



**VISAYAS STATE COLLEGE OF AGRICULTURE**  
Baybay, Leyte  
Philippines





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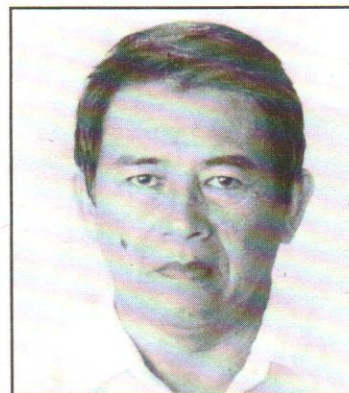
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# Foreword

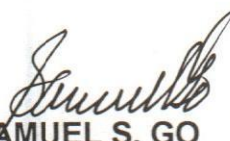
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Year 1994 was a crucial year for the Visayas State College of Agriculture (VISCA). Implementation of some College programs and projects for the year met unexpected snags triggered by hidden financial problems related to the continued employment of casual workers far beyond the maximum number set by DBM for the College in 1991. These carry-over administrative problems required special action in addition to anticipated resistance to the implementation of corrective management strategies required by COA and DBM. Furthermore, unprogrammed adjustments had to be made after the VISCA Administration Building burned down in September, 1994.



In spite of the seemingly unsurmountable barriers VISCA managed, with extra effort and determination, to attain its objectives in instruction, research and extension as planned. Production projects received special attention to provide facilities for realistic hands-on training. The College strengthened its working relationship with DOST, DILG, PhilRice, DAR and DA while it forged linkages with three foreign universities. The heavy administrative workload became lighter with the support of DBM, DECS, CHED, VISCA Board of Trustees, students, staff, local and national government officials, other government agencies and benefactors.

VISCA's 1994 experience encouraged the Administration to stay resolute in its drive to strengthen the administrative machinery as a tool for effective instruction, research and extension. The College is committed to do its share in attaining the Philippine Government's medium and long term goals.

  
**SAMUEL S. GO**  
President



# Highlights

## Development of New Study Guides

- New study guides in the fields of animal science, agricultural extension, agricultural economics and plant protection were constructed.

## Curriculum Development

- Curricular proposals reviewed by the Academic Council and Executive Committee included the offering of BS Biology with majors in Marine Biology and Ecology and revisions of BS Agricultural Engineering, BS Home Economics and Home Economics Technician Course curricula.

## Laboratory School Conversion

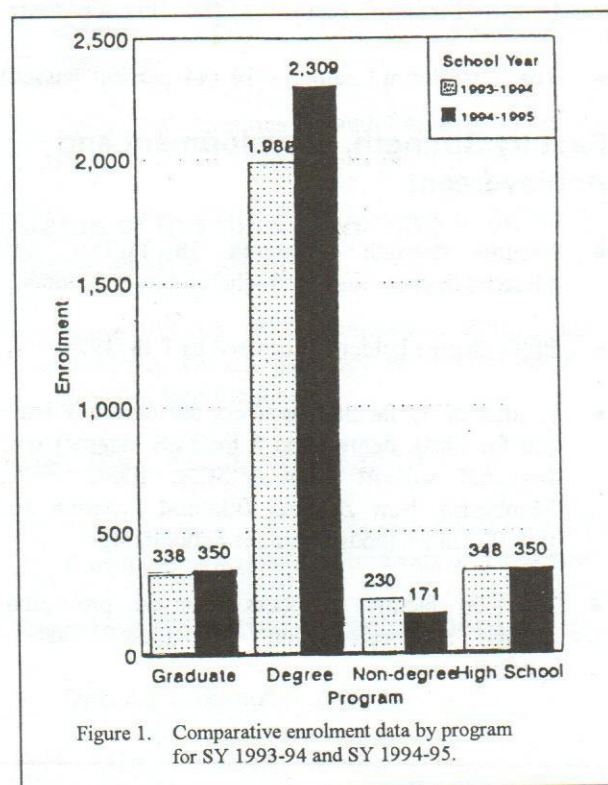
- The Experimental Rural High School (ERHS) of VISCA converted into a laboratory school of the College and was renamed VISCA Laboratory High School (VLHS).

## Enrolment Profile

- College enrolment increased by 10.72 percent with 20 percent increase of freshman enrolment and the highest enrolment figure was recorded in the BSA degree program.

## Student Achievement

- Of the total undergraduate students, 24 percent were scholars during the first semester and 25 percent in the second semester.
- Forty-one percent (146) out of 350 high school students enjoyed VISCA scholarships.
- Sixteen VISCA Laboratory High School students maintained high academic performance by garnering 1st and 2nd places in regional and national academic competitions.



- The ROTC Unit of VISCA garnered Second Place for the Best ROTC Unit in Region 8 during the Annual Administrative and Tactical Inspection.

## The Graduates

- A total of 300 students (26 graduate degree, 237 undergraduate degree and 37 two-year course) graduated. Nine graduates received *cum laude* honors.
- VISCA's laboratory high school produced 83 graduates with 10 students receiving "With Honors" in addition to the 2 top ranking students (Valedictorian and Salutatorian).



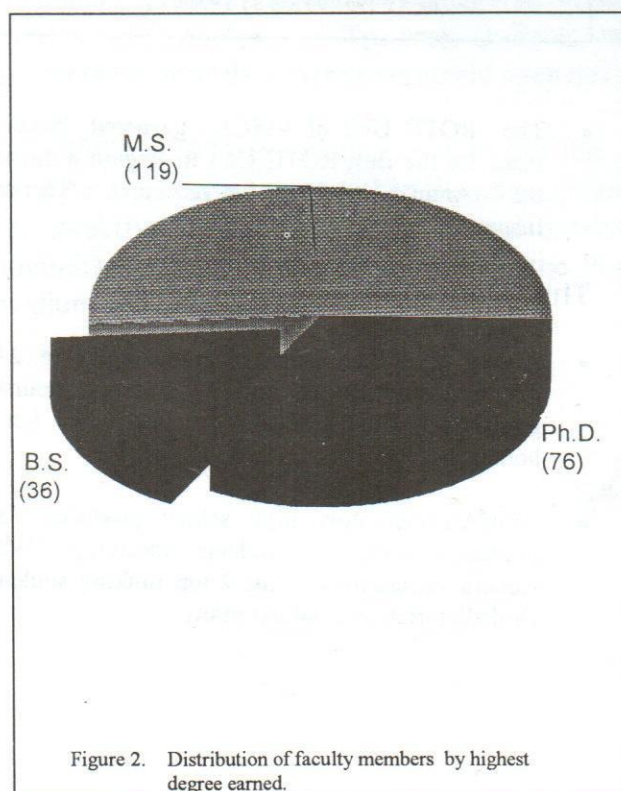
## Board Exam Passers

Three categories of VISCA graduates join the list of Board Exam Passers, namely:

- Agricultural Engineering - 2 (67 percent passed) with one copping the Third Place.
- Forestry Licensure Exam - 15 (60 percent passed)
- Teachers' Board Exam - 14 (44 percent passed)

## Faculty Strength, Development and Achievement

- Faculty strength registered 76 Ph.D.'s, 119 Master's degree, and 36 Bachelor degree holders.
- Ph.D. degree holders increased by 8 in 1994.
- A total of 31 faculty members are on study leave (26 for Ph.D. degree and 5 for M.S. degree) with financial support from VISCA, IDRC, GTZ, Monbusho, New Zealand Bilateral Program and the World Methodist Hunger Scholarship.
- Fourteen faculty members received prestigious awards and recognition in their fields of specialization.



## Increased Honoraria for Dorm Advisers

- An increase of 50 percent of the dormitory advisers' honoraria was approved for implementation by January 1995 while another 50 percent increase to be implemented in 1996.

## Research and Development

- A total of 204 research studies were implemented for CY 1994. Local and international funding agencies for research and development projects included: ACIAR, AGRI-TREND Resources, CIAT, CIAT/CSIRO/AIDAB, CIIFAD, FARMI, DOST GTZ, IFS, IDRC, INSURF, IRRI, MICC, NRCP, NRI-SAPPRAD, PCARRD, PCA, PCIERD, PNOC, PURC, ODA thru the University of Reading, UPWARD, USAID and VISCA.

## Research Awards

- VISCA got the first and second places for the "Outstanding Applied Research Award" Silver Category during the Regional R and D Symposium in July 1994.

## New Ubi Variety Developed

- PSB BU-4 (Binato Glan).

## Mature Technologies Developed for Dissemination

- Use of rootcrops in various animal feed formulations
- Use of upgraded rams for improved sheep production
- Use of artificial insemination (AI) in upgrading swine and large ruminants (cattle and carabao)
- Improved housing system for small ruminants (goat and sheep)
- Silage-making
- Urea-molasses-mineral block (UMMB) as ruminant feed supplement



- Agroforestry system technologies
- Tree farming and reforestation technologies
- Chipper machine for cassava flour processing
- Portable engine-powered abaca stripping machine
- Pole sitao (CSL - 14)
- Rootcrop flour grinder
- Pedal-operated and motorized rootcrop chipping machine
- Rootcrop flour finisher
- Improved cassava formulations
- New and improved carabeef products

### **Extension Programs Implemented**

- A total of 14 integrated extension programs were implemented for CY 1994.

### **Extension Project Award**

- VISCA got the Silver Award for the "Most Outstanding Extension Project in the Region" during the Regional R and D Symposium in July 1994.

### **Extension Activities**

- Production and distribution of about one ton of white corn (VM-2) seeds by the Department of Plant Breeding to farmers in the Visayas.
- Dispersal of 4,214 seedlings composed of mahogany, yemane, and other tree species to various government and non-government organizations by the Department of Forestry.
- Establishment of different agroforestry systems at the Department of Forestry for demonstration and training purposes.
- Development of a 2-hectare rice seed production area by Dr. Florencio Saladaga, a professor in the Department of Plant Breeding and Agricultural Botany in cooperation with PhilRice and IRRI.
- Provision of technical assistance by the different technical departments and research centers which included the following: demonstrations,

fabrication and marketing of ricehull- fueled cookstoves to farmers/ extensionists; promotion of non- conventional energy in Region VIII; sweet potato processing; cassava processing; animal diseases management; feedmill operation and management/livestock integration; feedlot fattening; multistorey cropping systems; agroforestry and reforestation; tree-based cropping systems; pest-related problems, preparation of project proposals, analysis of soil and plant tissue samples, field inoculation and fertilizer application.

- Conduct of trainings through formal and non-formal education in various commodities.

### **Status of the Bill Converting VISCA into a University**

- House Bill No. 10909 converting VISCA into a university was scheduled for second reading at the House of Representatives.

### **VISCA's CSC Accreditation**

- The Civil Service Commission accredited VISCA, allowing it to act on appointments of employees.

### **Physical Facilities Development**

- Ongoing construction projects:
  - Crop Processing building
  - GTZ Marine Laboratory building
- The new GTZ building which houses the VISCA-GTZ Ecology Program office was inaugurated.

### **Land Use and Agricultural Products Management**

- The BOT approved VISCA's Land Zoning and Land Utilization Program and its implementation.
- VISCA implemented centralized selling of agricultural products produced by the College.

### **Communications Network Development**

- VISCA through the financial support of the CFTU program, a collaborative research program based at the Farm and Resource Management Institute, installed an electronic mail. This facilitated international communication network.



## Values Development

- A seminar-workshop on values education was conducted by VISCA through the Center for Research and Communications of the Southeast Asian Science Foundation, Inc. with Commissioner Patricia Sto. Tomas as the guest speaker in its culminating program.
- In consonance with the Civil Service Commission's values reorientation program, VISCA conducted a film show for its employees entitled "Mamamayan Muna Hindi Mamaya Na."



A. CRC staff answers queries from seminar-workshop participants on values education for VISCA staff.

## Donations Received

- PhilRice grant in the amount of Twenty Five Thousand Pesos (P25,000) for the production of foundation rice seeds.
- Veterinary books, drug brochures and drugs for livestock.
- Books, scientific journals and various publications.
- Computer with printer
- Karaoke

## New Acquisitions

- New psychological test materials and some laboratory equipment.
- New equipment for instructional use and a mini-bus thru the ATEP.

## Added Linkages

- Establishment of linkage between the Philippine Rootcrop Research and Training Center with San Miguel Corporation by providing technical assistance in cassava processing.
- A Memorandum of Agreement signed between VISCA and Land Bank of the Philippines regarding the educational program for the families affected by CARP.
- Memorandum of Agreement between VISCA and DILG designating VISCA as an ILGA.
- Visit of JSPS scientists to VISCA on March 8, 1994 to explore possible research and development collaboration.



# Instruction

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As the designated Zonal Agricultural University of the Visayas, VISCA plays a vital role in advancing knowledge in agriculture and rural development.

During the year, VISCA instituted the Agricultural Technology Program (ATEP) under the Graduate School with financial support from EDPITAF, reviewed and revised academic programs, and developed instructional materials.

## CURRICULUM DEVELOPMENT

### Graduate Program

- Revised some study guides in the field of agricultural education, agronomy, animal science, language teaching, and agricultural extension.
- Developed new study guides in the field of animal science, agricultural extension, agricultural economics, and plant protection.
- Instituted additional graduate courses in plant pathology.

### Undergraduate Program

- Curricular proposals reviewed by:

#### Academic Council

- Offering of BS Biology with majors in Marine Biology and Ecology.

#### Executive Committee

- Revisions of BS Agricultural Engineering, BS Food Technology, BS Home Economics and Home Economics Technician Course curricula.

#### Curriculum Committee

- Revisions of BS Forestry curriculum

- Reviewed and improved course outlines in agronomy and soil science.
- Revised the BSA major in Agricultural Economics curriculum to accommodate new courses in Ecology and Computer Science.
- The Department of Forestry and Department of Agricultural Education and Extension held review classes to prepare graduates for the Foresters' and Teachers' Board Examinations.
- The Department of Arts and Letters upgraded instructional materials in language, social science and humanities, and added English and Filipino courses to the BSA curriculum as mandated by DECS.
- The Department of Development Communication incorporated a computer course in its curriculum as mandated by TPAE.
- Updated course offerings and content coverage in horticulture to make them more relevant to the present horticulture industry.

### Secondary Education Program

- Effective SY 1994-1995, the New Secondary Education Curriculum was not offered to the incoming freshmen due to its absence of a legal mandate from the Board of Trustees. Thus, the agricultural science curriculum with 2 schemes has been followed by the incoming freshmen.



# CURRICULAR OFFERINGS

## I. Graduate Program

*(On-campus and Extramural)*

- A) Doctor of Philosophy with majors in:
  - a) Entomology
  - b) Plant Pathology
- B.1) Master of Science (MS) with majors in:
  - a) Agricultural Economics
  - b) Agricultural Education
  - c) Agricultural Extension
  - d) Agronomy
  - e) Animal Science
  - f) Development Communication
  - g) Entomology
  - h) Horticulture
  - i) Language Teaching
  - j) Plant Pathology
  - k) Plant Protection
  - l) Soil Science
  - m) Weed Science
- B.2) Master of Science (MS) with minors in:
  - a) Ag. Botany
  - b) Plant Breeding
- C.1) Master of Agricultural Development  
(M. Ag. Dev.) with majors in:
  - a) Agricultural Economics
  - b) Agricultural Education\*
  - c) Agricultural Extension.\*
  - d) Ag. Technology Education
  - e) Agronomy\*
  - f) Animal Production\*
  - g) Development Communication
  - h) Entomology
  - i) Language Teaching\*
  - j) Plant Pathology
  - k) Plant Protection
- C.2) Master of Agricultural Development  
(M. Ag. Dev.) with minor in:
  - a) Dev. Communication\*

\* Courses also offered extramurally

## II. Undergraduate Program

- 1) Doctor of Veterinary Medicine (DVM)
- 2) Bachelor of Science in Agribusiness (BSAB)
- 3) Bachelor of Science in Home Economics (BSHE)  
with majors in:
  - a) Elementary Teaching
  - b) Extension
  - c) Secondary Teaching
- 4) Bachelor of Science in Forestry (BSF)
- 5) Bachelor of Science in Agriculture (BSA)  
with majors in:
  - a) Agricultural Botany
  - b) Agricultural Economics
  - c) Agronomy
  - d) Horticulture
  - e) Plant Breeding
  - f) Plant Protection
  - g) Soil Science
- 6) Bachelor of Science in Statistics (BSS)
- 7) Bachelor of Science in Agricultural Chemistry (BSAC)
- 8) Bachelor of Science in Food Technology (BSFT)
- 9) Bachelor of Science in Development Communication (BSDC) with majors in:
  - a) Broadcasting
  - b) Journalism
- 10) Bachelor of Science in Agricultural Development (BSAgDev) with major in:
  - a) Ag. Extension
- 11) Bachelor of Animal Science (BAS) with majors in:
  - a) Animal Health
  - b) Animal Production
- 12) Bachelor of Science in Agricultural Education (BSAgEd) with majors in:
  - a) Teaching Agriculture in Elem. Schools
  - b) Crop Production
  - c) Animal Production
- 13) Bachelor of Science in Agricultural Engineering (BSAE)

## III. Non-Degree Program

- 1) Forest Ranger Course
- 2) Home Econ. Tech. Course

## IV. Secondary Education Program

- 1) Agricultural Science Curriculum



## ENROLMENT PROFILE

- VISCA continued administering the VISCA Entrance Scholarship Test in various schools within Visayas and Mindanao. A total of 1,102 students took the test.
- College enrolment increased by 10.72 percent for SY 1994-1995.
- Enrolment reached 3,180 or 9.5 percent higher than the last year's enrolment of 2,904 students.
- The undergraduate degree program recorded an increase of 16.15 percent while the graduate school had an increase of 3.55 percent. A significant increase of 20 percent in freshmen enrolment for undergraduate degree programs can be noted in Table 1.
- The highest number of enrollees registered under the BS in Agriculture (477), followed by the Bachelor of Animal Science (292) and BS in Agribusiness (285).
- The extramural or off-campus study program of VISCA catered to the needs of workers and non-workers in various parts of the Visayas and Mindanao. Enrolment in this program increased by 7.18 percent in 1994 (Table 1).
- Enrolment of non-degree courses decreased due to the abolition of the NCEE which encouraged students to enrol for a degree program.
- In the secondary education program, the VISCA Laboratory High School (VLHS), enrolment has been limited to 400 students after converting the former Experimental Rural High School into a laboratory school. Enrolment is limited only to 100 students per year level. However, during the year it admitted 103 freshmen students to give allowance for dropouts.

Table 1. Comparison of enrolment data, first semester only for SY 1993-94 and SY 1994-95.

| Program                    | First Semester Only |         | Diff. | Percentage (%) |
|----------------------------|---------------------|---------|-------|----------------|
|                            | 1993-94             | 1994-95 |       |                |
| A. Graduate Program        |                     |         |       |                |
| Doctor of Philosophy       | 3                   | 7       | 4     | 133.33         |
| Master of Science          | 102                 | 120     | 18    | 17.65          |
| Master of Ag. Devt.*       | 233                 | 220     | -13   | (5.58)         |
| Dip. in Ag. Tech. Ed.      | 0                   | 3       | 3     | 0.00           |
| Sub-total                  | 338                 | 350     | 12    | 3.55           |
| B. Undergraduate Program   |                     |         |       |                |
| BSA                        | 398                 | 477     | 79    | 19.85          |
| BSAg. Ed.                  | 232                 | 215     | -17   | (7.33)         |
| BSAg. Dev.                 | 115                 | 151     | 36    | 31.30          |
| BSHE                       | 159                 | 156     | -3    | (1.89)         |
| BSDC                       | 72                  | 110     | 38    | 52.78          |
| BSAB                       | 232                 | 285     | 53    | 22.84          |
| BSAE                       | 140                 | 149     | 9     | 6.43           |
| BSS                        | 83                  | 102     | 19    | 22.89          |
| BSAC                       | 32                  | 38      | 6     | 18.75          |
| BSFT                       | 39                  | 69      | 30    | 76.92          |
| BSF                        | 247                 | 264     | 17    | 6.88           |
| BAS                        | 239                 | 292     | 53    | 22.18          |
| DVM                        | 0                   | 1       | 1     | 0.00           |
| Sub-total                  | 1,988               | 2,309   | 321   | 16.15          |
| C. Non-degree Program      |                     |         |       |                |
| FRC                        | 128                 | 111     | -17   | (13.28)        |
| HETC                       | 102                 | 60      | -42   | (41.18)        |
| Sub-total                  | 230                 | 171     | -59   | (25.65)        |
| Total (College)            | 2556                | 2,830   | 274   | 10.72          |
| D. Secondary Educ. Program |                     |         |       |                |
| First Year                 | 99                  | 100     | 1     | 1.01           |
| Second Year                | 86                  | 93      | 7     | 1.17           |
| Third Year                 | 80                  | 81      | 1     | 1.25           |
| Fourth Year                | 83                  | 76      | -7    | (8.43)         |
| Total (High School)        | 348                 | 350     | 2     | 0.57           |
| Grand Total                | 2,904               | 3,180   | 276   | 9.50           |

\* Including extramural students



# SCHOLASTIC ACHIEVEMENT

## Graduate Program

- During the 41st Commencement Exercises in 1994 Senator Raul Roco braved the typhoon to address 300 VISCA graduates.
- A total of 26 graduate students received their diplomas (9 M.S. and 17 M.Ag.Dev).

## Undergraduate Program

- Out of the 237 students who finished their degree courses, 9 got *cum laude* honors and 37 students graduated from the two-year courses.

Table 2. Number of graduates in 1994.

| Program                       | Number |
|-------------------------------|--------|
| <b>Graduate Programs</b>      |        |
| Master of Science             | 9      |
| Master in Ag. Dev.            | 17     |
| DATE                          | 0      |
| <i>Sub-total</i>              | 26     |
| <b>Undergraduate Programs</b> |        |
| BS Agriculture                | 39     |
| BS Ag. Education              | 28     |
| BS Ag. Development            | 12     |
| BS Home Economics             | 33     |
| BS Development Comm.          | 9      |
| BS Agribusiness               | 33     |
| BS Ag. Engineering            | 6      |
| BS Statistics                 | 10     |
| BS Ag. Chemistry              | 4      |
| BS Food Tech.                 | 3      |
| BS Forestry                   | 36     |
| BS Animal Science             | 24     |
| <i>Sub-total</i>              | 237    |
| <b>Two Year Course</b>        |        |
| Forest Ranger Certificate     | 13     |
| Home Economics Technician     | 24     |
| <i>Sub-total</i>              | 37     |
| <b>Total (College)</b>        | 300    |
| <b>Secondary Education</b>    |        |
| Ag. Science Curriculum        | 46     |
| New Sec. Ed. Curriculum       | 37     |
| <i>Total (High School)</i>    | 83     |
| <b>Grand Total</b>            | 383    |

## Secondary Education Program

- A total of 83 high school students graduated with 2 of them receiving "With High Honors" (as valedictorian and salutatorian) and 10 of them receiving "With Honors." The twelve top ranking students came from the agricultural science curriculum.
- Of the total high school enrolment, 41.71 percent are scholars with 6.28 percent as honorific, 4.57 percent full and 30.85 percent partial. Of the 108 partial scholars, 81 belong to the agricultural science curriculum and 27 from the NSEC.

## BOARD EXAM PERFORMANCE

- Successful examinees in the 1994 Professional Board/Licensure Examinations

### A. Professional Board Examination for Teachers

- |                         |                           |
|-------------------------|---------------------------|
| 1. Erlu T. Alvarez      | 7. Rodolfo F. Felicilda   |
| 2. Mary Joey L. Briones | 8. Filipina T. Morona     |
| 3. Marissa S. Cagande   | 9. Daisymay G. Perido     |
| 4. Lourdes J. Calungsud | 10. Segundina P. Piamonte |
| 5. Glenn Dale F. Doit   | 11. Nelita A. Runa        |
| 6. Alma E. Espinosa     | 12. Rosalina P. Urdaneta  |

### B. Professional Board Examinations for Foresters

- |                            |                           |
|----------------------------|---------------------------|
| 1. Armando C. Bebanco      | 8. Lucio T. Gono          |
| 2. Sheila B. Bebanco       | 9. Wilfredo L. Lacambra   |
| 3. Marissa T. Canona       | 10. Dorinda B. Legion     |
| 4. Evelyn T. Colis         | 11. Neil R. N. Mendoza    |
| 5. Mandione R. delos Reyes | 12. Daniel L. Notarte     |
| 6. Raquel D. Ecito         | 13. Renato A. Soria       |
| 7. Rosela T. Endriga       | 14. Tomas T. Tabunan, Jr. |

### C. Professional Board Examination for Agricultural Engineers

1. German V. Abihay - 3rd place
2. Luisito B. Sacay



## FACULTY STRENGTH AND DEVELOPMENT

- VISCA's instruction program is manned by competent faculty composed of 76 Ph.D. degree holders, 119 Master's degree and 36 Baccalaureate degree holders.
- A total of 31 faculty members pursued advanced studies ( 26 for Ph.D. degree and 5 for masteral degree) in various universities of the country and abroad such as: University of the Philippines (Diliman and Los Baños), University of Germany, Iwate University and Nagoya University of Japan, Clemson University of South Carolina, Kansas University of USA, Wageningen University of Netherlands, University of Hohenheim, Germany, University of Reading in Beshire England, Purdue University of Indiana, USA, Albert- Ludwigs University of Germany, University of Idaho, Louisiana State University and Lincoln University of New Zealand. VISCA and other sponsoring agencies such as New Zealand Bilateral Program, GTZ, IDRC, Monbusho, Fulbright, Methodist Hunger World Scholarship and other universities provide financial support or assistantship to the scholars.
- As part of faculty and staff development, VISCA has encouraged staff attendance in various trainings and seminar-workshops to update them on new developments in their specific fields of specialization. In Table 3 the staff attended a total of 303 trainings, 39 international, 107 national, 67 regional and 90 local .
- Of the 39 international trainings attended by faculty and staff 35 were held outside the country supported by various international agencies (Table 4).

Table 3. Number of trainings attended by the faculty and staff as of December 31, 1994.

| Dept./Center                   | NO. OF TRAININGS ATTENDED |          |          |               |
|--------------------------------|---------------------------|----------|----------|---------------|
|                                | Local                     | Regional | National | International |
| <b>A. Academic Departments</b> |                           |          |          |               |
| Ag. Chem. & Food Sci.          | 6                         | 2        | 10       | 5             |
| Ag. Econ. & Agrib.             | 3                         | 3        | 2        | 0             |
| Ag. Ed. & Ext.                 | 0                         | 6        | 5        | 0             |
| Ag. Eng'g. & App. Math         | 11                        | 7        | 1        | 0             |
| Agron. & Soil Sci.             | 3                         | 2        | 0        | 2             |
| An. Sci. & Vet. Med.           | 0                         | 2        | 3        | 0             |
| Arts & Letters                 | 2                         | 7        | 5        | 0             |
| Forestry                       | 5                         | 0        | 3        | 1             |
| Home Science                   | 2                         | 2        | 5        | 0             |
| Horticulture                   | 3                         | 0        | 5        | 3             |
| Physical Education             | 3                         | 1        | 2        | 0             |
| Plant Brdg. & Ag. Bot.         | 1                         | 1        | 4        | 2             |
| Plant Protection               | 14                        | 12       | 24       | 6             |
| Dev. Communication             | 6                         | 0        | 2        | 6             |
| VLHS                           | 6                         | 6        | 2        | 2             |
| <i>Sub-total</i>               | 65                        | 51       | 73       | 27            |
| <b>B. Research Centers</b>     |                           |          |          |               |
| CSR                            | 7                         | 3        | 7        | 3             |
| GTZ                            | 11                        | 3        | 20       | 4             |
| FARMI                          | 0                         | 1        | 2        | 3             |
| NARC                           | 3                         | 7        | 1        | 0             |
| PRCRTC                         | 1                         | 1        | 2        | 2             |
| RCRC                           | 3                         | 1        | 2        | 0             |
| <i>Sub-total</i>               | 25                        | 16       | 34       | 12            |
| <b>Total</b>                   | 90                        | 67       | 107      | 39            |



Table 4. List of VISCA Faculty and Staff Members Who Attended International Trainings Abroad for CY 1994.

| Name            | Title of Training   | Date of Training   | Place of Training                 | Sponsoring Agency      |
|-----------------|---|--------------------|-----------------------------------|------------------------|
| Acabal, AD      | Attend 2nd Asia Pacific Food Analysis Workshop  | Sept. 12 - 16      | Brisbane, Australia               | APFAN                  |
| Acedo, VZ       | 2nd Int'l. Scientific Meeting of the Cassava Biotechnology Network (CBN) & Present a Paper on Meristem Culture  | Aug. 22 -26        | Indonesia                         | CBN                    |
| Acedo, AL Jr.   | 5th ASEAN Food Conference   | Jul. 23 - 31       | Malaysia                          | IFS                    |
| Alcober, DL     | CIIFAD Workshop in Integrated Watershed Analysis  | Sept. 25 - Nov. 30 | Cornell Univ.<br>New York         | CFTU/ CIIFAD           |
| Almendras, AS   | CSRIO Int'l Course on R & D Mgt.  | Nov. 20 - Dec. 2   | Australia                         | Crawford Fund for IAR  |
| Bacusmo, JL     | Attend & Present a Paper - MAFF Int'l. Workshop on Genetic Resources (Root & Tuber Crops)   | Mar. 3 - 14        | Tsukuba, Japan                    | NIAR                   |
| Balbarino, EA   | Joint IIED Action Aid Int'l. Workshop on New Horizons: The Economic, Social & Environmental Impacts of Participating Watershed Dev't.                     | Nov. 28 - Dec. 2   | Bangalore, India                  | IIED & ActionAid       |
| Bumatay, EC     | Agro-forestry Symposium   | Sept. 12 - Oct. 2  | China                             |                        |
| Capuno, OB      | Conservation & Utilization of Plant Genetic Resources   | Aug. 25 - Sept. 20 | Germany                           |                        |
| Dabuet, BS      | Reg'l Sem. on Com. Dev. & Conservation of Forest Biodiversity thru Com. Forestry  | Oct. 25 - 28       | Bangkok, Thailand                 | GTZ                    |
| Dagoy, FJ       | Reg'l Sem. on Com. Dev. & Conservation of Forest Biodiversity thru Com Forestry   | Oct. 25 - 28       | Bangkok, Thailand                 | GTZ                    |
| Escalada, MM    | 16th Session of the UNEP Panel on IPM Expert  | Apr. 22 - 30       | Rome, Italy                       | FAO                    |
|                 | Workshop on KAP Survey Module Dev.  | May 2-8            | USM, Parang Malaysia              | FAO                    |
|                 | Workshop on Message Design for a Campaign to Encourage Farmer Participation in Experimenting with Stopping Early Insecticide Application in South Vietnam | May 25 - 28        | PPD Ho Chi Minh City, Vietnam     | FAO                    |
|                 | Workshop on "Uses of KAP Survey Training Module"  | June 23 - Jul. 5   | Penang, Malaysia                  | USM                    |
|                 | Rice IPM Network Steering Committee Meeting   | July 4 - 6         | Bangkok, Thailand                 | IRRI                   |
| Escalante, MC   | CIIFAD Workshop in Integrated Watershed Analysis  | Sept. 25 - Oct. 15 | Cornell Univ.<br>New York         | CFTU                   |
| Ferraren, DO    | Documentation Trng. for Genebank Managers & Documentation Staff   | Aug. 22 - Sept. 9  | Kuala Lumpur, Malaysia            | IPGRI                  |
| Gabunada, FG    | Southeast Asian Reg'l. Forage Seeds Proj.   | Oct. 23 - 28       | Indonesia                         | FSP                    |
| Galinato, GJ    | Training on Materials for Irrigation Management   | Jan. 25 - 28       | Germany                           |                        |
| Gerona, GR      | Present a Paper on Tuber Crop Production & Utilization  | Sept. 5 - 7        | Kauntan, Malaysia                 | MARDI                  |
| Milan, PP       | Int'l. Conference on Tropical Limnology   | July 4 - 8         | Salitaga, Central Java, Indonesia | GTZ                    |
|                 | Reg'l. Sem. on Com. Dev't. & Conservation of Forest Bio-Diversity   | Oct. 25 - 28       | RECOFTC, Thailand                 | GTZ                    |
| Modina, AP      | Agriculture Category of Japan Friendship program for the 21st Century   | June 15 - Jul. 14  | Japan                             | Gov't. of Japan        |
| Palomar, LS     | 5th ASEAN Food Conference   | July 26 - 29       | Kuala Lumpur, Malaysia            | IFS                    |
|                 | 2nd ASEAN Conf. on Food Safety  | Sept. 18 - 23      | Thailand                          | CIDA                   |
|                 | ICFP/ISTRC Symposium  | Nov. 7 - 23        | Salvador, Bahia, Brazil           | IFS                    |
|                 | Observe Food Proc. Plants & Visit IFS Office  | Nov. 23 - 28       | Sweden, London                    | IFS                    |
| Pardales, JR    | Conduct Research Related to Drought Resistance in Sweet Potato and Cassava  | Nov. 1 - 30        | Japan                             | Japanese Gov't.        |
| Presbitero, AL  | ACIAR Annual Project Meeting  | Apr. 21 - May 1    | Malaysia                          | ACIAR                  |
| Quevedo, MA     | 10th Int'l Society for Tropical Rootcrops Symposium   | Nov. 13 - 19       | Salvador, Bahia, Brazil           | ISTRC                  |
| Roa, JR         | Int'l. Sem. on Subsistence & Sustainability Dev't. in Developing Countries  | July 11 - 15       | Indonesia                         | IDRC                   |
|                 | Int'l. Symposium on Systems Oriented Res. in Ag. & Rural Dev.   | Nov. 21 - 25       | Montpellier, France               | Dutch Min. of Agric'l. |
| Tabada, WM      | Int'l. Workshop on Computers and Automation in Agriculture  | Apr. 20 - May 11   | CIADC, Israel                     | Embassy of Israel      |
| Villacarlos, LT | Int'l. Network for Leucaena Res. & Dev't. Workshop  | Jan. 24 - 29       | Bogor, Indonesia                  |                        |



# Awards and Achievements of Faculty, Staff and Students

During the year, VISCA's faculty, staff and students received various awards from different occasions as reflected in Table 5.

Table 5. List of faculty, staff and students who received awards and special recognition for CY 1994.

| Department/Name  | Nature of Award/<br>Achievement or<br>Recognition                          | Remarks   |
|--|--|---|
| <b>Department of Ag. Chem. &amp; Food Science:</b>             |  |   |
| Dr. Lutgarda S. Palomar  | First Prize- Silver Award<br>(Regional Level)                              | Outstanding Applied Research<br>VICARP Regional R & D Symposium<br>June 24, 1994          |
|  | Second Place<br>Best Paper Award<br>(National Level)                       | Best R & D Paper Research Category, PCARDD<br>Nov. 11, 1994                               |
|  | First Runner-up<br>Best Poster Award<br>(International Level)              | International Society for Tropical Root Crops<br>Bahia, Salvador, Brazil<br>Nov. 18, 1994 |
| <b>Department of Animal Science &amp; Veterinary Medicine:</b> |  |   |
| Dr. Wilfredo F. Floresca                                       | Outstanding Teacher in<br>Animal Science<br>(Regional Level)               | 12th PSAS-Visayas Convention, June 16-17, 1994  |
| Dr. Oscar B. Posas   | Outstanding Researcher<br>in Animal Science<br>(Regional Level)            | - do -  |
|  | First Place<br>Best Paper Award<br>An. Prod. Category<br>(Regional Level)  | - do -  |
| Dr. Eugene B. Lañada<br>and Ms. Julie Clarissa F. Colis        | First Place<br>Best Paper Award<br>An. Health Category<br>(Regional Level) | - do -  |



Table 5. Continued ...

| Department/Name   | Nature of Award/<br>Achievement or<br>Recognition                          | Remarks   |
|---|--|---|
| Dr. Eugene B. Lafiada                                       | Second Place<br>Best Paper Award<br>An. Prod. Category<br>(Regional Level) | - do -  |
| Prof. Fe C. Evangelio                                       | Third Place<br>Best Paper Award<br>An. Prod. Category<br>(Regional Level)  | - do -  |
| Dr. Alberto A. Taveros                                      | Third Place<br>Best Paper Award<br>An. Health Category<br>(Regional Level) | - do -  |
| <b>Department of Plant Breeding and Agricultural Botany</b> |  |   |
| Dr. Othello B. Capuno                                       | Certificate of Recognition   | Radio Station DYAC, ViSCA, Baybay, Leyte  |
| <b>Department of Plant Protection</b>                       |  |   |
| Dr. Ruben Gapasin<br>(Adviser)                              | 4th Place<br>(Local Level)   | Student Research Project, Science Fair (High School Level)  |
| Dr. Manuel K. Palomar                                       | 1994 Distinguished<br>Alumnus Award for<br>Agricultural Research           | UPLBCA Alumni Association<br>October, 1994.   |
| Dr. Rodolfo A. Paningbatan<br>(Adviser)                     | 1st Place<br>(Local & Regional Levels)                                     | Student Research Project, Science Fair (High School Level)  |
|   | SIBOL Award<br>(National Level)  | Research Project Adviser, National Sibol Award on Student Research, Manila, July 1994 (High School Level)                       |
| <b>Radio Station DYAC</b>                                   | Plaque of Appreciation   | LEYECO IV, 14th Annual Assembly, June 25, 1994  |
|   | Certificate of Appreciation  | Cooperative Development Authority, July 31, 1994<br>PSAS, Visayas, June 17, 1994<br>Junior Chamber of the Phils., Nov. 27, 1994 |
| <b>Farm and Resource Management Institute</b>               |  |   |
| Dr. Edwin A. Balbarino                                      | Outstanding Extension<br>Project - Silver Category<br>(Regional Level)     | 6th Regional R and D Symposium Highlights, June 24, 1994  |



Table 5. Continued ...

| Department/Name  | Nature of Award/<br>Achievement or<br>Recognition     | Remarks   |
|--|---|---|
| Dr. Edwin A. Balbarino   | Third Place<br>Extension Category<br>(National Level) | National Symposium in Agriculture and Resource<br>Research and Development, 22nd PCARRD<br>Anniversary,<br>Nov. 10-11, 1994 |
| Dr. Dolores L. Alcober   | Visiting Fellow                                       | Cornell University, September 22- Nov. 30, 1994   |
| <b>Phil. Root Crop Research and Training Center</b>                              |   |   |
| Dr. Jose R. Pardales   | Visiting Scientist                                    | Nagoya University, Nagoya, Japan  |
|  | Scientific Adviser                                    | International Foundation for Science,<br>Stockholm , Sweden   |
| <b>Department of Development Communication</b>                                   |   |   |
| Dr. Wolfreda C. Alesna   | Plaque of Recognition                                 | Region Eight Applied Communication Task Force<br>(REACTF)   |
| Gay Canada<br>(Student)  | First Place<br>Feature Writing<br>(Regional Level)    | Tertiary Schools Press Conference, Candahug, Palo,<br>Leyte   |
| Alex Tablate<br>(Student)  | Second Place<br>Photojournalism<br>(Regional Level)   | -do-  |
| <b>VISCA Laboratory High School</b>  |   |   |
| Joane Karen Israel   | Second Place<br>(Regional Level)                      | Regional Statistics Quiz, Tacloban City<br>Oct. 12, 1994  |
| Domingo Camay, Lois Montes<br>and Imma Lee Pua                                   | First Place<br>(Local Level)                          | VISCA Environmental Quiz Show<br>September 14, 1994   |
| Jennifer Dumaguig  | First Place<br>(Regional Level)                       | Declamation, Cassava Pith, & Necklace-Making<br>Regional FFP/FAHP Convention, UEP, Samar<br>Dec. 7-10, 1994                 |
| Maricor Batoy  | Second Place<br>(Regional Level)                      | Oration, Regional FFP/FAHP Convention<br>UEP, Samar   |
| Math & Sci. Society  | First Place<br>(Regional Level)                       | GAWAD Agkatek, Regional, DOST<br>Tacloban City, Sept. 1994  |
| Bethzaida Noriel<br>Rosa Celesta Alera<br>Joane Karen Israel<br>Ivy Capangpangan | First Place<br>(National Level)                       | National SIBOL Award on Student Research<br>Manila, July 1994   |



Table 5. Continued ...

| Department/Name                                       | Nature of Award/<br>Achievement or<br>Recognition | Remarks  |
|---|---|--|
| Minette Capacio<br>Grace Galinato<br>Law Modina       | Second Place<br>Level IV<br>(Division Level)      | Division Math Olympiad, DECS<br>Palo, Leyte<br>Aug. 24, 1994 |
|   | Third Place<br>Level IV<br>(Regional Level)       | Regional Math Olympiad<br>SNS Samar, Nov. 23-25, 1994        |
| Ma. Dolette Gonzal<br>Rose Amar<br>Dominic Villamayor | First Place<br>Level III<br>(Division Level)      | Division Math Olympiad, DECS<br>Palo, Leyte<br>Aug. 24, 1994 |
| Joane Karen Israel<br>Law Modina                      | First Place<br>(Division Level)                   | Division Statistics Quiz<br>LIT, Tacloban, Sept. 30, 1994    |
| Richie Nuevo<br>Michelle Solamo                       | First Place<br>(Local Level)                      | DYAC Kiddie Goodie Show<br>Quiz Bowl, VISCA Dec. 3, 1994     |
| Ma. Dolette Gonzal<br>Pia Noriel                      | Third Place<br>(Local Level)                      | DYAC Kiddie Goodie Show<br>Quiz Bowl, VISCA Dec. 3, 1994     |



# Research and Development

During the year, VISCA implemented a total of 204 projects. Table 6 categorizes these into ongoing, completed, and new. Philippine Root Crop Research and Training Center (PRCRTC) implemented 30 percent of the total projects, 13.7 percent by the Farm and Resource Management Institute (FARMI), 10 percent by the Department of Plant Protection (DPP) and 7.4 percent by the National Abaca Research Center (NARC).

A total of 19 technologies from the different research and development projects have been identified for dissemination during the In-House Review and Evaluation. Of these, 10 were identified for researchers and 5 for farmers.

In 1994, abaca emerged as the flagship commodity in the region. The Abaca Industry Integrated Program (AIIP) for Region 8 presented by the National Abaca Research Center of VISCA got favorable endorsement by the Regional Development Council to the NEDA Public Investment Staff for Overseas Development Assistance (ODA) funding. The first launching of the program took place in Maasin, Southern Leyte in September 1994.

## Financial Resources

Research projects are funded by the government through VISCA, other local funding agencies, and foreign agencies. A total direct cost of research and development projects amounted to P18,280,034.00 (Table 7). GTZ spent the biggest amount for R and D (Fig.3).

Table 7 gives the various funding sources of VISCA's research and development activities.

Table 6. Number of research studies implemented for CY 1994.

| Commodity              | New       | Ongoing    | Completed | Total      | Percent      |
|------------------------|-----------|------------|-----------|------------|--------------|
| Abaca and Fiber Crops  | -         | 14         | 1         | 15         | 7.4          |
| Agricultural Eng'g.    | 1         | 1          | 1         | 3          | 1.5          |
| Applied Comm.          | -         | -          | 1         | 1          | 0.5          |
| Coconut and Palm Oil   | 1         | 12         | 1         | 14         | 6.9          |
| Ecosystem              | 2         | 7          | 3         | 12         | 5.9          |
| Farming Systems        | 6         | 12         | 7         | 25         | 12.3         |
| Fisheries              | -         | 1          | -         | 1          | 0.5          |
| Forage and Pasture     | 2         | 3          | -         | 5          | 2.5          |
| Forestry               | 2         | 2          | -         | 4          | 2.0          |
| Fruits and Fruit Trees | 2         | 2          | -         | 4          | 2.0          |
| Medicinal Plants       | -         | 1          | 2         | 3          | 1.5          |
| Others                 | -         | 2          | 1         | 3          | 1.5          |
| Poultry & Livestock    | -         | 4          | -         | 4          | 2.0          |
| Rice, Corn & Cereals   | -         | 11         | 4         | 15         | 7.4          |
| Root Crops             | 7         | 58         | 7         | 72         | 35.3         |
| Rural Sociology        | 3         | -          | 3         | 6          | 2.9          |
| Socioeconomics         | -         | 2          | 1         | 3          | 1.5          |
| Soil & Water Resources | 3         | 4          | -         | 7          | 3.4          |
| Vegetables             | -         | 4          | 3         | 7          | 3.4          |
| <b>Total</b>           | <b>29</b> | <b>140</b> | <b>35</b> | <b>204</b> | <b>100.0</b> |

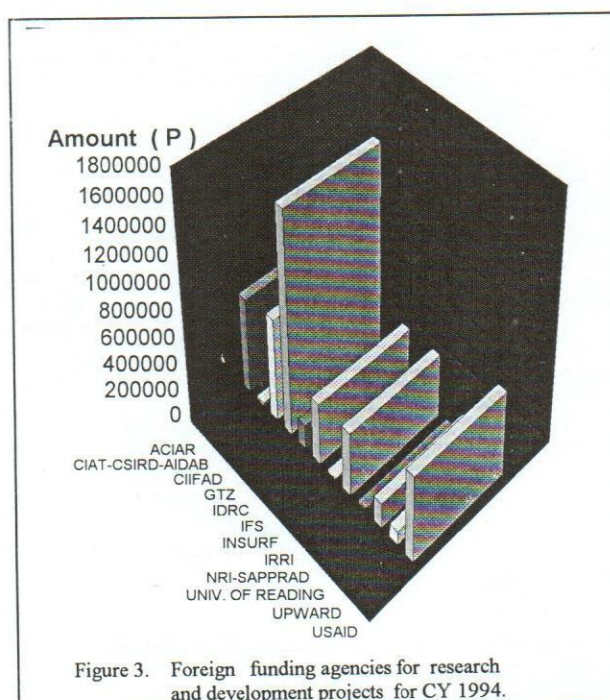
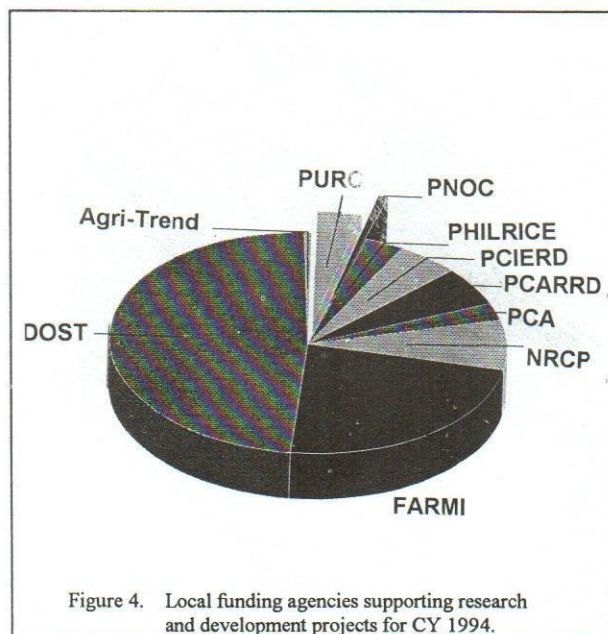


Figure 3. Foreign funding agencies for research and development projects for CY 1994.



Table 7. Local and foreign R and D funding sources for CY 1994.

| Funding Agency         | Amount     | Percentage |
|------------------------|------------|------------|
| I. VISCA (Direct Cost) | 11,220,360 |            |
| II. Local              |            |            |
| AGRI-TREND Resources   | 10,000     | 0.5        |
| DOST                   | 924,225    | 48.3       |
| FARMI Trust            | 444,913    | 23.3       |
| NRCP                   | 138,000    | 7.2        |
| PCA                    | 48,385     | 2.5        |
| PCARRD                 | 109,346    | 5.7        |
| PCIERD                 | 96,075     | 5.0        |
| PHILRICE               | 55,000     | 2.9        |
| PNOC                   | 16,000     | 0.8        |
| PURC                   | 69,960     | 3.7        |
| <i>Sub-Total</i>       | 1,911,904  | 100.0      |
| III: Foreign           |            |            |
| ACIAR                  | 705,240    | 13.7       |
| CIAT/CSIRO/AIDAB       | 20,000     | 0.4        |
| CIIFAD                 | 755,681    | 14.7       |
| GTZ                    | 1,631,598  | 31.7       |
| IDRC                   | 175,539    | 3.4        |
| IFS                    | 453,894    | 8.8        |
| INSURF                 | 12,000     | 0.2        |
| IRRI                   | 465,555    | 9.0        |
| NRI-SAPPRAD            | 23,000     | 0.4        |
| University of Reading  | 180,803    | 3.5        |
| UPWARD                 | 95,000     | 1.8        |
| USAID                  | 629,460    | 12.2       |
| <i>Sub-Total</i>       | 5,147,770  | 100.0      |
| <i>Total</i>           | 18,280,034 |            |



## New Root Crop Variety Developed

- The National Seedboard Industry Council approved a new ubi variety named, PSB BU-4 (Binato Glan) developed by PRCRTC. This new variety with a cream flesh came from the yam germplasm collection with the code LA-242 collected from Cotabato. It has an average yield of 17.25 tons/hectare, 36.3 percent dry matter content and leaf spot and blight resistance.

## Mature Technologies for Dissemination

Technical departments and research centers identified the following mature technologies for dissemination:

### Department of Animal Science and Veterinary Medicine

- The use of root crops in various animal feed formulations
- The use of upgraded rams for improved sheep production
- The use of AI in upgrading swine and large ruminants (carabao and cattle)
- Improved pasture species of grasses and legumes for ruminant feeding
- Improved housing system for small ruminants (goat and sheep)
- Silage-making
- Urea-Molasses-Mineral Block (UMMB) as ruminant feed supplement

### Department of Forestry

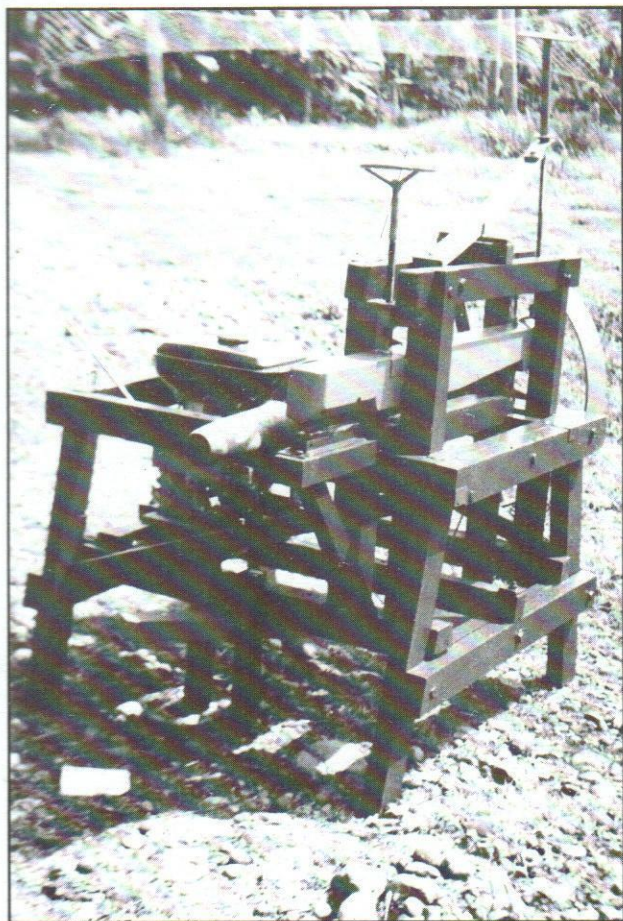
- Agroforestry system technologies
- Tree-farming and reforestation technologies



## National Abaca Research Center (NARC)

- Portable engine-powered abaca spindle stripping machine

This is a portable machine which can be carried in a trailer pulled by a jeep/pick-up or attached to a sled pulled by a carabao. It can be dismantled into different parts which 4 persons can carry. It has replaceable blades for variable quality and output. Its unique feature is the utilization of leafspring as the source of pressure.



Portable engine-powered abaca spindle stripping machine

## Department of Horticulture

- Pole Sitao (CSL-14)

Characteristics of pole sitao are: yields 11 tons per hectare on the average; flowers 38 days after planting; matures after 48 days; adaptable to wet and dry seasons; light green pods measure 58.5 cm; and moderately resistant to diseases.

## Philippine Root Crop Research and Training Center (PRCRTC)

- Rootcrop flour grinder

This is a modification of existing attrition grinders available in the market, specifically the hand corn mill and the Almeda grinder. Overall performance compares with the Almeda Grinder, costing half its price.

- Root crop flour finisher

This machine separates the coarse from the fine flour after milling operation of the dried chips. It has 3 basic components: the finishing assembly, the frame and cover, and the power transmission elements.

- Pedal -operated and motorized rootcrop chipping machine

This chipper/grater works like a bicycle. It has a chipping and grating capacities using sweet potato and cassava of 500 and 116 kg. of roots per hour.

The operating principle of the motorized chipping machine is similar to the pedal- operated chipping machine, except for the source of power and replacement of grater blade. It can continuously chip at a capacity of about 1 ton per hour.

- Chipper machine for village level cassava flour processing



## Department of Agricultural Chemistry and Food Science (DACFS)

- Improved cassava cookie formulations

Ten formulations of cassava cookies consisting of different blends of cassava flour, wheat flour and cassava starch readily await dissemination. Packaged in PE-bags, the cookies appear golden brown and weigh 85 grams.

- New and improved carabeef products

Corned carabeef and carabeef tapa have been developed. These can be stored either frozen or dried.

## Potential Technologies

Technologies with strong potential for dissemination and adoption included the following:

1. Distal eyebud as better source of planting material for abaca.
2. Use of fungi to control corm weevil.
3. Portable field tensile strength meter.
4. Portable moisture meter.
5. Ethanol treatment of stored vegetables
6. Fungi nematocidal effect
7. New RCRC-developed coconut hybrids
8. Recommended planting depth for coconuts
9. Organic and inorganic fertilization in rainfed cropping pattern.
10. Processing machine for Matalom limestone.
11. Hapi-hapi as control method against cogon (for verification)
12. Sustainable indigenous crop fallow systems (for verification)

## Research Awards

During the Regional R and D Symposium in July 1994, VISCA won the following awards:

### Outstanding Applied Research (Silver Category)

#### First Prize Winner

*"Optimization of Cookies Containing Wheat Flour, Cassava Flour and Cassava Starch Using Mixture Response Surface Methodology"* by Dr. Lutgarda S. Palomar, Ms. Dalia D. Atok, Dr. Ramon S. Laguna and Prof. Remberto A. Patindol

#### Second Prize Winner

*"Development of a Portable Engine - Powered Abaca Spindle Stripping Machine"* by Engr. Feliciano G. Sinon, Engr. Manolo Loreto and Mr. Basilio Madula, Jr.

## Acknowledged Expertise

The Nagoya University in Nagoya, Japan appointed Dr. Jose R. Pardales, Jr. as Visiting Scientist in 1994 with the collaborative research entitled *"Investigation into the Drought Resistance Mechanism of Sweet Potato and Cassava."* In addition, the International Foundation for Science, Stockholm, Sweden appointed him Scientific Adviser.

## Manpower Resources

One hundred twelve researchers conducted research projects during the year with assistance from 267 contractual and casual personnel.

## Linkages

Research and development linkages with local and foreign agencies continued. During the year, VISCA worked with 10 line government agencies and 12 foreign institutions/organizations. Through these linkages 80 research projects were implemented.



# Extension

A total of 14 integrated extension programs/projects were implemented. These included demonstration farm, participatory community organizing, development projects, trainings, technology exhibits and garden shows, distribution of printed materials, farmers consultation/demonstration, radio programs, and slide shows.

## Extension Project Award

VISCA got the **Most Outstanding Extension Award**, Silver Category during the Regional R and D Symposium in July 1994 through the extension project entitled, *"Soils and Water Conservation Project in Matalom, Leyte, Philippines"* by Edwin A. Balbarino.

Dr. Balbarino of FARM I implemented the project in Matalom, Leyte from 1991 to 1994 to promote the adoption of contour hedgerow and other soil and water conservation technologies in converting highly eroded sloping uplands into a more productive and sustainable hillside/highland farms. After two and a half years of organizing and teaching farmers the different techniques of soil and water conservation, the project with the participation of the farmers through alayon managed to contour 320 farms with a total hedgerow length of 81,589 meters. The success of the project provides insight for groups to adopt the strategies/techniques introduced by the Project in Matalom, Leyte.

## Extension Projects and Activities

### Barangay Integrated Development For Nutrition Improvement

As of 1994, the project entitled "Sustainability of the Barangay Integrated Development Approach for Nutrition Improvement (BIDANI)" delivered extension services to 33 barangays in Leyte (25 in Baybay, 3 in Bato, 3 in Hilongos, and 2 in Matalom). The study is jointly implemented by UPLB, VISCA, other cooperating agencies in the region and target municipalities.

### Trainings

Centers/Departments (Table 8) provided trainings to almost 4,000 clientele from the different municipalities in Leyte, So. Leyte, Samar, Surigao and Bicol. Training participants included farmers, rural women, technicians from line agencies, local officials, researchers, and students.



Farm and Resource Management Institute (FARM I)



Table 8. Number of trainings conducted by the different Centers/Departments for CY 1994.

| Center/Dept. | Trainings Conducted  | No. of Trainees |
|--------------|--|-----------------|
| BIDANI       | Nata de coco production, formulating development plan, soap and dress making, value orientation, nutrition rehabilitation, accounting and bookkeeping, bamboo handicrafts, and safety food preparation           | 816             |
| CSR          | Indigenous knowledge, environmental advocacy, nata de coco production, swine and ubi production, planning and skills training  | 370             |
| FARMI        | Soil and water conservation, integrated forestry, compost making and sustainable agriculture   | 399             |
| GTZ          | Vegetable gardening, nata de coco production, accounting, entrepreneurial skills development, ubi and swine production, planning and leadership  | 635             |
| NARC         | Abaca production and utilization and handicraft making   | 387             |
| ODREX        | Soil fertility, nata de coco production, coco charcoaling, ornamental and vegetable production   | 167             |
| PRCRTC       | Root crop processing, utilization and marketing, and entrepreneurial development   | 447             |
| RCRC         | Coconut and nata de coco production, cultural management and charcoal-making   | 127             |
| VISCA-ANEC   | Ricehull-fueled cookstove fabrication and windmill technology  | 52              |
| DAC-FS       | Rootcrops and coconut processing, and nata de coco production  |                 |
| DAEA         | Record keeping, cooperatives and feasibility study preparation   |                 |
| DASS         | Technology investment, map reading, planning, soil sampling and analysis, contour hedgerows, peanut production, fertilizer usage, cereal, soybean and rootcrop production, rhizobium and mycorrhizal inoculation | 169             |
| DASVM        | Animal diseases and management, feedmill operation and feedlot fattening   |                 |
| DHS          | Garment sewing, dressmaking skills, bamboo craft and nutrition rehabilitation  |                 |
| DOF          | Agroforestry and reforestation   |                 |
| DOH          | Ornamental and vegetable production and coop development   | 170             |
| DPE          | First-Aid, dance, swimming and life saving, basketball officiating   |                 |
| VLHS         | Recycling of waste products, utilization of indigenous materials and herbal medicine   |                 |



## Exhibits and Participation in Agro Fairs

ODREX coordinated VISCA's participation in 10 exhibits/agro fairs showcasing VISCA's developed technologies as operationalized by research centers and departments.



Office of the Director of Research and Extension (ODREX)

## Clientele/Technical Consultations with Demonstration

Some 3,000 clientele in the region, mostly from Leyte were attended to during technical consultations. Clientele groups visited the concerned Center/Department, attended seminars and trainings, and invited/requested consultants to visit their areas or fields.

## Other Extension Services Delivered

### Distribution of Technoguides and Other Printed Materials

Different technoguides and reading materials on root crop, coconut, abaca, vegetable, cultural management practices reached the different clientele.

### Radio Program

NARC, RCRC, ANEC, BIDANI and DASVM developed extension programs on abaca, coconut, nonconventional energy, nutrition improvement and swine respectively, which Radio Station DYAC aired subsequently.

## Slide Shows

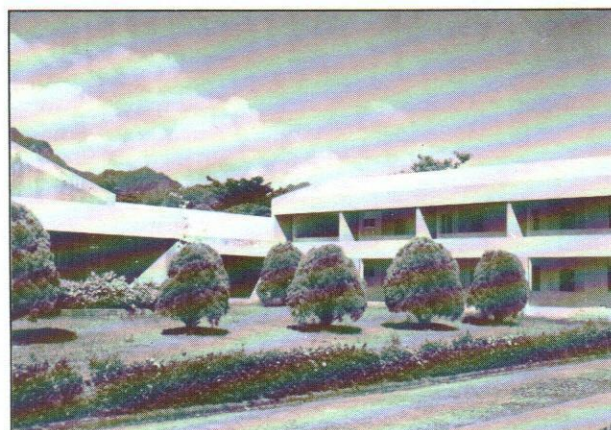
From January to December 1994, eighty two (82) VISCA slide story presentations were viewed by different clientele which included farmers, rural women, entrepreneurs, technicians, researchers, students from different institutions and government officials.

## Distribution of Planting Materials

The RCRC distributed coconut (9,271), pineapple (7,500) and black pepper (2,000) planting materials to farmers, technicians, entrepreneurs and researchers. The Department of Horticulture (DOH) also distributed 11,000 grams of vegetable seeds to farmers and students. The Department of Plant Breeding and Agricultural Botany (DPBAB) produced and distributed one ton of VM-2 corn seeds. It developed a two-hectare rice seed production area intended to produce foundation seeds of newly recommended rice varieties.



Regional Coconut Research Center (RCRC)



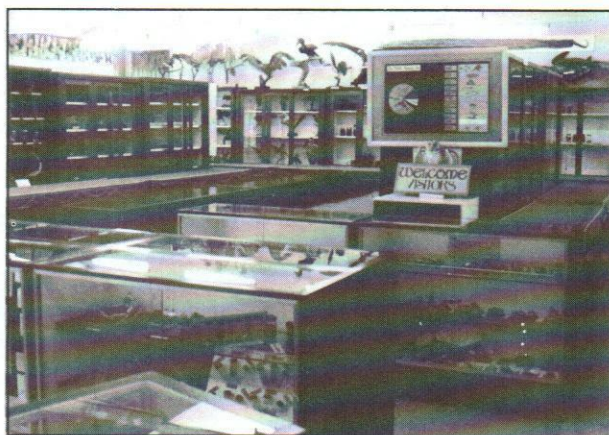
Department of Horticulture (DOH)



## Biological Museum, Plant Pest Clinic and Animal Health Clinic

In addition to the collected flora and fauna for instructional use, the Biological Museum also showcased collections of insect and vertebrate pest species, diseased plants and animals and natural enemies for biological control. A total of 916 clientele (156 farmers and private individuals, 25 trainees, 158 teachers and 577 students from other schools) visited the museum.

The Plant Pest Clinic helped farmers solve 27 pest-related problems. The Animal Health Clinic also responded to requests for assistance in solving animal health related problems on campus and the neighboring barangays especially on dogs and swine. It provided vaccination services at minimal cost.



Biological Museum

## Farmers' Field Day and Garden Show

In 1994, a total of 700 farmers mostly recipients of BIDANI and VISCA-GTZ Social Action Project voluntarily joined the VISCA anniversary Farmers' Field Day and Garden Show. Most of them displayed their own farm products for sale. In addition to 18 VISCA Centers and Departments, twelve cooperating agencies and thirteen garden associations also participated in the annual exhibits and garden show. During the affair many farmers and technicians took the opportunity to consult with researchers and extension workers regarding farm-related problems.

## Demonstration farms

Demonstration farms were maintained to showcase different cultural management techniques for the clientele to observe and learn. These farms included the multistorey cropping system under coconut (RCRC), hilly land intercropping system (FARMI), agroforestry demo farm (DOF) and intercropping system under abaca (NARC).



Intercropping system under abaca.



# Publications

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Technical departments and research centers aside from producing extension-related materials, also produced technical articles which were published in various proceedings and journals as follows:

## Department of Agricultural Chemistry and Food Science

- Screening and Permeabilization of *Zymomonas mobilis* for Serbitol and Gluconate Production. *Bull Philip Biochem.*

## Department of Animal Science and Veterinary Medicine

- Microbial Treatment of Weevil-Infested Sweet Potato Meal as Feed to Broilers. *Asian-Australian Jour. Animal Science.*
- Fattening Lambs on Varying Dietary Regimes Containing Cassava-Based Concentrates. *Philippine Journal of Veterinary Animal Science.*

## Department of Development Communication

- Bangsa Sa Awit. *Significant Experiences of the RACOs in the Philippines.* PCARRD.
- An Analysis of Insecticide Use in Rice-Case Studies in the Philippines and Vietnam. *Journal of Pest Management.* 1994, 40(2), 173-178.

## Department of Horticulture

- Ripening and disease control during evaporative cooling storage of fresh tomatoes. In: *Proc. 5th ASEAN Food Conference*, July 26-29, 1994.

## Department of Plant Breeding and Agricultural Botany

- Genetic Erosion: Causes and Prevention. In: *Proc. International Training Course on Conservation and Utilization of Plant Genetic Resources.* p.7.

## Department of Plant Protection

- Weed Hosts of Nematodes. *On-Farm Research Notes.* Issue No. 18. FARMI.

## Farm and Resource Management Institute

- GIS: A Tool in Establishing Natural Resource Information (NRIS). *On-Farm Research Notes.* Issue No. 17. Quarterly Publication. FARMI. Dec. 1993.
- Corn-Rice Bean/Crotalaria: Promising Combination. *On-Farm Research Notes.* Issue No. 17. Quarterly Publication. FARMI. March 1994.
- Fungal Brown Spot Disease Suppress Yield of Upland Rice in Matalom, Leyte. *On-Farm Research Notes.* Issue No. 17. Quarterly Publication. FARMI. Dec. 1993.



- *Digitaria longiflora* (Retz.) Pres. A Problem in Upland Rice Production. *On-Farm Research Notes*. Issue No. 18. Quarterly. FARMI. March 1994.
- Weeds: How much Do They Cost? *On-Farm Research Notes*. Issue No. 18. Quarterly Publication. FARMI. March 1994.
- What do Matalom Upland Farmers See in Napier Grass as Forage and Hedgerow. *On-Farm Research Notes*. Issue No. 19. Quarterly Publication. FARMI. June 1994.
- Weeding Tools for Upland Rice. *On-Farm Notes*. Issue No. 19. Quarterly Publication. FARMI. June 1994.

### Philippine Root Crop Research and Training Center

- Callus Induction in Yam. *Journal of Root Crops*.
- Callus Induction in Yam as Influenced by 2-4 Dichlorophenoxy Acetic Acid (Abstract). *The Philippine Journal of Crop Science*. Vol. 19, Supplemental No. 1. Annual.
- Meristem Culture and In Vitro Maintenance of Philippine Cassava. In: Proc. *International Scientific Meeting of the Cassava Biotechnology Network*, Bogor, Indonesia. Aug. 22-27, 1994. Every 2 years.
- Hazard Analysis and Critical Control Points (HACOP) Studies for Root Soy Sauce Processing. *The Radix*. Vol. 16, No. 1. June 1994. Semi-Annually.
- Mechanisms of Actions of Preservatives (Anti-microbial) in Foods. *The Radix*. Vol. 16, No. 1. Dec. 1994. Semi-Annually.
- Methods for Testing the Efficacy of Anti-microbial in Foods. *The Radix*. Vol. 16, No. 1. Dec. 1994. Semi-Annually.
- Erosion Control Strategies for Cassava Growers in Sloping Lands. *The Philippine Journal of Crop Science*. Vol. 19, Supplement No. 9, 1994. Annually.
- Long-Term Fertility Trials on Cassava in Bohol (Abstract). *The Philippine Journal of Crop Science*. Vol. 19, Supplement No. 1, 1994. Annually.
- Characterization and Quantitation of Hexadecyl Octadecyl and Eicosyl Esters of P. Coumaric Acid in the Vinne and Root Latex of Sweet Potato. *Journal of Agricultural Food Chemistry*. Quarterly.



# Linkages

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In 1994, VISCA maintained and strengthened its linkages with line agencies of the government, foreign institutions and non-government organizations. These agencies/organizations gave the College either funds or technical assistance to support its programs and projects.

## A. International

1. Asian Vegetable Research Development Center (AVRDC)
2. Association of Farming Systems in Asia (AFSA)
3. Association of Farming Systems Research and Extension (AFSRE)
4. Australian Centre for International Agricultural Research (ACIAR)
5. Australian International Development Assistance Bureau (AIDAB)
6. Australian National University and International Institute of Tropical Agriculture (ANU-IITA)
7. Centro Internacional de Agricultura Tropical (CIAT)
8. Centro Internacional de la Papa (CIP)
9. Centro Internacional de Mejoramiento de Maiz y Trigo (CIMMYT)
10. China Academy of Science (CAS)
11. Commonwealth Scientific and Industrial Research Organization (CSIRO)
12. Conservation Farming for Tropical Uplands (CFTU) Program
13. Cornell International Institute for Food, Agriculture and Development (CIIFAD)
14. Cornell University (CU)
15. Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ)
16. Food and Agriculture Organization of the United Nations (FAO)
17. Forestry/Fuelwood Research and Development (F/FRED)
18. Integrated Root Crops Development Project (IRCDP)
19. International Board for Plant Genetic Resources (IBPGR)
20. International Development Research Centre of Canada (IDRC)
21. International Foundation for Science (IFS)
22. International Institute for Rural Reconstruction (IIRR)
23. International Institute for Tropical Agriculture (IITA)
24. International Network on Soil Fertility and Sustainable Rice Farming (INSURF)
25. International Rice Research Institute (IRRI)
26. International Service for National Agricultural Research (ISNAR)
27. Kasetsart University (KU)
28. Natural Resources Institute - Southeast Asian Program for Potato Research and Development (NRI-SAPPRAD)
29. New Zealand Embassy (NZE)
30. Nitrogen-Fixing Trees Association (NFTA)
31. PLAN International
32. Rice IPM Network, IRRI
33. Southeast Asian Research Center for Agriculture and Graduate Studies (SEARCA)
34. Tissue Culture for Crops Project-Colorado State University (TCCP-CSU)
35. United States Agency for International Development (USAID)
36. United States Department of Agriculture (USDA)
37. Universiti of Pertanian Malaysia (UPM)
38. University of Reading (UR)
39. University of Georgia (UG)
40. User's Perspective with Agricultural Research and Development (UPWARD)
41. Winrock International (WINROCK)
42. World Neighbors (WN)

## B. National/Local

### Government

1. Abuyog Research Station (ARS)
2. Department of Agriculture (DA)
3. Department Coordinating Council for Leyte and Samar (DCCLS)
4. Department of Trade and Industry (DTI)
5. Department of Agrarian Reform (DAR)
6. Department of Budget and Management (DBM)
7. Department of Education, Culture and Sports (DECS)
8. Department of Environment and Natural Resources (DENR)
9. Department of Health (DOH)
10. Department of Interior and Local Government (DILG)
11. Department of Science and Technology (DOST)



12. Department of Social Welfare and Development (DSWD)
13. Educational Development Program Implementing Task Force (EDPITAF)
14. Fiber Development Authority (FIDA)
15. Institute of Development Communication at UP Los Baños (IDC-UPLB)
16. Institute of Plant Breeding (IPB)
17. Land Bank of the Philippines (LBP)
18. Local government units of Baybay, Inopacan, Caridad, Abuyog, Matalom, Leyte and Ormoc.
19. National Agricultural Resources Research and Development Network (NARRDN)
20. National Crop Protection Council (NCPC)
21. National Economic and Development Authority (NEDA)
22. National Irrigation Authority (NIA)
23. National Manpower Youth Council (NMYC)
24. National Nutrition Council (NNC)
25. National Research Center of the Philippines (NRCP)
26. National Seedboard Industry Council (NSIC)
27. Office of Energy Affairs- Non-Conventional Research Division (OEA-NCRD)
28. Office of the Provincial Agriculturist - Leyte (OPAL)
29. Oxford Forest Institute (OFI)
30. Philippine Coconut Authority (PCA)
31. Philippine Council for Agriculture, Forestry and Natural Resources and Development (PCARRD)
32. Philippine Council for Industry and Energy Research and Development (PCIERD)
33. Philippine National Oil Company (PNOC)
34. Philippine Partnership for the Development of Human Resources in Rural Areas (PHILDHRRRA)
35. Philippine Upland Resource Center (PURC)
36. PhilRice
37. Rainfed Resource Development Project (RRDP)
38. University of the Philippines at Los Baños (UPLB)

#### **Non-government**

1. Baybay Barangayanon Jaycees (BBJ)
2. KAISAHAN Tungo sa Tunay na Repormang Pansakahan
3. FORWARD
4. LABRADOR
5. Mag-uugmad Foundation Inc. (MFI)
6. Western Leyte Foundation for Agro-Rural Entities, Inc. (WELFARE)
7. Women Association of the Philippines (WAP)

#### **C. Others**

1. Ateneo Center for Social Policy and Public Affairs
2. Forest, Trees, and People Network (FTPN)
3. Franciscan College of Immaculate Conception (FCIC)
4. Knights of Columbus (KC)
5. Matling Industrial and Commercial Corporation (MICC)
6. National Federation of Administrative Personnel of State Colleges and Universities (NFAPSCU)
7. Rural Development Forestry Network (RDFN)
8. San Miguel Corporation
9. Soil and Water Conservation Foundation, Inc. (SWCFI)
10. VISCA Elementary Foundation Inc. (VEFI)
11. VISCA Foundation for Agricultural and Rural Development (VIFARD)



# Auxiliary Services

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## OFFICE OF STUDENT AFFAIRS (OSA)

The OSA has continuously worked towards providing better services to students in terms of guidance and counseling, scholarship, placement, student housing and co-curricular activities.

OSA put up "Job Fair '94" during the job-seeking seminar-workshop it conducted. Ten government and non-government participated in the fair: the Department of Environment and Natural Resources (DENR), Department of Labor and Employment (DOLE), Department of Science and Technology (DOST), Department of Agriculture (DA), Department of Education, Culture and Sports (DECS), Economic Development Foundation (EDF), Land Bank of the Philippines (LBP), Republic Flour Mills (RFM), Infomaster Service (IS), and Department of Tourism (DOT).

The Office also coordinated the Special Program for Employment of Students (SPES) with DOLE, Region VIII. Sixty three students availed themselves of the program.

To enhance the career guidance and personality development program for the students, the Office purchased new psychological test materials worth P11,000.00

The following donors reinforced the scholarship and grants-in-aid program: Dona K.T. Tanyu Internationale (KTTI), Office of Southern Cultural Community, and the VISCA-GTZ Ecology Program. Twenty-three beneficiaries have enjoyed scholarships and grants from the foregoing agencies. Aside from the VISCA Scholarship Foundation, Inc., the Ormoc Rotary Club Scholarship renewed its educational assistance to VISCA students.

Of the total 2,480 enrollees (undergraduate and non-degree programs) for the first semester of SY 1994-1995, 24 percent (602) of the student populace qualified as scholars (Table 9). OSA continued to serve the students in the form of financial assistance through the Work-Study Grant Program or Student Assistantship. An average of 27 students availed of the program with 2,118.41 hours of work amounting to P8,714.023. The rate per hour for student assistantship is P3.85/hr.

Of the 2,480 enrolled students in the first semester, only 44 percent could not be accommodated in dormitories and cottages. Some of the students sought accommodation in staff houses and in the neighboring barangays of the College.

During the year, the different dormitories and cottages underwent various repair and maintenance activities. The morale of dormitory advisers received a boost with the approval of the Board of Trustees to increase the dorm advisers' honoraria by 50 percent effective January 1995 and another 50 percent to be implemented in 1996. The increase will be taken from dormitory funds.

OSA has recognized a total of 33 student organizations and approved a total of 316 student activities throughout the year, ranging from co-curricular to extra-curricular activities.

The Campus Ministry with affiliate priests and ministers from various religious denominations has been actively involved in the spiritual nurture of students.

The VISCA Recreation Center continuously served the studentry as well as the faculty, staff and the public. As of December 31, 1994 the Center had served a total of 3,128.53 games like bowling, billiard, table tennis, dart and chess/checker.



## LIBRARY

As of December 1994, the library's collection reached more than 48,000 of books and pamphlets, unpublished materials (theses), terminal reports and conference/seminar proceedings. The library acquired 849 volumes of books to add to its collection during the year.

To update users, the Library issued a list of "New Acquisitions" with 753 titles listed. It also continued to update its Catalog database and the root crops database of the Philippine Root Crops Information Service (PRIS) which had been integrated into the Readers and Information Services of the Library.

Readers Services expanded by the availability of the Compact Disk Read-Only-Memory (CD-ROM) equipment. Exactly 58 graduate and undergraduate students availed of it for literature search. The use of the microcomputer/printer and the CDS/ISIS software speeded up card production at the Technical Services Section. As part of the Library's program of resource sharing, 43 students from nearby colleges and universities received the necessary assistance.

The Library continued to receive donations from various donors as follows:

| Donor/Agency                                   | Items/Particulars   |
|--|---|
| William Barry Thompson Foundation, New Zealand | 121 titles of marketing books, 2 black binders & 14 red plastic pamphlet filers |
| Fernandez Brothers (VISCAs Alumni)             | 10 vols. of agriculture books   |
| Food and Agriculture Organization of the U.N.  | 23 items  |
| VISCA-GTZ Ecology Program                      | 28 vols. of ecology books   |

VISCA.

One of the international donors, Mr. Thompson came to visit the library and promised to send additional donations. Other donations came from the international research centers, other government and non-government agencies, and some benefactors of

Table 9. Scholarships and Grants-In-Aid for SY 1994-1995.

|   | Summer 1994 | 1st Sem. '94-'95 | 2nd Sem. '94-'95 |
|---|-------------|------------------|------------------|
| <b>A. VISCA Funded Scholarship</b>  |             |                  |                  |
| 1. Advanced Credit for Exceptional Student                                      | 1           | 1                | 1                |
| 2. Entrance Full Scholarship  | -           | 4                | -                |
| 3. Entrance Partial Scholar.  | -           | 13               | -                |
| 4. Honorific Scholarship  | -           | 40               | 25               |
| 5. Full Scholarship   | 1           | 6                | 12               |
| 6. Partial Scholarship  | 6           | 20               | 49               |
| <b>B. VISCA Funded Grants-In-Aid</b>  |             |                  |                  |
| 1. Academic Grant A   | 4           | 31               | 57               |
| 2. Academic Grant B   | -           | 3                | 5                |
| 3. Choral Grant   | -           | 11               | -                |
| 4. Dance Troupe Grant   | -           | 3                | 5                |
| 5. Income Grant   | -           | 19               | 7                |
| 6. ROTC Grant   | -           | 11               | 4                |
| 7. Sangguniang Bayan  | 12          | 104              | 101              |
| 8. Sangguniang Kabataan   | 33          | 187              | 160              |
| 9. Varsity Grant  | -           | 23               | 29               |
| 10. VISCA Staff Dependent   | 12          | 77               | 73               |
| <b>C. Gov't. &amp; Private Agencies Funded Scholarships &amp; Grants-In-Aid</b> |             |                  |                  |
| 1. CHAPCOM  | -           | 2                | -                |
| 2. COCOBANK   | -           | 9                | 6                |
| 3. DOST-SEI   | -           | 1                | 2                |
| 4. KTTI   | -           | 5                | 6                |
| 5. NAFIC  | 2           | 3                | 4                |
| 6. Office of So. Cul. Comm.   | -           | 2                | 2                |
| 7. Ormoc Rotary Club  | -           | 5                | 5                |
| 8. PARRFI   | -           | 5                | 4                |
| 9. Shouichi Yoshida   | -           | 2                | 2                |
| 10. SSFRC   | 2           | 12               | -                |
| 11. VISCASELF   | -           | 2                | 2                |
| 12. VISFI-GTZ   | -           | -                | 15               |
| 13. WSSP  | -           | 1                | 1                |
| <b>Total Scholars/Grantees</b>  | <b>72</b>   | <b>602</b>       | <b>577</b>       |
| <b>Total Enrollment</b>   | <b>720</b>  | <b>2,480</b>     | <b>2,320</b>     |
| <b>Percentage (Undergraduate &amp; Non-Degree)</b>                              | <b>10%</b>  | <b>24%</b>       | <b>25%</b>       |



# General Administration

The general administration compliments VISCA's trilogy of functions in instruction, research and extension for agricultural and rural development.

During the year, the offices under the general administration and support services continued to perform their specific functions to meet the goals set by the College.

Although the College suffered a major disaster when the administration building got burned on 24 September 1994, VISCA managed to normalize college operations by relocating strategically the affected offices. The Office of the President strengthened VISCA's linkages with public and private agencies. In 1994, VISCA continued to receive various visitors from different local and international agencies. The Public Information and Community Relations Office helped facilitate campus tours and field trips objectives of various groups on campus.

VISCA's visitors were accommodated in either the Guest House or Hostel. The Hostel accommodated 2,213 individuals from the different regions either as guests or participants in various seminar/conferences and other gatherings held in VISCA. It generated a net income of P155,234.01. From its revenue, P120,000.00 was allocated for the repair or renovation of the VISCA Pavilion and P35,000.00 for the purchase of air conditioner, electric fans and bedsheets for the VISCA Manila Office.



The unoccupied Administration Building awaits its rise from the ashes.

## Planning and Development

The Management Office collected and provided the needed data for various institutional surveys and information requested by national and international agencies which include the: Department of Budget and Management, Commission on Higher Education (CHED), House of Representatives, Department of Education, Culture and Sports (DECS), National Economic and Development Authority (NEDA), Philippine Association of State Universities and Colleges (PASUC), International Development Research Center (IDRC) and other agencies.

Through the Planning and Development Office, VISCA prepared and submitted documents needed to support its bid for university status to the House of Representatives. It also updated the VISCA Student and Faculty Profiles and Development Plans, and likewise prepared the 1993 annual report of the College.



VISCA Hostel houses college guests and visitors.



## Administrative Affairs and Support Services

The Offices under the Vice President for Administration continued its task in providing support to VISCA's programs. During the year it accomplished the following:

1. Evaluated the existing accounting and operating procedures of ERHS and DAEAM rice farm projects.
2. Traced and crosschecked all sources of documents, records, reports, minutes of Board Meetings involving VISCA funds transferred to VIFARD.
3. Delivered mail and official documents speedily to various offices concerned through its Records Division.
4. Continued in maintaining peace and order situation on campus and in protecting the properties of the institution through its Security Force.
5. Improved recording and monitoring of supplies, materials and equipment based on the procurement program of the College through the computerization of data in Supply/Property and Management Division.
6. Facilitated resolutions and dismissal of the following cases through the Office of Administrative Affairs:
  - a. Malicious mischief case against Victoria Fernandez.
  - b. Indirect contempt case against 49 staff and students.
  - c. Motion for reconsideration filed by Mrs. Hermogina Bulilan in Civil Case B-1140 against VISCA.
7. Facilitated approval by the Board of Trustees of the Compromise Agreement to settle Civil Case B-1117 filed by VISCA against staff and students.
8. Created ad hoc committees which completed and submitted reports and findings on the following:
  - a. Review of Bulilan's case
  - b. Fire incident

9. Preventive measures like environmental sanitation and immunization by the VISCA Infirmary to avoid occurrence and spread of communicable diseases.

## Physical Facilities Development

The Physical Plant Office undertook repair and improvement of some physical facilities and buildings. This including the improvement of the water system on campus.

The following projects were implemented through the Physical Plant Office and some private contractors:

### Construction projects by private contractors

- a. Girl's Dormitory Phase I
- b. Crop Processing Building
- c. GTZ Marine Laboratory Building



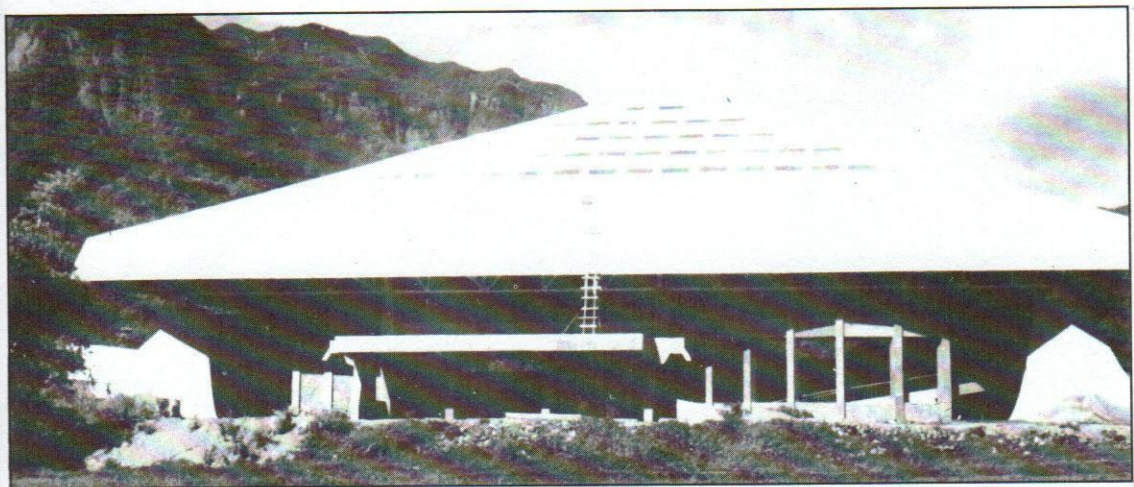
GTZ Marine Laboratory Building

### Repair and improvement/renovation projects by private contractors and VISCA

- a. VISCA Manila Office
- b. 2 units of Waiting Sheds
- c. Forestry Building
- d. Ceiling and roof of Forestry Building
- e. Apartment 89
- f. SPMD Office
- g. Roofing and flooring of Guest House
- h. Quirol's Cottage
- i. Carcallas' Cottage
- j. Piad's Cottage
- k. Ampatin's Cottage to Graduate School Dormitory
- l. GTZ - 2nd half duplex house.



Completion of the VISCA Gymnatorium started. The Physical Plant Office also maintained in good running condition 46 vehicles used for project activities and official trips of VISCA employees and students to various parts of the country.



VISCA Gymnatorium

## Land Use and Development

The Land Use and Agribusiness Project Unit (LUAPO) facilitated Board of Trustees approval of VISCA's Land Zoning and Land Utilization Program and its implementation on April 15, 1994. It also pursued the implementation of the centralized selling of agricultural products produced by the college. During the year, the Board of Trustees approved the proposal to convert a portion of VISCA's land into a student village measuring about 4,000 sq. meters.

## Financial Management

The creation of a Finance Committee improved VISCA's financial management system by assisting in the financial operation of the College. During the year, the Cash Division disbursed cash and checks in the amount of P70,928,645.83 and P132,906,968.74, respectively. It also received collections that amounted to P26,959,934.09.

According to the Accounting Division, VISCA's total allotment for CY 1994 was P 101,057,046.00 with a total expenditure amounting to P94,175,096.74. Out of the total allotment received P 34.9 million went to instruction, P 20 million for research and P 3.2 million for the extension program of the College (Figure 5).

Allotment in 1994 increased by P8.8 million or 9.5 percent while expenditures increased by P11.2 million or 13.5 percent. Table 10 provides the details of allotment expenditures and balances.

During the year, the VISCA administration started to explore solutions to critical financial problems related to NCC 69 implementation and the employment of casual workers without adequate funds.

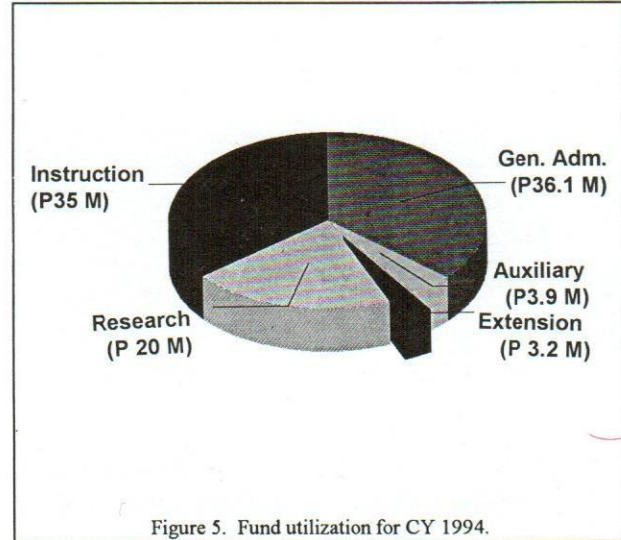


Figure 5. Fund utilization for CY 1994.



Table 10. Comparative Data of VISCA's Allotments, Expenditures and Balances for CY 1993 and 1994.

| Function                        | Allotment       |                | Expenditure   |               | Balance      |              |
|---------------------------------|-----------------|----------------|---------------|---------------|--------------|--------------|
|                                 | 1993            | 1994           | 1993          | 1994          | 1993         | 1994         |
| A. Instruction Services         |                 |                |               |               |              |              |
| 1. Advanced Education           | 4,946,984.00    | 6,099,044.00   | 4,946,984.00  | 6,099,044.00  | 0.00         | 0.00         |
| 2. Higher Education             | 19,767,441.00   | 26,156,692.00  | 19,767,441.00 | 26,155,353.36 | 0.00         | 1,338.64     |
| 3. Secondary Education          | 2,338,000.00    | 2,739,328.00   | 2,338,000.00  | 2,739,328.00  | 0.00         | 0.00         |
| B. Research Services            | 16,041,000.00   | 20,055,908.00  | 14,289,061.24 | 16,215,183.87 | 1,751,938.76 | 3,840,724.13 |
| C. Extension Services           | 3,762,000.00    | 3,216,196.00   | 3,007,954.18  | 2,470,505.51  | 754,045.82   | 745,690.49   |
| D. Auxiliary Services           | 2,667,000.00    | 3,993,944.00   | 2,667,000.00  | 3,993,944.00  | -            | -            |
| E. Gen. Adm. & Support Services | 25,865,820.00   | 36,148,176.00  | 24,587,863.34 | 36,147,906.17 | 1,277,956.66 | 269.83       |
| F. Adm. of Personnel Benefits   | 8,991,000.00    |                | 8,968,000.00  | -             | 23,000.00    | -            |
| G. Faculty and Staff Dev. Fund  | -               | 207,400.00     |               | 114,988.50    |              | 92,411.50    |
| H. Equipment/Capital Outlay     | 5,331,000.00    | 2,010,358.00   | 2,421,383.61  | 224,343.33    | 2,909,616.39 | 1,786,014.67 |
| I. Foreign Assisted Projects    | 2,510,000.00    | 430,000.00     | 66,970.85     | 14,500.00     | 2,443,029.15 | 415,500.00   |
| Total                           | P 92,220,245.00 | 101,057,046.00 | 83,060,658.22 | 94,175,096.74 | 9,159,586.78 | 6,881,949.26 |



# New Acquisitions and Donations Received

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In 1994, VISCA received donations from various donors and acquired some equipment from its regular appropriation. The following list gives new acquisitions by department/center, donations received and donors.

| Department/Center              | Qty. | Unit  | Particular   | Donor (s)/Funding Agency (ies) |
|--------------------------------|------|-------|--|--------------------------------|
| Graduate School                | 1    | unit  | Mini-Bus   | ATEP/EDPITAF                   |
|                                | 1    | unit  | Philips CPU  |                                |
|                                | 2    | sets  | Windows Softwares (Adobe Illustrator and Aldus Pagemaker)  |                                |
|                                | 1    | set   | Xerox Formbase   |                                |
|                                | 2    | units | Laser Printer, Laserjet 4, Hewett Packard and HP-IV series |                                |
|                                | 1    | unit  | JVC Color Video Camera                                     |                                |
|                                | 2    | units | PC/AT 80486 CPU System DX-33                               |                                |
|                                | 1    | unit  | Overhead Projector   |                                |
|                                | 1    | unit  | Photo Color Enlarger                                       |                                |
|                                | 1    | unit  | Slide Projector  |                                |
|                                | 1    | unit  | Condura Airconditioner                                     |                                |
|                                | 1    | unit  | Whiteboard   |                                |
|                                | 1    | unit  | Ampli-tuner  |                                |
|                                | 1    | unit  | JVC Double Casette Deck                                    |                                |
|                                | 1    | unit  | JVC Turn-table   |                                |
|                                | 2    | pairs | JVC Speaker system   |                                |
|                                | 1    | unit  | JVC Dynamic unidirectionnal microphone                     |                                |
|                                | 1    | unit  | Open Reel Tape Deck, Stereo                                |                                |
|                                | 1    | unit  | Audio mixer  |                                |
|                                | 1    | unit  | JVC Color TV, 21"  |                                |
|                                | 1    | set   | JVC Video Editing Machine                                  |                                |
|                                | 1    | unit  | VHS JVC Casette Recorder                                   |                                |
|                                | 2    | units | JVC Color Video Monitor                                    |                                |
| VISCA Laboratory High School   | 1    | unit  | OPTRON Karaoke   | FAHP and FFP                   |
|                                | 1    | set   | 4 in. 1 Concorde Tape                                      |                                |
|                                | 1    | pc    | Battery, 12 plates   |                                |
|                                | 1    | unit  | IBM Computer with Printer                                  |                                |
| National Abaca Research Center | 4    | cps.  | Books on Word Processing and Data Management               | VISCA                          |
|                                | 1    | copy  | Book on Plant and Soil Interaction at Low pH               | USDA                           |
|                                | 6    | cps.  | Proceedings on Sustainable Agriculture                     | FAO, Netherlands               |
|                                | 375  | cps.  | Reprints on Abaca and Soil Related Topics                  | VISCA                          |
|                                | 1    | unit  | Aircon   | VISCA                          |



| Department/Center                             | Qty. | Unit   | Particular   | Donor (s)/Funding Agency (ies)  |
|---|------|--------|--|---|
| Dept. of Plant Protection                     |      |        | Distilling Apparatus   | GTZ   |
| Dept. of Plant Breeding & Agricultural Botany |      |        | P 25,000 grant for rice research                               | PhilRice  |
|   |      |        | Curtains   | VISCA   |
|   |      |        | Overhead Projector and Screen                                  | VISCA   |
| Dept. of Animal Science & Veterinary Medicine | 6    | cps.   | Books (various fields), brochures and drug samples for animals | Drug Companies  |
| Dept. of Agronomy & Soil Science              | 1    | unit   | Digester   | ACIAR   |
|   | 3    | units  | Digital balance (top loading)                                  |   |
|   | 1    | unit   | Emergency lamp   |   |
|   | 2    | units  | Solar top roofing<br>Stand Fan                                 |   |
| Hostel  |      |        | P 186,016.35 worth of materials                                | Hostel  |
| Phil. Root Crop Research & Training Center    | 9    | titles | Various journals   | Panay State Polytechnic College, IRRI, CMU, Genetic Resources Communications Systems, Inc, Bethesda, USA AVRDC, IRRI, ACIAR |
|   | 5    | titles | Technical Bulletins  |   |
|   | 35   | titles | Newsletters  |   |
|   | 4    | titles | Paper Series   |   |
|   | 2    | titles | Annual Reports   |   |
|   |      |        | New psychological test materials (worth P11,000)               |   |
| Office of Student Affairs                     |      |        |  | VISCA   |
| Library                                       | 121  | titles | Books (mostly in marketing)                                    | William Barry Thompson Foundation, New Zealand Fernandez Brothers (VISCA Alumni) VISCA                                      |
|   | 2    | pcs.   | Black binders  |   |
|   | 14   | pcs.   | Red plastic pamphlet filers                                    |   |
|   | 2    | vols.  | Books ( <i>Orchidiana Filipiniana</i> )                        |   |
|   | 10   | vols.  | Books (agriculture)  |   |
|   | 2    | vols.  | Audiovisual materials in Math (worth P5,680)                   |   |
|   | 12   | pcs.   | Various items  | FAO   |
|   | 28   | vols.  | Books  | VISCA-GTZ   |



# Miscellaneous

- VISCA hosted the First National Convention on the Agricultural Technology Education Association of the Philippines (ATEAP) on January 21-22, 1994 with the theme: "Agricultural Technology and Entrepreneurship Education Towards Philippines 2000." During this activity, Senator Santanina Rasul spoke on the topic "Policies and Issues on Agricultural Technology and Entrepreneurship- Filipino style. Dr. Cecilio Arboleda, Dean of the UPLB College of Agriculture gave the closing message.
- The VISCA Administration and VISCA Personnel Association jointly sponsored the Faculty and Staff Sportsfest on January 27-29, 1994.
- A VISCA team helped Governor Wayne Jaro launch the Biliran Cassava-based feedmill on January 28, 1994. VIFARD also assisted in providing ingredients during the feedmill test- run.
- Director Remigio A. Tabones, of the Department of Agrarian Reform, Region 8 gave an inspiring message to the honors and awardees of VISCA during its 15th Honors and Awards Convocation.
- On 4 February 1994, Director Vicente Escarian of the Civil Service Commission, Region 8 gave VISCA faculty and staff a briefing on the role of the College in acting on appointments of employees. Director Escarian revealed that only VISCA in Region 8 became accredited to take final action on appointments.
- A VITASAT (Volunteer in Technical Assistance Satellite) groundstation for Electronic Mail (E-mail) was installed at the Farm and Resource Management in VISCA by Edward Bade, a network specialist from Cornell University in New York, USA. E-Mail support came from the Conservation Farming for Tropical Uplands (CFTU) Program, a collaborative research program based at FARMi with its main research site in Matalom, Leyte. Cornell International Institute for Food, Agriculture and Development (CIIFAD) of Cornell University and several government and nongovernment organizations in the Philippines participate in this research program.



E-Mail Station at VISCA operated by Ms. Bibian Balbarino

- A food processing Center in Barangay Guadalupe, VISCA's adjacent barangay opened on February 19, 1994. This is a project of the Guadalupe Women's Association with assistance from the VISCA-GTZ Ecology Program and the Mt. Pangasugan Social Action Project. The processing center commercializes food products from root crops as an alternative livelihood venture for upland farmers and shifting cultivators. Staff of the Food Technology Section of VISCA's Department of Agricultural Chemistry and Food Science demonstrated food processing technologies and provided technical assistance.
- Eight scientists from the Japan Society for the Promotion of Science (JSPS) headed by Dr. Miyato Higaki, Director of the NODAI Center for International Programs at the Tokyo University of Agriculture, visited VISCA on March 8, 1994 as part of their familiarization visit to selected agricultural institutions in the country to determine possible collaborative research/development work with Japan.



VISCA President Go receives a JSPS brochure from Dr. Miyato Higaki



VISCA Reserve Officer Training Corps (ROTC) maintained its honor as second best ROTC Unit in Region 8, next to Saint Peter's College ROTCU in Ormoc City out of the 10 ROTCU evaluated by the Administrative and Tactical Inspection Team.

Commissioner Patricia Sto. Tomas of the Civil Service spoke during the Closing Program and Convocation of the Seminar on the Foundations of Education and Values Development sponsored by the Center for Research and Communication of the Southeast Asian Science Foundation, Inc. on March 22-24, 1994. During the occasion, Hon. Sto. Tomas received VISCA's highest award of distinction called "*Mt. Pangasugan Award*" for "her invaluable contribution to the staff development program of VISCA, in her capacity as chairman of the Civil Service Commission, by encouraging the formulation of and implementation of the Merit System for the Faculty and Administrative Staff of VISCA; for granting VISCA the autonomy in the processing and approval of appointments; for formulating progressive civil service policies and guidelines suited to the conditions and needs of state colleges and universities; and for exemplifying and campaigning strongly for dedicated, honest and efficient public service."



Hon. Patricia Sto. Tomas, CSC Commissioner receives the "*Mt. Pangasugan Award*."

- The VISCA Administrative Personnel Association (VAPA) was formed on April 13, 1994 in response to the invitation of the National Federation of Administrative Personnel of State Colleges and Universities (NFAPSCU) for VISCA to send 2 representatives to a conference-workshop on May 22-24, 1994 at the Benguet State University in La Trinidad, Benguet. Ma. Christina Ramirez and Bonita Montes as official delegates attended the conference-workshop. Elected VAPA Officers were: Mr. Juan Labra, President; Miss Christina Ramirez, Vice President for regular employees; Ms. Bonita T. Montes, Vice President for casual employees; Ms. Zenaida Gerona, Secretary; Ms.

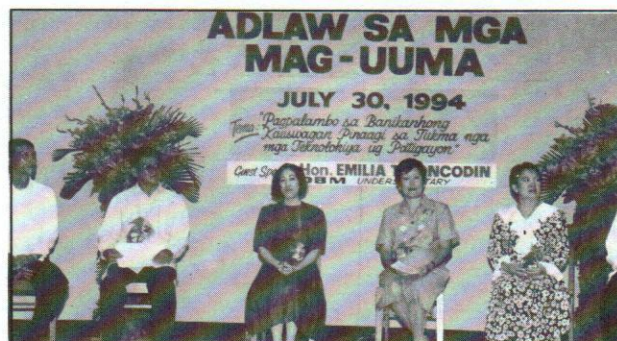
Catalina Pascual, Treasurer; Ms. Adelina Carreno, Press Relations Officer; Mr. Sergio Abenio, Auditor and Mr. Teodolfo Bacalso and Mr. Joel Ancheta, Sgt. at Arms.

- A memorandum of Agreement was signed on May 27, 1994 between VISCA and Land Bank of the Philippines to support the educational pursuits of the immediate families of landowners affected by the government's Comprehensive Agrarian Reform Program (CARP). VISCA accepted the 10-year LB Bonds of original bondholders as payment of tuition fees of said family members enrolled in the College.
- Senator Letecia Ramos Shahani addressed VISCAns and guests during VISCA's 70th Anniversary Convocation on July 31, 1994 at the VISCA Gymnasium. She emphasized moral recovery and national renewal as prerequisites to national transformation and economic growth.



Senator Letecia Ramos Shahani, VISCA's Anniversary Convocation Speaker, receives a Plaque of Appreciation from Pres. Go.

- Undersecretary Emilia T. Boncodin of the Department of Budget and Management gave the message during the Farmers' Field Day Convocation on July 30, 1994. She appreciated VISCA's efforts in uplifting the life of the small farmers whom VISCA honored. She expressed gratitude for being given the opportunity to see the tangible utilization of VISCA's budget allocation.



Hon. Emilia T. Boncodin (center) responds to VISCA's invitation as guest speaker of the Farmers' Field Day Celebration.



- Recipients of awards during the VISCA Anniversary:

#### **Sandigan Awards:**

1. **Secretary Ricardo T. Gloria** - Sandigan Award in recognition of his outstanding leadership as Secretary of Department of Science and Technology (DOST) in promoting relevant agricultural research and extension in the country, providing financial assistance to VISCA for science and technology promotions and accelerating the staff development program of the College by providing DOST scholarship and training to VISCA faculty and scientists.



DOST Regional Director Redia Atienza receives the "Sandigan Award" in behalf of DOST Secretary Ricardo T. Gloria.

2. **International Foundation of Science (IFS) Sweden** for the financial support it has given to many budding young scientists of VISCA in the conduct of research. The acquisition of vital equipment through IFS grant facilitated the research work not only of the grantees but also of other scientists.

#### **Mt. Pangasugan Awards:**

VISCA retirees were given this award "for their commitment, steadfastness, loyalty and devotion to duty as public servants until their retirement." Lilia Duatin, Felisa Flores, Avelina Floresca, Teodulo Milleza, Flotilda Torre Franca, Wilfredo Valenzona, Zosimo Valenzona and Camilo Villanueva, Sr.

- One of the highlights of the anniversary celebration was the booth-making competition sponsored by the Office of Student Affairs. Various organizations constructed a total of 23 booths. "The Builders" won **The Booth of the Year Award**.

- The third invitational Rodeo was participated in by: Silliman University, Xavier University, Department of Agricultural Education and Extension of VISCA and the VISCA Society of Animal Science Students. The VISAS got the overall Champion of Rodeo '94.
- VISCA hosted an international training through the Philippine Root Crop Research and Training Center's potato program "User's Perspective with Agricultural Research and Development (UPWARD) on International Training on Farm Household Diagnostic Skills on October 24-30, 1994. It was participated in by some 30 scientists from the U.S, China, Vietnam, Indonesia and the Philippines.
- The Affiliated Nonconventional Energy Center for Region VIII based at VISCA's Department of Agricultural Engineering and Applied Mathematics (DAEAM) conducted an Artisans' Training on Ricehull-fueled Cookstove Fabrication on June 21, 1994 at the Crop Processing of DAEAM. This was co-sponsored by DAEAM.
- Fire razed the 11-year-old VISCA Administration building on September 24, 1994 and destroyed the third floor of the building. Fire trucks from Baybay, Ormoc, Abuyog, Hilongos and Sogod responded to the SOS call through REACT.
- Col. Consolacion G. Saavedra, Chief Nurse of the Armed Forces of the Philippines, served as the guest speaker during the VISCA ROTC Annual Presentation of Sponsors and Escorts on September 14, 1994.



Col. Consolacion G. Saavedra - guest speaker during the Annual Presentation of Sponsors and Escorts.



- VISCA employees received Service Awards in consonance with the celebration of the Civil Service Week. VISCA identified 85 awardees for the length of Service Award. Director Dalisay C. Sevilla led the distribution of awards on September 19, 1994 as follows: 20-24 years - Bronze medal, 25-30 years - Silver medal, 31 years and above - Gold medal.
- College President Samuel S. Go together with Dr. Dominador Garin, Head of the Agricultural Education Department of Benguet State University, participated in the Agricultural Productivity Organization (APO) Study Meeting on Agricultural Education Systems in Korea on September 6-10, 1994. Dr. Go served as conference chairman and read a paper on Refocusing Agricultural Education Systems.
- VISCA BOT approved the services of a volunteer worker from the Netherlands, Ms. Sara Meeder. Having started her 6-month term in December, she assists in developing and evaluating instructional materials for extension.
- Along with Chancellor Ruben Villareal, Dr. Salcedo Eduardo and Dr. Cristino Collado of UPLB, College President Samuel S. Go participated in a Coordinator's Meeting in Japan on September 26-October 5, 1994 for exchange programs in the field of agricultural sciences between DOST and JSPS.



VISCA President Samuel S. Go, together with Chancellor Ruben Villareal and Dr. Salcedo Eduardo of UPLB, poses with JSPS host in Japan.



# *Directory of VISCA Officials*

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The 1994 VISCA Annual Report is published by the Planning and Development Office in cooperation with the various offices, departments, research and training centers/institutes of the College.

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**Alexis G. Bertulfo**  
*Layout Artist and Typesetter*

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*Facilitator*





*VISCA's Obelisk symbolizes agriculture.*



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