the National Youth Summit for Sustainable Development, assisted during FFD registration and billeting of alumni	
Forestry Students' Society (FSS)	Election of officers, induction of officers and acquaintance party, LSU information drive, literary musical contest, <i>alay linis</i> , parade and opening program for Forestry Week, thanksgiving mass, <i>paligsahan sa gubat</i> (potting, surveying, dendrology, wood identification, etc.), quiz show, tree planting	
Organization of Biology Students (OBioS)	Freshmen orientation, election of officers, acquaintance/Christmas party, celebrated Biology Week with quiz show and essay writing contest; orientation program, acquaintance and welcome party; beautification and landscaping, <i>alay linis</i> and coastal clean-up, opening of exhibits during OBIO Week, Biology challenge and awarding, facilitated POSTE treasure hunting contest/ Save <i>Pawikan</i> seminar, assisted in the CFC-YFC Gawad Kalinga program, attended seminars on "Being a Volunteer" and Environmental Conservation, tutorials	
LSU-Statistical Society (LSS)	Election of officers, induction and acquaintance party, orientation program, quiz show, <i>alay linis</i> , tree planting, tutorials on Math 11, Stat 21 and Math-related subjects, supplemental education on Statistics, supplemental feeding, adopt-a-room program, selling of "Singing Idol" tickets, <i>alay regalo sa Pasko</i> ", assisted during the National Statistics Month celebration, put up/updated LSS exhibit on statistical news and information, echo seminar on the 1 st Regional Student Leaders Congress, completion of Greek letter exhibit	
Phil. Society of Ag. Engineering – LSU Student Chapter (PSAE-LSC)	Orientation program, induction of officers and acquaintance party, constitutional convention, tutorials on Math subjects and Math-related subjects, quiz show, PSAE office and bulletin board makeover, PSAE books inventory, adopt-a-room program, <i>alay linis</i> , participated in seminar on high quality copra and on strategic management, pathway concreting and wall painting, assisted in the registration of farmers during FFD, assisted in the selling of Miss LSU tickets, take charge of DAE library management and book rentals, Christmas party	
Advanced Geodetic Eng'ng Society (AGES)	Lay-outing of location for the Flower and Garden Show, tutorials on GEng subjects, sportsfest, Christmas party	
Computer Science Student Society (CSSS)	Election of officers, induction of officers and acquaintance party, <i>alay linis</i> , tutorials on CS and Algebra subjects	
Society of Agribusiness Students (SABS)	Freshmen orientation, organizational meeting, election of officers, induction of officers and acquaintance party, revision of Constitution and By-Laws, SAVALEX and SABS Valentine's Night Café, attended job seeking and application letter making seminar, field trip to Cebu City, talent showdown, booth making, co-sponsored the LSU general homecoming/"Hay Tawo" presentation/ training on swine production, record keeping, <i>alay linis</i> , Christmas party, marketing/selling goodies during Valentine's Day and LSU anniversary	

ORGANIZATION	ACTIVITIES UNDERTAKEN	AWARD RECEIVED
Veterinary Students' Society (VetSS)	Orientation program, election of officers, induction of officers & acquaintance party, anti-rabies info drive, distribution of anti-rabies pamphlets, rabies vaccination, film showing, pet show, pinning ceremony, sportsfest and parlor games, quiz show, pet show, essay writing contest with focus on animal health & production, free pet consultation services, survey of pet parasites, attended the National Congress of VM students, seminar on swine production and management/Pzer, donation of books/journals,	
Asso. of Rodeo Enthusiasts in ViSCA (AREV)	<i>Alay linis</i> , <i>Pista Musika V</i> , orientation of new members, Rodeo, participated in the National Rodeo Competition at Masbate City and the Buglasan National Rodeo 2005 and Horse Show Competition at Dumaguete City	
SBO (LSULHS)	Election of officers, acquaintance and induction of officers, sponsored <i>Buwan ng Wika</i> /Science Month/English Month/Science Congress/Intramurals, Christmas party, presentation of sponsors and escorts and pass in review, Juniors and Seniors Prom, attended seminar on teen sexuality and career program, recollection of 4 th year students; participated the street dancing during the <i>Kaugmaran</i> Festival	
ROTC/CWTS	Participated in the <i>Alay Lakad</i> , donated blood during the Mass Blood Donation conducted by the Philippine National Red Cross, assisted in the various University/College activities, <i>alay linis</i> , assisted in the landscaping of the LSU beach resort, maintained the cleanliness of the LSU beach and Eco/Nature park	

SATELLITE CAMPUSES

LSU-Alangalang	Election/induction of officers, participated in the clean and green program of the College, orientation program, 1 st Friday masses, JS Prom, recognition day, career guidance seminar, <i>Buwan ng Wika</i> , <i>Kaugmaran</i> festival at LSU Main, 34 th founding anniversary of the College, college intramurals, Christmas program, Science quiz bee, Math & Science Olympiad, leadership training
LSU-Isabel	Election of officers, acquaintance party and oath taking, sportsfest, crash course on Campus Journalism, educational tour, 3 rd & 4 th yr BEED students attended seminar-workshop on teaching strategies in elementary education, seminar-workshop on macromedia flash, culmination activity in Filipino, brawling of the minds, environmental and sanitation activities
LSU-Tolosa	Acquaintance party, cleaning and beautification of school grounds, participated in leadership trainings, co-sponsored the course orientation program, Christmas party
LSU-Villaba	Election of officers, sponsored the acquaintance/induction, Christmas, valentines and intramurals; purchased printer and monitor for the CSSC office; symposium and information drive on insurgency problem, JS Prom, Nutrition month culmination

The following alumni donated valuable resources to the University: Ms Juvy Q. Subere, a 1991 BS in Agriculture (major in Agronomy) graduate of ViSCA - journals to the university library; Dr. Fe. Abogadie-Bron - scholarship support for one scholar and one concrete bench for the LSU Nature Park; Ms. Candilaria Sales-Wijewkrema of Japan and Ma. Andone Fernandez-Ternura of Canada - 3 concrete benches for the LSU Nature Park; and Ms. Lynita Gatoc-Jones of USA - second hand fax machine.

FACULTY

Promotion

Ninety seven (97) faculty members of the LSU Main Campus earned their promotion based on NBC 461 second cycle evaluation effective December 1, 2005. The number of newly promoted employees and present ranks are as follows: *University Professor* - 2, *College Professor* -1, *Professor VI* -1, *Professor IV* -1, *Professor III* - 5, *Professor II* - 5, *Professor I* - 9, *Associate Professor V* - 6, *Associate Professor IV* - 5, *Associate Professor III* - 6, *Associate Professor II* - 5, *Associate Professor I* - 9, *Assistant Professor IV* - 10, *Assistant Professor III* - 5, *Assistant Professor II* - 3, *Assistant Professor I* - 8, *Instructor III* - 6, and *Instructor II* - 10.

Scholarships

Twenty-five (25) faculty members of the LSU Main Campus pursued advanced studies in different fields of specialization (16 for PhD and 9 for MS) with scholarship grants from the College of Agriculture Center of Excellence (CA-COE), Fulbright-Philippine Agriculture, LSU Fellowship, CHED, CHED-FDP, PCARRD-LSU, Monbusho, EURONATURE, SEARCA, ASEAN-EU, ACIAR, DAAD, and International Doctorate in Agrobiodiversity.

Three faculty members of the LSU-Alangalang Campus pursued advanced studies - two for MS Tropical Ecology and one for PhD degree in Agricultural Education. One faculty member of the LSU-Villaba Campus also pursued PhD degree in Animal Science.

Faculty Strength

A total of 257 faculty members (95 PhD, 106 MS/MA and 56 BS) carried out the instruction, research, extension and production activities of the LSU-Main Campus. Forty-eight (48) were detailed in research centers (25 PhD, 19 MS/MA and 4 BS) and six (6) were on sabbatical leave.

One hundred eleven (111) faculty members likewise backstopped the various programs of the satellite campuses: 26 - in Alangalang Campus (4 PhD, 6 MS/MA, and 16 BS); 32 - in Isabel Campus (1 PhD, 5 MS/MA, and 26 BS); 26 - in Tolosa Campus (2 PhD, 15 MS/MA, and 9 BS); and 27 - in Villaba Campus (2 PhD, 17 MS/MA, and 8 BS).

Publications

Sixty-five (65) LSU faculty members authored/co-authored publications which were published in national and international journals.



Publications authored/co-authored by LSU faculty.

Seminars/Workshops/Trainings Attended

To promote quality instruction and uphold excellence in teaching, the Office of the Curriculum and Instruction (ODCI) conducted a one-day "Orientation and Briefing on Faculty Workload Computation and Teacher's Evaluation of the Leyte State University."

A total of 1,108 academic staff of the LSU System attended 621 trainings/seminars/conferences during the year, which included 65 international, 167 national, 197 regional, and 192 local trainings (Table 4).

Faculty Development/Achievements

Dr. Monina M. Escalada - who was on secondment at the International Rice Research Institute (IRRI), won a grant from the World Bank's Development Marketplace for her environmental radio soap opera proposal aimed to help educate rural communities in Vinh Long province in Vietnam.

Prof. Jesusito L. Lim - an accredited Specialist Microbiologist by the Philippine Academy of Microbiology (PAM), joined as member of the team of reviewers tasked to standardize the syllabi of microbiology courses offered by the different schools in the Philippines at De La Salle University, Taft, Manila on April 28, 2005.

Prof. Humberto R. Montes, Jr. - passed the Professional Association of Diving Instructors (PADI) Open Water SCUBA Instructor's Examination held at Plantation Bay, Cebu City on May 12-14, 2005.

The following faculty members traveled abroad in line with their research/academic tasks and assignments:

Dr. Antonio L. Acedo, Jr. - visiting scientist at the King Mongkut's University of Technology Thonburi (KMUTT), Bangkok, May 11-28, 2005.

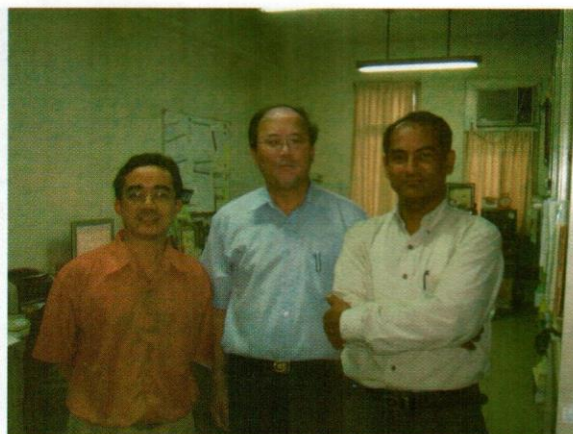
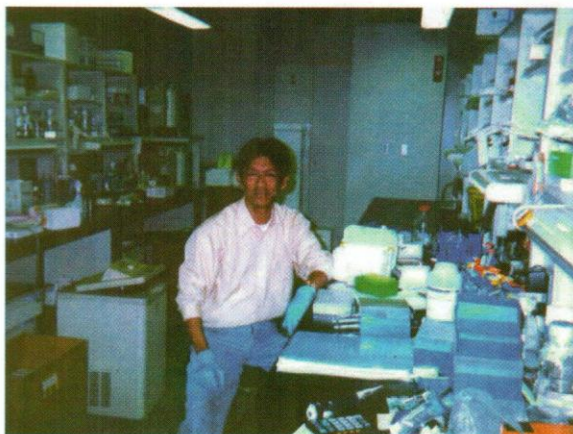
Dr. Marilyn M. Belarmino - went on sabbatical leave to conduct research on tissue culture/biotechnology at Chiba University, Japan from May 2005 to April 2006 under the JSPS program.



Dr. Monina M. Escalada receiving her grant from World Bank's Development Marketplace.

Table 4. Trainings attended by faculty

Dept/College/Center	International		National		Regional		Local	
	No. of Training	Participants	No. of Training	Participants	No. of Training	Participants	No. of Training	Participants
Graduate School	1	1	-	-	-	-	2	49
College of Agriculture								
DPM	12	17	29	33	4	11	29	35
DAS	-	-	8	11	7	7	6	13
DOH	2	2	8	8	11	14	2	3
DDC	1	1	9	10	10	18	5	10
DASS	5	7	2	2	3	4	8	10
DPBG	-	-	3	3	10	10	-	-
ISRDS	-	-	-	-	1	1	7	8
College of Engineering & Agri-Industries								
DAE								
DBM	1	3	2	2	-	-	8	14
DCST	-	-	4	4	6	21	7	20
DOE	-	-	7	7	8	8	14	15
DFST	2	5	3	7	10	16	6	11
College of Vet. Medicine	1	1	3	5	3	6	5	14
College of Arts & Sciences								
DBS	6	8	9	20	8	12	2	6
DLABS	-	-	2	3	1	1	1	1
DoPAC	-	-	2	5	3	9	5	32
DMPS								
College of Education								
DSE	-	-	3	3	5	10	2	4
DFCS	-	-	2	2	2	2	11	12
LSULHS	-	-	2	2	4	4	4	6
IHK	-	-	-	-	2	2	1	1
NSTP	-	-	2	2	1	4	1	9
College of Forestry & Natural Resources								
DAF	6	9	4	4	2	5	1	1
DFWMC	4	4	3	3	2	2	2	3
ITE	7	13	17	24	7	13	12	23
SUB-TOTAL	48	71	124	160	110	180	141	300
Centers/Institute								
FARMI	2	2	8	8	10	11	5	7
MMDC								
NARC	5	10	8	11	4	6	7	29
NCRC-V	-	-	1	1	6	7	4	4
PhilRootcrops	5	5	4	4	3	3	3	3
SUB-TOTAL	11	16	21	24	23	27	19	43
Satellite Campuses								
Alangalang Campus	-	-	5	5	12	20	5	28
Isabel Campus	3	3	9	13	21	31	19	75
Tolosa Campus	1	1	8	9	22	41	6	18
Villaba Campus	1	1	-	-	9	12	2	29
SUB-TOTAL	5	5	22	27	64	104	32	150
GRAND TOTAL	65	93	167	211	197	311	192	493



Dr. Edgardo E. Tulin (left) during his research visit at the Institute of Physical & Chemical Research, Genomic Science Center in Yokohama, Japan and Dr. Victor B. Asio (right photo, leftmost) during his visit at the National Taiwan University.

Dr. Edgardo E. Tulin – visiting researcher/research fellow of JSPS at the Institute of Physical and Chemical Research (RIKEN), Genomic Science Center in Yokohama, Japan from April 1 to May 30, 2005.

Dr. Victor B. Asio – visiting professor/researcher of Soil Science, Department of Agricultural Chemistry, National Taiwan University (NTU), Taipei, Taiwan from April 1, 2005 to June 30, 2005. He also served as lecturer in a technical seminar of the Taiwan Agricultural Society, National Taiwan University, Taipei, Taiwan, R.O.C. and reviewer of Sweet Potato *Diagnoses*, a diagnostic key and information tool for sweet potato problems: University of Queensland-CIP-PRCRTC-ACIAR.

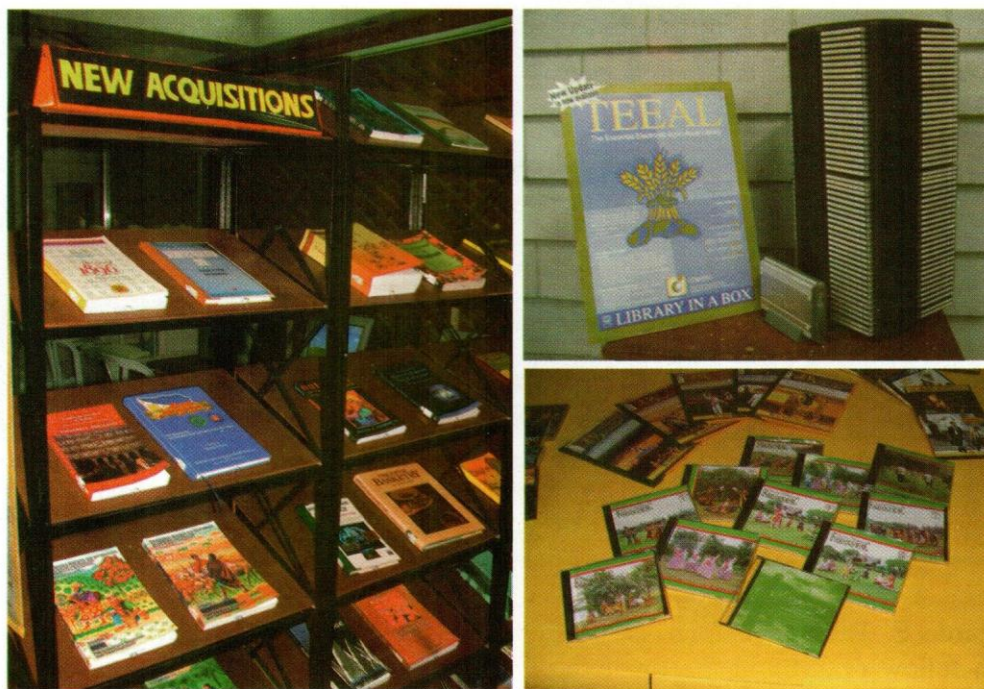
Dr. Maria Juliet C. Ceniza – visiting researcher at the University of Hohenheim (UH), Stuttgart, Germany from July to August 2005 sponsored by the German Academic Exchange Program (DAAD).

LIBRARY SERVICES

Acquisitions

The University Library continued to acquire additional learning materials, thus its accessioned volumes at the end of 2005 reached 60,609. It acquired through purchase, donation or exchange 1,487 books, 44 serials, 6 newspapers, 3 VHS tapes, 32 cassette tapes, 20 CD-ROMs, 20 VCD, 2 DVD, and 550 theses/dissertation/case studies/special problems. It also obtained the TEEAL (The Essential Electronic Agricultural Library) from 1993-2003 for literature searching services which contain 130 scholarly journal titles with full-text articles in agricultural sciences and allied fields. Moreover, it established the Local Area Network (LAN) for the Philippine E-Library Project of the DOST, UP, DA and the National Library.

Libraries of satellite campuses also acquired books during the year: LSU-Alangalang Campus – 361 book titles in 369 volumes; LSU-Isabel Campus – 169 copies of various books; and LSU-Villaba Campus – 29 volumes of Q & A and encyclopedia and 36 copies of various books.



The newly acquired books, CDs and the 1993-2003 TEEAL of the University Library.

Library Information Guide

The University Library produced twice during the year the *New Acquisition* brochure containing a list of newly acquired materials, accessioned and unaccessioned materials, new serial titles, theses and dissertations, terminal reports, and fiction books.

COLLABORATIONS/ LINKAGES

LSU signed memoranda of agreement with the following agencies: University of Natural Sciences (UNS), Vietnam National University-Ho Chi Minh City (VNU-HCMC) in Vietnam – for academic exchange and cooperation among faculty, staff and students of LSU and VNU; Loyola Normal University – for the joint offering of the Master in Biology program for Faculty Development Program (FDP) scholars of the

Commission on Higher Education (CHED); Academy for Educational Development (AED) – on population, health, and environment (PHE) advocacy.

ACQUISITIONS

The academic departments/institutes/colleges/offices of LSU acquired through purchase and donation the following equipment, facilities, books and other resources:

Graduate School – 1 unit each of laser printer and CD/DVD CDRW-Combo Drive

Departments of the College of Arts and Sciences (CAS) – 1 unit each of computer with accessories, 25" colored TV, 2000-L water tank, web cam, SPSS Version 13.0 for Windows, 40 GB hard disk, scanner and a complete set of prepared slides of chicken embryology; 2 units each of overhead projector, printer, computer;

3 units compound microscope; 10 units ceiling fan; 30 pieces life vests; 50 pieces monoblock chairs; and assorted glassware.

Departments of the College of Education –

1 unit each of computer, sofa, stainless steel working table, freezer, pressure cooker, amplifiers with speakers, kitchen wares/utensils, Bunsen burner with tank, beaker, cylinder and other laboratory facilities and supplies; 2 units executive chair, single sitter chair, kitchen scale; 3 units computer chair, riser, heavy duty stove; 6 units ceiling fan; 10 units computer and office table; 20 units computer table; 45 units computer chair.

Departments of the College of Agriculture –

1 unit each of turtle-roto-tiller, thresher, rice seeder, wheelbarrow, portable pH meter and weighing scale donated by Metrohm, Switzerland through Carsten Marohn; 1-ton capacity airconditioned room for rice seeds; computer with Intel Pentium 4 processor; computer with licensed Operating System (Millennium Edition); karaoke, cassette player/recorder and DVD player; laser printer, 34" TV, scanner, CD writer, and digital camera; airconditioner, video capture card, mobile rack, DDR Memory, licensed Operating System (Windows XP Pro), developed one room into a digital studio and another into a library; 2 units each of printer, cordless phone, Seagate hardisk,

DVD player, globes; 5 pieces each of triangular rule, Philippines Map, and world map; books donated by Prof. Z. S. Chen of National Taiwan University, Taiwan; different kinds of journals, Karst fact sheets donated by Soil and Water Conservation (SWCF), PDF files of more than 500 recent articles from various ecology, agriculture, and earth science journals from National Taiwan University; printed copies of journals donated by Prof. E. Veldkamp from Germany.

Departments of the College of Forestry – 1 unit each of digital camera, computer from gtz LIP, 2nd hand L200 pick up, multi-function printer, refrigerator, and airconditioner from Center of Excellence (COE) fund; 2 units each of UPS, laser hypsometer from ACIAR Smallholder Forestry project; 3 units AVR; 4 units computer and GPS; 5 pieces steel tape; 10 pieces pruning shears.

Departments of the College of Engineering and Agri-Industries – 1 unit each of digital balance, printer, computer, pH meter, electric stove, plastic sealer, 4-shelves storage cabinet, computer table, fax machine, and mountain bike.

College of Veterinary Medicine – 1 unit each of overhead projector, laboratory weighing scale, 2 units computer with Pentium 4 processor, 3 pcs binocular microscope, and constructed a power house



The newly acquired turtle-roto-tiller (left photo) and thresher (right photo) of the College of Agriculture.

LSU-Alangalang Campus – 1 unit each of auto battery charger, printer, stand fan, and risograph; 2 units computer, 3 units UPS; 50 hi-back mono block chairs; 100 pcs mono block chairs with arm rest; 369 volumes of books

LSU-Isabel Campus – 1 unit each of print server, karaoke, duplicating machine, scanner, multi-media projector, cement buggy, power wash with accessories, executive chair, platform balance, unit flash drive USB, computer table, quick cam, water dispenser, calculator, stapler, incline plane; 2 units each of airconditioner, pressure gauge, micrometer caliper, iron ball, record timer, stand fan; 3 units each of printer, compound microscope; 4 pieces each of calorimeter and multi-tester; 5 sets/units each of computer Intel Pentium 2.6 GHz, APC Back-up UPS, internet headset, different kinds of apparatus; 6 units personal computer Intel Celeron 1.8 GHz; 7 office tables; 8 sets

computer Intel Pentium 4; 14 units 4-drawer steel filing cabinets; 15 pcs teacher's table; 50 pcs monoblock chair with armrest, 184 volumes of books.

LSU-Tolosa Campus – 1 unit each of sedgewick rafter counter, computer, 1 microcassette recorder, a two-room building donated by the Tacloban Filipino-Chinese Chamber of Commerce; refrigerator, stainless steel table and ceiling fan from the Bureau of Fisheries and Aquatic Resources (BFAR); 2 pieces desiccators, working tables and armed chairs from the LSU Main Campus, curtains for the learning center.

LSU-Villaba Campus – 1 unit each of coil binder, gas range and scanner; 2 units each of printer and camera; 3 units computer; 6 pcs stand fan; 29 volumes of encyclopedia and Q&A books; 36 copies of different kinds of books; and concreted 50% of the floor area of the garage.

Research & Development

The prime goal of LSU's R & D activities has been the development of environmentally sustainable technologies to maximize agricultural production and boost national economy.

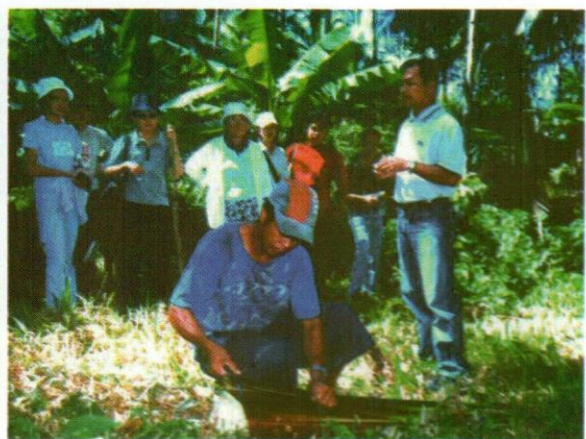
Research Projects/Studies and Resources

The University implemented 153 researches during the year, of which 71 were completed and 82 were ongoing; and of the ongoing researches, 18 were new (Table 5 and Fig. 1). Most of the researches dealt with crop improvement, crop production, socioeconomic and marine resources and focused on the top three commodities: rootcrops, abaca and coconut. The researches complemented LSU's thrust to promote effective policy formulation and management of rural development programs as exemplified by the project to protect the watersheds in Lake Danao Natural Park in Ormoc and Cienda, Baybay, Leyte as well as marine resources in the provinces of Leyte, Samar, and Biliran.

Collaborative R&D projects, such as the PPP (Public-Private Partnership) - ABACA (Alliance for Biodiversity, Agroforestry, and Community-based Activities on natural fibers) - Utilization in the Automotive Industry Project, have been pursued to draw research support, optimize resources, and achieve greater socio-economic impact among rural communities. The project is a joint undertaking of the DEG (German Investment and Development Company-KfW Group) and DaimlerChrysler in cooperation with the University of Hohenheim (UH), the Steinbeis Center for Technology Transfer, LSU with its National Abaca Research Center (NARC), Rieter Automotive Industries, Manila Cordage, and European Nature Heritage Fund (Euronature).

Leyte State University (LSU)

Annual Report 2005



German project partners under the PPP-Abaca project and LSU officials and staff visiting abaca project sites.

Table 5. Number and percentage of R and D projects/studies by commodity.

BY COMMODITY	NUMBER OF PROJECTS/STUDIES	PERCENT (%)
Rootcrops	51	33.33
Rural Sociology/Socioeconomics	31	20.26
Abaca	17	11.11
Coconut	12	7.84
Ag. Engineering	4	2.61
Agroforestry/Forestry	2	1.25
Corn	6	3.92
Farming System	5	3.27
Fruit	1	0.65
GIS	4	2.61
Legumes	1	0.65
Livestock	1	0.65
Marine Biology/Resources	6	3.92
Rice	9	5.88
Vegetables	3	1.96
TOTAL	153	100.00

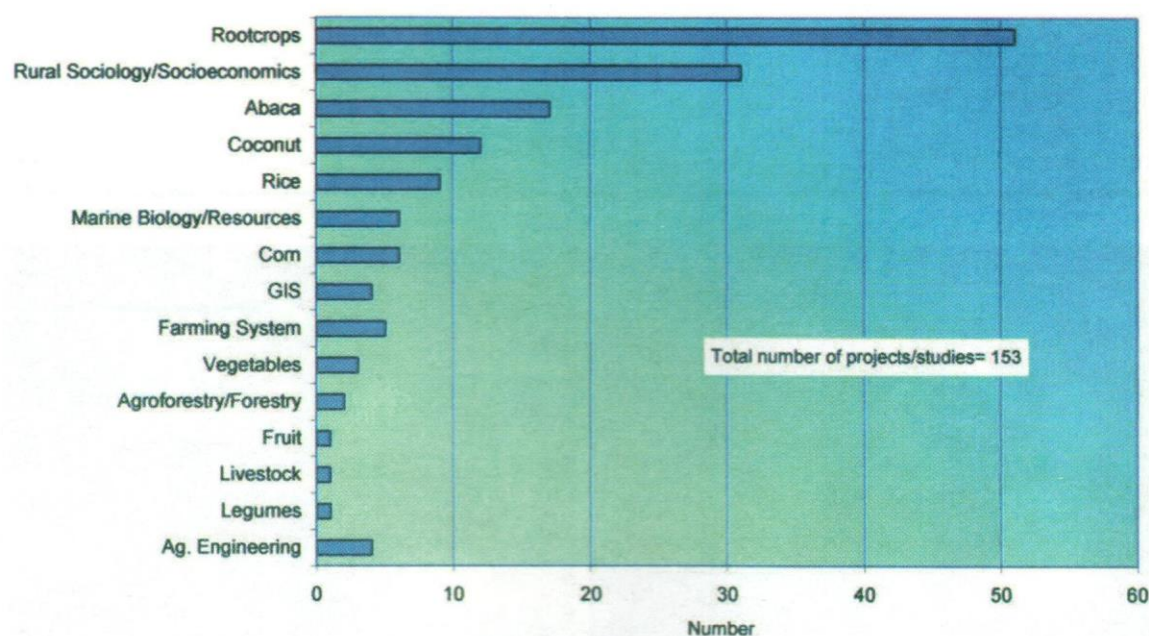
Figure 1. Number of R and D projects/studies by commodity

Table 6. R and D Budget, CY 2005

FUNDING AGENCY	AMOUNT (P)	PERCENTAGE (%)
A. LSU Funded (GAA) Direct Cost	7,728,362.25	31.74
B. Local Funded		
DA-BAR	1,250,618.77	5.14
Bato- LGU	100,000.00	0.41
FPE	359,500.00	1.48
LSU/PhilRice	47,760.00	0.20
PCARRD	1,685,538.56	6.92
PhilRice	1,244,330.50	5.11
SUB-TOTAL	4,687,747.83	19.26
C. Foreign Funded		
ACIAR	4,993,098.70	20.51
BSH, Germany	4,113,306.61	16.90
Daimlerchrysler and German Dev't Agency	2,084,328.77	8.56
EURONATUR	130,000.00	0.53
IFS	8,000.00	0.03
ISAAA/PCARRD	435,568.50	1.79
LSU/TWAS	82,000.00	0.34
USAID/P-CRSP	42,758.00	0.18
TUAT, Japan/LSU	40,000.00	0.16
SUB-TOTAL	11,929,060.58	49.00
GRAND TOTAL (A+B+C)	24,345,170.66	100.00

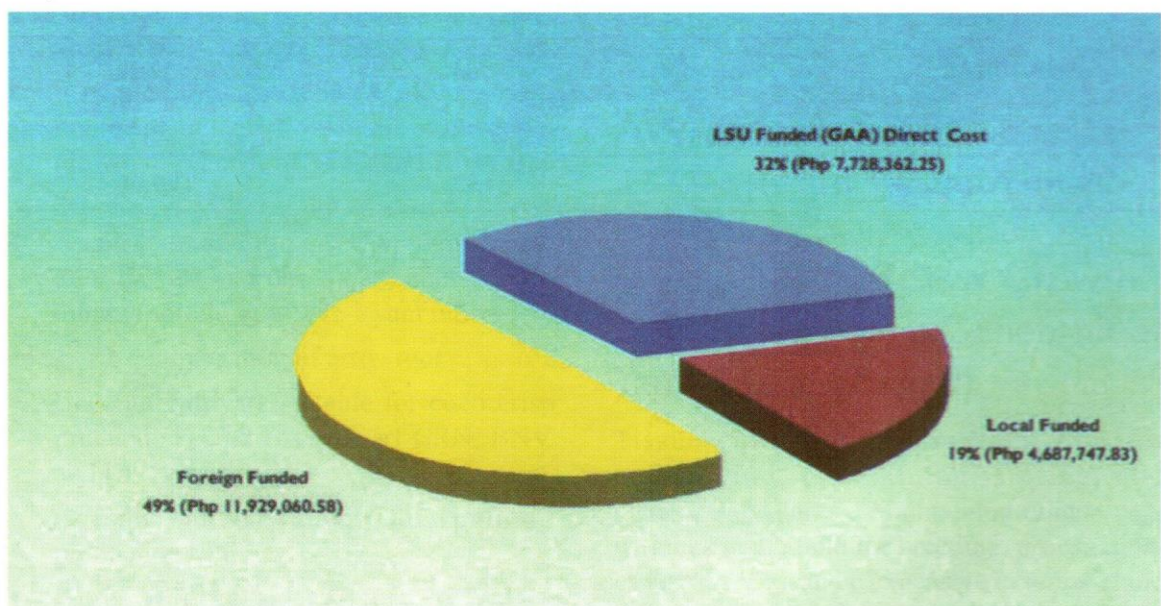
Figure 2.R and D Budget, CY 2005

Table 7. Number of R & D projects/studies by funding agency.

FUNDING AGENCY	NO. OF PROJECTS/ STUDIES	PERCENTAGE (%)
A. LSU Funded (GOP)	67	43.79
B. Foreign Funded		
ACIAR	3	1.96
ALO/USAID	24	15.69
ALO/CIIFAD	5	3.27
BSH, Germany	4	2.61
DaimlerChrysler and German Dev't. Agency	3	1.96
EURONATUR	2	1.31
IFS	1	0.65
ISAAA/PCARRD	4	2.61
NIH, USA	1	0.65
LSU/TWAS	1	0.65
USAID/P-CRSP	1	0.65
TUAT, Japan/LSU	1	0.65
SUB-TOTAL	50	32.68
C. Locally Funded		
Bato-LGU	3	1.96
BFCRC	3	1.96
DA-BAR	13	8.50
FPE	2	1.31
LSU/PhilRice	2	1.31
PCARRD	1	0.65
PCASTRD	2	1.31
PhilRice	6	3.92
PIDS	2	1.31
SUB-TOTAL	34	22.22
D. Side Studies	2	1.31
GRAND TOTAL	153	100.00

Forty-nine percent (49%) of the researches in 2005 were funded by foreign agencies, 32% by LSU, and 19% by other national and local agencies (Table 6 & 7 and Fig. 2).

TECHNOLOGY FOR PROTECTION

- ♦ Sago starch extractor machine
- ♦ Handmade paper processing machines
- ♦ Novelty items from abaca
- ♦ Makapuno product formulation
- ♦ Mess- and grease-free garlic flavored roasted peanut

TECHNOLOGY/ INFORMATION FOR DISSEMINATION

The different research activities/projects of the University System dished out the following information/technologies due for dissemination:

LSU Main

- ♦ *Ad libitum* feeding of forage increases milk yield of dairy buffalo
- ♦ 0-10 mg/L abscisic acid (ABA) or 0-7% mannitol or sorbitol could slow down growth of plantlet of VU-2 and Kinampay varieties of yam
- ♦ Application of 150 ppm GA₃ immediately after harvest and one month after harvest inhibits sprouting of VU-2 yam tubers
- ♦ *In vitro* propagation of arrowroot
- ♦ Coconut cultivars suitable for coco crisp production - Tall BAY, dwarf CRN, BNV, and DUM
- ♦ Coconut cultivar suitable for virgin oil production - PIL
- ♦ High yielding yellow corn hybrids – BA8401, PC8604

- ♦ High yielding white corn hybrids – USMARC 20, DA S2W032, and DAS 2W020
- ♦ Promising squash varieties – EG SQ#40, EG SQ#109, EG SQ#39, Rizalina varieties, and EG SQ#104-0
- ♦ Tomato varieties recommended for Region 1 – MMSU Hybrid 1 and MMSU Hybrid 3
- ♦ Tomato varieties recommended for national cultivation – UPL Tm 95-12 and XTH 6174
- ♦ Eggplant varieties recommended for national cultivation – A-300 and 89-002
- ♦ Peanut industry in Eastern Samar through industry-academe-government collaboration
- ♦ R2-6, PR4B, IR6019 R and GU199 rice varieties/lines were found to be resistant to rice black bug
- ♦ Natural Resources Management (NRM) field-based course for Cornell University and LSU students
- ♦ Sago starch grater machine
- ♦ Multi-stranded yarning machine for abaca fiber

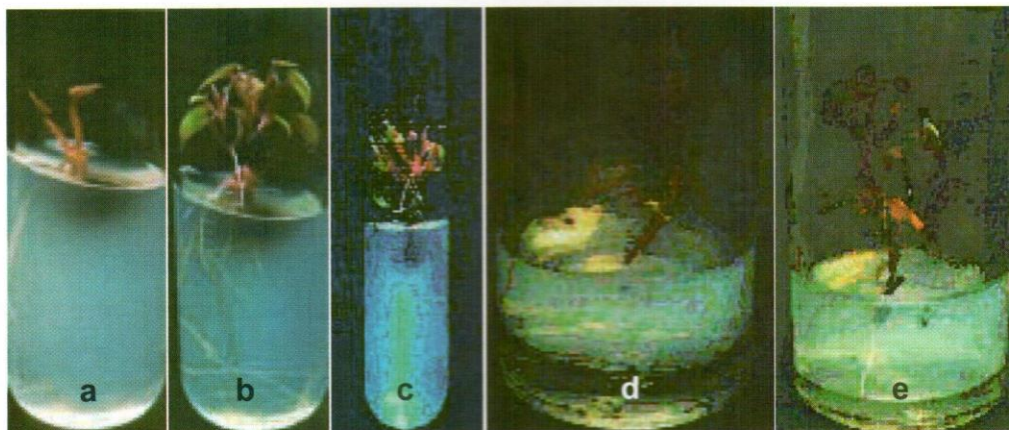
LSU-Tolosa Campus

- ♦ Bangus deboning
- ♦ Fish ball
- ♦ Fish embutido

AWARD WINNING RESEARCHES

Development of Slow Growth Culture for *in vitro* Genebank of Yam (*Dioscorea alata*)

Tissue culture is an excellent tool for multiplying, maintaining, storing, and distributing plants. Maintaining unique yam varieties in the field for breeding, propagation, or distribution can be expensive in terms of the time, space, and labor required. Hence, a study



Growth appearance of Visca Ubi-2 (VU-2) culture in MS+4% mannitol: after one month (a), six months (b), and 13 months (c); newly transferred shoot to normal growth medium (d) and one month after transfer (e).

was conducted to establish techniques for *in vitro* conservation of yam varieties.

Results showed that 0-10 mg/L abscisic acid (ABA) or 0-7% mannitol or sorbitol could slow down growth of VU-2 and Kinampay plantlet. However, ABA when used at higher concentrations increased mortality of cultures. Among the growth retardants/osmotic regulators used, mannitol at 4% was the best in maintaining yam plantlets for 13 months. Plantlets generated from the slow growth medium did not affect tissue viability, morphological stability and tuber yield. Other genotypes (VU-1, VU-3, VU-4, VU-5, PR5, PR7, PR10 and PR11) responded similarly to the slow growth culture condition.

Development of a Village-Level Sago Starch Grater Machine

Sago (*Metroxylon sagu* Rottb.) is one of the palms in the Philippines that grow well in waterlogged areas or near creeks and water embankments. The pith of the plant, the soft material at the center of its trunk, is scooped out from which starch is extracted and used in native delicacies such as *landang*, *suman*, *palagsing* and *nilidgid*.

Extraction of sago starch using the traditional method is very tedious and time-consuming, as this involves at least 22 steps starting from log harvesting. To ease up the process, the researchers developed a grater machine that reduces the extraction process by 50%. Through the machine, the following processes have been eliminated: knife stripping, sun drying of the stripped pith, repeated hand pounding, and screening of the powdered pith. In using the machine, splitting of the sago logs into quarters is required prior to sago-pith grating. It takes 60-65 seconds to split sago log into 4-32 cm diameter x 50 cm length. Only one person is needed to operate the machine, and its grating capacity ranges from 155 to 180 kg/hr depending on the skills of the operator.

The grater machine is made up of 38 x 38 x 6 mm angle bar as framing material, 10 mm thick stainless steel plate for the cylindrical blade frame, 1.6 mm stainless steel sheets for its cover, and 10 mm diameter bars to support the blade. Forming the blades are 1.6 mm perforated stainless sheets that serve as cutters, and its case is hardened to withstand the hard and fibrous materials that may go with the pith. The materials for the machine are locally and commercially available for easy fabrication, repair and maintenance.

Development of the Peanut Industry in Eastern Visayas through Industry-Academe-Government Collaboration

Barangay Buray, Paranas, Samar is well known for its delicacies especially the different peanut products sold to travelers as “take-home” food items or *pasalubong*. The peanut processors in the place have been in business for 50 years using the traditional/indigenous method of processing but their business operation is still in the micro scale due to lack of capital and lack of appropriate technology. Hence, their products were of low quality and had a very short shelf-life.

The Wright Peanut Processors Association (WPPA) was organized in the barangay with 27 member households. The association now serves as a Grassroots Business Organization (GBO) getting support for capability enhancement not only from LSU-USAID-PCRSP but also from the following government agencies: DTI, DOLE, TESDA, DA, and LGU of Paranas, Samar and other agencies in the municipality of Paranas as Industry-Academe-Government (IAG) collaborators.

A comparative impact assessment based on technical, social, marketing, and economic aspects of the past and present processing technologies of WPPA and peanut product

enterprise, showed that the interventions created positive changes for the benefit of peanut processors. These changes include: extension of peanut brittle’s shelf-life from few hours to 4 weeks as an effect of the adoption of the optimized process and formulation by WPPA; implementation of quality control in the sorting of peanuts before and after roasting; improved and unified packaging materials; and from selling only at bus stop, WPPA has adopted the distributorship scheme through established outlets.

WPPA was nominated as a beneficiary to a community employment zone project of UNDP-DOLE and peanut brittle was included in the one-town-one product (OTOP) program of the town of Paranas, Samar. With the positive response of WPPA to the project, there is a high chance of sustaining a GBO in Samar thereby enhancing the peanut industry in Eastern Visayas.

RESEARCH HIGHLIGHTS

Germplasm Collection

The following centers of LSU continued to enrich their respective germplasm collections as source of traits/materials for their plant breeding work. Thus in 2005, their genepools had the following number of accessions: **PhilRootcrops**



The development phases of packaging peanut products by the Wright Peanut Processors Association (WPPA) (left photo); Sweetpotato germplasm collection of PhilRootcrops (right photo).



Promising squash lines.

– 2,012 accessions of rootcrops consisting of sweetpotato – 936, cassava – 324, yam – 370, gabi/taro – 304, sincamas – 40, arrowroot – 36, and yautia – 2; **NARC** – 596 abaca accessions of which 162 were forwarded for the *in vitro* conservation study, 112 – evaluated for bunchy top screening in Mahaplag, Leyte and 14 – for DNA fingerprinting; and **NCRC-V** – 42 accessions of coconut in the genebank.

Promising Accessions/Vegetable Legumes/Solanaceous Crops

Abaca. Based on fiber morphological properties, the following accessions were identified as promising for the pulp and paper industry: Bulao-luno, Samina, UP-USP-CAF #2, Laguis #13, Layahon #3, Laguis #15, and Calbayogonon. Five of these accessions - Bulao-luno, Samina, UP-USP-CAF #2, Laguis # 13, and Calbayogonon were also promising for the handicraft industry. However, Puti # 1 and Sugmad Pula were preferred by the handicraft processors due to their fiber qualities.

Solanaceous Crops. Two lines of tomato, UPL Tm-95-12 and MMSU Hy 1 and 3, were recommended to the National Seed Industry

Council (NSIC) for national and Region 1 production, respectively. An eggplant line, A-300 and 89-002 was also recommended to the National Seed Industry Council (NSIC) for national production.

Squash. EG SQ#40, EG SQ#109, EG SQ#39 and Rizalina varieties produced more number of fruits per plot and gave the following yields: 51.14, 44.71, 43.351 and 42.38 t ha⁻¹, respectively. EG SQ#104-0 had the highest sugar content of 34% and 91% moisture content. It also had the highest percentage of protein (1.72) and highest acceptability rating (8) among varieties evaluated. EG SQ#39 had the highest starch content of 45.25%.

Vegetable Legumes. Of the six (6) promising lines of pole sitao, only KU8-2 outyielded the check variety (PSB PS2) by about 1.6 tons/ha. Aphid infestation and mosaic virus infection were not observed in all entries evaluated.

Corn. Among the corn hybrids evaluated, BA8401 – 6.88 t ha⁻¹ and PC8604 – 6.63 t ha⁻¹ were the high yielding yellow corn hybrids. The high yielding white corn hybrids were USMARC 20 – 5.14 t ha⁻¹, DA S2W032 – 6.76 t ha⁻¹ and DAS 2W020 – 6.73 t ha⁻¹.

Crop Improvement

Coconut. Among the new-bearing coconut accessions characterized, the local tall SWT was observed to have the highest copra yield per nut of more than 300 g., fruit quality value at 0.53, and meat thickness ranging from 11.17 mm (SRT) to 11.79 (SWT). BNV, a dwarf accession, yielded about 270.7 g of copra per nut and had the thickest meat of about 12.16 mm. Dwarf accessions, SGD and BBO, had a meat thickness of about 12.13 mm and 12.03 mm, respectively.

Abaca. During the year, 53 accessions were characterized based on their vegetative traits, 40 accessions for inflorescence, and 28 accessions for fruit and seed parameters. Likewise, 173 accessions (at 6-10 cultures per accession) were duplicated and conserved *in vitro* using an optimized slow growth medium while a total of 379 cultures from 145 different accessions were inoculated and maintained under different stages of inoculation and multiplication prior to duplication or conservation in slow growth medium.

Cassava. One hundred seventy-four (174) hybrids were screened and evaluated for tolerance to mites and scale insects in non-replicated trials. Three hybrids, namely: MOP 57-8, CMP 87-5 and CMP 87-8 were observed to be highly tolerant to scale insects while MOP 42-17 and MOP 61-9 were highly tolerant to mites. However, MOP 53-81 showed the highest tolerance to both mites and scale insects.

Postharvest Processing Machines and Utilization

Abaca

- ♦ **PPP-Model-2 Portable Stripping Machine.** This portable machine weighs 90 kg, has a flywheel weighing 15 kg, and a 2.2-KW (3.5 Hp) engine. The performance

of this machine compared to its traditional fixed-type counterpart was evaluated at the Tongonan Farmers Association (TOFA). Results of the evaluation showed that although the portable and the traditional strippers have more or less similar output capacities, the former still proved to be more efficient because it has lower fuel consumption since it uses a 3.5 Hp engine while the latter uses an 8 Hp diesel engine which requires two persons to crank and to guide the flat belt.

- ♦ **Modified Twining Machine.** Preliminary modification of the twining machine for twine production using coco coir fiber was made. The goal of producing coco twine using the developed twining machine for abaca fiber was realized by providing a hopper to feed the coir materials to the twisting components of the machine. However, more efforts still need to be done to improve the quality of the twine product.



Portable Abaca Stripping Machine.



The improved abaca pulper and calendaring machine developed by the National Abaca Research Center..

♦ **Abaca Pulper and Calendaring Machine.**

Two prototypes of improved abaca pulper and one prototype calendaring machine were developed and fabricated. The pulper was designed with vertically-bladed beaters capable of disintegrating cooked abaca fiber faster and without cutting them beforehand. The calendaring machine was used to make finished paper products thinner and more compact with uniform surface texture.

Tissue Culture

- ♦ **Sweetpotato.** Field evaluation of meristem-derived sweetpotato revealed that there were 30 morphological differences between the *in-vitro* -derived and field-sourced planting materials. The first generation meristem-derived plants outperformed the field-sourced ones in terms of herbage and root yield but their performance declined in the second generation. *In vitro* stockplants were continuously maintained and subcultured. At present, 19 different varieties/accessions *in vitro* are confirmed to be pathogen-free

while the rest of genotypes are still to be indexed.

- ♦ **Cassava.** Greenhouse and field evaluation of meristem-derived plantlets showed no morphological changes compared to the control (field-sourced planting materials). Results of the first trial showed that meristem-derived plants were healthier and bigger than the field-sourced planting materials, thus producing higher yield (more roots) and more stakes (propagules) for the next cropping. In terms of field stand, results of the second trial were more or less similar to the first. *In vitro* stockplants are being maintained using normal and slow growth conditions.
- ♦ **Taro.** Mannitol was more suitable in reducing growth rate of two taro cultures compared to other retardants. Follow-up experiment utilized narrower concentration range of mannitol from 3.5% as the lowest concentration and 5.5% as the highest. Due to insufficient stock plants of taro, only PSBG4 and VG1 were used.

Product Development

Sensory evaluation of the following products revealed that: *pickles from sliced singkamas and sweetpotato* (RC-2000), stored for nine months at ambient condition, were still comparable to the newly bottled pickles; *cassava cheesy bar* with the addition of glucose, margarine and water, improved its quality and can be stored for 4 days at ambient condition and 10 days when refrigerated; and *cassava espasol*, with the combination of sugar and glucose and the addition of buko strips, improved its quality and storability for two days at ambient condition and 14 days when refrigerated.

Development/Improvement of Techniques for Quality Maintenance and Shelf Life Extension of Fresh-Cut Fruits and Vegetables. Modified atmosphere packs improved the keeping quality of pineapple fruit slices, durian fruit capsules and potato shreds. Microbial population decreased with heat and calcium treatment but these treatments were ineffective in maintaining quality.

Production of Dehydrated and Vacuum-Fried Jackfruit Products. Using a frying temperature of about 90°C and frying duration of about 2 hours, it was observed that the blanched + frozen vacuum-fried products gave the best sensory qualities among the different methods used (blanching, chilling, and blanching + freezing). With the use of a combination of 0.6% ascorbic acid and 0.6% citric acid as preservative, 50% sugar level, drying temperature of 70°C and an air velocity of 0.25 m/s, the drying time of the product was about 7-8 hours to get a final moisture content of about 18% (dry basis) for sulfite-free dehydrated jackfruit.

Screening of White Corn Lines/Cultivars for Resistance to Diseases and Insect Pests. In the dry season planting, 12 white corn entries (USM Var 2, USM Var 6, USM Var 8, USM Var 10, USM Var 12, USM Var 14, CMU Var 10, CMU Var 12, CMU CDM, IES CN-2, IES 8906, and

VM-2) were rated resistant to stalk rot. In the field screening for resistance to insect pests, five (5) corn entries (USM Var 10, USM Var 12, VM 12, IES CN-2, CMU Var 10) were rated moderately resistant (MR) to the Asian Corn Borer (ACB). However, in the advanced evaluation in the screenhouse, only three entries (USM Var 12, IES CN-2, and USM Var 10) remained moderately resistant.

Development of Self-Pollinating and Precocious Makapuno-Bearing Palms Using Highly-Selfed Dwarf Coconut Cultivars. F₁ makapuno-bearing palms showed good growth with a mean leaf production rate for the year of 18 in TAC x MAC and 17 in CÑO x MAC and data on girth size and trunk height did not differ much. Makapuno yield was higher in TAC x MAC with a mean of 24% and weight of dehusked nut of 795g -1,832g than CÑO x MAC with a mean of 493g -1,300g weight of dehusked nuts. The following F₂ homozygous makapuno palms had also good growth with semi-annual leaf production rates of 9 and 10: VMAC 4 – had the tallest trunk and biggest girth; VMAC 1 – had the highest yield with 100% makapuno fruits but the smallest nuts weighing 332 g; VMAC 2 – had makapuno yield of 98%; VMAC 3 – had makapuno yield of 97%; and VMAC 4 – had makapuno yield of 94% but had the biggest nut with a mean weight of 1,580 grams.



Makapuno plantation of NCRC-V.



One of the revised best management posters.

Information Materials on Pest Management.

Seven posters on root crop and abaca diseases measuring 30" x 40" were developed and printed in canvass following the suggestions of technicians to have bigger pictures of pests and diseases with corresponding damage or symptom description. These posters were distributed to LGUs in the different municipalities in Leyte.

Enhancement of Knowledge Management for the National Research and Development System for Agriculture and Fisheries (NaRDSAF). The R&D databases were prepared for launching in the b. The front-end modules of the R & D system and database structure were revised following the DA Research Management System (DARMS) requirement. The Document Tracking System of the Bureau of Agriculture (BAR) was refined as well as the Daily Time Recording System, which involved the development of modules to generate Employee Leave Cards, Daily Time Records with computed leave credits for

Development and Commercialization of Makapuno-Based Dried Food Products

The combination of makapuno and sweetpotato (SP-violet) gave the best results for makapuno-based dried (candy) and baked (tart) products. Makapuno-based jam was best obtained from Makapuno-SP and Makapuno-Mango combinations. Makapuno liquid endosperm was best used as stabilizer for ice cream processing and as makapuno spread. Best results were likewise obtained in processing Makapuno Macaroons using makapuno soft endosperm and freshly grated coconut; and pure Makapuno Strips using the hard endosperm. Makapuno Candy, Makapuno-SP Jam, Makapuno-Mango Jam, Makapuno Strips, Makapuno Spread,

Makapuno-SP Tart, and Makapuno Macaroons could be stored in 6, 5, 12, 12, 12, 6, and 2 months when refrigerated; and 1.5, 0.5, 8, 10, 10, 1, and 0.25 months under ambient conditions, respectively. The storage stability of the processed ice cream utilizing makapuno liquid endosperm as stabilizer depended on the storage condition. Although initial pilot marketing of some makapuno-based food products gave very promising results, thorough economic analysis of each product still needs to be done.

Livelihood and Livestock Systems Project: Improving Dairy Buffalo Production Systems through Participatory Action Research

Two participatory approaches used in the study - small farm experimentation (SFE) and cross visitation (CV), convinced the farmers to feed their dairy buffalos with roughage/forage *ad libitum* and to provide variety in the diet, especially the addition of legumes and concentrates to increase milk yield. Farmers expressed their need for assistance in identifying feedstuffs and formulating low-cost concentrate mixes that would promote higher milk yield. Small farm experimentation and cross visitation proved to be effective participatory approaches in improving dairy systems and in disseminating improved practices and processes among farmers. However, the need for LGU-MAO development workers to be versatile in designing, monitoring, and evaluating small farm experiments and in the intricacies of farmer participation was pointed out to make technology dissemination more successful at the LGU level.

Protection of Freshwater Resources in Leyte

Four rivers in Baybay, Leyte (Lago-lago, Calbigaa, Tubod, and Dungcaan) and Lake Danao in Ormoc City were monitored to determine their ecological status. The physico-chemical parameters in these water bodies were found to be within the normal range. Ten

taxonomic fauna were identified, of which Ephemeroptera, Coleoptera and Diptera were the most abundant and ubiquitous. (Some of these organisms can be used as bioindicators.) Beneficial utilization of these water resources included washing clothes, bathing, as fishing ground and as source of potable water for humans and livestock. Despite the importance of these resources, some people still used them as dumping sites and for sand extraction thereby polluting the water and destroying the river bed. Residents around the areas perceived some sustainable ways to use the river. To enhance such awareness, educational materials like pamphlets and billboards in dialect were posted in strategic areas to remind the residents of the great importance of the water resources and the need to protect and conserve them. Participatory mitigating activities to rehabilitate destroyed portion of the rivers included river clean-up and riparian tree planting.

Evaluation of Silvicultural Management, Ecological Changes and Market Study of Products of Existing Rainforestation Demo and Cooperator's Farms

Rainforestation Farming technology provides for the reforestation of degraded areas by establishing diverse and economically-oriented sustainable tree-farm. It creates income opportunity out of an area that is no longer economically productive, while at the same time producing timber of high quality for a demanding market.

Of the three sites (Cienda, Catmon, and LSU) that were inventoried and assessed for current vegetation cover, the LSU demonstration farm had the most number of tree species planted but Cienda RF had the highest stand density. The LSU demo farm had higher invertebrate biodiversity, particularly arthropods, than the two sites. Improvements in some chemical properties of the soil in the RF sites of LSU, Cienda and Catmon were noted aside from the improvements in soil color and

structure, particularly surface horizons. However, considerable monthly variations of the monitored soil chemical properties were observed, suggesting that the forest ecosystems have not yet reached stable stage.

Wood furniture made of lauan and narra are in great demand in the market but there is a problem of wood supply. Round timbers as products of the RF have potential uses such as baby's crib, telephone stand, magazine racks and other small handicrafts. Round timber can fill the supply and demand gap because these are harvested without cutting the entire tree, thus sustaining ecological balance. Cash crops and fruit trees planted in the RF farm during the first three years of its establishment gave supplemental income to farmers.

RESEARCH AWARDS

Commendable performance of the researchers paid off through the awards and recognitions they received through their participation in scientific fora and symposia.

LSU President, *Dr. Paciencia P. Milan*, was accorded an **Environmental Leadership Award 2005** by the DaimlerChrysler during the 4th Magdeburg Environmental Forum in Magdeburg, Germany on November 15, 2005 for having been a significant contributor to environmental excellence through her involvement in the project, Abaca-Natural Fibers Used on Passenger Car Exterior.

Dr. Bernardita P. Germano of the Department of Biological Sciences won the National Aquatic Resources Research and Development System (NARRDS) Award for **Best Research Paper** (2nd place) for her research work entitled "Population, Reproductive and Fishery Biology of the Ear Abalone, *Haliotis asinine* Linne, in Leyte and Samar."

Dr. Julie D. Tan of the Philippine Root Crop Research and Training Center (PhilRootcrops) was granted a **professorial chair** by the Philippine Agriculture and Resources Research Foundation, Inc. (PARRFI) effective September 2005 to August 2006.



The LSU research awardees during the 17th DA-BAR National Symposium (L-R): Prof. Alan B. Loreto, Prof. Algerico M. Mariscal, Dr. Bernardita P. Germano, Dr. Lucia M. Borines, Engr. Macuin F. Delantar, and Dr. Daniel S. Tan.

The following LSU researchers won awards during the 17th DA-BAR National Research Symposium, 3rd Technology Forum and A/F R & D Budget Dialogue 2005 at the RDMIC Building in Manila on October 4-7, 2005: *Dr. Daniel Leslie S. Tan* of the PhilRootcrops, *Dr. Lemuel M. Diamante* of the Department of Food Science and Technology (DFST) and *Mr. Jonathan H. Perez* - 2nd place in the Basic Research Category on their paper, "Thin-Layer Drying of Cassava;" *Engr. Feliciano G. Sinon* and *Engr. Macuin F. Delantar*, both of the National Abaca Research Center - 2nd place in the Technology Generation Category on their paper, "Development of a Multi-Stranded Yarning Machine for Abaca Fiber;" *Engr. Alan B. Loreto*, *Dr. Marcelo A. Quevedo* and *Prof. Algerico M. Mariscal* of the PhilRootcrops, *Mr. Masanori Okazaki* and *Mr. Koki Toyota* of Japan - 2nd place in the Technology Adaptation/Verification Category on their paper, "Development of a Village- Level Sago Starch Grater Machine;" and *Dr. Bernardita P. Germano*, *Ms. Jenny Lynn F. Melgo* and *Ms. Julissah C. Evangelio* of the Department of Biological Sciences (DBS) - 3rd place in the Applied Technology Generation Category on their paper, "Growth, Mortality, Recruitment and Other Fishery Parameters of the Blue Crab (*Portunus pelagicus* L.) in Different Fishing Grounds in Leyte and Samar, Philippines."

In the Creative Research (Likha Award) competition sponsored by the Technology Application and Promotion Institute (TAPI) of the Department of Science and Technology (DOST), *Engr. Feliciano G. Sinon* and *Mr. Alberto Martinez, Jr.* of the National Abaca Research Center (NARC) and *Mr. Legario Ramos* of the Department of Pure and Applied Chemistry (DoPAC) got **3rd place** in the Outstanding Creative Research for Agriculture, Fisheries and Forestry-Government Sector Category while *Dr. Lemuel M. Diamante* of DFST won **3rd place** in Food and Nutrition-Government Sector Category.

UNIVERSITY ETHICS REVIEW BOARD

In compliance with the requirements of the National Ethics Review Board (NERB), LSU created the University Ethics Review Board (UERB) composed of Dr. Edgardo E. Tulin as chairman and the following as members: Prof. Efren B. Saz, Dr. Roberto C. Guarte, Dr. Dilberto A. Ferraren, Dr. Tomas J. Fernandez, and Dr. Andresito D. Acabal. The Board is tasked to establish an institutional mechanism for reviewing research proposals related to biochemical and non-biomedical studies for ethical consideration and ensure uniform ethical standard in the conduct of research, development and extension projects in the University

COLLABORATIONS/ LINKAGES

LSU signed memoranda of agreement/ understanding with the following agencies/ institutions: Department of Agriculture-Regional Field Unit No. 8 (DA-RFU 8) – on the use of biological control agents in the genera *Metarhizium* and *Beauveria* for jackfruit fruit fly; Tokyo University of Agriculture and Technology (TUAT) – collaborative research on nutrient and water balance for sago intercropped with taro and inventory and starch profiling of sago in Region VIII; Protected Areas and Wildlife Bureau (PAWB) of the Department of Environment and Natural Resources (DENR) – for the collection of Actinomycetes from selected soils in the Philippines for screening and possible production of antibiotics; Philippine Rice Research Institute (PhilRice) – in conducting technical review of the different approaches in producing a genetically modified abaca resistant to virus diseases; Philippine Council for Agriculture, Forestry and Natural Resources Research and Development



LSU President Dr. Paciencia P. Milan signing the Memorandum of Understanding (MOU) with Albura, Leyte Mayor Sixto H. dela Victoria and the Albura Abaca Producers Cooperative (AAPC).

(PCARRD) – to use the virus resistance technologies for sweetpotato (*Ipomoea batatas*) licensed to PCARRD to develop feathery mottle virus-resistant sweet potatoes for the principal benefit of smallholder farmers in the Philippines; Market Encounter Goes to Manila Foundation, Inc. (MEGMA), Philippine Council for Agriculture, Forestry, and Natural Resources Research and Development (PCARRD), and four research consortia namely: Central Luzon Agriculture and Resources Research and Development Consortium (CLARRDEC), Cotabato Agriculture and Resources Research and Development Consortium (CARRDEC), Ilocos Agriculture and Resources Research and Development Consortium (ILARRDEC), and Visayas Consortium for Agriculture and Resources Program (VICARP) – to hasten the commercialization and utilization of research results and technologies in agriculture, forestry, and natural resources; Local Government Unit of Albura, Leyte and Albura Abaca Producers Cooperative (AAPC) – to improve abaca production, processing and marketing.

ACQUISITIONS

Aside from construction, repair and upgrading of facilities, the different centers acquired the following facilities through purchase and donation:

ITE – 3 units computer equipped with CD/DVD writer and printer of which 1 was from gtz-LIP, 1 unit each of pH meter and conductivity meter, Biological Oxygen Demand (BOD) bottles, and glassware.

FARMI – 4 units printers, 1 unit computer, 1 cassette recorder, 3 USBs from ALO and 1 computer from ViCARP

NARC – 3 units computer, 3 UPS, 1 printer, 1 aircon – from ACIAR

ISRDS – 2 video tapes (documentary films) from Tambuyog Development Institute, 63 books from Fredrich Ebert Stiftung (FES) and other partners of ISRDS

NCRC – 1 unit bead sterilizer, 10 units electric fan

Extension

The University's extension efforts aimed at empowering local communities and enhancing the capability of local government units to provide extension services to their constituents.

TECHNICAL SERVICES/ CONSULTATIONS

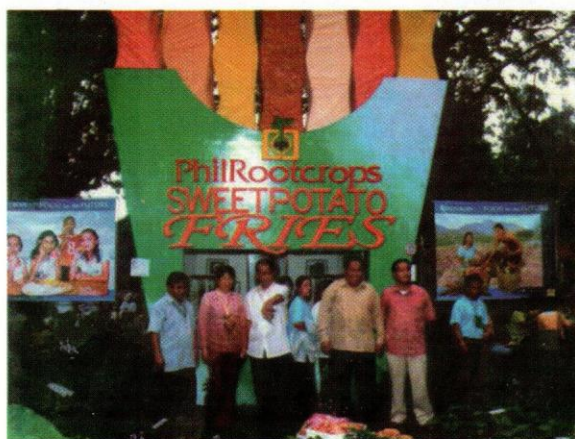
The different units of the University extended technical support to their respective clientele:

Farm and Resource Management Institute (FARMI) - technical assistance to three NGOs in Leyte in managing Sustainable Agriculture projects and research collaborators in analyzing data and preparation of reports.

National Abaca Research Center (NARC) – technical assistance on site survey, disease identification/pest control of abaca, abaca production and management, abaca waste utilization, post-harvest processing and utilization; facilitated/assisted in the formulation of provincial ordinance regulating the establishment of abaca plantation, harvest and transport of abaca plants and parts, and planting and movement of alternate hosts of abaca insect vectors within Leyte; facilitated the creation of Abaca Disease Management and

Leyte State University (LSU)

Annual Report 2005



Agriculture Secretary Domingo F. Panganiban (3rd from left, left photo), accompanied by LSU officials and DA Regional Exec. Dir. Leo P. Cañeda (rightmost), looks at various displays during the Farmers & Fisherfolks' Day; Ms. Rose Ong, President of the Cebu Ornamental Multipurpose Cooperative (2nd from right, right photo), assisted by Dr. Manuel K. Palomar, LSU Vice President for Development and External Affairs, cuts the ribbon to open the Flower and Garden Show and Booth Exhibits.

Rehabilitation Team (ADMART) within the 5th District of Leyte in every municipality down to the *barangay* level in cooperation with LGUs, FIDA, OPA-Leyte, ATI-NTC, etc; facilitated/assisted 1 district-wide consultative-planning workshop, 2 orientation-planning workshops on Abaca Disease Management, and 2 training-orientations of *barangay* captains and *barangay* peace-keeping force locally known as *barangay tanod* on the ordinance regulating *umbak* gathering, disease mapping, and masterlisting of abaca farmers in 138 barangays in 9 abaca-growing municipalities of Leyte; and assisted in the distribution of chemicals and sprayers to the affected farmers.

National Coconut Research Center-Visayas (NCRC) – technical assistance in the choice of makapuno/coconut planting materials, selection of suitable sites for planting coconut, choice of border plants and intercrops, fertilizer application on coconut, copra drying using the semi-direct type copra dryer, and coconut shell charcoal-making technology.

Philippine Root Crop Research & Training Center (PhilRootcrops) – technical assistance to Triple A Plantech Enterprises in San Pablo, Laguna on the use of tissue culture protocol for ubi; Bali Farm Crop Research Center (BFCRC) in Cagayan de Oro City on the use of tissue culture protocol and research collaboration on the optimization of *in vitro* and *ex vitro* protocol for purple yam; and Merro's Enterprises in Bunga, Baybay, Leyte on their order for rootcrop-based processing machines. PhilRootcrops sent experts to Barangay San Jose, Mabini, Bohol to investigate or gather facts/information on the cause of death of the 27 school children who ate cassava-based food product called *maruya*. Their findings revealed that the cassava used as raw material for the *maruya* was not the cause of children's death.

Institute of Tropical Ecology (ITE) – technical advice on aquaculture particularly on the culture technology of freshwater prawn and identification of possible area for tilapia pond using Excel variety in Barangay Damulaan, Albueria, Leyte.

Institute of Human Kinetics (IHK) – technical assistance on the mode and conduct of basketball tournament in Barangay Pangasugan and how to formulate ground rules and to break a triple-tie using the quotient system in the basketball tournament at Brgy. Marcos, Baybay, Leyte; and facilitated the Mayor's Cup tennis tournament sponsored by Baybay Mayor Jose Carlos Cari and Baybay LGU in cooperation with the Baybay Tennis Club.

Multimedia Development Center (MMDC) – assisted DevCom students in the production of their developmental dramas and radio documentaries and helped in the conduct of various workshops as facilitator or resource person.

Department of Animal Science (DAS) – technical support to private swine raisers, sheep raisers, and pet owners in nearby municipalities and barangays.

Department of Family and Consumer Sciences (DFCS)/BIDANI – technical backstopping to the extension staff of LSU Isabel Campus, Municipal Technical Action Committee (MTAC), and Municipal Nutrition Council (MNC) in the municipalities of Baybay, Hindang, Hilongos, Bato, Matalom, and Albueria, Leyte and Ormoc City in the operationalization of the BIDANI extension strategy, conducting seminars/training/cooking demo/BNAP formulation workshop/nutrition education; support services during the launching of supplemental feeding using freshmilk in Albueria, Leyte; BNS meetings; national nutrition evaluation in Hindang, Hilongos, and Baybay, Leyte; culmination of nutrition month celebration in Hindang, Hilongos, Bato, and Matalom, Leyte; and assistance to NUTRIPAK association in compliance with the requirements for DOLE registration and marketing of NUTRIPAK.

Department of Horticulture (DOH) – technical assistance to fruit tree/vegetable/ornamental growers on orchard/vegetable/ornamental establishment and cultural management, and flower induction and fruit initiation of mango.

Department of Pest Management (DPM) – technical assistance to clientele in the identification/diagnosis of pests attacking their crops and the appropriate control for the specific pest species, culture of biocon agents, and microbial analysis of feeds.

Department of Agroforestry (DAF) – technical support to the municipalities of Inopacan, Isabel, and Dulag in Leyte and Libagon in Southern Leyte and to the Leyte Island Program of the Provincial Government of Leyte - in the field of forestry and environment; and People's Organization - on seedling production as livelihood.

TECHNOLOGY PROMOTION

Techno Demofarm/Nurseries/Structures

NARC established three farmer-managed abaca nurseries in Albueria (2) and Ormoc (1). It also accredited more nurseries in farmers' fields which provided the needed planting materials for the expansion and rehabilitation program of abaca. These nurseries also served as demonstration

farms to showcase the performance of the Center's introduced abaca varieties.

NCRC established and maintained a demo farm on coconut-based intercropping using annual crop specifically squash, upo and ginger as intercrops; demo farm on LSU makapuno hybrids; showcase of the copra dryer and charcoaling pit.

DOH provided technical assistance to 6 privately-owned technology demonstration farms in 5 towns of Leyte (Dulag – 2, Bato – 1, Isabel – 1, Merida – 1, and Leyte – 1).

Garden Shows/Agri-Trade Fair/Exhibits

Aside from maintaining a stationary exhibit at the Office of the Director for Research and Extension, the following centers/departments of the LSU Main Campus participated in garden shows, trade fairs and exhibits in Ormoc City, Baybay town, Tacloban City, and Candahug, Palo: *DOH* - 4 garden shows and agri-trade fairs; *NCRC* – 6 agri-aqua and agro fairs; *PhilRootcrops* – 5 exhibits and agro-industrial fairs.



Abaca nursery at the farmer's field (left photo); the charcoaling pit of NCRC-V as showcase (right photo).



Pamphlets and brochures on coconut and systems of rice intensification (SRI) produced by of NCRC-V and FARMI, respectively (left photo); turnover of the abaca stripping machine to the PPP-assisted abaca cooperatives by NARC (right photo).

Distribution of Reading/ Communication Materials

Pamphlets, brochures, leaflets, technoguides, recipe leaflets, training modules, and production handouts were produced and distributed to farmers and other clientele for free or at cost by the following centers, institutes, departments of LSU: **NARC** – 430 flyers on abaca bunchy-top virus disease and its control; 558 brochures on abaca technologies, utilization of abaca stripping wastes into handmade papers, *Hustong Pag-abakahan* and *Pagkigi sa Abaka*; 50 leaflets on NARC RD & E; and 50 CDs on abaca diseases management (in local dialect); **NCRC-V** – 256 copies of technoguides on *Mga Maupay Nga Klase han Lubi, Pamaagi sa Pagpananom og Saging, Pagpananom og Pinya Ilawom sa Kalubihan, Pag-andam, Pagpananom ug Pag-atiman sa Kalubihan, Coconut Nursery Management, and Cultural Management Practices of Ginger Production Under Coconut*; **PhilRootcrops** – 80 rootcrops production technoguides and hand-outs, 40 training modules, 30 copies of SP jam recipes, and 30 leaflets on How To's on Cassava Flour Processing; **ITE** – 850 IEC materials; **FARMI** – more than 1,000 System of Rice Intensification (SRI) handouts in Cebuano and Waraywaray dialects; **DOH** – 460 guides on ornamentals, 172 brochures on vegetables, 435 brochures on fruits,

47 production guides on plantation crops, and 230 brochures on Bioorganic Fertilizer Production; and **ISRDS** - 4 issues of R&D Datafiles.

Distribution of Planting Materials

The following units of the University produced and distributed planting materials such as cuttings, seedpieces, seeds, plantlets, etc. for free or at minimal cost to various clientele: **NARC** – 4, 500 pieces of tissue-cultured plantlets and 2,000 seedpieces of abaca; **NCRC-V** – 4,978 seedlings and 1,560 seednuts of high yielding coconut cultivars and hybrids, 515 in vitro-cultured hybrid makapuno seedlings, 300 nuts of VMAC 1 and VMAC 2, and 75 rooted blackpepper cuttings; **PhilRootcrops** – 67,000 cassava and 61,000 sweetpotato cuttings, 650 gabi setts, and 1,600 kg of ubi; **ITE** – 3,500 tree seedlings; **DOH** – 2,274 kg of various vegetable seeds; 11,122 mango, 7,898 rambutan, 6,979 lanzones, 6,250 pummelo seedlings, and more than 500 seeds of other fruit crops; **DASS** - 1,849kg lowland rice, 150kg glutinous rice, 21kg upland rice, 2,183kg corn, 15kg sweet corn, 80kg peanut, 80kg soybean, 190kg mungbean, and 15kg sorghum; and **DPBG** – 838.0kg certified rice seeds, 4,752kg registered rice seeds, 5,590kg superior quality rice, and 2,317kg corn seeds.

Fabrication of Processing Machines

During the year, **NARC** fabricated and distributed 10 units portable stripping machines to farmer cooperatives, abaca farmers and businessmen.

Commercialization of Sweetpotato Pickles and *Pinoy* Fries (SP Fries)

The commercialization of the *Pinoy* Fries was launched on March 21, 2005 during the PhilRootcrops anniversary. The actual commercialization was done within the LSU campus and results showed that the snack item was highly acceptable to college and high school students. The commercialization of the **Sweetpotato Pickles** was only sustained at the Tacloban airport due to erratic supply of RC-2000 (raw materials) which hindered the continuous production and steady supply of the product to other outlets.

Laboratory Analysis of Soil and Plant Samples and Pest Diagnosis

The Soil Research Testing and Plant Analysis Laboratory of DASS analyzed 516 soil samples, 127 plant samples, 4 samples of organic

materials, and 30 water samples submitted by researchers, students, farmers, private firms and individuals, and non-government organizations. The Pest Clinic of DPM diagnosed 13 infected/infested plant samples submitted by researchers, students, and plant propagators from the Abuyog Experiment Station in Abuyog, Leyte.

PROGRAM IMPACT

The Department of Horticulture (DOH) proved the impacts of the following programs: **ornamentals** – increase in production and commercialization of ornamentals; **vegetables** – increase in production of vegetables through natural or organic farming; **fruitcrops** – enhanced capability of mango orchard owners to effectively induce flowering and produce quality fruits; **plantation crops** – improved the utilization of the coffee project of the department.

TRAININGS

Ten out-of-school youth (OSY) from the municipality of Baybay, Leyte received their diplomas as graduates of the Youth Program spearheaded by the Leyte Youth Conservation Corps (LYCC) after the three months training



Dr. Roberta D. Lauzon, Dean of LSU-Tolosa Campus, conducting a Training on Fish Processing (left photo) and Fish Production (right photo).

to develop their concern and draw their active participation in natural resources preservation and protection.

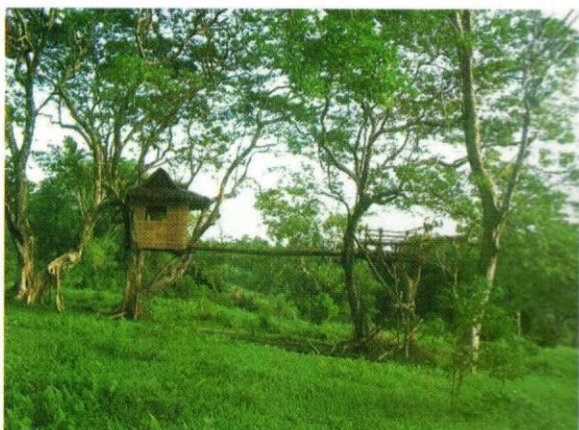
Seventeen (17) learners of the Agri-Entrepreneurship and Functional Education Program (AEFEP) spearheaded by LSU's Institute for Strategic Research and Development Studies (ISRDS) passed the 2005 Non-formal Education Accreditation and Equivalency (NFE A&E) Test and are thus qualified to pursue either college education, vocational and technical skills program of TESDA, or get jobs requiring completion of high school education.

The Institute of Human Kinetics conducted a Summer Badminton Clinic and Tournament for badminton enthusiasts and players on April 11-16, 2005 at the LSU Gymnasium.

The different departments, colleges, and centers of the University continued to serve their clientele through trainings, seminars, briefings, workshops and clinics in their areas of specialization (Table 8).

HIGHLIGHTS OF EXTENSION PROJECTS

Development of LSU as Adventure Destination. One of the most important features of this project is the establishment of the Nature Park where LSU's environment-friendly technologies will be showcased. The Nature Park, although it is yet being developed, has already received a number of visitors, trekkers, mountaineers and campers and has earned income from entrance fees and payment for its use in activities like camping or group fellowships. The establishment of some proposed features of the Park like the butterfly sanctuary, pesticidal and medicinal garden has been started, while the maintenance of the existing features including the Natural Pool has been undertaken. The ongoing construction of the butterfly sanctuary is supported by the Erwin Warth Foundation, Germany with the students of the National Service Training Program (NSTP) giving assistance in beautifying, landscaping and maintaining the area. The waterline from the main spring is



The tree house and view deck (left photo) and the ongoing construction of the butterfly dome (right photo) at the Molave Hill.

Table 8. Trainings conducted/services rendered by departments/centers in CY 2005.

DEPT/ CENTER	TITLE OF TRAINING/SERVICES RENDERED	TYPE OF CLIENTELE	NUMBER OF PARTICIPANTS
National Abaca Research Center	Abaca production and management; pre-education membership on rainforestation farming and abaca production; abaca waste utilization; refresher course on abaca bunchy-top management; orientation training of new abaca technicians; abaca products and by-products utilization; briefings on abaca technologies; information caravans on eradication of abaca bunchy-top virus (ABTV) disease	Farmer leaders, abaca farmers, housewives, rural women, coop members, technicians, foreign students, barangay officials, LGUs, researchers, scientists	1,737
National Coconut Research Center - Visayas	Coconut-based cropping systems, coconut shell charcoal making, briefings, short lectures, technology demonstrations	Farmers, students, pupils, LGU officials, teachers, businessmen, gov't. employees	1,477
PhilRootcrops	Quick composting using indigenous micro-organisms (IMOs), <i>Trichoderma harzianum</i> and farmers' practice, cassava and sweetpotato production, processing and utilization; bio-organic fertilizer production; technical briefings	Farmers, DA technicians, students, professor/instructor, LGU staff, entrepreneurs, businessmen, researchers, DAR employees	861
Farm & Resource Management Institute	Basic GIS/GPS and ARCVIEW 3.2 software and its application; System of Rice Intensification (SRI) seminars/orientation	ICRAF staff, OPAs, MAOs, ATs, farmers	1,512
Institute for Strategic Research and Development Studies	OSY skills for life training, cosmetology (pedicure, manicure and hairstyling); municipal/barangay watershed management and dev't. planning; preparation of GAD plan and budget and accomplishment report; ornamental gardening and entrepreneurship; strengthening academe-LGU-NGO partnership in RDE: issues and prospects; ALS & E training OSY program; OSY project assessment and strategic planning workshop; gender mainstreaming for LGUs, basic water rights for barangay and municipal LGU and NGO workers in the water and sanitation project	AEFEP learners, OSY, Brgy. LGU & BWASA officials of barangays, college deans and budget officers of LSU, ornamental growers, development workers, instructional managers, project implementers, municipal officials who chair the general services and sanitation committees	415
Institute of Tropical Ecology	Trainors' training on paralegal for Fisheries Law Enforcement Team (FLET); enhancing capability in protecting <i>pawikan</i> nesting sites; orientation and cross visits on rainforestation farming; nature trek/camp; environmental forum; environmental education on recycling	LGUs, POs, deputized fish warden, students, HARIBON clientele, out-of-school youth	547

DEPT/ CENTER	TITLE OF TRAINING/SERVICES RENDERED	TYPE OF CLIENTELE	NUMBER OF PARTICIPANTS
Institute of Human Kinetics	How to play volleyball, how to officiate basketball games, how to make ground rules, piano/guitar lessons, soccer lessons for the kids, badminton clinic	Municipal officials, OSY, Farmers, professionals, businessmen, managers, elementary and high school students	627
Dept. of Dev't Communication	Campus Journalism; use of instructional materials (IMs) on hygiene; theater workshop II; development of self-learning module; students congress; educational radio program production	College/high school students, graduate faculty, elementary school teachers, farmers	635
Dept. of Animal Science	Chicken egg production; native chicken production; goat raising; animal health and animal production; pasture development; duck production and enterprise development; livestock planning workshop; compost making using chicken dung; training of student field practitioners	Farmers, students, walk-in callers, cooperatives and extension workers, private swine/sheep raisers	340
Dept. of Pure & Applied Chemistry	Gas chromatography, chemical arts re-equipping initiative, open forum/trainings for chemistry majors	LSU faculty/research staff and students, Leyte District V high school Chemistry teachers, alumni	492
DLABS	Served as advisers to student organizations	Students	
Dept. of Math, Physics & Statistics	Data management, statistical analysis and interpretation of social research data; research agenda formulation	Faculty/ researchers of CHED- supervised schools in Region 8, faculty and researchers of LSU and ESSU	92
Dept. of Food Science and Technology	Ginger products, Guimbal farmers and coordinators, Pinoy pan de sal bakers training and forum with slide show on cake preparation and decoration	Farmers, coordinators, bakery owners, individuals	80
Dept. of Computer Science & Tech	Use of Instructor Performance Evaluation System (IPES); basic Linux operation and familiarization on Linux Open Office Productivity tools	Selected faculty and staff of LSU Main and satellite campuses	40
Dept. of Economics	Effective utilization of financial resources; data management; statistical analysis and interpretation for social science research; SWOT analysis; products/sites identification and packaging of potential tourist destinations in Baybay, Leyte	Coop members, farmers, housewives, researchers, LGU officials	

DEPT/ CENTER	TITLE OF TRAINING/SERVICES RENDERED	TYPE OF CLIENTELE	NUMBER OF PARTICIPANTS
Dept. of Family & Consumer Sciences/BIDANI	Advocacy/orientation/briefing/ground working on the BIDANI strategy and its operationalization; technical backstopping in the operationalization of BIDANI; strategic planning/meeting/lectures/workshops; Barangay Management Information System (BMIS) and Participatory Domiciliary Nutrition Rehabilitation (PDNR) orientation; sectoral planning workshop; Barangay Integrated Development Plan (BIDP) orientation and critiquing; PDNR monitoring and lectures; reinforcement training on BIDANI strategy; coordination/facilitation and liaison services to LGUs, CMNCs on nutrition-related activities and IGPs; local nutrition evaluation in partnership with MNC; assisted BNC in the preparation of data to be evaluated during national nutrition evaluation; mother's classes/IGP meeting; facilitated the marketing and payment of NUTRIPAK; assisted the processing of papers required for renewal of permits of NUTRIPAK association; facilitated the conduct of training on simple record keeping/editing of DAMPO financial statements, Good Manufacturing Practices (GMP) and Nutripak production; facilitated cooking demo/purchase and delivery of food miller for nutripak production;	Key administrators, extension staff of SUCs, extension head, mothers, municipal officials, school children, pregnant women, malnourished pre-schoolers, Regional Technical Working Group DILG, representatives from DepEd, DSWD, NEDA and DA, EVSU faculty, MSWDO, RHU personnel, NGOs, MNAO, MA, MPDO, MHO, midwives, BSPOs, BHWs, ABC presidents, barangay officials, NAKPA members, Barangay Nutrition Scholar (BNS), city nutrition committee (CTO), CASO, municipal employees, research staff, BIR clerk, DAMPO manager & secretary, food miller fabricator	6,098
Dept. of Horticulture	Cultural management of cutflowers, landscape/foliage/ indoor/ornamental plants, chrysantimums, cacti, anthurium; landscape gardening and identification of ornamental plants; livelihood projects in flower production; insights on rose and vegetable production; hands-on training on asexual propagation of fruit trees; bioorganic fertilizer production; ornamental/vegetable production, cultural management of vegetables; growing solanaceous crops; possible export of potted plants; container gardening; nursery management; ornamental gardening and entrepreneurship training; establishment of cold storage facilities for high value vegetables and cutflowers; farmers' forum	Farmers, growers, government employees, teachers, students, businessmen, entrepreneurs, youth, marketers, SUC & gov't. personnel	994
Dept. of Pest Management	Mushroom culture, briefing of clientele on biocon agents/management approaches on the pest problems encountered, diagnosis of infected/infested plant samples, information drive on abaca bunchy top disease, light trapping of rice bug	Farmers, technicians, plant propagator	97

DEPT/ CENTER	TITLE OF TRAINING/SERVICES RENDERED	TYPE OF CLIENTELE	NUMBER OF PARTICIPANTS
Dept. of Budget and Management	Feasibility study preparation and income generation project management, simple record keeping/accounting and bookkeeping, business ethics, capability enhancement	Farmers, faculty and staff of TTMIST, LGU personnel, members of OLDAPRIMCO	134
Department of Agroforestry	Forest assessment techniques, nursery model validation, primer validation, ACIAR project planning/ initial policy/ action research/second action research workshop	Researchers, professionals, technicians, farmers, local leaders, DENR staff, LGU leaders, CFNR faculty, students, professors from Univ. of Goettingen, Germany	168
Dept. of Forest & Wildlife Mgt. & Conservation	Conservation of forest genetic resources in Southeast Asia and utilization of genetic resources in Southeast Asia	Professionals and graduate students	50
LSU Radio Station DYAC	News writing and reporting with emphasis on saying what you see; education radio production; producing soft features and mini-documentary, conducting interviews, voicing techniques	VICARP-RACO coordinators, newly-hired employee, Broadcasting major students	23
LSU-Isabel	Livelihood skills training, mother's class and feeding, meat processing, BIDANI strategy, LIFE (AAEFEP)	Adults, youths, mothers/ housewives, children, barangay officials, OSY	373
LSU-Tolosa	Fish production through mariculture, fish processing, livelihood skills training summit, tourism development for Tolosa municipality, roundtable discussion for agriculture/ fisheries and biology, leadership training, accreditation	Coop members, entrepreneurs, housewives, BFAR, LGUs of Tolosa, fishermen, SSC/class officers, SUC heads	
LSU-Villaba	Basic literacy, nutrition and sanitation education, livelihood skills training	Mothers/housewives, out-of-school youth, pre-schoolers	147

already functional at the Molave Hill and a tree house with a view deck was built as an added accent to the park. Additional park billboards and signs were installed and trails have also been developed and cleaned. Materials for the construction of a one-stop shop and snack bar are already available but construction will start in 2006 yet.

Coastal Resources Management Project of Baybay. LSU's Aquatic Ecosystems Division together with DENR Region 8 conducted a trainers' training on participatory coastal and marine resources assessment in response to the request of the local government unit of Hilapnitan, where two industrial firms for oil and pulp processing are located. Joining the Hilapnitan participants were other DENR and LGU personnel from other provinces. Another refresher training for fish wardens, who were to join the Fisheries Law Enforcement Team (FLET), was conducted to strengthen local law enforcement in the coastal areas. This team was organized under the umbrella of the Integrated Fisheries and Aquatic Resources Management Councils (IFARMC) from the western coast of the 5th district of Leyte (Baybay to Matalom).

Entrepreneurship Development for Out-of-School Youth (OSY). A training on cosmetology (manicure, pedicure and hairstyling) was conducted to 20 participants in Brgy. Gaas, Baybay, Leyte wherein they were allowed to loan materials from the project to start their venture. A training on waitering was also conducted to 15 participants in Bato, Leyte and the trainees were assured of employment at Jollibee-Cebu.

Non-formal Education and Accreditation and Equivalency (NFE A&E) System. Weekly group learning sessions (GLS) were conducted to prepare high school OSY for DepEd's Non-formal Education Accreditation and Equivalency (NFE A&E) Test held on February 20, 2005. Of the 155 Leyte examinees, 18 (11.6%) passed the examination, of whom 17 (94.4%) were AEFEP clientele. The passers were qualified to enroll in college or TESDA starting SY 2005-2006 or seek employment requiring High School Diploma. In June 2005, a total of 175 learners were recruited and 60 were registered for the 2006 ALS A&E Test.

Agroforestry and Fruit Tree-Based Technologies. The project successfully promoted the planting of trees including fruit trees in marginalized uplands of Region 8. GOs, LGUs and NGOs supported the program through distribution of planting materials, thus the rapid increase in hectareage planted to fruit trees and timber trees. Tree farmers in Matalom were given assistance in registering their trees to facilitate legal harvesting.

Systems of Rice Intensification (SRI). Some 250 SRI leaflets were produced on cost recovery scheme and handouts in Cebuano and Waraywaray dialects were distributed free of charge to farmers and technicians. DA technicians of Baybay, Leyte were also motivated to conduct SRI orientation and training on organic composting to farmers in Sitio Tipay, Sta. Cruz, Baybay, Leyte. Other activities included showcasing of SRI during the Farmers' Field Day, a special event of LSU's anniversary celebration, and holding of 19 SRI orientations in response to request of LGUs in Eastern Visayas.

COLLABORATION/ LINKAGES

LSU signed memoranda of agreement (MOA)/cooperation with the following agencies: *Friedrich-Ebert-Stiftung (FES) Philippine Office* – on the conduct of the project “Strengthening the Local Consortium for Out-of-School Youth Empowerment” in the LGUs of Albuera, Baybay, Inopacan, Hindang, Hilongos, Bato, and Matalom, Leyte for the institutionalization of the Non-Formal Education Accreditation and Equivalency (NFE A & E) System in the aforesaid municipalities, designation of an NFE A & E Testing Center in Baybay, Leyte and release of Learning Support Delivery System (LSDS) funds from DepEd to each of the four municipalities; *LGU of Bato, Leyte* – on the

mapping of marine resources and generation of crops suitability maps for selected crops in Bato, Leyte through the LSU Geographic Information System (GIS) Services Unit; *Municipality of Baybay, Leyte* – in the fight against poverty through the establishment of livelihood and income generating projects for increased food production; *Academy for Educational Development (AED)* – to support The Social Acceptability Project - Family Planning’s (TSAP-FP) goal of increasing social acceptance of family planning and becoming a major partner of TSAP-FP advocacy in Eastern Visayas anchored on population, health and the environment (PHE); incorporate family planning in the development communication and extension programs; and mobilize the University’s technical and manpower resources for family planning advocacy.

General Administration

OFFICE OF THE PRESIDENT (OP)

The Office of the President steered the overall programs and utilization of resources of the University System to dish out top-quality services and program outputs.

1. The **Office of the University Secretary (OUS)** facilitated and took minutes of 4 Board of Regents, 9 University Administrative Council and 3 University Academic Council meetings.
2. The **Anti-Sexual Harassment Office (ASHO)** acted upon three sexual harassment complaints by assisting in the preparation of two affidavits and facilitating investigation of one case and submitting the



AACUP 2nd Survey Visit in LSU's Bid for Level III Accreditation. AACUP evaluators poring over LSU records with Dr. Manuel K. Palomar (2nd from right, left photo) and Dr. Dolores L. Alcober (2nd from right, right photo) answering their queries.

Hearing Committee report to the Office of the President for final decision. It produced and distributed copies of a Primer on Sexual Harassment to all satellite campuses and posted the Sexual Harassment posters prepared by DevCom students in strategic locations at the Main campus. The office produced a powerpoint presentation on the LSU IRR of the anti-sexual harassment law and a Briefing Kit for ASHO and for the Hearing Committee members' use. It conducted six orientation seminars to students, faculty and dormitory advisers; preliminary talks with the head of the Guidance Office of the Franciscan College of the Immaculate Conception (FCIC) for possible referral of sexual harassment cases if the victim decides not to avail of LSU's guidance services; and facilitated the notarization of affidavits of one victim and one witness.

3. The **Internal Audit Service Office (IASO)** reviewed and audited individual cards on travel and cash advances kept by the Accounting Office, leave records of personnel to ensure accurate individual leave records, monthly reports of income generating projects (IGP) under special trust fund and revolving fund, contracts of contractual employees, and notice of step increments; witnessed the semi-annual inventory of supplies, breeding animals and other farm products of IGPs as well as the items kept by the Property Office, disposal of one unit each of transmission and engine of DC4 "Mitsubishi" at the Physical Plant Office, dismantling of one unit skid shovel and its disposal to the highest bidder; attended a public bidding for the 1st and 2nd quarter procurement of supplies and construction materials for the Information Technology (IT) building; audited the VEFI Bookstore business transactions from November 1, 1991 to July 31, 2003 and September 23, 2003, as well as the Socio-Cultural Affairs funds for the period 1997-2001, and submitted audit report to the Office of the President and the Fact

Finding Committee; reviewed the entries of supplies and materials kept by the Property Office and reconciled with the Accounting Office's subsidiary ledger; conducted ocular inspection of semi-expendable supplies and materials at DAEAM Workshop; and inspected unserviceable properties at the LSU-Manila Office and LSU-Tolosa Campus.

OFFICE OF THE VICE PRESIDENT FOR ACADEMIC AFFAIRS (OVPA)

The **Office of the Vice President for Academic Affairs (OVPA)** initiated the screening, selection, and granting of the following special awards for graduating students with Latin Honors: *LSU Presidential Awards of Academic Excellence*, *Pres. Gloria Macapagal Arroyo Academic Achievement Award*, *Pres. Gloria Macapagal Arroyo Leadership Award*, *Sen. Pia Cayetano Award of Excellence*, *Congresswoman Carmen L. Cari Academic Excellence Award*, *Congressman Jesus Jurdin M. Romualdo Award of Excellence*, *Gov. Jericho L. Petilla Award for the Most Outstanding Student*, *Breeders Award of Excellence*, *DOST Award of Academic Excellence*, and *Phi Delta Outstanding Undergraduate Thesis Award*. It also formulated/reviewed the following proposed guidelines and submitted them to appropriate bodies for discussion and approval by the Board of Regents: Proposal to Increase the Hourly Rate of Part-Time Instructors, Proposal to Have Fixed Tuition Fee for Weekend Classes and Variable Honorarium Rates for Professors Depending on the Number of Students per Class. Furthermore, it generated quarterly data required by the Financial Management Office (FMO), Office of the President and other offices; and facilitated submission of accomplishment and financial reports in line with LSU's role as the Center of Excellence in Agriculture, Forestry, and Agricultural Engineering to CHED national Office.

1. The **Graduate School** conducted a seminar on self-learning module development for the LSU Open University; implemented the newly approved proposal to have fixed tuition fee for weekend classes and variable honorarium rates for professors depending on the number of students per class; gathered documents for the Level III AACCUP Accreditation of two program clusters, MS/MAGDev (Agriculture) and MS/MAGDev (Education), and submitted the program performance profile for each cluster; and revised, reproduced and bound 102 copies of 16 titles of study guides, of which 48 copies were released.



CDs developed and produced by MMDC.

2. The **Office of Curriculum and Instruction** (OCI) conducted a 1-day orientation and briefing of faculty workload computation and teacher's evaluation; facilitated the change in the conduct of teacher's evaluation starting 1st semester of SY 2005-2006; conducted information drive and LSU entrance scholarship examinations in Regions 6,7,8 and CARAGA regions, prepared the design of hood of graduation gowns by degree programs for UADCO/ UAC and BOR approval; reviewed performance evaluation of all faculty members in the University including satellite campuses; reviewed and recommended for approval matters on staff development, renewal, hiring, change of tenure, leave, and distribution of faculty workload; and supervised 25 departments and 6 colleges in the main campus and satellite campuses; recommended/approved students' request for offering of unscheduled subject, overload, and changing of curriculum; attended to students' requests regarding their INC and lapsed grades; assessed the instructional programs of the five colleges of the main campus following AACCUP guidelines; coordinated the conduct of reviews for board examinations; printed and distributed university brochure to graduating high school students especially in areas where information drive were conducted; exercised general supervision

over course scheduling and enrolment of the Registrar's Office.

- a. The **Multimedia Development Center (MMDC)** facilitated the production of the following instructional materials: Laboratory Manual for Biology 11, Science Unplugged – teaching guide in science reporting in CD, and Water Ways – teaching guide in watershed management in CD; spearheaded the video production of the Making of Miss LSU 2005 and The 2005 *Ugmad* Awardees; extended assistance to development communication students in the production of their developmental dramas and radio documentaries; provided demonstration sessions on the application of the non-linear video editing software to the students of the Department of Development Communication; and provided video documentation services.
3. The **University Student Services Office (USSO)**, formerly OSA, in its renewed commitment to be of better service to the LSU studentry, redefined its vision, mission, goals, and organizational structure and conducted a team building and planning review on December 2005. It facilitated the delivery of financial assistance through scholarships, grants

and ViSCASELF loan, insurance claims of nine students, and sending of student delegates to different leadership training-seminars; coordinated the activities of student organizations; accommodated 1,068 transients in the different dormitories; implemented the project on the Reproductive Health Youth-Based (R-HUB) Center; and conducted seminars on anti-hazing law to fraternity and sorority officers, officers' orientation program, and 3rd university-wide leadership training.

- a. The **Admissions Office** processed the enrollment application and admitted 1,138 college freshmen, 65 transferees and 5 returning students for the 1st Semester of SY 2005-2006 and 26 freshmen, 27 transferees, 46 returning and unclassified students in the 2nd semester; and coordinated the conduct of the LSU entrance scholarship examination in 37 testing centers from September to November with 1,332 examinees.
4. The **University Library** continued implementing the 60-hour-per-week library services for the users to fully maximize the library resources; developed a library webpage which contains information on the library profile, collection, rules and regulations, services and staff; processed and added 2,164 library materials (both print and non-print) to the database, bringing the entries to a total of 14,326 as of December 30, 2005; continued encoding accessions into the "CATALO" database; maintained strong linkages with international and national institutions to sustain their support to the library in the form of book donations, subscription of technical journals, donating back issues of journals, and literature searching services; extended library services and linkages with private and state colleges and universities in Regions 7 and 8, faculty and students of LSU satellite campuses through library research, and faculty and students of nearby municipal high schools in literature search.
5. The **LSU-Alangalang Campus** facilitated the appointment of 2 temporary and 1 permanent (administrative) personnel, contract of 5 part-time instructors, conversion of 9 administrative staff position titles, and promotion of 19 faculty based on NBC 461 (2nd cycle) evaluation. It created two units, the Accreditation Unit and Alumni and Community Relations Unit; repaired roofing and ceiling of four academic buildings and repainted the social hall; participated in the activities initiated by LGU of Alangalang, Leyte like Independence Day and Rizal Day celebrations, *alay lakad* 2005, and town fiesta celebration; and implemented the new faculty performance evaluation in the middle of the year.
6. The **LSU-Isabel Campus** continued to offer quality and relevant instructional programs to meet the needs of the industries and agri-enterprises, government organizations, non-government organizations, and other entities; disseminated its course offerings to the high school graduating students of Isabel, Merida, and other municipalities; made initial preparations for accreditation of College programs; repaired the library, faculty office and Dance Laboratory; rehabilitated the Olericulture building; procured additional computer units, science laboratory apparatuses, books, and multimedia projector; presented the LiFE Program to the *Sangguniang Bayan* of Isabel, Palompon and Merida, Leyte; registered 17 out-of-school youths to take the AEFEP A & E Test; and recruited and registered 50 learners for the LiFE for Youth Project.
7. The **LSU-Tolosa Campus** integrated the PRC-mandated courses into the fisheries curriculum; and started the repair of the Dean's cottage and some buildings, construction of a beach kiosk, painting of the perimeter fence, improvement of the entrance road through the assistance of the provincial government, and construction of a 2-room building donated by the Tacloban Filipino-Chinese Chamber of Commerce, Inc.



Dr. Justiniano L. Seroy during the accreditation seminar at LSU-Villaba campus.

8. The **LSU-Villaba Campus** reviewed and proposed some revisions to the teacher education curricula as mandated by CHED; made its higher education programs accessible to the rural poor through scholarships, student assistantships and affordable school fees; purchased instructional facilities, IT equipment, library facilities, and conducted repair of student classrooms; implemented CSC and DBM joint circular No. 2 s. 2004 on the Non-Monetary Remuneration for Overtime Services Rendered; facilitated the provision of insurance benefits to its students; and established/strengthened linkages with the following agencies: LGU of Villaba, Leyte – for the development and construction of the LSU-Villaba Scenery Park; 19th Infantry Battalion, 8th Infantry Division of the Philippine Army – information drive regarding insurgency problem; DepEd – identification of cooperating schools for its student-teachers, Provincial Health Unit thru the Villaba Community Hospital – medical examination of students; DTI – assessment of the mango project; DPWH 3rd LED – site evaluation of infrastructure; and 3rd Congressional District Office, DILG and Velocity Cable Corp. – scholarships and grants.

OFFICE OF THE VICE PRESIDENT FOR DEVELOPMENT AND EXTERNAL AFFAIRS (OVPDEA)

The **Office of the Vice President for Development and External Affairs (OVPDEA)** is a newly created office fashioned to the needs of the LSU System. It started its operation on September 1, 2005 with responsibility for a number of non-academic functions that relate to the development and enhancement of the University's support base, including government relations, university alumni and development activities. The VPDEA is tasked to provide leadership and direction in accordance with the University's strategic plan especially with the incorporation of the four satellite campuses into the system. The following offices are directly under the supervision of the VPDEA: LSU-Manila Office, University Review Center, Volunteer Program Office, Evaluation and Development Office, Development and Planning Office, Information Office, Management Information System, Alumni and Community Relations Office, and Radio Station DYAC.

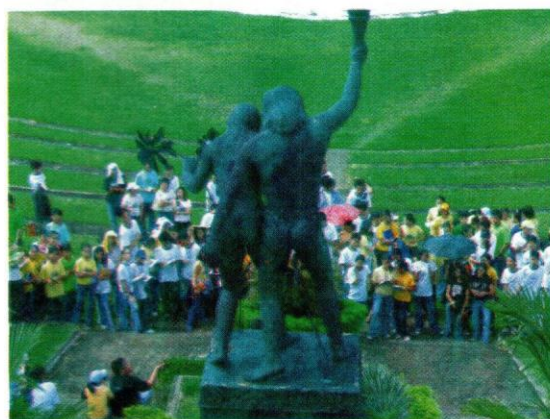
1. The **LSU Manila Office (LSU-MO)**, as the University's liaison office, assisted LSU staff in processing and documentation of travel papers with the Department of Foreign Affairs and different embassies including flight reservation and ticketing for their travel abroad, and in processing of scholarships and participation in trainings/seminars/workshops; represented the University President in meetings and conferences; facilitated the signing of Memorandum of Agreement (MOA) for the purchase of computers and makapuno by CHED and the release of payment; facilitated the request of the Procurement Office in the canvassing and procurement

of computer parts and services as well as the registration of the university vehicle; received and delivered 167 parcels from LSU in Baybay, Leyte to the different agencies/offices in Manila and suburban cities and municipalities, received and delivered 309 letters/faxes and parcels from the post office and government agencies and sent them to addressees in LSU, Baybay, Leyte; displayed LSU materials like the organizational chart and LSU information in tarpaulin for reference of staff and visitors.

2. The **University Review Center (URC)** organized a pool of reviewers in different disciplines to conduct review classes for prospective examinees in licensure examinations for agriculturists, foresters, teachers and veterinarians; produced and distributed brochures on the review offerings to various schools; conducted evaluation on the performance of reviewers and reviewees; published, aired through LSU Radio DYAC, posted at strategic areas in and outside LSU campuses, and posted in the LSU website announcement of reviews and schedules of examination; acquired 13 pieces of LET review materials from the National Bookstore; and generated a gross income of P853,500.00 from its services.
3. The **Evaluation and Development Office (EDO)** assisted the Deans of Agriculture and Graduate School in the preparation of documents for Level III Accreditation of the Undergraduate and Master's degree programs in Agriculture and Education clusters; conducted seminar on accreditation in the four LSU satellite campuses; facilitated the preparation of the BS Ag Chemistry, BS Ag Engineering, BS Statistics, BS Forestry, BS Food Technology, and Doctor of Veterinary Medicine programs for Level II re-accreditation; and facilitated the evaluation of the MS/MAgDev programs in Agriculture, MS/MAgDev programs in Education, BS Agriculture, Bachelor of

Elementary Education, and Bachelor of Secondary Education degree programs for Level III accreditation by AACUP.

4. The **Office for Auxiliary Services (OAS)** and **Income Generating Project Office (IGPO)** monitored the LSU Main Campus income generating projects consisting of seven (7) projects under the Revolving Fund (RF) and 31 under the Non-Revolving Fund. It recorded a total income of P12,856,567.33 during the year, which included P10,211,762.25 from the 6 RF projects and P2,644,805.08 from the 31 non-RF projects, posting a 15.41% increase from the CY 2004 income (Table 9).
5. The **Alumni and Community Relations Office (ACRO)** facilitated the holding of five seminars with two LSU alumni from Europe and their spouses as resource speakers who shared their expertise in the field of molecular medicine, soil geochemistry and forest nutrition; assisted the LSU Alumni Association, Inc. (LSUAAI) in gathering the biggest number of alumni to visit the university and attend the Alumni Night during which more than P100,000.00 was raised for the Alumni Scholarship Fund; solicited donation for the construction of concrete benches for the Nature Park from Dr. Fe Bron, Ms. Candelaria Wijewikrema and Ms. Ma. Andone Ternura; and formed three alumni



LSU visitors given a briefing in front of the Search for Truth statue to commence their tour of the campus.

Table 9. Income of projects monitored by the IGP Office (2004-2005).

PROJECTS		2004*	2005*
A.1	RF-IGP		
	Pavilion	4,318,955.76	4,860,098.24
	Hostel	1,423,629.70	2,103,927.81
	Printing Press	486,831.21	446,451.04
	Coconut & Others	1,925,087.37	2,069,356.70
	Rice	114,375.00	356,634.02
	Fuel Station	-	375,294.44
SUB-TOTAL		P 8,268,879.04	P 10,211,762.25
A.2	Non-RF IGP		
	LSU Market	418,126.95	394,294.00
	Manila Lodging	156,020.00	178,770.00
	Ornamentals	133,583.10	159,075.00
	Cebu Lodging	109,675.00	150,000.00
	Bindery	119,116.00	112,902.21
	Infirmery	189,779.48	111,576.50
	Rootcrops	271,818.50	412,204.32
	Convention Center	158,649.00	123,523.00
	DASS (Soil Lab.)	96,162.35	97,716.81
	Beef /Carabeef	194,017.50	18,000.00
	Horti Nursery	49,979.00	40,790.00
	Recreation Center	40,873.00	44,750.89
	Corn Seeds	17,000.00	66,329.00
	Library Fines	36,570.00	27,997.00
	Goat/Sheep	20,500.00	24,945.00
	Locally Grown Production	52,679.00	28,794.13
	Makapuno	198,471.90	Merged to Coconut & Others
	SDMU	71,135.00	145,799.20
	PPO Shops	20,886.30	55,271.00
	Xerox/Handbooks	14,670.00	9,533.00
	Coconut Food	14,532.00	Merged to Coconut & Others
	FARMI Demo Farm	20,624.18	5,341.50
	High School Fines	7,121.00	9,238.00
	Coco Techno Training	6,214.50	37,688.00
	Coco Intercrops	5,575.00	Merged to Coconut & Others
	PUV Fees	124,450.00	12,950.00
	Sustained Yield	4,725.00	1,150.00
	Layer	14,866.00	4,993.20
	Duck/Poultry	1,000.00	2,900.00
	Feedmill	37,950.02	365,815.32
	Garden Memoir	-	2,458.00
SUB-TOTAL		P 2,606,769.78	P 2,644,805.08
GRAND TOTAL		P 10,875,648.82	P 12,856,567.33

* Cash sales only

chapters in Mindanao. It coordinated the tours of 1,559 campus visitors; arranged for the special publication of the 81st LSU Anniversary in the EV Mail, a regional newspaper in Eastern Visayas; tapped the assistance of LSU alumni communicators from the different departments of LSU in documenting alumni activities and achievements which were published in the Alumni Notes; published two issues (300 copies per issue) of the Alumni Notes with financial support from the LSUAAI; conducted training needs assessment of the neighboring barangays of LSU (Guadalupe, Pangasugan, Patag, Gabas, and Marcos); submitted to the LSUAAI for funding three training proposals on candle making, flower arrangement, and entrepreneurial skills training as countdown activities prior to the General Alumni Homecoming during the LSU Anniversary Celebration, assisted the Information Office in holding the Training for LSU Pool of Tour Guides, and provided assistance to alumni seeking help on some official transactions with the university or with the alumni association.

6. The **Information Office (IO)** adopted reforms and changes consistent with its redefined role as part of the newly constituted OVPDEA under the new LSU organizational structure. It provided a smooth transition for the relegation of its function as the Visitor's Bureau of the University to the Alumni and Community Relations Office (ACRO) by establishing and training an LSU pool of tour guides that will assist ACRO in tour guiding campus visitors, of which 34 students, faculty and staff volunteered as members of the pool; proposed for the charging of campus tour fees to LSU visitors; realigned staff functions to give greater emphasis on institutional image-building of LSU and promoting its services and achievements as a premiere agricultural university of the Visayas; instituted a mechanism to strengthen the involvement and cooperation of the satellite campuses to make the *LSU Obelisk*, the University's weekly publication, truly reflective of the development of the whole University

system; produced and distributed the weekly issues of the *LSU Obelisk*; sent press releases to external publications; coordinated visit requests and tour guiding visitors prior to the reassignment of these functions to ACRO; teamed up with the alumni association officers and ACRO for the successful holding of the LSU alumni homecoming which drew active participation of an unprecedented number of alumni; edited the University's annual report and development plan; and promptly responded and carried out official requests of the Office of the University President for making write-ups and other tasks.

7. The **Development Planning Office (DPO)** consolidated and published, in coordination with other offices, the 2004 Annual Report of the University; consolidated and printed the 5-Year Development Plan of the University; transcribed and printed outputs of the 4th Strategic Planning Workshop of LSU; and consolidated and printed the LSU Annual Development Plan.
8. The **LSU Radio DYAC** installed its newly acquired transmitter donated by the Deutsche Welle Akademie, Germany with the help of a team of technical experts from *Radyo ng Bayan* of Butuan; revitalized its programs to meet the listeners' information needs and extended the broadcast time from 4:00 AM to 6:00PM Monday-Friday; in cooperation with the Visayas Consortium for Agriculture and Resources Program (VICARP), initiated the training on Educational Radio Program Production which was facilitated by the Deutsche Welle Akademie experts – Dr. Waltraud Achten and Engr. Dieter Beheng; served as a laboratory facility for radio broadcasting courses offered by the Department of Development Communication particularly DC 141 (Writing and Program Planning for Community Radio), DC 145 (Educational Broadcasts), and DC 136 (Radio Drama and Documentary); trained 10 students who had their internship at the station; and facilitated the recording needs of students (elementary, high school and college) in their production as requirements of their subjects.

OFFICE OF THE VICE PRESIDENT FOR ADMINISTRATION & FINANCE

The **Office of the Vice President for Administration and Finance (OVPAF)** supervised and coordinated activities and programs relative to the management, maintenance, development and utilization of the human, physical and financial resources of the University both in the main and satellite campuses.

In 2005, the office accomplished the following: facilitated the approval of the third revision of the University staff housing guidelines (BOR Resolution No. 25, s. 2005) and its implementation, repair of housing units following the approved guidelines in the repair and maintenance of University staff housing units, construction of the Information Technology building, repair of University building structures and other facilities, conversion of the university beach area into a resort as possible source of income and approval of the proposed guidelines, rental rates and other charges for the use of the resort (BOR Resolution No. 75, s. 2005); coordinated with the Municipality Treasurer's Office the issuance of 2005 Community Tax Certificate for the University employees; spearheaded the conduct of information updates on retirement benefits, insurance and housing loan programs by the Government Service Insurance System (GSIS) for the faculty and staff of the University; reviewed and straightened out records of bills of housing occupants and adopted scheme to hasten collection of payments; reviewed and monitored income generating projects of the University; continued monitoring/evaluating administrative personnel performance and adopted measures to minimize tardiness among employees; disseminated management, administrative and financial-related information from the Civil Service Commission and Department of Budget and Management; facilitated sending administrative staff to relevant seminar-workshops; and enforced energy conservation policies such as the



The ongoing construction of the Information Technology (IT) Building.

motorless/carless day inside the campus and centralization of travels among staff using university vehicles.

1. The **Health Services Office (HSO)**, formerly named as the Infirmary, served the LSU constituents and neighboring barangays through health care services such as application of preventive and therapeutic medicine; and served the following number of students, faculty/staff and their dependents, as well as outsiders through consultation – 2,156; in-patient services – 15; physical examination – 4,772; immunization – 112; dental services – 2,241; ambulance services – 76; and other services – 1,357.
2. The **Office of the Director for Finance (ODF)**, composed of the Accounting Office, Budget Office, and Cash Office, provided support services to all operating units of the University in relation to the management of financial resources of the University and installation of finance-related information systems; coordinated the entire budget process in accordance with the policy guidelines of the government and of the university; submitted comprehensive, reliable and timely financial data and reports; and exercised control over disbursements and effective and efficient cash management system of the university. In spite of its tight financial condition, the University still consistently performed

satisfactory financial operations. In 2005, it had a zero percent notice of disallowance and except for one satellite campus, all audit observations and recommendations had been complied with.

3. **The Office of the Director for Administration (ODA) and Legal Office (LO)** completed the personnel audit of the following offices/centers: Records Office, Office of the Vice President for Research and Extension (OVPRE), National Abaca Research Center (NARC), and National Coconut Research Center-Visayas (NCRC-V); facilitated the preparation and signing of an Agreement between LSU and 25 squatters in the Forest Reservation Area affected by the construction of NPC power lines, and 10 squatters in the goat area; provided the National Power Corporation (NPC) with the documents and proof of ownership of LSU lands affected by the installation of power lines by TRANSCO paving the way to LSU's receipt of disturbance compensation from NPC; facilitated the re-acquisition of ownership of the land originally claimed by heirs of a private individual with the signing of Memorandum of Agreement between LSU and the heirs of the said claimant to get compensations only for the land improvements; convinced a tenant to relinquish his tenancy claim and be hired as cultivator of NCRC-V with 50% share from copra sales; prepared a draft of the MOA between Land Bank of the Philippines and LSU for the former to provide ATM payroll system to LSU; represented LSU in settling the controversy with Baybay Water District in its claim of around 200 hectares of the land owned by the University through PD 64 as well as in civil cases filed by complainants against LSU and vice versa; facilitated the preliminary investigation of administrative cases against LSU employees and the complaint against a student; prepared a draft/final resolution on the sexual harassment case filed by a student and an administrative case filed by a staff of an LSU satellite campus.

- a. **The Supply and Property Management Office (SPMO)** obtained approval from COA Regional Office to dispose of semi-expendable equipment acquired in 1990 and earlier and with value of less than P1,500.00 from the Annual Inventory Book of Equipment and cancelled employees' accountability of such equipment from their individual Memorandum Receipt (MR); verified the records of partial lots acquired by LSU from the Registry of Deeds, Palo, Leyte needing reconstitution from the Regional Court; and realignment of the operation of the LSU Fuel Station under Income Generating Projects (IGP).
- b. **The Office of Security Services (OSS)** retrieved the following items: iron bars stolen from NARC and facilitated the filing of a criminal case against the thief, mango fruits stolen from the Pomology Area, and 2 pieces manhole cover sold by the thief to a junk store. It conducted investigation on a reported loss of a cellphone, suspected drug user, and violation of a Hostel personnel; conducted mediation conference on a reported public disturbance, alleged unbecoming attitude of one security guard towards a driver, and between one family and a security guard; and assisted LSU-Tolosa Campus on the security problems of their campus.
- c. **The Records Office (RO)** conducted inventory of records to determine their retention period based on DECS Department Order 13-A; successfully sought approval to dispose records from the Records Management and Archives Office (RMAO); re-established computer files of 281 memoranda of agreement (MOA), memo circulars, memoranda, and administrative orders; displayed additional oil paintings of LSU key officials and framed photographs for the archives; delivered memoranda, mails, minutes of

meetings, and communications; mailed official communications to addressees; rendered efficient reference services to staff and students.

d. The **Human Resource Management and Development Office (HRMDO)**

facilitated the renewal of appointments of the following employees: 38 temporary, 46 contractual faculty, 46 contractual research staff, 146 casual staff in the Main Campus, and 5 casual employees at the satellite campuses; facilitated the change of status - from temporary to permanent of 2 employees and 2 lump sum to plantilla item; facilitated the promotion of 8 administrative employees and change of position title of one employee; facilitated the recruitment of the following employees: 6 permanent, 2 substitute, 34-part-time faculty, 13 casual, and 11 contractual; and coordinated with the University Student Services Office (formerly OSA) in the conduct of pre-employment examination for security guards and clerk.

e. The **LSU-Isabel Campus** monitored various IGP's of the college; leased the school piggery to a private concessionaire; prepared the 2005 budget; and linked and coordinated with the local communities on socio-cultural affairs affecting the college. The different administrative offices of the college had the following accomplishments: *Administration and Finance Office* – coordinated the utilization of financial/human and physical resources of the college as well as maintained functional linkages with fund sources; *Administrative Office/Human Resource and Development Office* – ensured the efficient and effective compliance of administrative procedures for government agencies and facilitated the upgrading, reclassification and recruitment of personnel; Registrar's Office - computerized the registration

of students as well as student records; *Supply Property Management Office* – institutionalized an inventory system for properties acquired, maintained, rehabilitated or repaired; *Physical Plant Office* – rehabilitated/repared the Agronomy Building, constructed a stairway to the Admin building, rerouted drainage canal to improve drainage in the eastside canal of the National Highway, rerouted major electrical lines and changed posts with GI pipes and cement footing in the upper and lower campus; *Accounting Office* – kept records, controlled allotments and expenditures, billed creditors and gave advice to personnel on office financial matters; *Medical Office* – provided primary medical and dental health care to students; *Security Office* – exerted efforts for effective and efficient safeguarding of the college properties, personnel and students.

4. The **General Services Office (GSO)**, formerly PPO, renovated the ground of the main entrance at Guard Post No. 1 and constructed steel gates; constructed phase 1 of the Seaside Park, fence along the dump site perimeter, and Phase I of IT Building; performed engine overhauling and repair of Isuzu School Bus, Hi-Ace Van, and Toyota Hi-ace MB-33; attended to body repair of CJ7, under chasses welding of J-34, chasses welding of garbage truck, repair of lawn mower's body, conversion of payloador rim, 53 motor vehicle welding works; attended to 66 machining works that include drilling, cutting, boring, keyway fabrication and reproduction of parts; maintained the cleanliness and beautification of campus grounds; maintained the provision of water and electric power supply inside the campus; demolished the dilapidated Yakal cottage and improved its grounds; relocated the Lauan dormitory; improved the LSU Amphitheater stage; repaired the President's cottage, Security Office, Agricultural Development Education Building including the office doors and partitions of Ag. Economics, roof and ceiling of Bakery,



The steel gate at the main entrance/exit at Guard Post No. 1 (left photo); and the renovated ground of the main entrance (right photo).

doors and ceiling of High School comfort rooms, ceiling frames and board and roof framing of High School Science Building; repainted the Food Science and Technology Building; converted the waste disposal area from open to controlled dump site; segregated the recyclable waste at the designated Materials Recovery Facility as well as the biodegradable and non-biodegradable wastes at the dump site; fabricated and repaired furniture; repaired and maintained the overhead primary and secondary lines of the upper and lower campus, the pad-mounted distribution transformers at the upper campus and pole-mounted transformers at the lower campus, lighting fixtures and outlets of the university buildings, street lights and security lights, electrical and laboratory electronic equipment, electrical wirings system; cleaned intake box at Magdagook and Mefe area and the reservoirs at coconut drier and forestry areas; de-clogged septic tanks and dredged the drainage canals of four apartment units; attended to 110 plumbing job requests; repair of water and sewer lines of all buildings; and served 1,616 official trips.

MANPOWER RESOURCES

The LSU System had a total of 360 administrative personnel as of December 31, 2005, consisting of 293 personnel in the LSU Main, 15 in LSU-

Alangalang, 16 in LSU-Isabel, 17 in LSU-Tolosa, and 19 in LSU-Villaba Campus.

TRAININGS

A total of 117 administrative staff attended 95 trainings (6 international, 17 national, 38 regional, and 34 local) on different areas of concern: pension of the 1987 constitution, legal practitioner's orientation course, BIR symposium, capability building for human resource management practitioners, Philippine bidding documents, empowerment program for grievance committee and personnel selection board members, personnel actions and leave, dynamics for successful human resource management, ethics and accountability, revised policies on personnel inspection and audit and CSC agency accreditation program, practitioner's orientation course, food security and poverty alleviation, AACCUP new survey instrument and rating system and procedures, workforce engagement, preparation of thesis dissertation outline and manuscript, Philippine E-Lib content builders and administrators' training, center for human research and development, frontline services management, orientation on the revised-CHED data element manual and unified data gathering, training for the pool of LSU tour guides, self-learning module development, trafficking of children and women in commercial sexual exploitation;

gender, sexuality and reproductive health; educational radio program production, rural women issues, family planning orientation for Samar-Leyte media, local private media and farmcasters on bird flu virus, news writing for fisherfolks, basic integrated theater arts, responsible teenage sexuality, and gender responsive and results oriented planning and budgeting (Table 10).

ACQUISITIONS

The different administrative offices acquired the following equipment/facilities during the year through purchase or donation:

Internal Audit Service Office – 1 unit each of pencil sharpener and calculator and 2 units executive chair

Anti-Sexual Harassment Office – 1 unit each of conference table and junior executive chair with gas lift and 10 units ordinary chairs with arms

Office of the Curriculum and Instruction – 1 unit each of computer and printer

Multi-Media Development Center – 1 unit each of memory 1GB and UPS; 2 units each of DVD writer and computer chair

University Student Services Office – 1 set each of portable overhead projector, television, DVD

player, computer, printer 1 unit each of electric fan, magazine rack, wall clock; 2 units each of plastic table, wall mirrors, and beach umbrella; 50 pcs monoblock chairs

Library – 1 set computer complete with CD-ROM/DVD; 1 unit each of printer, server, external hard drive LAN TEEAL, and hard disk; 3 sets computer; 5 pcs wooden bookshelves; 50 pcs wrought iron bookshelves.

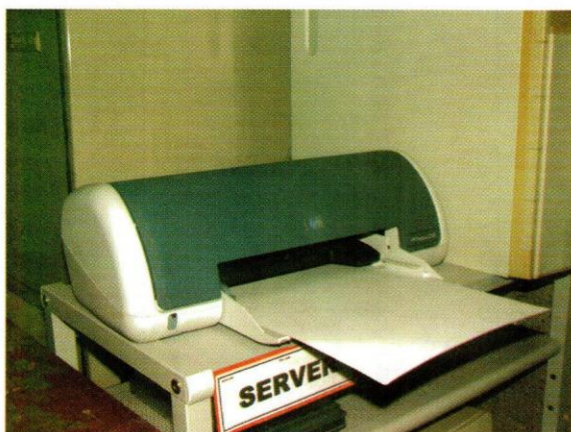
Vice President for Development and External Affairs – 1 unit each of computer, scanner, dot matrix printer, UPS, computer table, wall clock, pigeonhole cabinet, side board, and AVR; 1 set executive table and chair; 3 sets junior executive table and chair; 2 units each of 2-drawer steel cabinet and visitor chair; 3 units each of stand fan and USB Flash Drive 256

Planning Office – heavy duty stapler

University Review Center – 1 unit each of digital camera and voice amplifier

General Services Office – 1 unit each of 1-bagger concrete mixer and concrete vibrator

Cash Division – 1 unit each of colored printer, executive table and desk fan; 2 unit each of computer and computer table



The newly acquired printer (left photo) and a set of computer of the University Library (right photo).

Table 10. Trainings, seminars, workshops, conventions attended by administrative staff in 2005

Dept/College/Center	International		National		Regional		Local	
	No. of Training	Participants	No. of Training	Participants	No. of Training	Participants	No. of Training	Participants
Office of the President								
Anti-Sexual Harassment Office	-	-	-	-	1	1	-	-
Internal Audit Service Office	-	-	-	-	-	-	2	3
SUB-TOTAL	-	-	-	-	1	1	2	3
Office of the Vice President for Academic Affairs								
Graduate School	-	-	-	-	-	-	1	6
Office of the Curric.& Instruction	4	4	4	4	3	3	4	4
Registrar	-	-	1	1	3	8	1	1
University Student Services Office	1	1	2	2	5	8	3	4
Library	1	1	4	4	-	-	1	1
SUB-TOTAL	6	6	11	11	11	19	10	16
Office of the Vice President for External & Development Affairs								
Alumni & Comm. Relations Office	-	-	-	-	-	-	1	2
LSU Radio Station DYAC	-	-	2	2	8	12	14	14
Manila Office	-	-	1	1	-	-	-	-
University Review Center	-	-	-	-	2	2	5	5
University Accreditation Center	-	-	2	2	-	-	-	-
SUB-TOTAL	-	-	5	5	10	14	20	21
Office of the Vice President for Administration and Finance								
Office of the Director of Admin.	-	-	1	1	7	7	1	1
Human Res. Mgt. & Devt. Office	-	-	-	-	9	9	-	-
Cash Division	-	-	-	-	-	-	1	3
SUB-TOTAL	-	-	1	1	16	16	2	4
TOTAL	6	6	17	17	38	50	34	44

Financial Report of Operations - Consolidated

As of December 31, 2005

Particulars	Authorized Appropriations	Negative SARO (1) Reserve (2) Unprogrammed	Allotments Released	Realignment	Adjusted Allotment	Obligations Incurred
SUMMARY						
A. PROGRAM						
I. General Administration and Support Services						
Personal Services	29,543,000.00		29,543,000.00		29,543,000.00	30,191,224.85
MOOE	5,072,000.00		5,072,000.00	2,000,000.00	7,072,000.00	5,186,448.10
CO - Equipment Outlay	286,000.00		286,000.00		286,000.00	
SUB-TOTAL	34,901,000.00	0.00	34,901,000.00	2,000,000.00	36,901,000.00	35,377,672.95
II. Support to Operations						
Personal Services	8,642,000.00 *	(58,800.00)	8,583,200.00		8,583,200.00	8,220,206.92
MOOE	968,000.00		968,000.00		968,000.00	895,045.73
CO - Equipment Outlay	0.00		0.00		0.00	
SUB-TOTAL	9,610,000.00	(58,800.00)	9,551,200.00	0.00	9,551,200.00	9,115,252.65
III. Operations						
Personal Services	135,265,000.00		135,265,000.00	(6,763,800.00)	128,501,200.00	127,971,283.93
MOOE	20,404,000.00		20,404,000.00	2,653,800.00	23,057,800.00	20,745,336.74
CO - Equipment Outlay	200,000.00		200,000.00	440,000.00	640,000.00	640,000.00
SUB-TOTAL	155,869,000.00	0.00	155,869,000.00	(3,670,000.00)	152,199,000.00	149,356,620.67
TOTAL PROGRAMS/ACTIVITIES	200,380,000.00	(58,800.00)	200,321,200.00	(1,670,000.00)	198,651,200.00	193,849,546.27
B. PROJECTS						
CO - Buildings & Structures Outlay				1,670,000.00	1,670,000.00	670,000.00
TOTAL PROGRAMS/PROJECTS/ACTIVITIES	200,380,000.00	(58,800.00)	200,321,200.00	0.00	200,321,200.00	194,519,546.27

(Continuation)

Particulars	Authorized Appropriations	Negative SARO (1) Reserve (2) Unprogrammed	Allotments Released	Realignment	Adjusted Allotment	Obligations Incurred
LUMP-SUM RELEASES:						
Miscellaneous Personnel Benefits Fund (MPBF)						
PS	8,229,000.00 *	(146,100.00)	8,082,900.00		8,082,900.00	7,917,900.00
Pension Gratuity Fund (PGF)						
PS	2,719,306.00		2,719,306.00		2,719,306.00	2,960,335.00
Priority Development Assistance Fund						
MOOE	78,000.00		78,000.00		78,000.00	78,000.00
TOTAL LUMP-SUM RELEASES	11,026,306.00	(146,100.00)	10,880,206.00	0.00	10,880,206.00	10,956,235.00
AUTOMATIC APPROPRIATIONS						
PS - RLIP	13,884,000.00		13,884,000.00		13,884,000.00	13,844,000.00
TOTAL CURRENT APPROPRIATIONS	225,290,306.00	204,900.00)	225,085,406.00	0.00	225,085,406.00	
PS						
MOOE						
CO						
FE - RLIP						
CONTINUING APPROPRIATION						
A. PROGRAM						
I. General Administration and Support Services						
MOOE						
II. Support to Operations	75,954.42		75,954.42		75,954.42	44,306.00
MOOE						
II. Operations	2,202,042.98		2,202,042.98		2,202,042.98	2,232,279.19
MOOE						
TOTAL PROGRAMS/ACTIVITIES	2,277,997.40	0.00	2,277,997.40	0.00	2,277,997.40	2,276,585.19
LUMP-SUM RELEASES:						
Priority Development Assistance Fund						
MOOE	39,000.00		39,000.00		39,000.00	39,000.00
TOTAL CONTINUING APPROPRIATION	2,316,997.40	0.00	2,316,997.40	0.00	2,316,997.40	2,315,585.19
GRAND TOTAL	227,607,303.40	(204,900.00)	227,402,403.40	0.00	227,402,403.40	221,635,366.46

Significant Events

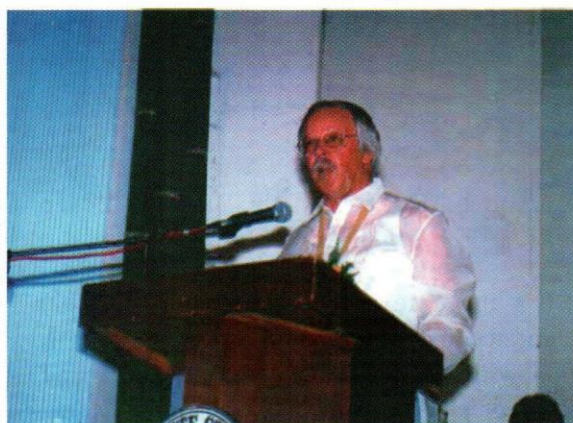
LSU MAIN CAMPUS

Dr. Fe Abogadie-Bron, a 1983 BS Agriculture (Agricultural Chemistry) magna cum laude graduate of ViSCA (now LSU) who is currently connected with the Wellcome Laboratory for Molecular Pharmacology at the University College, London; and her husband, Dr. Romke Bron, of the MRC Center for Developmental Neurobiology at King's College, London, shared their expertise through lectures on their respective research on January 21, 2005 at the FARM Training Hall.

LSU President, **Dr. Paciencia P. Milan**, was unanimously voted as President of the Environmental Education Network of the Philippines (EENP) by the EENP Board during its January 2005 meeting at the Miriam College in Manila. Dr. Milan was also elected President of the Philippine Association of State Universities and Colleges (PASUC) Lady Presidents' Club during its meeting at the Palawan State University (PSU), Puerto Princesa City, Palawan on May 26, 2005.

Leyte State University (LSU)

Annual Report 2005



Mr. Nicolas Baclea-on of Mayorga, Leyte (middle, left photo) receiving a symbolic check of his prize from Leyte Governor Petilla as the 2005 Outstanding Farmer-Entrepreneur of Region 8; Prof. Dr.-Ing. Dr. h.c. Werner Muehlbauer giving his remarks during the LSU Anniversary Convocation after receiving the Sandigan Award being of the University's staunch program supporters (right photo).



(Left photo) Dr. Perry Ong, Associate Professor of the Wildlife Biology of the Institute of Biology, UP Diliman Quezon City, keynote speaker during the Seminar on Management of Plant Genetic Resources in the 21st Century; (right photo, r-l) Mr. Dirk Hoffman, Vice President for Marketing and Operations of BSH; LSU President Paciencia P. Milan; Congresswoman Carmen L. Cari of the 5th District of Leyte; and Baybay Mayor Jose Carlos L. Cari during the inauguration of the Plant Oil Processing Center.

Dr. Perry Ong, Associate Professor in Wildlife Biology of the Institute of Biology, University of the Philippines in Diliman, Quezon City and convenor of the UP Biodiversity Conservation Program, served as the keynote speaker during the Seminar on Management of Plant Genetic Resources in the 21st Century – Integration of Conservation and Utilization and the AUNP Project Mid-Term Evaluation and Review on February 7-11, 2005 at LSU.

Atty. Renato B. Padayao, 1981 BS Agricultural Engineering graduate of ViSCA and District Public Attorney of Catbalogan City, Samar inspired LSU's student honorees as the invited speaker during the 26th Honors Convocation of LSU on February 24, 2005.

EURONATURE and LSU gave awards for environmental excellence to the following farmers on March 4, 2005: Manuel B. Posas of Brgy. Marcos, Baybay, Leyte – *Ecofarmer Award*; Crispin Tunday of Brgy. Tam-is, Maasin, Southern Leyte, Teodoro Riel of Brgy. Pagsulhugon, Babatngon, Leyte, and Macario Romano of Brgy. Mailhi, Baybay, Leyte – *Special Ecofarmer Awards*.

LSU's Institute of Human Kinetics (IHK) celebrated its 3rd anniversary on March 1-4, 2005 with the theme "Sports for Peace and Development." The activities included Filipino games (*Laro ng Lahi*), "*Mugna sa PEHM*" (a dance-musical variety show featuring the

evolution of dances and songs), free blood sugar and cholesterol testing, *Lakad Pinoy para sa pusong Pinoy*, *paugnat sa kusog* with free use of conditioning apparatus, badminton and table tennis games, camping of the IHK family at the Molave Hill, and annual athletic awarding.

The newly established Plant Oil Processing Center based at the Department of Agricultural Engineering of LSU, a joint project of the Bosch and Siemens Hausgerate (BSH), University of Hohenheim in Germany, and LSU, was inaugurated on March 12, 2005. The center showcases the village-level plant oil processing technology in support of the promotion of the plant oil stove in the Philippines.

LSU's Culture and the Arts Center (CAC) gave tribute to its student performers during its 2nd CAC Recognition Night on March 9, 2005 at the Center for Continuing Education in recognition of their whole-hearted support to the socio-cultural activities of the University despite their busy academic schedules.

Dr. Isabel P. Bertulfo, chairperson of the Socio-Cultural Affairs Committee (SCAC) and one of the pioneers/prime movers of CAC, was given a plaque of recognition on March 9, 2005 "in grateful recognition of her zeal, immeasurable time, and countless efforts extended as chairperson of the LSU Socio-Cultural Affairs Committee from 1995 to the present under the auspices of the Culture and the Arts Center that ensured the

resounding success of the various socio-cultural activities such as the annual search for Miss ViSCA/LSU, variety shows for the annual fiesta celebration of Baybay, etc.”

The LSU-based Philippine Root Crop Research and Training Center (PhilRootcrops) celebrated on March 21, 2005 its 28th year as a national research center tasked to develop the root crop industry in the country with the theme “*Halamang Ugat: Kabalikatang Tungo sa Kaunlaran*” (Root Crops: Partner For Progress).

Atty. Ernesto L. Pineda, Department of Justice Undersecretary, represented Justice Secretary Raul M. Gonzales as commencement speaker during LSU’s 52nd Commencement Exercises on April 5, 2005 at the LSU Hilltop Amphitheater. He advised the graduates to give their best in the service of the country and link arms to achieve the country’s aspirations.

The Office of Student Affairs and the local government unit (LGU) of Baybay, Leyte sponsored the 2nd Annual Jobs Fair (for local and overseas placements) on April 14, 2005, which was participated in by 516 job seekers.

The Manila-based Philippine Educational Theater Association (PETA) conducted the “Basic Integrated Theater Arts Workshop (BITAW)” on April 28-30, 2005 at the Institute of Human Kinetics.



Mrs. Alicia Borneo-Everhart (2nd from right), former head of the ViSCA Personnel Office, pose with LSU’s key officials (LSU President, Dr. Paciencia P. Milan - rightmost; Dr. Jose M. Alkuino, Jr., VP for Administration & Finance - 3rd from right; Dr. Manuel K. Palomar, VP for Dev’t. & External Affairs; and Dr. Jose L. Bacusmo, VP for Academic Affairs).

Mrs. Alicia Borneo-Everhart, former head of the Personnel Office of the then ViSCA (now LSU) and currently human resource consultant in Human Resources Administration of Indiana University Purdue University Indianapolis (IUPUI), gave a lecture on “Workforce Engagement” for the top executives, deans, and heads of different offices and colleges of LSU on April 22, 2005 at FARMi Audio-Visual Room.

Dr. Fernando A. Bernardo, former ViSCA President, gave a lecture on “Food Security and Poverty Alleviation” on May 19, 2005. He urged LSU to strengthen further its role “as facilitator and catalyst of agro-industrial development and as a dynamic source of technology.”

Dr. Reiner Finkeldey, Director of the Institute of Forest Genetics and Forest Tree Breeding of Georg-August University in Göttingen, Germany, served as affiliate professor of the



Dr. Fernando A. Bernardo, former ViSCA President (top), gives a lecture on Food Security & Poverty Alleviation to LSU faculty & staff. LSU Pres. Dr. Paciencia P. Milan, awards a Certificate of Appreciation to Dr. Bernardo, as Dr. Jose L. Bacusmo, Dr. Jose M. Alkuino, and Dr. Manuel K. Palomar look on (bottom).

Department of Forest and Wildlife Management and Conservation of LSU's College of Forestry effective June 2005-May 2006.

Dr. Alfred R. Conklin, Jr., a Fulbright Exchange Professor from Wilmington College, Ohio, U.S.A., shared his expertise in instruction and extension to the Department of Pure and Applied Chemistry (DoPAC). Through his initiative, teleconferencing with the staff of the department and Wilmington College was realized. He also demonstrated the basic operations of instruments like infrared spectrometer, mass spectrometer, and high performance liquid chromatograph to the faculty and staff of DoPAC as well as to the junior and senior BSChem and BSAC students.

Justice Rodolfo G. Palattao, retired Sandigan Bayan Justice, represented Senator Alfredo S. Lim as keynote speaker during the 81st LSU Anniversary Convocation on August 11, 2005. He emphasized the creed that he and Senator Lim have been advocating, which is morality and integrity in public service, and urged the community to join him in his crusade against dishonesty, corruption, injustice, and criminality.

Mr. Nicolas V. Baclea-an, a farmer from Barangay Union, Mayorga, Leyte, was accorded LSU's Ugmad Award as the **2005 Outstanding Farmer-Entrepreneur** of Region 8. He was given a plaque and a cash prize of P10,000 from Leyte Governor Jericho L. Petilla during the Farmers and Fisherfolks' Day on August 10, 2005.

Agriculture Secretary Domingo F. Panganiban and **Governor Jericho L. Petilla** served as guest speaker and honored guest, respectively, during the Farmers and Fisherfolks' Day (FFD) on August 10, 2005. Sec. Panganiban lauded LSU for complementing DA's agricultural development thrust through its research and extension programs while Gov. Petilla emphasized that his administration gives priority to the development of agriculture and fishery sectors.

The awardees during the 81st Founding Anniversary Convocation Program of LSU on August 11, 2005 were:

- ♦ **Prof. Dr.-Ing. Dr. h.c. Werner Muehlbauer** – Sandigan Award “in recognition of his valuable support to the academic programs of the University particularly in sourcing out funds from different German funding institutions, thus, bringing in significant amount of resources to upgrade the facilities of the Department of Agricultural Engineering and the National Abaca Research Center; and for expanding the collaboration between LSU and the university of Hohenheim and other universities and research institutions in Germany resulting to exchange visits of professors, researchers, and students and donation of research equipment and facilities.”
- ♦ Alumni and other awardees: **Miss Fe Velarde** – Entrepreneurship Award, **Engr. Igmedio Tabianan** – Special Achievement Award and **Mr. and Mrs. Ireneo Pascual** – LSU Family of the Year Award.
- ♦ LSU faculty and staff who were awarded for their remarkable performance: **Dr. Oscar B. Posas** – Outstanding Academician Award; **Prof. Yolanda C. Mangaoang** – Outstanding Teacher; **Dr. Julie D. Tan** – Outstanding Researcher; **Dr. Lutgarda S. Palomar** – Outstanding Extensionist; **Mrs. Diana P. Acedilla** – Model Clerk; **Mr. Carlito Sanchez** – Best Science Research Assistant; **Mr. Roberto Aureo** – Model Driver; and **Mr. Roberto Bagarinao** – Model Utility Worker.
- ♦ Mt. Pangasugan Awards were given to new retirees with leadership positions prior to retirement: **Dr. Casimiro D. Carcallas**, **Dr. Corazon C. Batoy**, **Prof. Aurora S. Alkuino**, **Prof. Pedro P. Pascual**, and **Prof. Nenito Sales** (Main Campus), and **Prof. Sergio Temporada** (Isabel Campus)
- ♦ Service Awards were given to **Mr. Rafael P. Advincula**, **Mr. Renato P. Bagarinao** (posthumous), **Mr. Flaviano P. Bulawan**, **Mrs. Rosario T. Centino** (Isabel Campus), **Mr. Emeterio N. Colonia** (posthumous), **Ms. Perla E. Del Pilar** (Tolosa Campus),

Mrs. Leonora C. Garcia (Villaba Campus), **Mr. Patrocinio B. Gofredo**, **Mr. Bonifacio C. Jonggay** (posthumous), **Mr. Ernesto U. Kangleon**, **Ms. Ursula E. Lauzon** (Tolosa Campus), **Mr. Sales A. Loreto, Sr.**, **Ms. Marmita C. Manuel** (Alangalang Campus), **Mrs. Rosita A. Merino** (Isabel Campus), **Mr. Manuel O. Paña**, **Mr. Jaime B. Pascual**, **Mr. Menensio C. Sabalza** (Tolosa Campus), **Mrs. Teresita A. Sales**, **Mrs. Editha A. Sidra** (Isabel Campus), and **Prof. Martha Y. Villalino**.

Apple A. Obispo, a 4th year BS Development Communication (BSDC), was crowned as **Miss LSU 2005**. The other winners were: Kathleen H. Key – 1st runner up, Khristine April B. Cruda – 2nd runner up, Aneza D. Aranzado – 3rd runner up, and Jeelan D. Tomol – 4th runner up.

The 1st **LSU Kaugmaran Festival** organized by the Culture and the Arts Center (CAC) was held on August 11, 2005 prior to the LSU anniversary convocation program. The eight participating groups of the LSU System performed their original interpretation of *kaugmaran* (progress) with emphasis on the academic programs of their respective colleges and centers.

Dr. Julie D. Tan, professor of the Philippine Root Crop Research and Training Center (PhilRootcrops) and President of the Philippine Society for Lactic Acid Bacteria (PSLAB), was re-elected as Secretary General of the Asian Federation of Society for Lactic Acid Bacteria

(AFSLAB) during the joint 3rd Asian Conference on Lactic Acid Bacteria (ACLAB-3) and 9th National Congress of the Indonesian Society for Microbiology on August 25-28, 2005 at Bali, Indonesia.

The **Municipality of Hindang, Leyte**, an LSU BIDANI client-town, received the 2nd Year CROWN Maintenance Award from the National Nutrition Council during the 2005 National Nutrition Awarding Ceremony held at the Philippine Army Officer's Clubhouse, Fort Andres Bonifacio, Taguig City on October 21, 2005. LSU BIDANI has played a vital role in conceptualizing and implementing the town's nutrition programs.

The University Culture and the Arts Center (CAC) staged a variety show on December 7, 2005 at the Baybay Gymnasium as LSU's homage to Baybay during its annual town fiesta celebration. The show featured the Visayan culture highlighting an array of Waray and Cebuano songs and dances to inspire pride among the people of their cultural heritage.

LSU hosted camps, dialogues, seminars, trainings, workshops/meetings during the year, as follows:

- ♦ **Use of Information and Communication Technology (ICT) for Research and Instruction** conducted by the Eastern Visayas Information Sharing Network (EVISNet) on January 19, 2005.



Miss LSU 2005, Miss Apple A. Obispo and her court (left photo); Kaugmaran Festival contender from Group IV (right photo).

- ♦ **2005 Regional Youth Science, Technology and Environment Camp (RYSTEC)** on January 19-22, 2005 organized by the Philippine Society of Youth Science Clubs, Inc. (PSYSC)-Eastern Visayas Chapter with the theme "GEOPROBE: Understanding the Mysteries of An Ever Changing Planet."
- ♦ **Seminar on Management of Plant Genetic Resources in the 21st Century – Integration of Conservation and Utilization and the AUNP Project Mid-Term Evaluation and Review** on February 7-10, 2005.
- ♦ **2nd Visayan Mountain Festival** on February 24-26, 2005 at the LSU Molave Hill.
- ♦ **2nd South-South-North Natural Fiber Dialogue** on March 4-6, 2005 with the theme "Natural Fiber for Industrial Purpose: Current Issues" and participated in by automobile manufacturers, investors and researchers from Brazil, Germany, Singapore, Switzerland, Thailand, and Philippines. The economic, social and ecological sustainability benefits that can be derived from the use of abaca in industry was the main highlight of the discussion.
- ♦ **2005 Training-Seminar on Teaching MAKABAYAN and Multigrade** on March 9, 2005 with the theme "PAFTE Looking into the Future of Teacher Education."
- ♦ **2nd Association of Government Accountants of the Philippines-Eastern Visayas Chapter (AGAP-EV) Seminar-Workshop** on April 27-29, 2005 with the theme "Maximizing Social Security Benefits in Times of Crisis" organized by AGAP-EV in cooperation with the Philippine Institute of Certified Public Accountants (PICPA) of Region 8.
- ♦ **Information Campaign and Scholarship Forum** on October 7, 2005 sponsored by the University Student Services Office (USSO) and the Department of Science and Technology (DOST).
- ♦ **Seminar on Strategic Management and Management of Products, Brands, and Innovations on International Landscape** on October 17-18, 2005.
- ♦ **3rd Annual Conference of the Philippine Society for Lactic Acid Bacteria (PSLAB)** on October 21-22, 2005.
- ♦ **Regional YSA Convention of the Church of the Jesus Christ of the Latter-Day Saints** on October 27-29, 2005.

SATELLITE CAMPUSES

LSU-Alangalang Campus

Dr. Manuel K. Palomar, LSU Vice President for Academic Affairs, was the keynote speaker during the 31st Commencement Exercises of the LSU-Alangalang Campus on March 28, 2006.

The LSU-Alangalang Campus celebrated its 34th Founding Anniversary on September 2-7, 2005, with the following activities: thanksgiving mass, anniversary convocation, Sports *Barok* in lieu of the Miss LSU-AC, Student Farmer's Day with skills contests and parlor games, and intramural games.



Ms. Erlinda D. Edon, Assistant Schools Division Superintendent
- Designate of Leyte Division, keynote speaker during the
"Training-Seminar on Teaching Makabayan and Multigrade."

Awards Received by Faculty and Research Staff

NAME OF AWARD	RECIPIENT	AGENCY THAT GAVE THE AWARD	DATE
INTERNATIONAL LEVEL			
Outstanding Graduate Paper (2 nd Honorable Mention)	Mr. Sergio M. Abit, Jr.	American Wetland Society	June 2005
Environmental Leadership Award 2005	Dr. Paciencia P. Milan	DaimlerChrysler	Nov. 15, 2005
NATIONAL LEVEL			
National Aquatic Resources Research and Development System (NARRDS) Award for Best Research Paper (2 nd place)	Dr. Bernardita P. Germano	DOST & PCAMRD	Jan. 28, 2005
Best Paper Award	Dr. Daniel Leslie S. Tan	PSAE	April 21, 2005
Best Research Poster (3 rd place)	Dr. Antonio A. Acedo, Jr.	NRCP	May 5, 2005
Best Poster Award	Prof. Villaluz Z. Acedo	FCSSP	May 5, 2005
Best Research Poster (1 st place)	Prof. Villaluz Z. Acedo	Phil. Asso. for Plant Tissue Culture	May 2005
PARRFI Professorial Chair Award	Dr. Julie D. Tan	PARRFI	Sept. 2005
Best Paper Award Nominee	Dr. Lucia M. Borines	DA-BAR	Oct. 7, 2005
National R & D Best Paper Award (2 nd place - Technology Generation Category)	Engr. Feliciano G. Sinon Engr. Macuin F. Delantar	DA-BAR	Oct. 7, 2005
National R & D Best Paper Award (2 nd place - Technology Adaptation/ Verification Category)	Engr. Alan B. Loreto Dr. Marcelo A. Quevedo Prof. Algerico M. Mariscal Mr. Masanori Okazaki Mr. Koki Toyota	DA-BAR	Oct. 7, 2005
National R & D Best Paper Award (3 rd place – Applied Technology Generation Category)	Dr. Bernardita P. Germano Ms. Jenny Lynn F. Melgo Ms. Julissah C. Evangelio	DA-BAR	Oct. 7, 2005

NAME OF AWARD	RECIPIENT	AGENCY THAT GAVE THE AWARD	DATE
National R & D Best Paper Award (1 st runner-up – Basic Research Category)	Dr. Daniel Leslie S. Tan	DA-BAR	Oct. 7, 2005
Best Poster Award (3 rd place)	Dr. Bernardita P. Germano Ms. Jenny Lynn F. Melgo Ms. Julissah C. Evangelio	Federation of Institutions for Marine & Freshwater Sciences	Oct. 15, 2005
<i>Dangal ng Bayan Award</i>	Dr. Roberta D. Lauzon	United Group of Charities and Human Development., Inc.	Oct. 23, 2005
<i>Likha Award</i> , 3 rd place – Outstanding Creative Research (Agriculture, Fisheries and Forestry-Government Sector Category)	Engr. Feliciano G. Sinon Mr. Alberto Martinez, Jr. Mr. Legario Ramos	DOST-TAPI	Nov. 21, 2005
<i>Likha Award</i> , 3 rd place – Outstanding Creative Research (Food and Nutrition-Government Sector Category)	Dr. Lemuel M. Diamante	DOST-TAPI	Nov. 21, 2005
Best Research Paper Award	Ms. Analyn M. Mazo Dr. Bernardita P. Germano Ms. Jenny Lynn F. Melgo	Visayas Zonal Network for Aquatic & Marine Resources & Development., PCAMRD	Dec. 2, 2005
REGIONAL			
Research Adviser Award	Dr. Misael T. Diputado, Jr.	DOST Region 8	Jan. 2005
Best Research Poster (1 st place)	Dr. Lutgarda S. Palomar Dr. Rotacio S. Gravoso Prof. Lucy B. Paloma Ms. Lorena A. Galvez Mr. Benjamin L. Cinto Dr. Alicia O. Lustre Dr. Anna V.A. Resurreccion	NRCP-Visayas	May 13, 2005
Best Research Poster (3 rd place)	Prof. Villaluz Z. Acedo	NRCP-Visayas	May 13, 2005
Outstanding R & D Project (Development Project Category)	Dr. Lutgarda S. Palomar Prof. Lucy S. Paloma Dr. Rotacio S. Gravoso Ms. Lorena A. Galvez Mr. Benjamin L. Cinto Dr. Alicia O. Lustre Dr. Ana V.A. Resurreccion	RRDEN-VICARP	Aug. 26, 2005
Outstanding R & D Project (Basic Research Category)	Prof. Villaluz Z. Acedo C. C. Arradaza	RRDEN-VICARP	Aug. 26, 2005

NAME OF AWARD	RECIPIENT	AGENCY THAT GAVE THE AWARD	DATE
Outstanding R & D Project (Applied Research Category)	Prof. Alan B. Loreto Dr. Marcelo A. Quevedo Prof. Algerico M. Mariscal Mr. Masanori Okazaki Mr. Kohi Toyota	RRDEN-VICARP	Aug. 26, 2005
Best Poster (Engineering, Energy & Industry Category)	Engr. Feliciano G. Sinon Engr. Macuin F. Delantar	RRDEN-VICARP	Aug. 26, 2005
Best R & D Poster Award (Environment & Natural Resources Category)	Dr. Edwin A. Balbarino Dr. Terry Tucker Dr. Oscar B. Posas Prof. Teofanes Patindol	RRDEN-VICARP	Aug. 26, 2005
Best R & D Poster Award (1 st place)	Prof. Villaluz Z. Acedo C. C. Arradaza	RRDEN-VICARP	Aug. 26, 2005
Research Adviser	Prof. Tessie C. Nuñez	Phil Org. of S & T Educators-Region 8	Nov. 2005
INSTITUTIONAL			
Keeper of Service Award	Prof. Antonio P. Abamo Prof. Mario E. Baliad Prof. Celso P. Ensoy Prof. Jacqueline M. Guarte Dr. Felix M. Salas	USSO-LSU	Feb. 24, 2005
ECO Farmer	Prof. Manuel B. Posas	LSU-EURONATUR	Mar. 4, 2005
Outstanding Academician	Dr. Oscar B. Posar	LSU- Main	Aug. 11, 2005
Outstanding Teacher	Prof. Yolanda C. Mangaoang	LSU-Main	Aug. 11, 2005
Outstanding Extensionist	Dr. Lutgarda S. Palomar	LSU-Main	Aug. 11, 2005
Outstanding Researcher	Dr. Julie D. Tan	LSU-Main	Aug. 11, 2005
Best Research Assistant	Mr. Carlito V. Sanchez	LSU-Main	Aug. 11, 2005
Best Clerk	Ms. Diana P. Acedilla	LSU-Main	Aug. 11, 2005
Model Driver	Mr. Roberto Aureo	LSU-Main	Aug. 11, 2005
Model Utility Worker	Mr. Roberto Bagarinao	LSU-Main	Aug. 11, 2005
Service Award	Prof. Elizabeth D. Briones	LSU-Main	Aug. 11, 2005
Loyalty Award	Ms. Leonora M. Barraza Ms. Flor R. Lamo Ms. Letecia G. Pedrera Ms. Eppie N. Katangatang Ms. Marichu M. Padayao Ms. Lilibeth G. Miralles Ms. Ethel B. Paune Ms. Gregoria S. Lagaday	LSU-AC	Sept. 2, 2005

Awards Received by Students

NAME OF AWARD	RECIPIENT	AGENCY	DATE
REGIONAL LEVEL			
4 th place – Debate (Team Category)	Hannah Pamela D. tan Stephanie Danielle Tudtud May Charisse Fulache	UP Tacloban	Jan. 26, 2005
1 st place (10- km race)	Dante Magpatoc	National Milo Marathon (Regional Elimination)	July 3, 005
3 rd place in Quiz– Individual Category	Hannah Pamela D. Tan	UP Sidlangan	Oct. 21, 2005
4 th place in Quiz– Team Category	Jed Asaph Cortes Gleen Tabudlong Eula Marie Mangaoang	UP Sidlangan	Oct. 21, 2005
Feature Writing (Filipino) - 1 st place	Marc Alfred Nuñez	CHED - 8	Dec. 17, 2005
Editorial Writing (Filipino) - 3 rd place; Desktop Publishing - 3 rd place	Uldarico Alviola	CHED - 8	Dec. 17, 2005
Ten Outstanding Youth Organization (TAYO)	Ma. Nes-Li Abilla	Ten Outstanding Youth Organization (TAYO) in the Visayas	April 29, 2005
Statistics Quiz (1 st place) (2 nd place) (3 rd place)	Marlon M. Prado Roselle-Ann S. Montajes Aljay D. Valida	Phil. Statistics Quiz (Provincial)	Nov. 9, 2005
1 st place	Siegefredo T. Bande Von HenSar B. Goltiano Eduard Manuel F. Lapinid Val Ludweg B. Posas Winston E. Valenzona	POSTE Region 8	Nov. 19, 2005

NAME OF AWARD	RECIPIENT	AGENCY	DATE
INSTITUTIONAL LEVEL			
Leadership Award	Moises Neil V. Sereño	USSO-LSU (2 nd Awards Night)	Feb. 24, 2005
Endeavor Award	Romy R. Geron Lolito E. Cuna (Tolosa Campus)	USSO-LSU (2 nd Awards Night)	Feb. 24, 2005
Best Undergraduate Research Paper of DDC	Marianne Agnes M. Taveros	DevCom Alumni Association	March 2005
Outstanding Undergraduate Thesis Award (Pure Biological Science Category)	Carmille Joanna C. Bales	Phi Delta, the Honor Society of Science	April 5, 2005
Best Undergraduate Thesis Award (Social Sciences Category)	Marianne Agnes M. Taveros	Phi Delta, the Honor Society of Science	April 5, 2005
Best Undergraduate Thesis (Physical and Environmental Sciences Category)	Joseph F. Maglinte	Phi Delta, the Honor Society of Science	April 5, 2005
Best Undergraduate Thesis (Applied Biological Sciences Category)	Julius C. Medellin	Phi Delta, the Honor Society of Science	April 5, 2005
1 st place (Individual Category)	Hannah Pamela D. Tan	LSULHS – Math/ Science Fair and Congress	Sept. 30, 2005
1 st place (Group Category)	Eula Marie C. Mangaoang Juztine Jane S. Lasquites Yzamer Pet M. Maratas	LSULHS – Math/ Science Fair and Congress	Sept. 30, 2005
2 nd place (Group Category)	Praissie JoAnne Valencia Renelle Joy Tabinas Joseph Neil Abapo	LSULHS – Math/ Science Fair and Congress	Sept. 30, 2005
3 rd place (Group Category)	Yssakhar A. Salas Joshuael C. Nuñez	LSULHS– Math/ Science Fair and Congress	Sept. 30, 2005
2005 LSU Singing Idol	Marife Lagumbay	Committee on Sports & Socio-Cultural Affairs of USSC	Sept. 30, 2005

Publications Authored by Faculty Members & Researchers

AUTHOR	TITLE	WHERE PUBLISHED
Acedo, A. L., Jr., T. Akinaga, & T. Tanabe. 2004	Inhibition of Chilling Injury and Quality Changes in Pineapple Fruit with Prestorage Heat Treatment	Journal of Food, Agriculture and Environment 2:81-86. (released in 2005)
Acedo, V. Z. 2002	Meristem Culture and Micropropagation of Cassava	Journal of Rootcrops. Vol. 28 (released in 2005)
Acedo, V. Z. 2003	Propagation of Purple Yam Through Tissue Culture (<i>Dioscorea alata</i>)	Journal of Rootcrops. Vol. 29 No. 2 (released in 2005)
Alesna, W. T. 2005	The Potential Role of ViCARP in Influencing Forest Policy	"Redevelopment of a Timber Industry Following Extensive Land Clearing": ACIAR Small-holder Forestry Project ASEM/2000/088, Proceedings from the End-of-Project Workshop (Harrison, S., J. Herbohn, J. Suh, E. O. Mangaoang, J. Vanclay eds), Aug. 19-21, 2004, Ormoc City, Phil. pp. 5-8
Asio, L. A. and A. B. Escasinas. 2004	Response of Corn to Chicken Dung and Rice Hull Ash Application and Mycorrhizal Fungi Inoculation	Annals of Tropical Research Vol. 26 (1 & 2): pp. 23-38 (released in 2005)
Asio, V. B. 2005	Comments on Historical Development of Soil and Weathering Profile Concepts from Europe to the United States of America	Soil Science Society of Soil Science Society of American Journal. 69:571-572
Asio, V. B. and M. J. M. Bande, 2005.	Innovative Community-led Sustainable Forest Resource Conservation and Management in Baybay, Leyte, Philippines	In: Innovative Communities: People-Centered Approaches to Environmental Management in the Asia-Pacific Region (Velasquez, J., Yashiro, M., I. Ono eds) United Nations University Press, Tokyo-New York-Paris, pp. 204- 224
Asio, V. B., M. Y. Wu and Z. S. Chen. 2005	Soil Quality Dynamics of Applying Swine Manure in a Crop Rotational System	In: Application of Emerging Soil Researchers to the Conservation of Agricultural Ecosystems (J. E. Yang, T. M. Sa and J. J. Kim, eds.). Special publication of the Korean Society of Soil Science and Fertilizers, The Korean Society of Agriculture and Environment, and the Rural Development Administration, Korea. pp. 131-147

AUTHOR	TITLE	WHERE PUBLISHED
Banaticla, M. R. N., R. F. Sales, and R. D. Lasco, 2005	Biomass Equations for Tropical Tree Plantation Species Using Secondary Data from the Philippines	"Redevelopment of a Timber Industry Following Extensive Land Clearing": ACIAR Small-holder Forestry Project ASEM/2000/088, Proceedings from the End-of- Project Workshop (Harrison, S., J. Herbohn, J. Suh, E. O. Mangaoang, J. Vanclay eds), Aug. 19-21, 2004, Ormoc City, Phil. pp. 113-128
Cagasan, U.A. and B. Agarcio. 2004	Yield and Economic Returns of Peanut and Sweetcorn as Influenced by Timing of Planting the Crops in an Intercropping Scheme	Annals of Tropical Research. 26 (1 & 2): 1-22 (released in 2005)
Cedamon, E. D. and N. F. Emtage. 2005	Conducting Surveys on Forestry Attitudes and Practices in Leyte Communities: Experiences and Lessons Learnt	Small-scale Forest Economics, Management and Policy 4(1): 69-84
Cedamon, E. D. and N. F. Emtage. 2005	Conducting Surveys on Forestry Attitudes and Practices in Leyte Communities: Experiences and Lessons Learnt	"Redevelopment of a Timber Industry Following Extensive Land Clearing": ACIAR Small-holder Forestry Project ASEM /2000/088, Proceedings from the End-of- Project Workshop (Harrison, S., J. Herbohn, J. Suh, E. O. Mangaoang, J. Vanclay eds), Aug. 19-21, 2004, Ormoc City, Phil. pp. 9-22
Cedamon, E. E., N. F. Emtage, J. Suh, J. L. Herbohn, S. R. Harrison, and E. O. Mangaoang. 2005	Present Tree Planting and Management Activities in Four Rural Communities in Leyte Province	"Redevelopment of a Timber Industry Following Extensive Land Clearing": ACIAR Small-holder Forestry Project ASEM /2000/088, Proceedings from the End-of- Project Workshop (Harrison, S., J. Herbohn, J. Suh, E. O. Mangaoang, J. Vanclay eds), Aug. 19-21, 2004, Ormoc City, Phil. pp. 37-49
Cedamon, E. D., E. O. Mangaoang, J. Cedamon, J. L. Herbohn, and S. R. Harrison. 2005	Nursery Establishment and Practices for Smallholder Tree Farmer	Smallholder Forestry Infokit, No. 1; copyright ACIAR Smallholder Tree Farmer Project, College of Forestry & Natural Resources, LSU, Visca, Baybay, Leyte, Phil.
Cedamon, E. D., E. O. Mangaoang, N. O. Gregorio, A. E. Pasa, and J. L. Herbohn. 2005	Nursery Management in Relation to Root Deformation, Sowing and Shading	"Redevelopment of a Timber Industry Following Extensive Land Clearing": ACIAR Small-holder Forestry Project ASEM /2000/088, Proceedings from the End-of- Project Workshop (Harrison, S., J. Herbohn, J. Suh, E. O. Mangaoang, J. Vanclay eds), Aug. 19-21, 2004, Ormoc City, Phil. pp. 293-299

AUTHOR	TITLE	WHERE PUBLISHED
Diamante, L. M., K. Ishibashi and K. Hironaka. 2004	Moisture Adsorption Isotherms of Dried Mangoes at a Temperature Range of 25 to 45°C	Annals of Tropical Research Vol.26 (1 & 2):pp. 39-53 (released in 2005)
Diamante, L. M., M. S. Chinnan, and P. Mallikurjunan	Deep Bed Peanut Drying Using Hukill's Analysis	Annals of Tropical Research Vol.26 (1 & 2):pp. 54-76 (released in 2005)
Gonzal, L. R. 2005	Integrating Abaca in a Mixed Forest Culture: a Livelihood Option for Smallholder Tree Farmers	"Redevelopment of a Timber Industry Following Extensive Land Clearing":ACIAR Small-holder Forestry Project ASEM /2000/088, Proceedings from the End-of-Project Workshop (Harrison, S., J. Herbohn, J. Suh, E. O. Mangaoang, J.Vanclay eds), Aug. 19-21, 2004, Ormoc City, Phil. pp. 235-241
Gregorio, N. O., J. L. Herbohn, and S. R. Harrison. 2005	Small-scale Forestry Development in Leyte, the Philippines: the Central Role of Nurseries	"Redevelopment of a Timber Industry Following Extensive Land Clearing":ACIAR Small-holder Forestry Project ASEM /2000/088, Proceedings from the End-of-Project Workshop (Harrison, S., J. Herbohn, J. Suh, E. O. Mangaoang, J.Vanclay eds), Aug. 19-21, 2004, Ormoc City, Phil. pp. 243-255
Gregorio, N. O., J. L. Herbohn, and S. R. Harrison. 2005	The Potential Role of Nurseries in Improving Access to High Quality Planting Stock and Promoting Appropriate Silvicultural Systems to Improve the Productivity of Smallholder Tree Farms in Leyte, the Philippines	"Redevelopment of a Timber Industry Following Extensive Land Clearing":ACIAR Small-holder Forestry Project ASEM /2000/088, Proceedings from the End-of-Project Workshop (Harrison, S., J. Herbohn, J. Suh, E. O. Mangaoang, J.Vanclay eds), Aug. 19-21, 2004, Ormoc City, Phil. pp. 269-278
Gregorio, N. O., J. L. Herbohn, and S. R. Harrison. 2005	Germplasm Access and Planting Stock Quality in Smallholder Forest Nurseries in Leyte, the Philippines	"Redevelopment of a Timber Industry Following Extensive Land Clearing":ACIAR Small-holder Forestry Project ASEM /2000/088, Proceedings from the End-of-Project Workshop (Harrison, S., J. Herbohn, J. Suh, E. O. Mangaoang, J.Vanclay eds), Aug. 19-21, 2004, Ormoc City, Phil. pp. 279-291
Guzman, M. P. and L. M. Noriel. 2005	Competition of Tropic Ageratum (<i>Ageratum conyzoides</i> L.) Against Upland Rice (<i>Oryza sativa</i> L.)	Phil. Jour. Weed Sci. 23:47-53
Guzman, M. P. and L. M. Noriel. 2005	Allelopathic Effects of Tropic Ageratum (<i>Ageratum conyzoides</i> L.) Against Upland Rice (<i>Oryza sativa</i> L.)	Phil. Jour. Weed Sci. 23:54-63

AUTHOR	TITLE	WHERE PUBLISHED
Harrison, S. R., J. L. Herbohn, E. O. Mangaoang, J. Suh, and J. K. Vanclay. (eds). 2005	Redevelopment of a Timber Industry Following Extensive Land Clearing	ACIAR Smallholder Forestry Project ASEM/2000/088: Proceedings from the End-of- Project Workshop, Aug. 19-21, 2004, Ormoc City, Phil. 322 pp.
Harrison, S. R., T. Venn, R. F. Sales, E. O. Mangaoang, and J. L. Herbohn. 2005	Estimated Financial Performance of Exotic and Indigenous Tree Species in Small-Holder Plantations in Leyte Province	"Redevelopment of a Timber Industry Following Extensive Land Clearing": ACIAR Small-holder Forestry Project ASEM /2000/088, Proceedings from the End-of- Project Workshop (Harrison, S., J. Herbohn, J. Suh, E. O. Mangaoang, J. Vanclay eds), Aug. 19-21, 2004, Ormoc City, Phil. pp. 215-224
Herbohn, J. L., N. F. Emtage, S. R. Harrison, N. O. Gregorio, and D. P. Peque. 2005	The Influence of Land and Tree Tenure on Participation in Smallholder and Community Forestry in the Philippines	"Redevelopment of a Timber Industry Following Extensive Land Clearing": ACIAR Small-holder Forestry Project ASEM /2000/088, Proceedings from the End-of- Project Workshop (Harrison, S., J. Herbohn, J. Suh, E. O. Mangaoang, J. Vanclay eds), Aug. 19-21, 2004, Ormoc City, Phil. pp. 205-214
Palomar, M. K., E. O. Landerito, A. P. Molato, D. S. Cayanong, and V. G. Palermo	Antifungal activity of six botanicals against root crop diseases	Annals of Tropical Research Vol.26 (1 & 2):pp. 77-95 (released in 2005)
Sinon, F. G. and A. C. Martinez, Jr. 2005)	Development of an electronic moisture meter for abaca fiber	Annals of Tropical Research Vol.26 (1 & 2):pp. 96-113 (released in
Tan, D. L. S., K. Miyamoto, K. Ishibashi, K. Matsuda, 2005) and T. Satow	Evaluation of the technical performance of root crop processing machines for sweetpotato grates and flour production	Annals of Tropical Research Vol.26 (1 & 2):pp. 114-139(released in
Tulin, A. B., V. B. Asio, D. M. Campilan, and 2005) S. Kawai	Characterization of nutrient deficiency symptoms in sweetpotato through farmer- scientist participatory approach	Annals of Tropical Research Vol.26 (1 & 2):pp. 140-166(released in
Vasquez, E. A., W. Kraus, J. Conrad, 2005) B. Volger, C. Zebitz, and B. M. Rejesus	Bioassay-guided isolation of the anti- microbial compounds of <i>Coleus amboinicus</i> Loureiro (Lamiaceae)	Annals of Tropical Research Vol.26 (1 & 2):pp. 167-183(released in

List of Faculty Members Promoted Per NBC 461 (2nd Cycle Evaluation)

NAME OF FACULTY	PREVIOUS RANK	PRESENT RANK
Paciencia P. Milan	Professor VI	University Professor
Manuel K. Palomar	Professor VI	University Professor
Lutgarda S. Palomar	Professor VI	College Professor
Eutiquio E. Sudaria	Professor V	Professor VI
Nestor L. Pido	Professor III	Professor IV
Lemuel M. Diamante	Professor I	Professor III
Eduardo O. Mangaoang	Associate Professor V	Professor III
Julie D. Tan	Professor I	Professor III
Anabella B. Tulin	Professor I	Professor III
Edgardo E. Tulin	Associate Professor V	Professor III
Zosimo M. de la Rosa	Professor I	Professor II
Algerico M. Mariscal	Professor I	Professor II
Marcelo A. Quevedo	Associate Professor V	Professor II
Daniel Leslie S. Tan	Associate Professor V	Professor II
Belita A. Vega	Professor I	Professor II
Felix J. Amestoso	Associate Professor V	Professor I
Pedro T. Armenia	Associate Professor V	Professor I
Perfecto U. Bartolini	Associate Professor V	Professor I
Lolito C. Bestil	Associate Professor V	Professor I
Ma. Juliet C. Ceniza	Associate Professor V	Professor I
Misael T. Diputado, Jr.	Associate Professor V	Professor I
Bernardita P. Germano	Associate Professor II	Professor I
Beverlo P. Pascual	Associate Professor V	Professor I
Justino M. Quimio	Associate Professor III	Professor I
Anilfa L. Abenoja	Associate Professor IV	Associate Professor V
Edwin A. Balbarino	Associate Professor IV	Associate Professor V
Buenaventura B. Dargantes	Associate Professor IV	Associate Professor V
Nelen P. Lambert	Associate Professor IV	Associate Professor V
Alan B. Loreto	Associate Professor II	Associate Professor V
Alberto A. Taveros	Associate Professor IV	Associate Professor V
Marilyn M. Belarmino	Associate Professor III	Associate Professor IV
Lucia M. Borines	Associate Professor I	Associate Professor IV
Tessie C. Nuñez	Associate Professor II	Associate Professor IV
Julietta R. Roa	Associate Professor I	Associate Professor IV
Felix M. Salas	Associate Professor II	Associate Professor IV
Milagros C. Bales	Associate Professor II	Associate Professor III
Ma. Salome B. Bulayog	Associate Professor II	Associate Professor III
Fe M. Gabunada	Assistant Professor III	Associate Professor III
Pastor P. Garcia	Associate Professor II	Associate Professor III
Humberto R. Montes, Jr.	Associate Professor I	Associate Professor III
Analita A. Salabao	Associate Professor I	Associate Professor III
Villaluz Z. Acedo	Associate Professor I	Associate Professor II
Beatriz S. Belonias	Assistant Professor IV	Associate Professor II
Dilberto O. Ferraren	Assistant Professor IV	Associate Professor II

NAME OF FACULTY	PREVIOUS RANK	PRESENT RANK
Paciano T. Quirol	Associate Professor I	Associate Professor II
Agnes M. Taveros	Associate Professor I	Associate Professor II
Editha G. Cagasan	Assistant Professor III	Associate Professor I
Ruth O. Escasinas	Assistant Professor II	Associate Professor I
Jacqueline M. Guarte	Assistant Professor IV	Associate Professor I
Luz O. Moreno	Assistant Professor IV	Associate Professor I
Lydia V. Presbitero	Assistant Professor IV	Associate Professor I
Rosario A. Salas	Assistant Professor III	Associate Professor I
Feliciano G. Sinon	Assistant Professor II	Associate Professor I
Josefina Q. Subere	Assistant Professor IV	Associate Professor I
Rosa Ophelia D. Velarde	Assistant Professor III	Associate Professor I
Ma. Luisa E. Diputado	Assistant Professor II	Assistant Professor IV
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Rotacio S. Gravoso	Assistant Professor III	Assistant Professor IV
Beatriz C. Jadina	Assistant Professor I	Assistant Professor IV
Ma. Theresa P. Loreto	Assistant Professor II	Assistant Professor IV
Yolanda D. Mangaoang	Assistant Professor II	Assistant Professor IV
Arturo E. Pasa	Assistant Professor II	Assistant Professor IV
Teofanis A. Patindol	Assistant Professor II	Assistant Professor IV
Arsenio D. Ramos	Assistant Professor II	Assistant Professor IV
Aleli A. Villocino	Instructor III	Assistant Professor IV
Romel B. Armecin	Assistant Professor I	Assistant Professor III
Senona A. Cesar	Assistant Professor I	Assistant Professor III
Lijueraj J. Cuadra	Instructor I	Assistant Professor III
Elsie E. Salamat	Assistant Professor II	Assistant Professor III
Erna Teresita J. Sedigo	Assistant Professor I	Assistant Professor III
Rufina F. Capuno	Assistant Professor I	Assistant Professor II
Christina A. Gabrillo	Assistant Professor I	Assistant Professor II
Lilian B. Nuñez	Assistant Professor I	Assistant Professor II
Gavino N. Bastasa	Instructor II	Assistant Professor I
Fermin P. Inoferio	Instructor II	Assistant Professor I
Lucia S. Norris	Instructor III	Assistant Professor I
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Rosalina D. Poliquit	Instructor III	Assistant Professor I
Argina M. Pomida	Instructor II	Assistant Professor I
Ludito V. Ramirez	Instructor II	Assistant Professor I
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Rosario P. Abela	Instructor I	Instructor III
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Allan A. Ramal	Instructor II	Instructor III
Jude Nonie A. Sales	Instructor I	Instructor III
Janet P. Sinon	Instructor II	Instructor III
Marvin G. Albarico	Instructor I	Instructor II
Lotis M. Balala	Instructor I	Instructor II
Florife A. Gatchalian	Instructor I	Instructor II
Annie P. Gravoso	Instructor I	Instructor II
Nestor O. Gregorio	Instructor I	Instructor II
Anna Leah D. Lim	Instructor I	Instructor II
Dario P. Lina	Instructor I	Instructor II
Dennis P. Peque	Instructor I	Instructor II
Anatolio N. Polinar	Instructor I	Instructor II
Patricia P. Santiago	Instructor I	Instructor II

Statement of Income and Expenses

For the Fiscal Year Ended December 31, 2005

INCOME

Subsidy Income from National Government	223,494,864.08	
Less: Reversion of Unused NCA	<u>4,683.89</u>	
NET		223,490,180.19
Permit Fees		432.00
Registration Fees		789,812.50
Athletic & Cultural Fees		838,853.90
Clearance /Certification Fees		76,003.80
Comprehensive Examination Fees		57,912.50
Diploma & Graduation Fees		470,718.50
Garbage Fees		58,720.50
Libray Fees		935,350.95
Medical, Dental & Lab. Fees		6,428,742.13
Transcript of Record Fees		450,946.39
Other Service Income		8,194,036.84
Fines & Penalties- Service Income		20,363.00
Income from Canteen Operation		210,972.61
Income from Dormitory Operations		2,481,047.00
Printing & Publication Income		333,702.99
Rent Income		126,236.81
Tuition Fees		14,870,132.85
Other Business Income		16,807,113.54
Income from Grants and Donation		1,869,497.60
Interest Income		346,406.19
Miscellaneous Income		137,403.47
Other Findes & Penalties		<u>183,438.19</u>
		279,178,024.45

Less: EXPENSES

Salaries & Wages-Regular	106,946,160.10
Salaries & Wages-Part Time	317,265.60
Salaries & Wages - Casual	10,179,387.18
Salaries & Wages - Contractual	4,557,228.58
Salaries & Wages Emergency	256,696.72
PERA	5,267,821.77
ADCOM	5,267,821.76
Representation Allowance(RA)	316,475.00
Transporation Allowance(TA)	307,459.17
Clothing/Uniform Allowance	3,446,287.50
Productivity Incentive Bonus	1,687,760.73
Other Bonus	4,197,656.86
Honoraria	4,713,945.72
Hazard Pay	2,948.77
Overtime & Night Pay	430,242.76

Statement of Income and Expenses

For the Fiscal Year Ended December 31, 2005

Cash Gift	4,627,301.00
Year End Bonus	10,125,632.42
Life & Ret. Insurance Contributions	15,068,730.67
Pag-ibig Contributions	1,066,426.16
Philhealth Contributions	1,134,121.00
ECC Contributions	389,012.37
Terminal Leave Benefits	2,879,643.81
Health Workers Benefits	170,710.00
Other Personnel Benefits	13,532,678.89
Traveling Expenses-Local	3,286,171.28
Training Expenses	514,351.20
Scholarship Expense	1,054,498.00
Office Supplies Expenses	4,354,766.97
Accountable Forms Expenses	241,617.86
Animal/ Zoological Supplies Expenses	665,412.86
Food Supplies Expenses	4,094,580.30
Drugs and Medicines	41,028.78
Medical, Dental & Lab Supplies Expenses	769,247.64
Gas. Oil & Lub. Expenses	3,065,781.61
Agricultural Supplies Expenses	896,884.25
Textbook & Instructional Mat. Expenses	248,301.02
Other Supplies Expenses	1,250,349.29
Water Expenses	64,067.36
Electricity Expenses	12,147,433.02
Cooking Gas Expenses	43,040.26
Postage & Deliveries	33,206.87
Telephone Expense-Landline	1,567,096.88
Telephone Expense-Mobile	34,849.40
Internet Expenses	636,367.92
Cable, Telephone, radio Expenses	18,479.20
Membership Dues	411,232.00
Awards and Indemnities	10,000.00
Advertising Expenses	79,500.00
Printing & Binding Expenses	664,251.74
Rent Expense	90,180.00
Representation Expenses	23,300.00
Transportation & Delivery Expenses	21,267.02
Subscription Expenses	293,666.50
Rewards and Other Claims	63,000.00
Legal Services	10,100.00
Auditing Services	44,867.34
General Services	3,496,454.26
Repair & Maintenance- Land Improvements	52,730.52
Repair & Maintenance- Electrification, Power & Energy	171,140.00
Repair & Maintenance- Office Buildings	935,189.16
Repair & Maintenance- School Buildings	2,618,246.97
Repair & Maintenance- Market & Slaughterhouse	11,470.00
Repair & Maintenance- Other Structures	874,877.33
Repair & Maintenance- Office Equipt.	189,870.26
Repair & Maintenance- Furniture & Fixtures	320,228.02
Repair & Maintenance- IT Equipt. & Software	1,071,118.46
Repair & Maintenance- Machineries	34,280.00

Statement of Income and Expenses

For the Fiscal Year Ended December 31, 2005

Repair & Maintenance- Com. Equipt.	82,965.00
Repair & Maintenance- Const. & Heavy Equipt.	14,145.00
Repair & Maintenance- Firefighting Equipt.	46,400.00
Repair & Maintenance- Military & Police Equipt.	750.00
Repair & Maintenance- Sports Equipt.	24,810.00
Repair & Maintenance- Technical & Scientific Equipt.	222,313.00
Repair & Maintenance- Other Machineries & Equipt.	56,673.05
Repair & Maintenance- Motor Vehicles	1,434,534.74
Repair & Maintenance- Other Transportation Equipt.	1,750.00
Repair & Maintenance- Other Property , Plant & Equipt.	17,576.45
Repair & Maintenance- Artesian Wells	16,853.75
Repair & Maintenance- Waterways	917.00
Extraordinary	84,000.00
Miscellaneous Expenses	9,900.00
Taxes, Duties & Licenses	75,701.26
Fidelity Bond Premium	127,235.63
Insurance Expenses	1,210,076.34
Bad Debts Expenses	67,347.54
Depreciation Expenses- Land Improvement	389,661.73
Depreciation Expenses- Office Building	1,109,366.13
Depreciation Expenses- School Building	2,993,057.73
Depreciation Expenses- Hospital & Health Care	35,604.81
Depreciation Expenses- Market & Slaughterhouse	35,541.34
Depreciation Expenses- Other Structure	1,276,929.14
Depreciation Expenses- Office Equipment	550,410.80
Depreciation Expenses- Furniture & Fixture	169,785.10
Depreciation Expenses- IT Equipment & Software	2,342,702.38
Depreciation Expenses- Library Books	228,933.07
Depreciation Expenses- Machineries	280,724.91
Depreciation Expenses- Agricultural & Fisheries	30,135.55
Depreciation Expenses- Communication	149,649.85
Depreciation Expenses- Const. & Heavy Equipt.	24,337.53
Depreciation Expenses- Firefighting Equipt.	340.20
Depreciation Expenses- Medical, Dental & Lab.	4,704.48
Depreciation Expenses- Military & Police	9,384.57
Depreciation Expenses- Sports Equipt.	4,261.76
Depreciation Expenses- Technical & Scientific	2,187,390.89
Depreciation Expenses- Other Machineries & Equipt.	181,672.41
Depreciation Expenses- Motor Vehicles	967,438.66
Depreciation Expenses- Other Property , Plant & Equipt.	9,341.58
Other Maintenance & Operating Expenses	15,864,569.68
Bank Charges	5,940.00
Total Expenses	275,749,749.15
EXCESS OF INCOME OVER EXPENSES	3,428,275.30

Condensed Statement of Income and Expenses

For the Fiscal Year Ended December 31, 2005

INCOME		279,178,024.45
Less: EXPENSES		
Personal Services	196,889,414.54	
Maintenance and Other Operating Expenses	78,854,394.61	
Financial Expenses	5,940.00	275,749,749.15
EXCESS OF INCOME OVER EXPENSES		<u>3,428,275.30</u>

Condensed Balance Sheet

As of December 31, 2005

ASSETS

CURRENT ASSETS

Cash	47,160,659.82	
Receivables - Net	32,243,894.82	
Inventories	312,451.08	
Prepaid Expenses	107,031.32	
Other Current Assets	68,563.00	
Total Current Assets		79,892,600.04

PROPERTY, PLANT & EQUIPMENT

Property Plant & Equipment	371,286,609.00	
Less: Accum Depreciation	218,753,157.11	152,533,451.89

TOTAL ASSETS		232,426,051.93

LIABILITIES AND EQUITY

LIABILITIES

Current Liabilities	27,907,116.23	
Other Liabilities	23,870,448.34	51,777,564.57

EQUITY

Government Equity		180,648,487.36

TOTAL LIABILITIES & EQUITY		232,426,051.93

Officers of the LSU System

HEADS OF LSU CAMPUSES

(As of December 31, 2005)

MAIN CAMPUS

DR. PACIENCIA P. MILAN

*President, Leyte State University
Visca, Baybay, Leyte*

SATELLITE CAMPUSES

DR. SALVADOR C. DAGOY

*Dean, College of Agri-Industrial Technology
LSU-Isabel Campus
Isabel, Leyte*

DR. CONCHITA A. ITO

*Dean, College of Education and Agricultural Technology
LSU-Villaba Campus
Villaba, Leyte*

DR. PABLO B. PEDRERA

*Dean, College of Environmental & Agricultural Technology
LSU-Alangalang Campus
Alangalang, Leyte*

DR. ROBERTA D. LAUZON

*Dean, College of Fisheries
LSU-Tolosa Campus
Tolosa, Leyte*

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(AS OF DECEMBER 31, 2005)

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Dr. Conchita A. Ito	-	<i>Dean, College of Education & Agricultural Technology</i>
Dr. Pablo B. Pedrera	-	<i>Dean, College of Environmental & Agricultural Technology</i>
Dr. Roberta D. Lauzon	-	<i>Dean, College of Fisheries</i>
Dr. Othello B. Capuno	-	<i>Director, Research & Extension Programs</i>
Prof. Algerico M. Mariscal	-	<i>OIC, Philippine Root Crop Research & Training Center</i>
Dr. Lelita R. Gonzal	-	<i>Director, National Abaca Research Center</i>
Dr. Eutiquio E. Sudaria	-	<i>Director, National Coconut Research Center-Visayas</i>
Dr. Edwin A. Balbarino	-	<i>Director, Farm & Resource Management Institute</i>
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Facilitator	•	RONILLO V. CANO

Goals

1. Produce high and middle-level quality manpower in agriculture and allied fields to serve the development needs of the region.
2. Generate agricultural production and processing technologies and technology dissemination strategies adaptable to small farms.
3. Advocate effective policy formulation and management of rural development programs.
4. Improve the productivity, profitability, equity, and well-being of the Visayan farmers and their household members through ecologically sound natural resources management.
5. Promote effectiveness, efficiency, and productivity in the operation of the university system.

Objectives

1. To strive for excellence in agriculture education for regional and rural development.
2. To sharpen its focus on impact programs and projects in instruction, research, and the application of new knowledge for the well-being of the small Visayan farmers and rural families.
3. To build enduring linkages with national and regional institutions and agencies for the promotion of relevant instruction, meaningful research, and effective transmission of useful knowledge in the rural communities in the Visayas.

Leyte State University

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