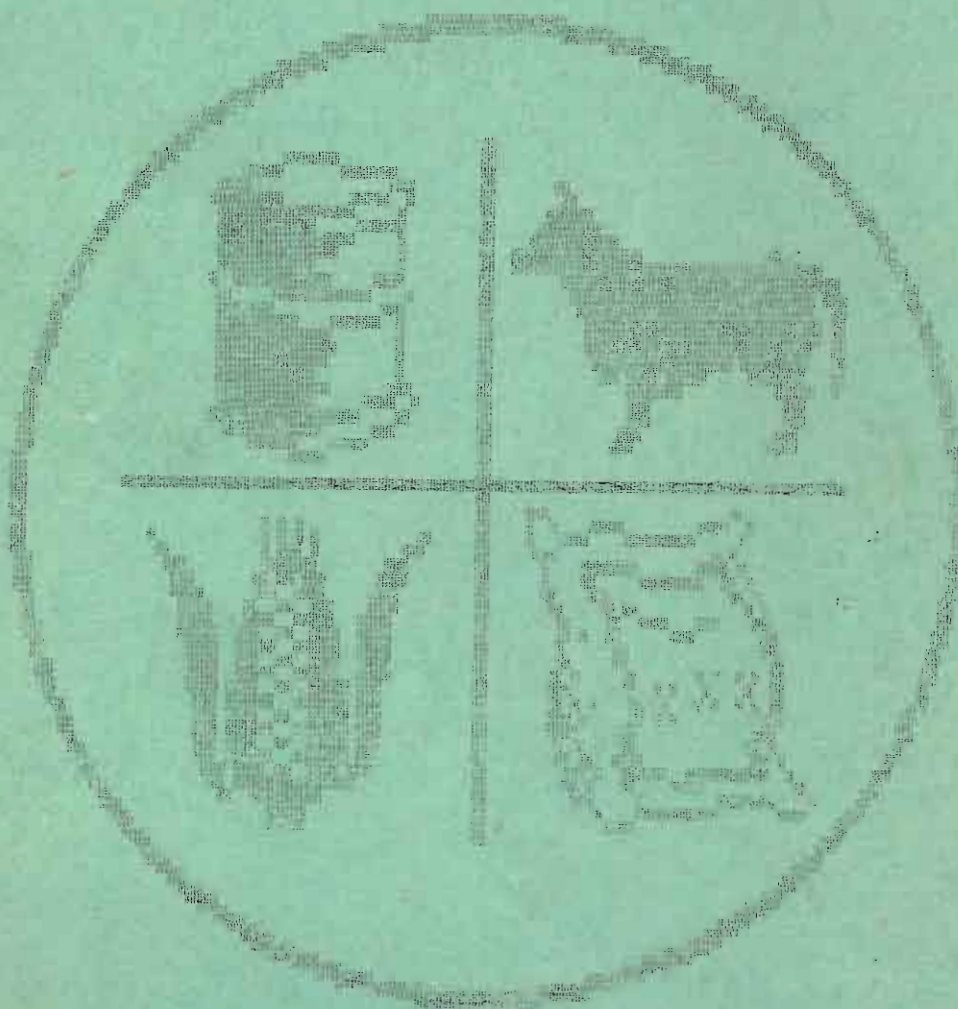


1989 ANNUAL REPORT



BENEDICTINE UNIVERSITY
La Trinité, Québec G6G 1

Republic of the Philippines
BENGUET STATE UNIVERSITY
La Trinidad, Benguet 2601

July 15, 1990

HER EXCELLENCY CORAZON C. AQUINO
President
Republic of the Philippines
Malacañang, Manila.

THRU: HON. ISIDRO D. CARINO
Chairman, Board of Regents &
Secretary, Department of Education,
Culture and Sports

MADAM:

I have the honor to submit herewith the Annual Report of Benguet State University for the Calendar Year 1989, pursuant to the provisions of P.D. 2010.

Very truly yours,



LUCIO B. VICTOR
President

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EXECUTIVE SUMMARY

The year 1989 marks the third year of administration of Dr. Lucio B. Victor and Benguet State University's fourth year of existence as a state university.

Accomplishment for the year in review varied for the different sectors in the University. In the academic sector, the different degree programs graduated a total of 279, a 21 % increase over that of 1988. A total of 3,991 students enrolled in the different levels and courses, an overall increase of 7.40 % over last year. From this total, 1,311 enrolled in the degree programs for an increase of 10 % over 1988. The enrollment increase in the degree programs was due largely to increased student influx in the Doctor of Veterinary Medicine and B.S. Nutrition and Dietetics programs.

In addition to existing course offerings, the Bachelor of Secondary Education and Bachelor of Elementary Education were opened in June 1989. Also opened at the graduate level were the Master of Arts in Education and Master of Arts in Teaching, each with different major fields of specialization. Most of the existing degree programs were strengthened with certain curricular changes like the inclusion of relevant subjects and the merging of similar courses into a more comprehensive subject.

Faculty development was given priority attention as in the preceding years. As a result, there is now a total of 38 doctoral degree holders, 114 masters degree holders and 109 bachelors degree holders in the faculty. This constitutes a 22 % increase in the number of Ph. D./Ed. D. holders, a 3 % increase in masters degree holders and a decrease of 11 % among the bachelors degree holders. Part of the faculty development efforts included numerous training, seminars, conferences and other academic forums attended by the faculty and staff of the university.

New constructions were started or continued in 1989 to upgrade and meet the infrastructure needs of the University. Construction of the Agri-Tech Project (ATEP) Research Laboratory, Phase I of the College of Agriculture Complex, Phase II of the Veterinary Science Building, additional research laboratories, the Home Management Building, a water tank structure and the addition of comfort rooms to the University gymnasium complex were in full swing during the year. Other constructions include the motor pool extension and perimeter fencing.

To upgrade office as well as instructional operations, laboratory and office equipment were acquired through various funding sources. Several computer units were acquired through the general fund of the University and

through the IDRC, RRDP and the GSDF. Some laboratory equipment, a vehicle and office supplies were also acquired through research linkages.

In the area of research, significant breakthroughs were made. Some promising white potato clones for production in highland areas were identified, white potato stem cuttings as alternative planting materials attained further progress and popularity while development of improved planting materials for sweet potato and taro were made.

In the area of vegetables, improved method for club root control was developed while promising entries of garden pea and snap beans for highland conditions were bred. Mushroom management was also improved through an effective button dry rot control and the use of an ideal casing soil.

Overall, a total of 140 researches were listed in 1989. Eighteen (18) were published, 31 were implemented, 91 are on-going, 21 were proposed of which 16 were approved for implementation. Funding sources for these researches include BSU, HADP, CIP, IDRC, VISCA, IFS, PCARRD, the Ford foundation, PSSC, CARFI, Jobin Enterprises, AVRDC and some chemical companies.

The extension and training office of the university conducted 21 trainings, seminars and workshops to a total of 1,068 farmers, housewives, technicians and staff of

government and non-government organizations. The different colleges and other units in the university also implemented extension work that were within their time limitations and capabilities.

On the production side, a total net income of ₱ 536,462 from the various production projects and a total net income of ₱ 159,864 from the special funded projects were reported. This amount has a slight increase over the reported production income in 1988.

The university has a total budget of ₱ 48,757,554 for the year 1989. From this amount, ₱ 40,127,700.75 was obligated for a balance of ₱ 8,629,853.25. The balance was largely from the capital outlay (₱ 5,692,233.44) and from the lump sum appropriation (₱ 2,895,757.95).

BSU IN RETROSPECT

The academic history of Benguet State University commenced in 1916 when it was established as the La Trinidad Farm School. As the need for higher levels of education arose, the institution was elevated to a secondary school until it began to offer a teacher-training course.

In 1955, the Bachelor of Science in Agricultural Education was offered, followed by the Bachelor of Science in Home Technology in 1964. With these two academic programs, the institution began turning out graduates to fill the manpower needs of the region in both education and technology.

Seventy-three years after the first thirty (30) pupils set foot in the campus and thirty-four years after the first degree course was offered, the institution is now a seven-college University with a total student population of about four thousand (4,000), offering eleven (11) degree programs in the undergraduate programs in addition to masteral and doctoral programs in the graduate level and several non-degree skills training courses. The University has a strength of two hundred sixty one (261) faculty complemented by two hundred forty one (241) research and administrative staff and eighty-nine (89) emergency staff.

To fulfill its commitment towards a comprehensive quality education, BSU envisions to expand its academic, research and extension programs to include the basic and social sciences while it continues to strengthen the existing programs in the agricultural sciences and education.

Complementing the various functions of the University is a score of academic departments in seven (7) colleges, five (5) research institute/centers and several affiliate research and extension agencies situated in the campus.

INSTRUCTION

Benguet State University continues to be a vital partner of the government in national development efforts. It has remained the primary source of highly trained and educated professionals in the fields of agriculture, forestry and home management. BSU alumni occupy key positions in government as well as private agencies engaged in agriculture, forestry and educational concerns.

Recently, the University embarked on a strengthened teacher education program that is foreseen to provide well-trained teachers in both elementary and secondary levels.

Degree Programs

Since its inception as a university in 1986, BSU expanded its curricular offerings. At present, there are three (3) Ph.D., 19 masteral, 12 baccalaureate and several non-degree programs being offered in the university. Aside from these, the University has four secondary curricula and an elementary department that provide support to its teacher education programs.

New degree programs offered during the year 1989 were: the Bachelor of Elementary Education and Bachelor of Secondary Education in the undergraduate level and the Master of Arts in Physical Education, Master of Arts in Education (different major fields of specialization) and

Master of Arts in Education (different major fields of specialization). These new programs are perceived to make a strong impact to the educational concerns of the region in the years to come.

The different degree programs being offered are as follows:

Graduate Programs

Doctor of Philosophy (Ph.D.)

- Ph. D. in Agricultural Education
- Ph. D. in Horticulture
- Ph. D. in Rural Development

Master of Science

- MS in Agricultural Economics
- MS in Agricultural Education
- MS in Agricultural Extension
- MS in Agronomy
- MS in Animal Science
- MS in Botany
- MS in Entomology
- MS in Forestry
- MS in Horticulture
- MS in Plant Pathology
- MS in Rural Development
- MS in Soil Science

Master of Education

- M. Ed. in Home Economics
- M. Ed. in Practical Arts

Master of Arts in Education (major in:)

- Educational Administration
- Elementary Education
- English as a Second Language
- Filipino as a Second Language
- Guidance and Counseling
- Social Studies

Master of Arts in Teaching

MAT in Applied Statistics
MAT in Biology
MAT in Chemistry
MAT in English as a Second Language
MAT in Filipino as a Second Language
MAT in General Science
MAT in Mathematics

Master of Arts in Physical Education

Master of Resource Systems Management in Agribusiness

Master of Science Teaching in Physical Science

Undergraduate Programs

Bachelor of Science in Agriculture (major in:)

Agricultural Economics
Agricultural Extension and Rural Development
Agronomy
Animal Science
Botany
Chemistry
Entomology
Horticulture
Mathematics
Plant Pathology
Soils
Statistics

Bachelor of Science in Agricultural Education
(major in:)

Agricultural Economics
Agricultural Extension
Agronomy
Animal Science
Horticulture
Mathematics
Physics
Practical Arts

Bachelor of Elementary Education

Bachelor of Science in Agribusiness

Bachelor of Science in Agricultural Engineering

Bachelor of Science in Animal Technology

Bachelor of Science in Applied Statistics

Bachelor of Science in Forestry

Bachelor of Science in Home Economics

Bachelor of Science in Nutrition and Dietetics

Bachelor of Secondary Education

Doctor of Veterinary Medicine

Secondary Education

Agricultural Home Economics

General Secondary Education

Special Agricultural Science

Vocational Agriculture

Elementary Education

Elementary Course from Grade I to VI

Non-Degree Programs

The University also offers non-degree programs geared towards the development of technical/vocational skills. These non-degree programs are handled mainly by three of the seven Colleges in the University. These are as follows:

- Third Class Automotive Mechanics
- Certificate in Home Management Arts
- Certificate in Physical Education (Specialization)
- One-Year Automotive Technology
- Two-Year Agri-Forest Course
- Six-month Baking Course
- Six-month Dressmaking
- Six-month Food Processing
- Six-month Tailoring Course

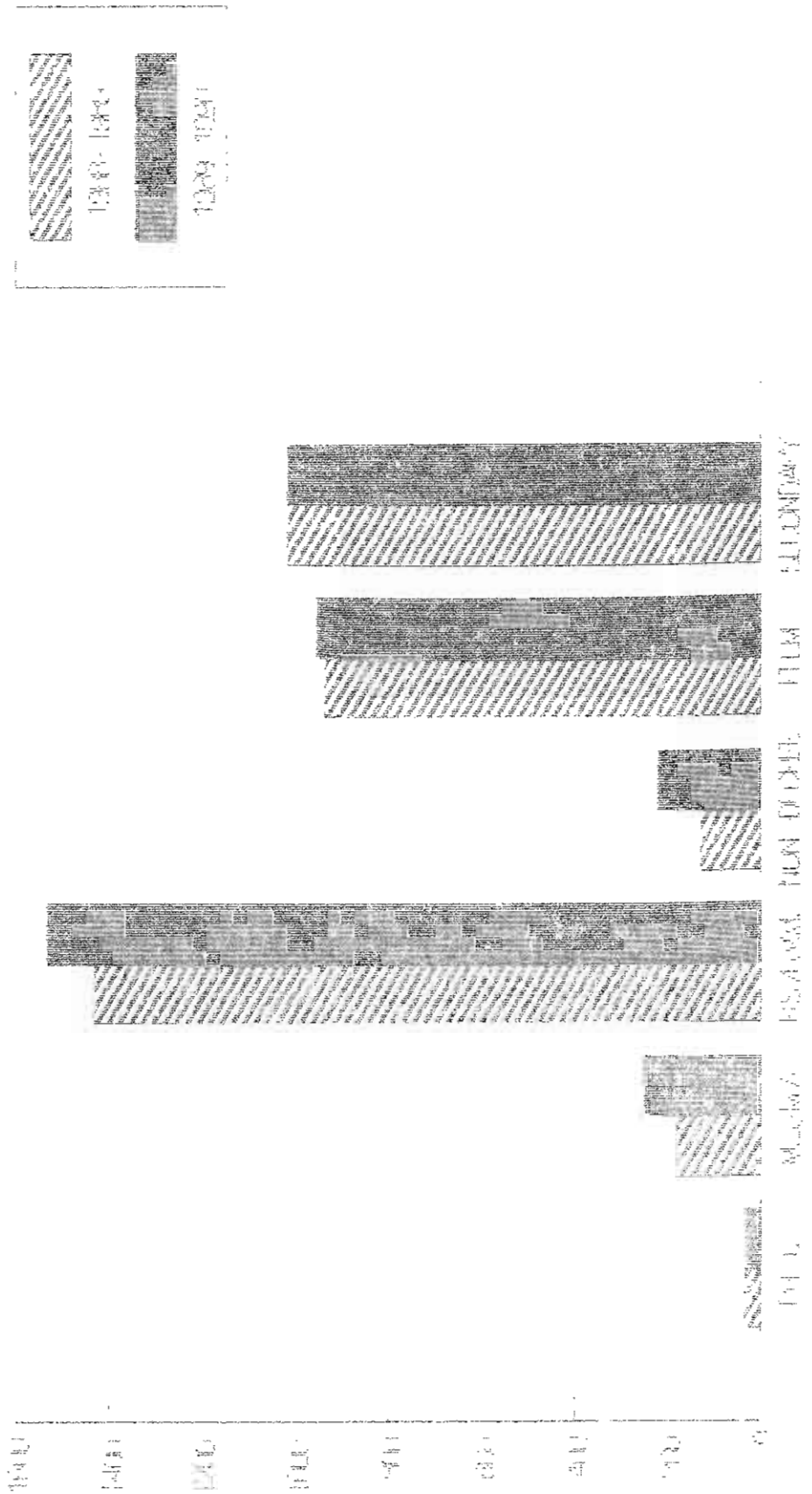
Enrollment Trends

Table 1 shows the distribution of enrollment among the different curricular offerings of the University. For SY 1989-1990, the average enrollment (1st & 2nd sem) was 3,991, almost 50% of which was in the elementary/secondary levels, 38.39% in undergraduate programs, 6.99% in graduate studies and 5.41% in non-degree programs. This indicates a net increase of 275 (7.4%) over the average enrollment for SY 1988-1989. Of the total increase of 493, 25.35% was contributed by non-degree programs; 20.69%, BSF/BEE, 14.40%, MS; 14.00%, DVM; and the rest from BSA, BEND, Elementary, BSF, and BSAgEng'g. It is also noted that in some programs, the enrollment decreased.

Table 1. Comparison of Enrollment, SY 1988-1989 and SY 1989-1990

	Number of Enrollees		RATE (%)
	1988-1989	1989-1990	INC./DEC.
GRADUATE PROGRAMS			
Doctor of Philosophy	36	30	(18.06)
Master of Science	178	249	39.61
Sub-Total	214	279	30.37
UNDERGRADUATE PROGRAMS:			
BS Agriculture	334	380	13.77
BS Agri-Bus. Mgmt.	52	51	(1.92)
BS Anim. Tech.	64	50	(40.12)
BS Agri. Educ.	432	323	(25.23)
B Elem. Educ.		62	
BS Educ.		40	
BS Home Economics	140	108	(22.58)
BS Nut'n & Dietetics	85	127	48.82
BS Agri. Eng'g.	100	106	5.50
BS Forestry	154	168	9.12
Dr. of Vet. Med.	48	117	146.32
Sub-Total	1,429	1,532	7.21
NON-DEGREE PROGRAMS:			
Cert. in Physical Educ.	41	51	24.39
Cert. in Home Mgt. Arts	2	21	950.00
Agri-Forestry	40	30	99.75
Farm Mech Tech	-	19	
Auto Elec Tech		10	
Agri-Mechanics	36		(100.00)
CMT-Cross Enrollee	8	35	331.25
Sub-Total	127	216	70.10
ELEMENTARY	932	950	1.93
SECONDARY	1,014	1,014	0.00
GRAND TOTAL	3,716	3,891	7.40

ENROLLMENT, FY 1988-89 & SY 1989-90



Graduation Figures

In 1989, there was a total of 625 graduates of whom two (less than 1%) were conferred Ph.D. degrees, 19 (3.04%) masters and 258 (41.28%) baccalaureate degrees. Twenty-seven (27) were awarded certificates in different non-degree programs. The elementary and secondary departments accounted for 137 (21.92%) and 187 (29.12%) graduates, respectively.

As compared to the number of graduates in 1988 which is 570, there is a net increase of 55 (9.65%) in 1989. The total increase of 76 is contributed by BSAE (23), BSHE/HT (16), BSAgEng'g (9), Elementary (9), BSND (8); MS (4), DVM (4), and non-degree programs (3).

Table 2. Total Number of Graduates for 1988 and 1989

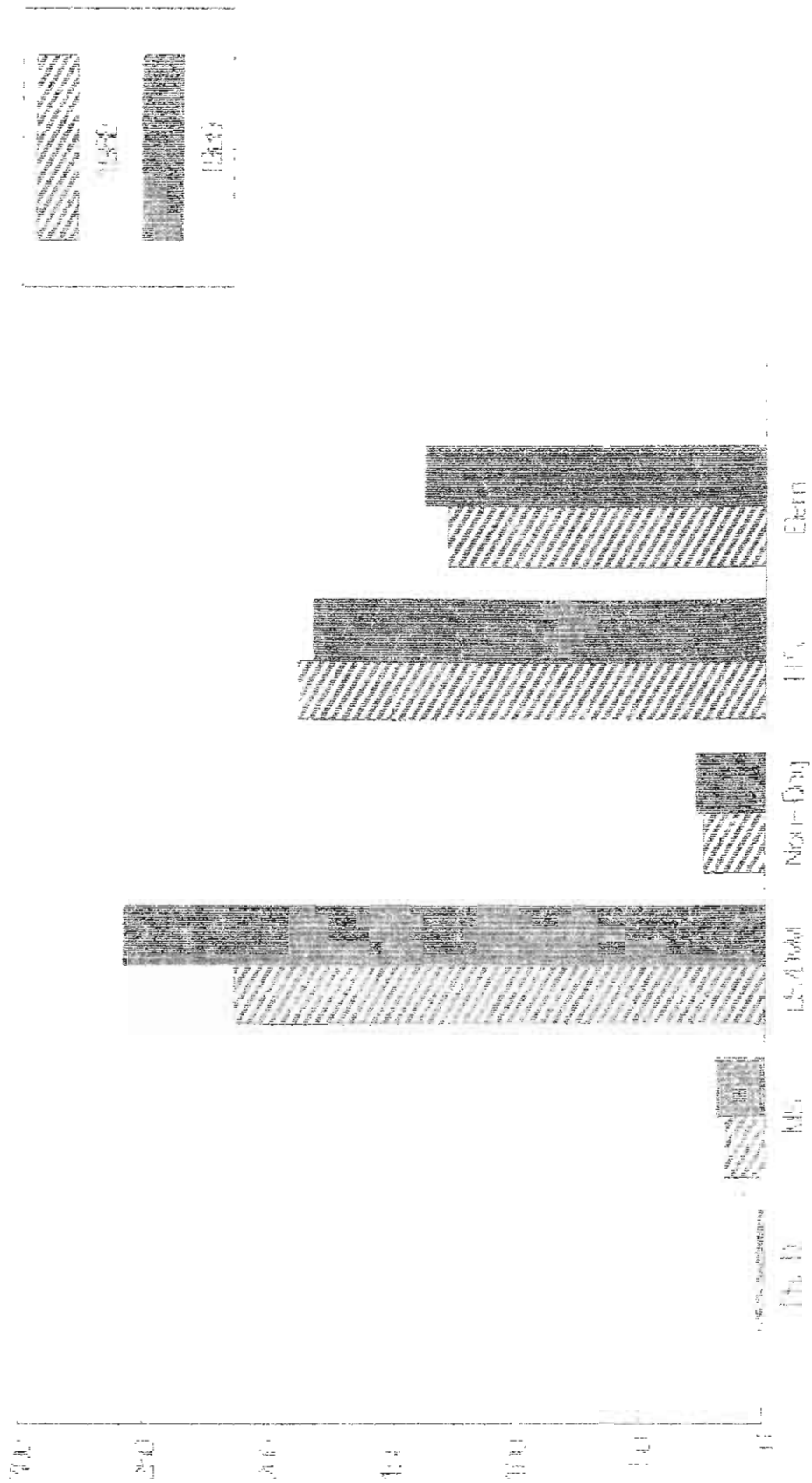
PROGRAM	Number of Graduates		% INCREASE (DECREASE)
	1988	1989	
DEGREE			
Ph. D.	2	2	0
MS	15	19	27
BSA	58	57	(2)
BSAE	67	90	34
BEE			-
BSE			-
ESHE/HT	15	31	107
BSND		8	-
BSEng'g	8	17	113
BSF	32	22	(31)
BSAT	11	7	(36)
DVM	4	8	100
BSAB	18	18	0
Sub-total	230	279	21
Non-degree	24	27	13
Secondary	188	182	(3)
Elementary	128	137	7
Sub-total	340	346	2
TOTAL	570	625	10

The Colleges

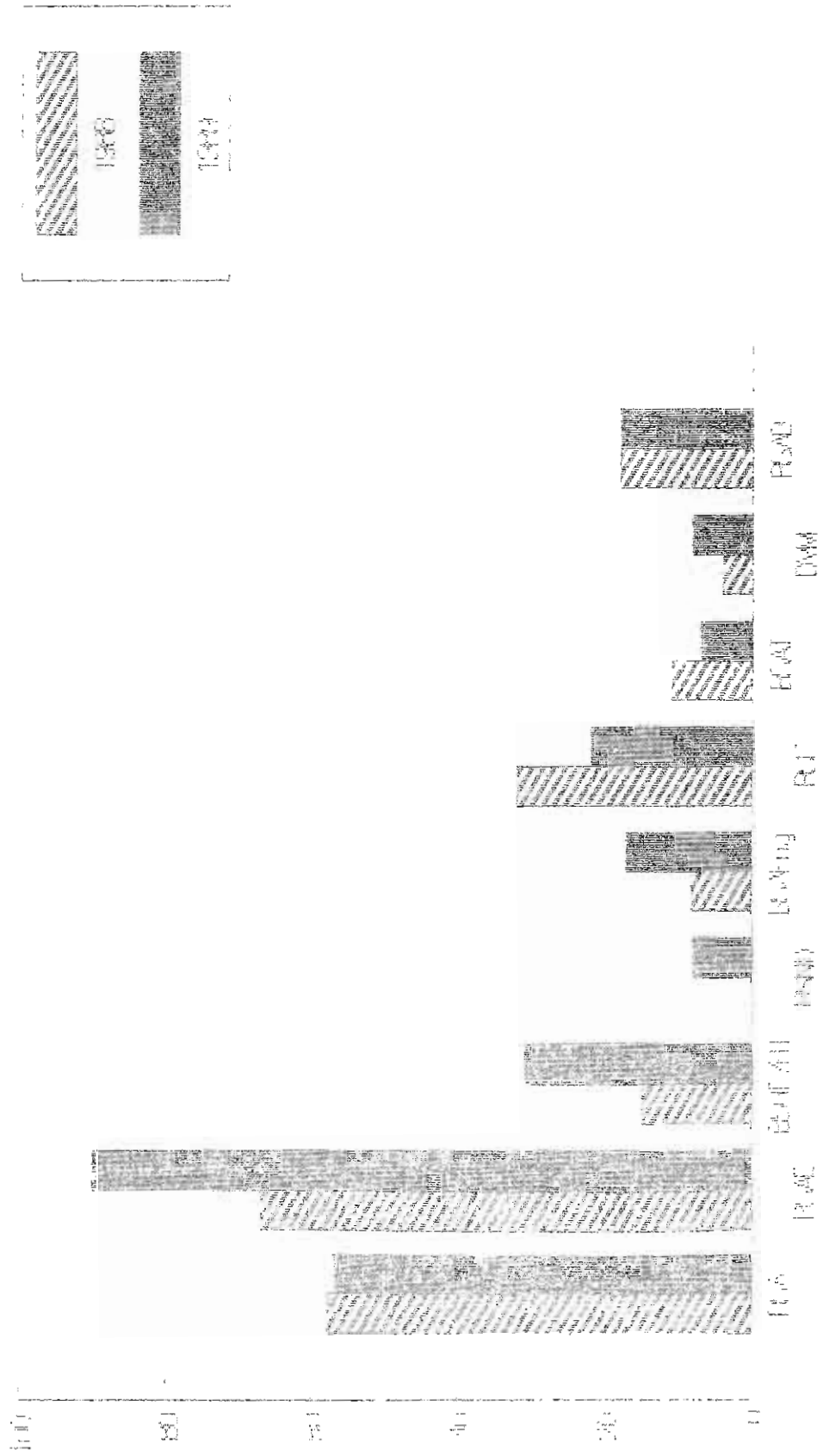
The colleges function according to defined program offerings.

The College of Agriculture (CA). The College of Agriculture continues to provide relevant instruction.

GRADUATION, 1988 & 1989



GRADUATES, BS LEVEI, 1988 & 1989



research activities and extension to its students and to farmers specially from its service area - the Cordilleras. The College intensified its involvement in production activities especially in seed production of selected vegetable crops.

It continues to offer two degree programs: B.S. Agriculture (with eight major fields of specialization). It has six departments: Agricultural Economics and Agribusiness Management, Agronomy-Horticulture, Animal Science, Crop Protection, Extension and Rural Development, and Soil Science.

In addition to instruction, faculty from the college participated as consultants, lecturers, trainers, resource persons, authors and paper presentors in various gatherings among academicians, farmers, researchers and other occupational groups. Likewise, some faculty members engage in research activities outside their regular advisorship of student researches from which there were six published and eight completed research projects on top of scores of on-going projects during the year. Collaborative research efforts were done with various agencies like the PCARRD, SGV Foundation, IDRC, IPB, Jobin Enterprises, HADP, AVRDC, IFS, CARFI, DA, HRDP, National Azolla Action Program.

Extension activities included extension of artificial insemination technology to swine raisers in the community, advising local farmers about problems in animal production, castration, deworming and administration with iron preparation to young pigs, conduct of seminar-workshops on various topics, soil sample analysis and advising farmers on pest and disease problems.

The college has also forged a joint project with the Institute of Plant Breeding on a seed production project in addition to a P 3 million seed production project funded by the USAID and signed between the University and the Department of Agriculture. Also under the college is the Agriculture Technology Education Project under the EDPITAF which started its initial phase of implementation in the University.

College of Applied Engineering and Technology. The College of Applied Engineering and Technology aims to assume a deeper role in the development and utilization of the physical and natural resources of the Cordillera and continue to train skilled manpower along various fields of specialization. The College offers the five-year B.S. Agricultural Engineering course and one-year course in Farm Machinery Technology and in Carpentry and Woodworking Technology.

Sixteen (16) students graduated with the degree of B.S. Agricultural Engineering and 17 graduated with the diploma in applied technology in 1989.

The curricular program in engineering was revised to accommodate computer courses and other electives in lieu of Spanish courses which were made optional.

The college also forged a collaborative research with the Office of Energy Affairs with the establishment of the Affiliated Non-conventional Energy Center (ANEC) where a research project on non-conventional energy utilization is being undertaken.

College of Arts and Sciences. The College of Arts and Sciences is made up of five departments namely: the Biology, Chemistry, Humanities, Math-Physics-Statistics, and the Social Sciences. These departments take charge of all the basic courses required by the different degree programs of the University. These basic courses are usually offered during the first two curriculum years of the degree programs. The College also offers the Bachelor of Science in Applied Statistics (B.S. App. Stat.) and looks forward to having more degree offerings in the future.

Moreover, the College through its various departments undertakes researches within their respective disciplines

and undertakes extension activities in coordination with the Extension Program personnel of the University.

College of Home Economics and Technology. The goal of the College of Home Economics and Technology is to develop competent teachers and nutrition graduates, provide learners in home economics and skilled workers in nutrition and food industries. The college offers B.S. Home Economics, B.S. in Nutrition and Dietetics and the Certificate in Home Management Arts. During 1989, the college had an average of 108 BSHE students, 127 BSND students and 21 HMA students. Nine (9) successfully hurdled the Professional Teachers Board examination while six hurdled the board examination for dietitians with one landing among the top examinees.

Faculty in the college served as project managers in cafeteria, food processing center, bakery and guestel. Some also participated in various seminars and workshops as resource speakers, trainers and demonstrators.

The college has an additional building, the home management building. due to be finished in 1990

College of Forestry. The College of forestry aims to help uplift the socio-economic well-being of the people and to bring about a wholesome environment in the region through responsive forestry education and relevant forestry extension programs. The college offers the four-year B.S.

Forestry and the two-year Agroforestry Technician courses. It had an average of 158 students in the ESF program and an average of 61 in the agroforestry course. Twenty-one (21) graduated in the former while 10 in the latter in 1989.

The college implemented a four-month joint research project with the Department of Environment and Natural Resources and a two-year project with the Rainfed Resources Development Program. From these two projects, the college was able to acquire some P102,000 worth of equipment and supplies in 1989. The college also conducts a year-round seedling dispersal activity which benefits nearby communities.

College of Teacher Education. The College of Teacher Education was established to engage in the task of producing educated teachers in vocational agriculture, elementary and secondary education, and other fields in the tertiary level. The College is composed of four (4) departments: the Elementary Education Training Department (EETD), the Secondary Education Training Department (SETD), the Physical Education (P.E.) and the Department of Agricultural Education (DAE). The DAE offers three degree programs: the BEE, BSE and BSAE.

College of Veterinary Medicine. The College of Veterinary Medicine aims to produce graduates who will help

ease animal health problems and boost animal production as well as produce potential leaders in agriculture and rural development. The college offers two programs: B.S. Animal Technology with a total of 50 students and the Doctor of Veterinary Medicine program with 117 students. Seven (7) graduated in the former while eight graduated in the latter in 1989.

The college also opened the animal clinic during the middle of the year and was able to serve 92 in-patients and 116 out-patients. Faculty of the college likewise rendered vaccination services to animals upon request by community folks.

Faculty Profile

The faculty of the University is composed of 261 members occupying plantilla positions and ten substitutes. The total of 271 is distributed among the seven colleges as shown in Table 3. The College of Teacher Education has the most number of faculty members, more or less than 30% of whom are with the Secondary and Elementary Departments. Next is the College of Agriculture with 69 faculty members. This figure does not include the University President and University Executive Vice President who are also considered faculty members of the CA.

Table 3. Faculty Profile According to Highest Degree Attained and College Assignment

=====				
HIGHEST DEGREE				

COLLEGE	Ph. D	MS/MA/MAT	BS/AB/ DVM/LI.E	TOTAL

CA	15	40	15	70
CAET	0	4	8	12
CAS	9	23	16	53
CHET	1	6	5	12
COF	0	2	10	12
CTE	13	32	58	103
CVM	0	2	7	9

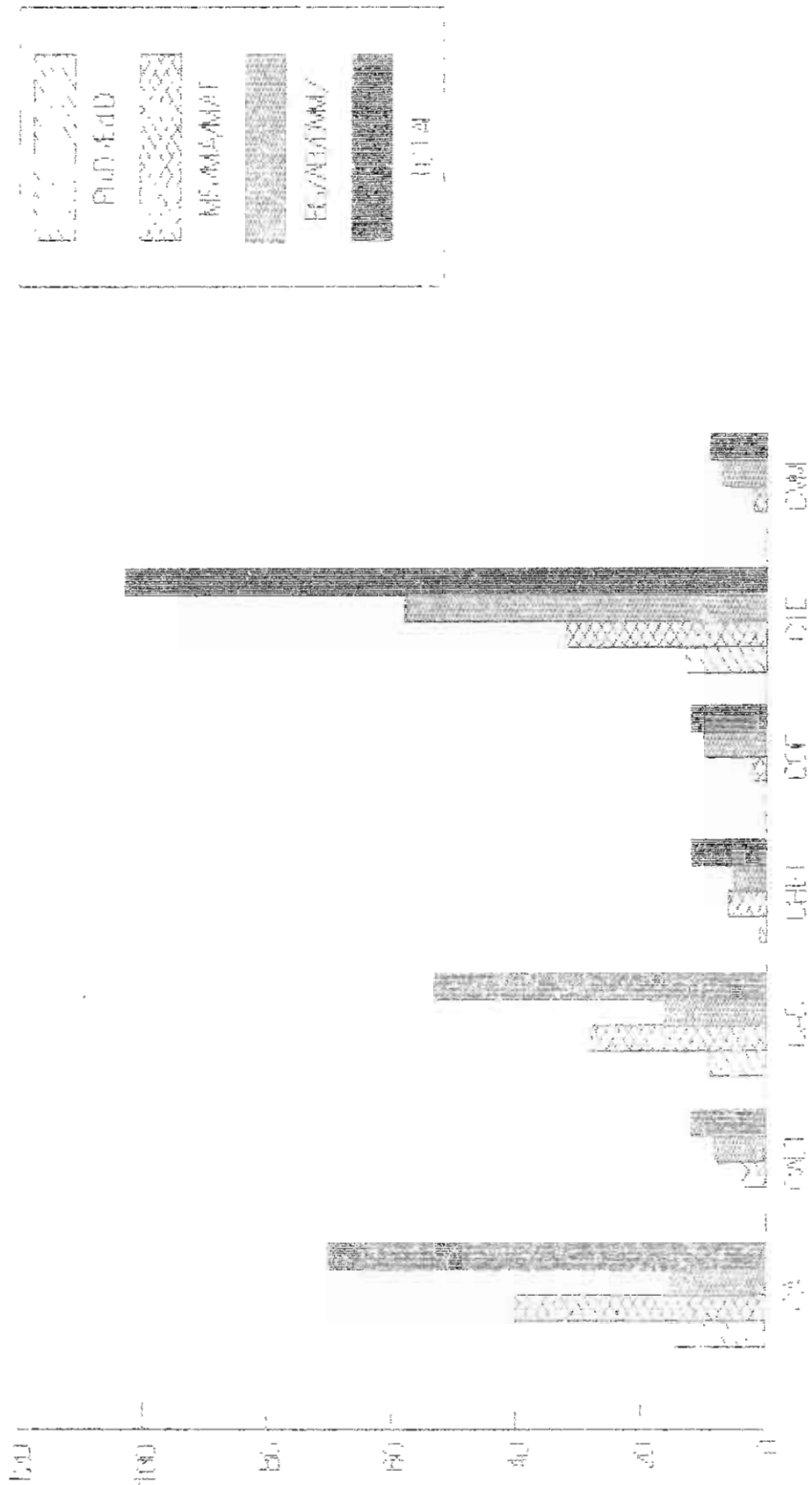
TOTAL	38	114	119 *	271 *
=====				

* Including 10 substitutes

While each of the colleges has its ample share of Master's and Bachelor's degree holders, it can be noticed that there are colleges, specifically the College of Forestry, College of Applied Engineering and Technology and the College of Veterinary Medicine that do not have doctoral degree holders yet.

All in all, the faculty of the University boasts of 38 doctoral, 114 masteral, and 109 baccalaureate degree holders. Compared to 1988 and 1987, there has been an increase in the number of doctoral and masteral degree holders among the faculty. This indicates that there is faculty development in terms of the highest degree attained.

FACULTY BY LUTFEE AND ALBERTS, 1989



FACULTY DIGRESSIONS, 1987, 1988, 1989

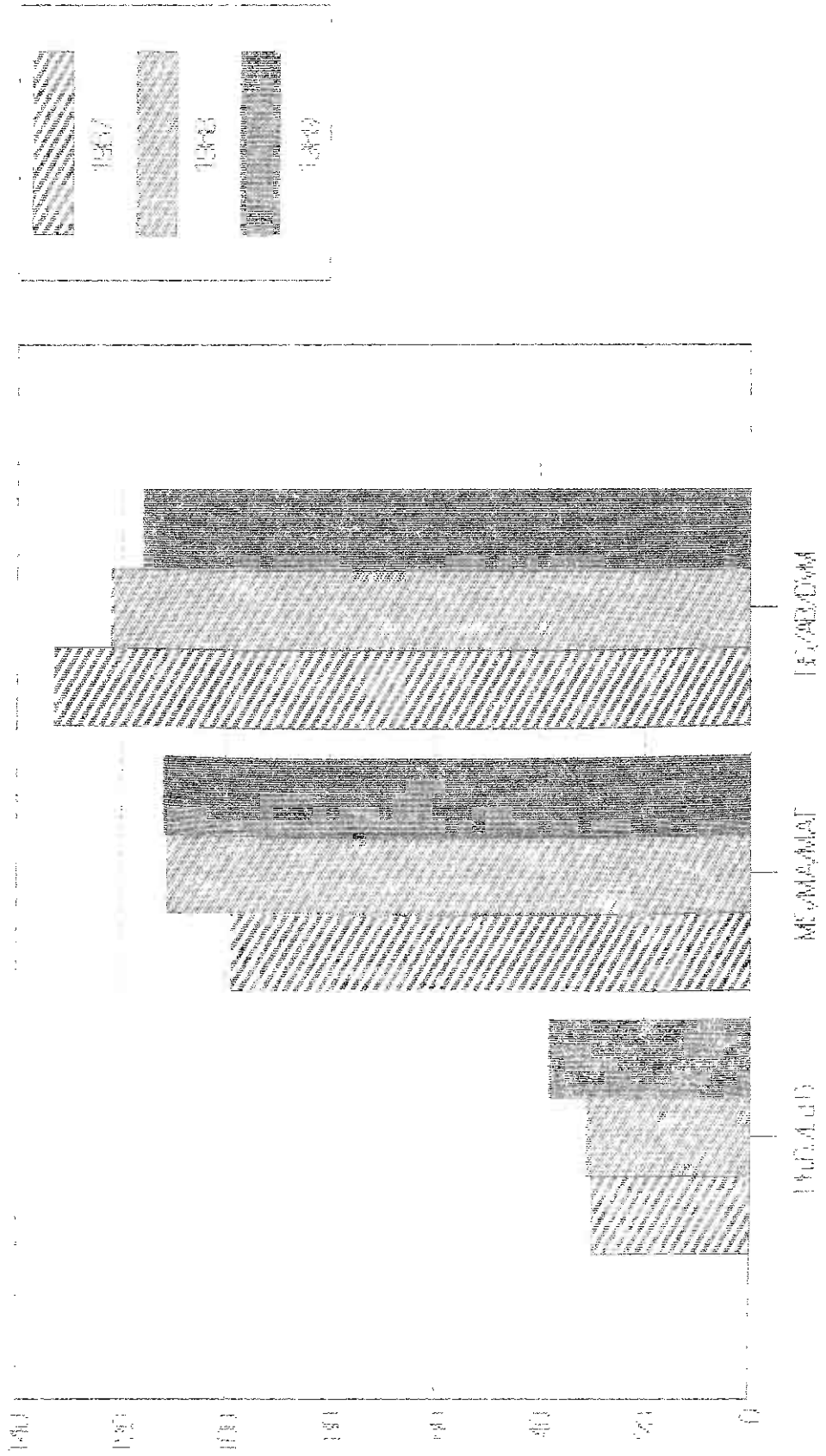


Table 4. Faculty Profile by Highest Degree Finished

EDUCATIONAL QUALIFICATION	1987	1988	1989
Ph. D. / Ed. D	30	31	38
MS / MA / MAT	99	111	114
BS / AB / DVM	133	122	109
TOTAL	262	264	261

Table 5 shows the distribution of the faculty members according to academic rank. There are 29 professors, 45 associate professors, 93 assistant professors, and 94 instructors. The academic rank movement as a result of the NCC evaluation being carried out is lesser from 1988 to 1989 than from 1987 to 1988. Nevertheless, there is a slight increase in the number of professors/associate professors/assistant professors and a decrease in the number of instructors from 1988 to 1989.

Faculty Development

Strongly motivated by the benefits of the NCC evaluation and other opportunities, several faculty members have pursued higher degrees and participated in training courses, seminar-workshops, conferences, conventions. This is shown in the following tables.

Table 5. Faculty Profile by Academic Rank

ACADEMIC RANK	1987	1988	1989
Professor VI	11	15	19
Professor V	2	3	3
Professor IV	1	2	2
Professor III	3	2	0
Professor II	1	2	4
Professor I	3	3	1
Sub-total	21	27	29
Assoc. Professor VI	3	4	8
Assoc. Professor V	7	11	10
Assoc. Professor IV	9	7	6
Assoc. Professor III	5	4	7
Assoc. Professor II	6	5	4
Assoc. Professor I	6	9	10
Sub-total	36	40	45
Assist. Professor VI	13	15	14
Assist. Professor V	13	18	17
Assist. Professor IV	17	16	19
Assist. Professor III	19	12	12
Assist. Professor II	8	13	15
Assist. Professor I	14	18	16
Sub-total	84	92	93
Instructor VI	43	42	35
Instructor V	28	20	26
Instructor IV	20	18	13
Instructor III	15	12	12
Instructor II	7	2	2
Instructor I	8	3	6
Sub-total	121	103	94
GRAND TOTAL	262	262	261

In 1989, there were four and six who finished doctoral and masteral degrees, respectively. A total of 227 attended training courses/seminar - workshops/conferences/conventions/research reviews in their respective fields of specialization. These were either at the local, regional, national or international level.

Table 6. Number of Faculty Members Who Completed Graduate Degrees, 1989

=====			
DEGREES			
COLLEGES	MS/MA	Ph.D./Ed.D	TOTAL

CA		1	1
CAET			
CAS	3	1	4
CHET	1		1
COF			
CTE	2	2	4
CVM			

TOTAL	6	4	10
=====			

As of writing, there are still a number of faculty members pursuing higher degrees as shown in Table 8. Some of them are beneficiaries of scholarships and some are self-supporting.

Table 7. Number of faculty members who attended training courses/seminar-workshops/conferences, etc.

LEVEL				
COLLEGE	LOCAL/ REG'L	NAT'L	INT'L	TOTAL
CA	21	41	11	73
CAET	1	3		5
CAS	12	40		52
CHET	4	14	0	18
COF				0
CTE	38	17	2	57
CVM	9	12	1	22
TOTAL	85	128	14	227*

NOTE: Those who have attended more than one activity were counted as often as their frequency of attendance.

Table 8. Number of Faculty Members Who Are Pursuing Graduate Degree

DEGREE				
COLLEGES	MS/MA	Ph.D./Ed.D	POST DOCTORAL	TOTAL
CA	2	9	1	12
CAET	3			3
CAS	14	15		29
CHET	4	2		6
COF	8	2		10
CTE		1		1
CVM	1			1
TOTAL	32	29	1	62

Curriculum and Instruction Development Efforts

To suit the changing needs and demands of the different curricular offerings, the seven colleges implemented revisions/additions that enriched the existing curricula and improved instruction as well.

Most of the colleges updated course syllabi, laboratory manuals and other instructional materials. With this is the procurement/acquisition of additional materials.

The College of Applied Engineering and Technology implemented the revised BSAEng'g curriculum which includes computer courses in lieu of the Spanish courses which were made optional courses. Similarly, the College of Agriculture integrated the basic computer course as applied to Agribusiness and Agricultural Economics courses.

The College of Arts and Sciences centered more on instruction development by encouraging the students to utilize the faculty consultation hours and by making possible the observation of the faculty members by their respective department chairmen or by the dean.

The College of Forestry offered the FRM 30 (Parks and Outdoor Recreation) for the first time. This is one of the two subjects mandated by the TPAAE as a result of DECS Order No. 35, s. 1987. Aside from this, field trips were

organized for students to have practical application of their knowledge.

The College of Veterinary Medicine evaluated and updated the existing course offerings of its two degree programs (BSAT and DVM). The DVM curriculum now includes the following areas: (1) two year preparatory veterinary medicine, (2) basic animal science, and (3) medical sciences which consist of pre-clinical and clinical courses.

In the College of Teacher Education, the Secondary Education Training Department offered Reading I in the Special Agricultural Science Curriculum. The department also implemented the New Secondary Education Curriculum (NSEC) for the school year 1989-1990.

The College of Home Economics and Technology advertised the new course offering "Certificate in Home Management Arts".

Physical Resource Improvement

Improvement of physical resources in 1989 were in terms of new constructions, acquisitions and repairs/renovations.

The construction of the Agri-Tech Project (ATEP) Research Building and the proposed College of Agriculture Building-Phase I has already started and that of the College of Veterinary Medicine Building-Phase II continued. For the

College of Home Economics and Technology, two classrooms were constructed at the basement of the Food Processing Center. Repairs on defective classrooms and the plumbing system in CVM buildings were also carried out.

A number of materials and equipment were acquired from the general fund of the University as well as from outside-funded projects. Several computer units were purchased and distributed to academic and administrative units through the BSU general fund. Some were acquired from projects funded by the RRDP and DENR, IDRC and the GSDF. Different laboratory equipment, chemicals and office supplies were likewise acquired through research projects conducted by faculty in collaboration with research insitutions.

Other improvement efforts include the painting of blackboards in the College of Arts and Sciences and the construction of shaded walk at the Elementary Department.

Student Services

The different student services offered by the University are delivered by the following offices under the Office of Student Affairs.

Student Financial Aid Office (SFAO). The SFAO facilitates the delivery of educational assistance benefits enjoyed by some students in the University. These educational grants are sponsored by the national government,

the University Administration and one private organization. For schoolyear 1989-1990, a total of 264 and 214 scholars/grantees registered in the 1st and 2nd semester, respectively. Table 9 shows the different educational assistance programs and the corresponding number of beneficiaries.

Guidance and Counseling. The Guidance and Counseling Office offers to help the students make maximum use of his educational opportunity that will enable him to develop his potentials and become an effective member of society. Services rendered by the Office include counseling, testing, follow-up, information and inventory services. These are shown in Table 10.

Placement Office. The Placement Office helps the graduates of the University avail of job opportunities by coordinating with employment agencies and giving out information to prospective applicants. A total of 184 students/graduates were recommended and guided in landing a job as casual or contractual employees, or as permanent employees for those with civil service eligibilities. The office also keeps track of the employment of the graduates. One major finding is that not all BSU graduates landed jobs which they were trained for.

Table 9. Number of scholars/study grantees enrolled,
1st & 2nd semester SY 1989-1990

Scholarship/Grant	Semester	
	1st	2nd
I. National Scholarships		
1. State Scholarship Program (SSP)	1	1
2. National Integration Study Grant Program (NISGP)	23	24
3. Selected Ethnic Group Educational Assistance Program (SEGEAP)	24	32
4. Study-Now-Pay-Later-Plan (SNPLP)	14	15
Sub-total	62	72
II. SCU's/Administration		
1. BSU-CAR	22	22
2. GLEE Club	30	30
3. Highland Cultural Troupe(HCT)	20	25
4. Citizen Military Training	13	13
5. Athletic	10	10
6. Barangay	96	31
Sub-total	191	131
III. Private		
1. ZONTA Club of the Philippines, Baguio	11	11
Sub-total	11	11
TOTAL	264	214

Table 10. Guidance and Counselling Services

SERVICES	NO. OF CLIENTELE
I. Counseling Services	
a. Students with failing grades	29
b. Emotional/personal problems	216
c. Transferees	39
II. Testing Services	
a. IQ test for college students	485
b. Graduate students	11
c. SETD Entrance Test for Freshmen	254
d. SETD qualifying test for transferees	16
e. SETD Science Qualifying Test	49
III. Follow-up Services	
a. Home visitation	77
b. Hospital visitation	65
IV. Information Services	
a. College Freshmen Orientation	485
V. Inventory	
a. Personal Data Forms	575
b. Character References	250
c. Recording of students' grades	1518

Student Organizations. The Office of Student Affairs also monitors the 28 student organizations recognized in the University. This number includes both the co-curricular and extra-curricular organizations. The following list shows the names of these organizations.

1. Supreme Student Council (SSC)
2. Agro-Horti Society
3. Agri-Business and Economics Majors (ABEMS)
4. Extension and Rural Development Volunteers Club (ERDV)
5. Future Foresters' Society (FFS)
6. Future Farmers of the Philippines- College Chapter (FFP-CC)
7. Future Agricultural Homemakers of the Philippines (FAHP)
8. Future Agricultural Educators' Society (FAGES)
9. Philippine Association of Nutrition - BSU Chapter (PAN-BSU Chapter)
10. Philippine Society of Agricultural Engineers (PSAE)
11. Society of Animal Science (SAS)
12. Veterinary Science Club (VSC)
13. Youth Community Service Club (YCSC)
14. CMT Spearhead Organization
15. Baguio-Benguet League Against Drug Abuse (BABE-LEADA BSU Chapter)
16. BIBAK BSU Chapter
17. BSU-CMT Self-Defense Club
18. Philippine Collegiate Association for the Research of Principles (CARP)
19. League of Allied Universitarians (LAU)
20. AGAPE Campus Fellowship
21. Campus Crusade for Christ (CCC)
22. Student Catholic Action (SCA)
23. Student Christian Fellowship

Residence Halls. The Ladies' and Men's Dormitories cater to the housing needs of students and some of the employees as well. The Ladies Dormitory with a maximum occupancy of 200 was occupied by an average of 139 and 138 per month for the first and second semesters, respectively, of school year 1989-1990. Likewise, the Men's Dormitory with a maximum occupancy of 140 was occupied by an average of 84 and 76 per month for the first and second

-semesters, respectively, of the same school year. The rate of occupancy for the Ladies' Dormitory (59.5%, 1st sem.; 69%, 2nd sem.) and that of the Men's Dormitory (60%, 1st sem.; 54%, 2nd sem.) indicate that the Residence Halls could have been availed of by more students had they opted to.

Ironically, however, the foremost problem as reported by the dorm managers (men's and ladies') is the inadequacy/absence of space and/or facilities (i.e. lavatories, kitchen lockers, study halls, etc.). There is a need therefore for the maximum occupancy number, which is actually based on the number of double bunk beds arranged in each room without ample space left for mobility, to be reviewed in order to fit the needs of dormitorians.

The University Library Service. The University Library Services, a unit under the Vice-President for Academic Affairs, is tasked mainly to help build capabilities and competence of university students, faculty, staff, researchers and scholars through well-stock, relevant quality library collections. The existing library collections have been enriched with the acquisition of books (4,572 volumes) and other materials (575 volumes) as shown in Table 11. Other services disposed off by the ULS include library orientation lectures and tours, intra-library access

through library consortium among libraries in other schools/agencies, and reproduction services.

The ULS was also able to establish linkages with 16 international and 18 local agencies that have donated books and other publications to the BSU Library.

Table 11. Materials received by the University Library

Materials	No. of Volumes
A. Books	
University (Main Library)	2,075
Secondary Libraries	2,233
Elementary	264
Sub-total	4,572
B. Theses	204
C. Pamphlets	300
D. Serials Titles	35
Gifts	32
Exchange	3
TOTAL	5,146

Health Services. The Health Services which is under the Office of the Vice-President for Academic Affairs primarily caters to the health needs of the university population composed of students, employees and employees' families. For the year 1989, a total of 1,759 consultations were carried out, 214 immunizations given and 182 accident

cases were treated. Among the top diseases that inflicted BSU people are typhoid fever, hepatitis, chickenpox, respiratory and gastro-intestinal disorders. There were also a few cases of malaria and tetanus.

Table 12 shows the medical cases and communicable diseases diagnosed in the University in 1989.

Special Cultural Office. The Special Cultural Office is mandated to gather, integration of the socio-cultural heritage of the various tribes of the mountain region into the national social milieu.

Table 12. Medical Cases, 1989

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I. Cases found by systems	No. of Cases
a. HEENT (Head, Eyes, Ears, Nose & Throat)	259
b. Respiratory	239
c. Cardiovascular	36
d. Gastrointestinal	122
e. Reproductive & Genitourinary	30
f. Integumentary	56
g. Skeleto-muscular	166
h. Nervous System	10
II. Communicable Diseases:	
a. Influenza	44
b. Measles	12
c. Chickenpox/nerpes zoster	19
d. mumps	3
e. Conjunctivitis of Herpesvirus	27
f. Scabies, fungus, eczema, etc.	32
g. Hepatitis	7
h. Typhoid Fever	32
i. PTB Suspects	10
j. Malaria	2
=====	

During the year in review, the Office received book donations from the Asia Foundation, Darwin Plan Inc., and the Swiss Embassy. and also some paintings depicting Cordillera lifeways from private citizens. Aside from these acquisitions, the Office participated in some activities which enabled the curator to gain some insights on improving the museum.

RESEARCH SERVICES

As a regular institutional function, research is undertaken based on local and regional priority areas and in line with national development goals. The outputs of research in terms of information, knowledge or technological innovations are utilized by the University in enriching its instructional programs and strengthening its extension and production projects as well as are applied in the development of the service areas of the institution.

Coordination of research activities rests on the Office of the Director of Research (ODR) which serves under the office of the Vice-President for Research and Extension. The following research institutes/centers were created in the University to implement research projects in their areas of concern: Northern Philippines Root Crops Research and Training Center (NPRCRTC), Horticulture Research Training Institute (HORTI), Institute of Highland Farming Systems (IHFS), Highland Agro-forest Research Institute (HAFI), and Highland Socio-Economic Research Institute (HSERI).

The research institutes/centers in 1989 had one hundred forty four (144) personnel distributed as follows: NPRCRTC - 57, HORTI - 51, IHFS - 11, HAFI - 24, HSERI- 1. Some of these personnel were detailed from the Colleges to perform administrative functions in the management of research

projects while the rest were research specialists or assistants/aides and supportive personnel.

The facilities utilized for the various research activities included 62 hectares of field experiment area, 10 green houses, some laboratory rooms and other buildings, laboratory and field equipment, and computer service.

Significant Information/Breakthrough

Some of the significant research information/breakthroughs generated in 1989 were:

White Potato. (a) Promising clones/lines of white potato for highland areas include Baraka, ASN 69-1, Famosa. 78-2, 8302-0-1857; (b) stem cutting of white potato grown in trays or banana potlets as alternative planting materials.

Sweet Potato. (a) Leaves of sweet potato vines for planting are trimmed leaving 3 tip-most leaves then planted or vines are hardened/stored for three (3), six (6) or nine (9) days before planting; (c) topping 6, 8, 10, 12, or 6, 8, 10 or 12, 14, 16 weeks after planting does not affect the storage root yield of sweet potato using kalbo-oy variety.

Taro. a) Use of big or medium mother corms or medium cormels as planting materials in Taro effect higher corm and cormel yield; however, better shape quality of harvested corms is attained by using medium sized cormels;

(b) removal of petioles in Taro for food and feed does not significantly affect corm yield; however, cormel yield decreases by maintaining two (2) or three (3) petioles on a standing crop; (c) Transport containers that could be used for unwashed corms are thick-laced bamboo baskets with or without liners or sacks and for washed corms, baskets with liners of polypropylene sacks or dried banana leaves are used to protect corms from damage.

Cabbage. (a) Subjecting seeds at radicle break at ^o ±5 C for twenty eight (28) days enhances flowering of Chinese cabbage leading to the development of seeds at 1.7 t/ha; (b) soil application of calcium cyanamide (Perika) at 1 t/ha effectively controls club root disease affecting cabbage and improves crop growth and development.

Garden Pea. (a) Promising entries/lines of garden pea for highland conditions are: 2636490, 261659, BSU selection No. 1, Sugar Snap, Sweet Snap, Chinese Dark Green.

Snap Bean. (a) Promising entries of snap bean for highland conditions are. bush snap bean - Bush Blue Lake 274, Cape, Win; pole snap bean - Blue Lake, BSU Selection No. 1, EPI Regional Selection No. 1, Aino.

Mushroom. (a) Use of Benomyl and Vitigram Blue completely control Penicillium button dry rot and effect high yield of French button mushroom; (b) use of black loam

soil at pH 7.0 is an ideal casing soil for French button mushroom.

Total Number of Researches

A total of 140 researches were listed in 1989. Eighteen (18) were published, thirty one (31) were completed, ninety one (91) are on-going, twenty one (21) were proposed of which sixteen (16) were approved for implementation.

Of the eighteen (18) published researches, fourteen (14) were from the NPRCRTC, and four (4) from the HSERI. The thirty one (31) completed researches were distributed as follows: thirteen (13) from NPRCRTC, eight (8) from HORTI, one (1) from IHFS, one (1) from HSERI, four (4) from the College of Agriculture (CA) and four (4) from the College of Arts and Sciences (CAS). Of the ninety one (91) on-going researches, sixty one (61) were from NPRCRTC, seventeen (17) from HORTI, three (3) from IHFS, three (3) from HAFI, one (1) from HSERI and six (6) from CA. Of the twenty one (21) proposed researches, seven (7) were proposed by NPRCRTC, eight (8) by HORTI, four (4) by IHFS, and two (2) by HSERI. Six (6) researches from NPRCRTC were approved for implementation, likewise, six (6) researches from HORTI were approved, three (3) from IHFS, and one (1) from HSERI.

Of the one hundred forty (140) researches, eighty eight

(88) were contributed by NPRCRTC, twenty five (25) by HORTI, four (4) by IHFS, three (3) by HAFI, six (6) by HSERI, ten (10) by CA and four (4) by CAS.

COMPLETED RESEARCHES

	TITLE	RESEARCHERS	FUND SOURCE
NPRCRTC			
<u>White Potato</u>			
1.	Management of Potato Late Blight by Combination of Varietal Resistance with Minimal Fungicide Application (Trial 1)	J. C. Perez/ R. B. Contada	BSU
2.	Insecticidal Screening Against Mole Cricket, Cutworm and Whiteflies Attacking White Potato (Trial 1)	G. S. Backian/ J. C. Perez	BSU
3.	Yield Verification on CaC2 to Break Potato Dormancy	V. B. Salda	BSU
4.	Assessment of White Potato Demand in Some Lowland Areas	B. T. Gayac/ J. M. Sim	BSU
<u>Sweet Potato</u>			
5.	Evaluation of Source of Planting Materials in Vine Portion of Sweet Potato	L. M. Pacuz	BSU
6.	Appropriate Techniques for Preparing Sweet Potato Vins for Planting	E. T. Balaki	BSU
7.	Planting Distance on Sweet Potato	L. M. Pacuz	BSU
8.	Planting Density on Sweet Potato	L. M. Pacuz	BSU

Taro

9. Assessment of Taro Quality at Harvest E. V. Bayogan IFS/BSU
10. Assessment of Post-Production Practices in Highland Taro and Yam E. V. Bayogan IFS/BSU
11. Market Handling Practices for Taro and Yam E. V. Bayogan IFS/BSU
A. T. Botangen
12. Simple Stores for Taro Corms E. V. Bayogan IFS/BSU
A. T. Botangen
13. Market Demand for Taro in Baguio City and San Fernando, La Union Representing Local Market Outlets of Community-Based Producers B. T. Gayao/
J. M. Sim BSU

HORTI

Crop Improvement

14. Variety Performance Trial on Cabbage P. B. Alipit BSU
15. Collection and Varietal Evaluation of Chrysanthemum A. G. Ladilad BSU
16. Flower Induction and Seed Production of Chinese Cabbage P. E. Toledo BSU

Crop Management

17. Effect of P and K on the Performance of Cabbage P. B. Alipit BSU
18. Performance of Cabbage as affected by calcium cyanamide application P. B. Alipit BH-BSU
19. Influence of Kind and pH of Casing Soil on French Button Mushroom B. S. Tad-awan BSU

20. Growth, Flowering and Yield of
Carnation and Poinsettia as
Affected by Different Rates of
NPK Fertilizer Application A. G. Ladilad BSU
- Crop Protection
21. Control of Penicillium Dry
Rot Attacking French Button
Mushroom B. S. Tad-awan BSU
- IHES
22. Performance of Cross-breed Swine
Under the Farmers System of
Management in some Barangays in
the Cordillera Region D. Q. Casiwan FORD
and N. Pilayan Fdn/
BSU
- HSERI
23. A Study of Linkages between Agri-
cultural Research and Technology
Transfer H. Francisco -
- CA
24. Nursery Observation on Tolerance
of Rice Lines M. Cadatal IRRI-BS
25. Varietal Trials on Crucifers M. Cadatal ABC
26. Adaptability Trials of Newly
Acquired Foreign Citrus Varieties
Under La Trinidad Conditions A. Tipayno -
27. Symbiotic N₂-Fixation in some
Mombusho Cultivated Legumes
of the Philippines T. Marestela -
- CAS
28. Stepwise Discriminant Analysis
of College Algebra Students
Using Selected Variables C. Aquitania -

- | | | | |
|-----|---|-----------|---|
| 29. | Job Satisfaction of College Faculty in State Colleges and Universities in CAR | R. Gualdo | - |
| 30 | Effect of Granular Foliar Fertilizer on the Yield of Cabbage and Gladiola | L. Lirio | - |
| 31. | Effect of Humic Acid on the Growth Yield of Cabbage and Potato | L. Lirio | - |

ON-GOING RESEARCHES

NPRCRTC

White Potato

- | | | | |
|----|--|---------------|----------|
| 1. | Evaluation of Various White Potato Germplasm for Adaptation and Yield | F.S. Balog-as | CIP/BSU |
| 2. | Regional Yield Trial on White Potato | E. O. Badol | BSU |
| 3. | Evaluation of white Potato Clones for Yield and Resistance to <u>P. Infestans</u> | E. O. Badol | CIP/BSU |
| 4. | Evaluation of White Potato Advanced Clones and Cultivars for Yield and Resistance to <u>P. Infestans</u> | E. O. Badol | HADP/BSU |
| 5. | Tissue Culture (Evaluation, Multiplication and Maintenance Studies/Activities of Selected White Potato Clones and Cultivars) | J. M. Sim | HADP/BSU |
| 6. | Evaluation and Multiplication of Promising Clones and Cultivars Using RMT | P. A. Dalang | HADP/BSU |
| 7. | On-farm Evaluation of Promising White Potato Selections Using RMT | D. K. Familan | CIP/BSU |
| 8. | Farmer's Evaluation and Adoption of RMT on White Potato | D. K. Familan | CIP/BSU |

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| 9. | Comparison of Seedtuber Versus Stem Cuttings | H. E. Torres | BSU |
| 10. | Optimum Plant Density Study for Seed and Table Production | P. A. Dalang | BSU |
| 11. | Nitrogen Fertilizer on White Potato Stem Cuttings | W. L. Marquez | BSU |
| 12. | Rotation Cropping on White Potato, Cabbage, Legumes | H. E. Torres | BSU |
| 13. | Evaluation of Indigenous Plant Materials for the Control of Major Insect Pests | J. C. Perez | BSU |
| 14. | Evaluation of Indigenous Plant Materials for the Control of Major Root Crop Diseases | T. C. Diccion/
J. C. Perez | BSU |
| 15. | Insecticidal Screening Against Mole Cricket, Cutworm and Whiteflies Attacking White Potato | G. S. Backian/
J. C. Perez | BSU |
| 16. | Management of Potato Late Blight by Combination of Varietal Resistance with Minimal Fungicide Application | J. C. Perez/
T. C. Diccion | HADP/BSU |
| 17. | Potato Tubermoth Incidence During Storage and Control Using Biological and Indigenous Materials | J. C. Perez/
E. V. Bayogan | BSU |
| 18. | Evaluation of Cross Protection Provided by Avirulent <u>P. Solanacearum</u> <u>Bacteracin</u> Production Strains <u>Bacillus sp.</u> and Potential Isolates Against Bacterial Wilt | T. C. Diccion/
J. S. Luis | HADP/BSU |
| <u>Sweet Potato</u> | | | |
| 19. | Germplasm Collection, Maintenance and Characterization of Sweet Potato | L. L. Tandang | IRDC/BSU |
| 20. | Storage Evaluation of Promising Sweet Potato Clones | V. B. Salda | BSU |

21.	Preliminary Yield Trial on Sweet Potato	M. B. Baucas/ E. O. Badol	IRDC/BSU
22.	Regional Yield Trial on Sweet Potato	E. O. Badol	VISCA BSU
23.	General Yield Trial on Sweet Potato	M. B. Baucas/ J. S. Luis	IRDC/BSU
24.	Evaluation of Sweet Potato Clones for Their Eating Qualities	V. B. Salda	BSU
25.	Variety Evaluation of Sweet Potato as Feeds for Swine	V. B. Salda	HADP/BSU
26.	Utilization of Residual Fertility of Sweet Potato	V. A. Macario	HADP/BSU
27.	Topping Study on Sweet Potato	P. A. Dalang	BSU
28.	Vine Lifting Study on Sweet Potato	L. M. Pacuz	HADP/BSU
29.	Seasonal Fluctuation, Ecological Succession and Identification of Sweet Potato Insect Pests and Their Natural Enemies	M. B. Babac	BSU
30.	Maleic Hydrazide Use on Sweet Potato	A. T. Botangen	BSU
31.	Post-harvest Quality of Sweet Potato Harvested by priming	A. T. Botangen	BSU
32.	Assessment of Post-Production Practice in Sweet Potato	E. V. Bayogan	IRDC/BSU
33.	Use of Locally Available Containers in Transporting Sweet Potato	A. T. Botangen	IRDC/BSU
34.	Dark and Diffused Light Storage of Sweet Potato	E. V. Bayogan	BSU
35.	Evaluation of Indigenous Sweet Potato Stores	E. V. Bayogan	BSU

36. Village-level Storage of "Buko" E. V. Bayogan/
A. T. Botangen/
V. B. Salda BSU
- Taro
37. Germplasm Collection, Manintenance and Characterization of Taro J. G. Dati IFS/BSU
38. Preliminary Yield Trial on Taro J. G. Dati IFS/BSU
39. Regional Yield Trial on Taro I.C. Gonzales BSU/VISCA
40. Evaluation of Indigenous Fertilizer Materials on Subsistence Taro Production H. B. Torres HADP/BSU
41. Utilization of Residual Fertility by Taro from Existing Farming System W. L. Marquez BSU
42. Effect of Plant Spacing and Intercropping on the Spread of Taro Leaf Blight (P. Solanacearum) T. C. Diccion/
J. C. Perez BSU
43. Depth of Planting on Taro I.C. Gonzales HADP/BSU
44. Mulching Study on Taro V. A. Macario HADP/BSU
45. Collection, Identification of Major Diseases of Taro in the Highland J. C. Perez BSU
46. Evaluation of Taro as Feeds for Swine J. G. Dati HADP/BSU
47. Postharvest Quality of Taro as Affected by Maturity E. V. Bayogan/
I. C. Gonzales BSU
48. Village-level Curing and Storage for Highland Taro E. V. Bayogan
E.T. Botangen IFS/BSU
49. Socio-Economic Importance of Taro and Galiang in the Cordilleras B. T. Gayao/
J. M. Sim BSU
- Yam
50. Yam Germplasm Collection and Maintenance D. K. Familan BSU

51.	Germplasm evaluation Using Single Node system	I. C. Gonzales	BSU
52.	Preliminary Yield Trial on Yam	D. K. Familan	BSU
53.	Analysis on the PMC System of Yam in Mid-elevation Areas of Luzon	B. T. Gayao/ J. M. Sim	BSU
54.	Effect of Depth Planting on the Growth of Cuttings	C. G. Kiswa	BSU
55.	Use of CaC ₂ in Yam	V. B. Salda	BSU
56.	Use of Appropriate Container for Yam	E. V. Bayogan/ A. T. Botangen	IFS/BSU
57.	Storage Methods for Yam	E. V. Bayogan/ A. T. Botangen	IFS/BSU
	<u>Cassava</u>		
58.	Survey of Cassava Production Areas and Practices in the Highlands	J. M. Sim/ B. T. Gayao	BSU
	<u>Other Researches</u>		
59.	Verification Study on Root Crop-based Rations for Fattening Hogs in Benguet and Mt. Province	B. B. Luis/ M. B. Atinyao	HADP/BSU
60.	Agricultural/Livelihood Profile Survey of Some Barangays in the Cordilleras	B. T. Gayao et. al.	BSU
61.	Three Years Assessment of Intensively-Cropped Soils	W. L. Marquez	BSU
	<u>HORTI</u>		
	<u>Vegetable Crops</u>		
62.	Flower Induction and Seed Production of Cauliflower and Carrot	P. E. Toledo	BSU
63.	Integrated Cabbage Research Program	P. B. Alipit	BSU
64.	Hybridization and Testing of Garden Pea Cultivars	L. L. Tandang	BSU

65.	Snap Bean Research and Development Program	F. S. Borja/ P. E. Toledo	BSU
66.	Highland Mushroom Research and Development Program	P. E. Alipit/ B. S. Tad-awan	BSU
67.	Vegetable Seed Production Development Program in the highlands	P. E. Toledo	USAID/ DA
68.	Effect of Various Treatments on the Control of Cracking/Forking of Carrot Storage Roots	S. L. Kudan	HADP/ BSU
69.	Effect of Boron Application on the Occurrence of Curd Rot in Cauliflower	P. E. Toledo	HADP/ BSU
70.	Determination of Growth Stage of Crucifers Susceptible to DBM Attack	B. S. Ligat	HADP/ BSU
71.	Determination of the Degree of Injury by DBM that is Tolerable by the Plant to Produce Yield	B. S. Ligat	HADP/ BSU
72.	Verification of Recommended Insecticides Against DBM in Benguet and Mt. Province	E. V. Cardona, Jr.	HADP/ BSU
<u>Fruit and Plantation Crops</u>			
73.	Multi-location Trials of Apples in Benguet and Mt. Province	E. B. Dimas	BSU
74.	Apple Development Project	E. B. Dimas	PCARRD/ BSU
75.	Crop Protection Studies on Selected Fruit Tree and Plantation Crops in the Highlands	L.M.Villanueva	BSU
76.	Crop Protection and Cultural Management Studies on Strawberry	E. B. Akiew/ E. T. Balaki	BSU
77.	Establishment of Pilot Satsuma and Japanese Grape Fruit Orchard in Los-oc, Tublay, Benguet	A. C. Tipayno, C. P. Laurean/ F. S. Borja	BSU

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|-----|---|-----------------------------|---------|
| 89. | Influence of Elevation on Yield and Fruit Quality of Five Selected Citrus Varieties | A. C. Tipayno | - |
| 90. | Crop Improvement in Strawberry | D. P. Padua/
V. Villegas | IBP/BSU |
| 91. | Collection and Multiplication of Some Wildly Growing Small Berries in Benguet | D. P. Padua | - |

PUBLISHED RESEARCHES

NPRCRTC

1. GANGA, Z. N., et. al. 1989. Management of Potato Late Blight (Phytophthora infestans) Through Resistant Germplasm. Research results presented in a series of working papers 1:1-15
2. BALAKI, E. T. and D. A. ALUBIA. 1985. Agronomic Studies on White Potato Under Sta. Maria, Pangasinan conditions. Research results presented in a series of working papers 1:16-24.
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10. PEREZ, J. C., BABAC, M. B. and G. S. BACKIAN. 1988. Control of Fusarium sp. and Sclerotium rolfsii of Taro. Research results presented in a series of working papers 1:89-95.
11. BAYOGAN, E. V., QUINDARA, H. L. and E. B. TICGUINGAN. 1988. Simple Stores for Taro. Research results presented in a series of working papers 1:96-103.
12. BAYOGAN, E.V. and A. T. BOTANGEN. 1988. Effect of Transport Containers on the Market Quality of Taro. Research results presented in a series of working papers 1:104-111.
13. KISWA, C. G., DALANG, P. A. and E. T. BALAKI. 1988. Preliminary Results on Yam Stem Cuttings as Alternative Planting Material. Research results presented in a series of working papers 1:112-116.
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HSERI

15. HERMINIA A. FRANCISCO. Technology Assessment for Potato in Benguet and Mt. Province. Published in PCARRD Publication.
16. HERMINIA A. FRANCISCO. Technology Assessment for Cabbage in Benguet and Mt. Province. Published in

PCARRD publication.

17. HERMINIA A. FRANCISCO. Technology Assessment for Strawberry in Benguet and Mt. Province. Published in PCARRD publication.
18. HERMINIA A. FRANCISCO. Seed Potato Industry: Analysis and Prospects. Published in SEV & Co. publication.

PROPOSED RESEARCHES

In 1989, a total of 21 research proposals were submitted to different funding agencies: HORTI - 8, NPRCRTC - 7, IHFS - 4, HSERI - 2.

A total of 16 research project proposals had been approved for implementation of which 6 will be implemented through the HORTI, 6 - NPRCRTC, 3 - IHFS, 1 - HSERI.

Manpower Development

Upgrading of the capabilities of researchers has been a continuing program. In 1989, 18 research personnel were sent to pursue masteral degrees, 3 for doctoral studies, and 1 for post-doctoral study.

Researchers also attended relevant seminars, workshops, conferences and trainings. Some of these were:

1. Research Methodology Standardization of Procedures, Workshop, PRCRTC-VISCA, PCARRD and IDRC.
2. National Socio-Economics Seminar-Workshop, PRCRTC-VISCA, PCARRD and IDRC
3. Annual Conference, National Root Crops

Technical Working Group

4. National Postharvest Consultation Conference, PCARRD
5. Regional Postharvest Consultation Conference, CLSU
6. Trainers' Training on Technology Writing, PCARRD
7. Trainers' Training on Economic Data Analysis and Interpretation, PCARRD
8. Basic Journalism and Feature Writing Training Course, PCARRD, RACO-HARRDEC
9. Annual Convention of Philippine Council for Crop Protection, Baguio City
10. National Sweet Potato Trainers' Training, CIP/Reg. VII
11. Fellowship Training Grant, AVRDC, Taiwan

Physical Resource Improvement and Linkages

Out of regular allocation and support from special projects, the following were done in 1989 to upgrade research facilities:

Construction - One unit screenhouse for white potato stem cutting production (PCARRD), HORTI nursery house (BSU), HORTI research laboratory building (BSU)

Repair - Two units glasshouses for white potato hybridization and stem cutting production (PCARRD): provision and installation of special bulbs in the glasshouse for hybridization (CIP), two comfort rooms in the

NPRCRTC building (BSU).

These equipment were also acquired in 1989:

From BSU

1 unit Auto-voltage regulator
1 unit Light meter
1 unit Rain gauge

From IDRC

1 unit Toyota HiLux double cab pick-up
1 unit Computer system
1 unit Soy sauce extractor
1 unit 500 w auto-voltage regulator

From IES

1 unit Canon camera
2 units Serdex humidity-temperature indicator

From CIP and SAPPAD

1 unit Simplified potato/fruit penetrometer
1 unit VISCA-PRCRTC chipper grater

From JVOEI

1 unit Food processor
2 units 10-speed blender-sterilizer
1 unit Corn mill
1 unit Airpot

From HADP

1 unit Triple-beam balance

1 unit	Autoclave
1 unit	Oven
6 pcs	Plastic sprinklers
1 pair	Watering can

Collaborative linkages were also forged/maintained to promote research and development programs with the following agencies/organizations:

Philippine Council for Agriculture, Forestry and
Natural Resources Research and Development
(PCARRD)

International Foundation of Science (IFS)

International Development Research Center (IDRC)

International Potato Center (CIP)

Southeast Asian Potato Program for Research and
Development (SAPPRAD)

Ford Foundation (FF)

Institute of Plant Breeding (IPB)

Visayas College of Agriculture (VISCA)

Jaime V. Ongpin, Foundation Inc. (JVOFI)

National Azolla Action Program (NAAP)

Highland Agriculture Development Project (HADP)

Central Cordillera Agriculture Project (CECAP)

Department of Agriculture (DA)

Department of Environment and Natural Resources

(DENR)

Department of Science and Technology (DOST)

National Economic and Development Authority (NEDA)

Other research and development agencies /
institutions

Research Income

HORTI

<u>Commodity</u>	<u>Research Leader</u>	<u>Amount (₱)</u>
Vegetables	P. E. Alipit	3,125.00
Vegetables	L. M. Villanueva	2,520.00
Vegetables	B. S. Ligat/L. M. Colting	1,000.00
Ornamentals	A. G. Ladilad	2,415.00
	Sub-total	9,060.00

HAFI

Oranges	B. B. Dimas	79,042.00
Coffee	B. B. Dimas	52,060.00
	Sub-total	131,102.00
	TOTAL	140,162.00

* Post-dated checks honored by PNE in 1990 and as such are taken as collection for 1990:

03/08/90	O.R. # 42219365	18,887.00
03/25/90	O.R. # 4220195	21,175.00
02/07/90	O.R. # 4219752	20,000.00
02/21/90	O.R. # 4219804	19,000.00
	Total	79,042.00

Affiliate Agencies

Highland Agriculture and Resources Research and

Development Consortium (HARRDEC). Based at BSU, HARRDEC, as a coordinating body for research and development undertakings of member-agencies, had these activities in 1989:

1. Initiated the planning and development of research projects for the Highland Agriculture and Development Project (HADP).
2. Assisted the DA in the conduct of Rapid Rural Appraisal (RRA) and identification of research and extension projects for the Accelerated Agricultural Production Project-Regional Research and Outreach Program (AAPP-RROP).
3. Formulated the General Policies and Guidelines for the Operations of HARRDEC and updated the Organizational Structure of the Consortium.
4. Updated the Research and Development framework in Agriculture and Natural Resources for CAR.
5. Initiated the preparation of the 1990 Research & Development budget of member-agencies and HARRDEC Secretariat.
6. Initiated the conduct of Agency In-house Reviews of Completed and On-going researches.

7. Conducted the First Regional Symposium on Research and Development Highlights for CAR.
8. Published and launched the "Snap Bean Technoguide for the Highlands."
9. Published and circulated an issue of the "Highland Express".
10. Conducted a "Basic Course on Journalism" (Basic News and Feature Writing).

Highland Crops Research System (HCERS). The system which is jointly managed by BSU and IPB has been conducting crop improvement activities. In 1989, it continued its activities on:

1. White potato improvement.
2. Garden pea and snap bean breeding and seed production.
3. Crucifers and other semi-temperate vegetable breeding and seed production.
4. Tomato hybridization.
5. Strawberry breeding.

EXTENSION SERVICES

To operationalize the mandate of BSU to "bring the university to the villages", extension services were focused on the farmers, housewives, students, GOs and NGOs, teachers and other community residents. These clientele were reached out through trainings, seminars, workshop, consultations, demonstrations, field visits, treatment of animals, etc.

The extension and training office conducted 21 trainings, seminars and workshops to a total of 1,068 farmers, housewives, GOs and NGOs, and technicians. The Northern Philippines Root Crops Research and Training Center delivered extension and training services to disseminate innovations or developed technologies related to the production, postharvest, handling and utilization of root crops. The College of Agriculture conducted trainings and assisted farmers and other community residents regarding agriculture. The College of Veterinary Medicine had consultations with some animal owners. Treatments of infected animals were also undertaken. The College of Forestry provided year round seedling dispersal. The College of Arts and Sciences, on the other hand, conducted and were resource speakers in seminars related to their fields. The College of Home Economics and Technology

conducted trainings about food preservation, food processings, meat processings, pineapple processing, chayote processing, and others.

The Publications and Media Services (PMS) in 1989 provided assistance in the preparation/publication of the BSU Research Journal, BSU Newsletter, and BSU Facts and Figures. It also extended services in editing thesis manuscripts of students and other manuscripts of the faculty as well as performed publication-related jobs for the classroom, library and other departments. It also did extension-related activities.

GENERAL ADMINISTRATION

Just like the other chartered state universities and colleges of the country, Benguet State University is administered by the Board of Regents with the Secretary of Education, Culture and Sports, represented by Mr. Luis R. Baltazar, Undersecretary of DECS, as Chairman; Dr. Lucio B. Victor, BSU President as Vice-Chairman; and Arch. Joseph M. Alabanza, NEDA-CAR Regional Director and two prominent citizens (not yet appointed) as members.

The leadership of the University lies in the President who is the chief executive of the University. He is assisted by the University Vice President, two designated Vice Presidents: VP for Academic Affairs and VP for Research and Extension; the Administrative Council and the Academic Council. The Administrative Council chaired by the University President is composed of the Vice Presidents, deans, directors and heads of units. It is the administrative council that prepares and promulgates policies governing personnel, financial management and development planning subject to the approval of the Board of Regents. The Academic Council consists of all faculty members with the rank of Assistant Professors or higher. This council is responsible for approving academic matters affecting the college including the offering of courses,

admission and graduation of students.

Office of the University Vice President (OUVP)

The Office of the University Vice President assists the President on the over-all administration and supervision of the University operations and in coordinating and supervising the activities of the offices of the Vice Presidents for Academic Affairs and Research and Extension, the Administrative Division, the Planning and Development Office, and the Land Reservation Office.

During the year under report, the office had been involved in activities necessary to strengthen/promote systems for efficiency and economy, better personnel relationship, agency linkage for development, external/community participation, and committee works.

To enhance greater efficiency and economy, the administration continued to adopt the delegation of authority for the University Vice President to approve voucher and check for the amount of P25,000 or less; clearance of faculty members and employees; activity permits of students; travel order of Deans, Directors and those with lower ranks; and requisition and issue voucher (RIV); and local canvass.

To promote better internal relationship, the University

Vice President conducted a conference/dialogue with the faculty of the Secondary Education Training Department on policies affecting them. Likewise, he moderated a series of dialogues of the non-teaching personnel with the University President.

This office continued establishing linkages for support with the British Council. The British Council donated 50 different reference books to the University for the second time. The University Vice President coordinated a research project with the Affiliated Non-conventional Energy Center (ANEC) which aims to develop technologies for the utilization of non-conventional energy resources in the Cordillera. Assistance was also given to the Department of Agri-business and Economics in coordinating with Dr. Van de Walle Elienne of the University of Ghent, Belgium on a proposed joint project geared towards the development of the agri-business program at BSU and its service areas. In line with this new program is the possibility of some faculty members of BSU to be sent to Belgium for training.

The Office of the Vice President initiated and chaired three committees: the Selection and Promotion Board Committee, Faculty/Staff Housing Committee, and Security Committee. As chairman, the VVP conducted regular meetings to enforce rules in the recruitment and promotion on

personnel, policy guidelines regarding housing accommodation and security measures.

In community outreach participations, the VVP has been involved in initiating activities for the welfare of Disabled Persons; training farmers and organization of cooperatives; and conducting of seminars for the establishment of rural enterprises in support of the CARP.

Planning and Development Office (PDO). The PDO coordinates with various offices of the institution in planning, monitoring and evaluating programs, projects and activities in the institution in line with the goal of working towards a stronger institutional commitment and development.

The Management and Information Services was added to the Planning and Development Office as a division. It takes charge of establishing a data bank and systematizing the collection of, compilation, collation, processing and publication and/or dissemination of information about the University.

During the year 1989, the PDO represented the University in various Planning and Development seminar/workshop such as the Provincial Development Planning Workshop and the Regional Development Planning Workshop. This office took charge of preparing the first,

second, third and fourth quarter progress reports of different projects of the University and submitted these reports to NEDA.

This office prepared also the University Profile for the information of national and international agencies wanting to establish development linkages with the University. As required by the University Charter, this office compiled, prepared and printed the 1988 annual accomplishment report. Copies of this report were given to different units in the University, the Secretary of Education, Culture and Sports, the NEDA, Malacañang and other agencies. This office coordinated also the preparation of faculty workload.

Through the Management and Information Services, data on the enrolment and graduates by program in all levels from school year 1984 to 1990 were collected, compiled and presented graphically. The profile of the BSU personnel, both faculty and non-teaching staff, were updated. Data needed in planning and decision-making such as faculty-student ratio, room-student ratio, laboratory-student ratio, equipment-student ratio, utilization of buildings and rooms were also compiled and provided to the NEDA, budget office and other offices needing them.

The task of evaluating the different committees during

the 1989 Commencement Program was done by this office. A written report on the said evaluation was submitted to the University President as basis of improving committee work in the future.

Land Reservation Office (LRO). The Land Reservation Office is charged for the establishment of definite boundary lines and technical descriptions of the present landholdings of the University. It initiates also the proper utilization and acquisition of lands needed for the various envisioned programs of the institution. It conducts geodetic surveys for carrying out the institutional functions of the University.

For the year under report, the LRO assisted the Legal Office in the preparation of the letter-application of the University addressed to the Municipal Agrarian Reform Officer requesting exemption from coverage of the Comprehensive Agrarian Reform Program (CARP) of all the existing BSU school sites with a total area of 646.3342 hectares.

This office has been providing the University President pertinent data and legal advice on issues relative to the delineation, protection, documentation, and utilization of the University land holdings.

The LRO assisted the Legal Office, by furnishing

witnesses and documentary evidence in administrative and judicial cases involving school sites of the University. It surveyed and laid out sites for infrastructure projects and programs for instruction, research, extension and production.

This office investigated incidence of squatting and illegal cutting of trees, and submitted reports thereon to the University and Legal Office. It issued 50 certifications on the status of lands of private persons as to whether they are within or outside of BSU land reservation.

Legal Office. The Legal Office is mandated to appear for the University in legal litigations in court or in administrative bodies where the University is a party litigant. It also renders legal assistance and advisory opinions to the University President and to the various adjunct offices and committees on matters of legal interpretations.

During the year under report, the Legal Office attended to several court cases which involve mostly illegal occupancy of the landholdings within the reservation area of the University. The specific court cases involved four (4) civil cases for the recovery of possessions and a civil case regarding a petition to

declare a decision null and void.

Office of General Services and Physical Plant. This office coordinates the janitorial, sanitation and campus drainage, electrical, transportation, landscaping and ground improvements, repairs and maintenance and water sewerage system services of the University. It also takes charge of fencing school boundaries and supervision of constructions within the University.

This office did varied services in terms of repairs and infrastructures. For the year under report, 29 minor and major repairs were done in 13 buildings of the University. Repairs were also done on cottages of some officials and faculty members of the University.

The janitorial services rendered included the upkeep of buildings, classrooms, offices, comfort rooms and surroundings of the University. Sometimes, some of the janitors performed other jobs, like messengerial activities and operation of office equipment.

Electrical inspection, repairs and installations were done as usual in most of the buildings and streets of the school campus. This office provided also the sound system during meetings, seminars and programs held in the University.

The Motor Pool Section took charge of the repair and

maintenance of vehicle and machineries during the year under report. Based on records, there were 215 trips serviced by this section in terms of transportation during seminars and meets. This section catered also to 15 requests of plowing services to some farm areas in the University.

For landscaping and campus ground improvements, this office did the usual routinary upkeep of the campus ground like the mowing of the athletic oval and lawn; collection and dumping of garbage, watering of ornamental plants, pruning of trees, fixing of collapsed fences and cementing of pathways.

The plumbing services done were the installation of three new pipe lines connecting various points of the University campus. The other services were the routinary jobs of repairing clogged toilet bowls, sink and urinals, leaking faucets and pipe connections and fixing malfunctioning toilet flush apparatus.

This office did painting jobs on five (5) rooms, several billboards, sign boards, placards, blackboards, bulletin boards, streamers, window grills and built-in cabinets.

The Plans, Designs and Physical Plant Section made plans and designs for all new constructions. There

Table 13. Infrastructure projects and their status
as of December 31, 1989

PROJECTS	DATE OF BIDDING	WINNING CONTRACTOR	AMOUNT OF CONTRACT	PERCENTAGE OF COMPLETION
ONGOING (Continuation, Previous 1988)				
1. Home Management Building	December 31, 1988	Currinac Integrated Builders Corporation	547,782.95	99.50%
2. Library Phase II-C	December 31, 1988	Builders Corporation	512,481.60	100.00%
CURRENT PROJECTS (Funded CY 1989)				
1. Veterinary Medicine Bldg. Phase II-A (Continuation)	August 10, 1989	Capuyan Construction	1,401,480.00	40.00%
2. Construction of Elevated Water Tank & Pump House	September 26, 1989	Pader Construction	424,000.00	65.00%
3. College of Agriculture Building, Phase I	September 26, 1989	Gonzalo Construction	2,342,257.55	15.00%
4. Extension of Motor Pool Phase I	September 26, 1989	Merca Construction	945,405.95	10.00%
5. Perimeter Fencing of Land Reservation	December 7, 1989	Merca Construction	940,250.00	10.00%
6. Completion of Comfort Rooms of Open Gym-Auditorium	December 3, 1989	Pader Construction	381,185.00	40.00%
7. Research Laboratory Building (Horticulture)	December 26, 1989	G.A.Vergara Construction	248,750.00	started 1-4-90
8. Greenhouse Nursery (Horti-Pomology)	December 20, 1989	G.A.Vergara Construction	235,110.00	60.00%
9. Research Laboratory (BSU-ATSP-EDPITAF)	October 10, 1989	G.A.Vergara Construction	977,000.00	55.00%

were since 1988) infrastructure projects designed in 1989.

Two projects during CY 1988 were completed in 1989. The said infrastructure projects and their status are shown in Table 13.

Office of the University and Board of Regents Secretary (OUBRS). The Office of the University and Board of Regents Secretary is charged with the function of taking notes of the proceedings, results and actions taken in all Board of Regents meetings.

In 1989, the Board of Regents held seven (7) board meetings and enacted seventy-four (74) resolutions classified as follows: twenty six (26) resolutions for personnel matters, twenty-one (21) for administrative matters, nine (9) for allocation and management of fiscal support, five (5) for academic matters and ten (10) for other matters.

The Board of Regents approved the following proposals and recommendations of the University on academic programs:

1. Approved the conferment of doctoral, masteral and baccalaureate degrees to 279 candidates for graduation, and authorizing the University President to award the certificates/diplomas to 324 candidates from the non-degree courses, the secondary and elementary levels on March 31, 1989, SY 1988-1989.
2. Authorizing the Benguet State University to complement its teacher education programs with enriched curricula for Bachelors of Elementary

and Secondary Education in addition to the existing professional courses like the BSAE, BSHT, BSHE, and BSND.

3. Approving the offering/addition of two (2) more masteral courses/majors, namely:

- a. Master of Arts in Teaching
- b. Master of Arts in Education

This took effect the second semester of School Year 1989-1990.

4. Approving the graduation of ninety-two (92) candidates from both the degree and non-degree courses as of the end of Summer 1989, and of the first semester of academic year 1989-1990.

5. Approving the Merit System for faculty and academic staff of Benguet State University.

On budgetary and fiscal support and management, the Board of Regents approved the Internal Operating Budget of the University in the total amount of ₱44,180,000.

In the implementation of its capital outlays, which is ₱10,876,000.00, the construction of permanent structures which is hereunder listed was approved by the Board of Regents:

1. Veterinary Medicine Building Phase II-A

- continuation - ₱1.5 million
2. Elevated Water Tank and Pump House - .5 million
 3. College of Agriculture, Phase I - 2.6 million
 4. Renovation of Motor Pool - 1 million
 5. Comfort Rooms of Open Auditorium - .4 million
 6. Fencing of Alumni Groove and other school reservations - 1.5 million
 7. Roads and drainage at Swamp and Research - 1 million
 8. Shaded walks - .5 million

Other administrative actions which got the approval of the Board of Regents include the following:

1. Authorizing, for humanitarian reasons, the return to all members of the faculty and staff of the ₱2,500.00 whom deduction was made as directed under MO Nos. 155 and 155-A, and implemented by NBC No. 394.
2. Approving the reconstitution of the University Pre-qualification, Bids, and Awards Committee (PBAC).
3. Approving the request for a standing authority for the University President to enter into and sign contracts for the construction, repair, and acquisition of buildings, etc.

4. Authorizing the University President to enter into agreement for and in behalf of the University with Dangwa Transportation Company, Inc. for the use of two (2) rooms of its terminal station building at Dimasalang, as liaison office effective April 1, 1989.

Some of the pertinent resolutions covering the items mentioned above are appended in this annual report.

Office of the Administrative Division. This office is headed by the Administrative Officer V which has the responsibility of promoting effectiveness, efficiency and economy in the planning, implementing and monitoring of the administrative aspects of the University.

During the year 1989, this Office monitored the strict compliance of government laws, policies, rules and regulations pertaining thereto. An example of this is shown in the tight review of all documents and all required supporting documents as embodied in the flow of documents. Another accomplishment of this office was the strict enforcement of a strong internal control network in the operations particularly in the procurement and financial transactions and in the utilization of resources such as manpower, time, supplies and materials thru procedural

systems. The judicial and frugal utilization of resources as well as maximizing the use of funds were manifested by the following evidences:

1. Control in the issuance of trip tickets and withdrawal of fuel expenses from ₱30,000.00 during the previous years to only ₱10,000.00 per month on the average during the year under report.
2. The strict monitoring and enforcement of procedures and internal controls resulted to the reduction of disallowances, suspensions in post audit, thus safeguarding the report accountability and responsibility of the agency.
3. This division has satisfactorily served the University personnel on compensation and membership benefits, having seen to it that remittances have been at most submitted on a regular scheme as required.

Property and Supply Management Section. The Supply and Management Section supervises and manages the supply and property operations of the University and aims to develop an effective system that will promote efficiency and economy in the supply management of the various projects with the end

in view of attaining efficient service and sound procurement program and property accountability.

The year-round activities of the section during the year under report included procurement, programming, requisitioning, canvassing, purchasing, storekeeping, inventory-checking, inspection and disposal actions. In 1989, there were 725 approved purchase requests submitted by the different project leaders in the University for supplies, materials and equipment except for items covered in waste material reports which were acted upon by the Resident Auditor under PD 1445.

Records Section. The main function of the Records Section is to attain effectiveness, efficiency and economy in handling, safeguarding and maintaining records in the agency.

For CY 1989, this office maintained records necessary in the operational activities of the University, limiting production to the desired quantity. This office managed also the mail operation in the University which included the handling of incoming and outgoing mail.

There were other routinary jobs done by this office such as authenticating copies of documents, typing certified true copies of documents, memoranda, circulars, notices, and checked and classified said documents for

distribution.

Personnel Section. During the year under report, this section did the usual services centered on personnel actions including appointments, welfare services and personnel research. This section prepared and updated appointments and notices of salary adjustments, processed personnel leaves and employee benefits, checked daily time records and maintained personnel records and reports.

Table 14 is a summary of the personnel actions and manpower turnover in 1989.

As reflected in the table, there were twelve (12) personnel: three (3) faculty and nine (9) non-teaching personnel, who were hired during the year under report. The temporary appointment of twelve (12) personnel, six (6) faculty and six (6) non-teaching were renewed. Six (6) personnel with temporary appointment were given permanent status. The table shows also that three (3) non-teaching personnel were promoted, one (1) transferred to the University, one (1) was reappointed and two (2) shifted positions within the University.

Table 14 also shows that seven (7) staff resigned, seven (7) personnel transferred to other agencies, eight (8) retired from the service and one (1) died.

The varied programs of the University were carried out

through the services of 591 personnel. The classification of these personnel are shown in Table 15. As shown in the table, there were 502 personnel who occupied career positions with 261 faculty and 241 non-teaching personnel.

Among these personnel, 488 are permanent and 14 are temporary in status. There were 89 who occupied non-career positions with 51 as casual employees, ten as substitute instructors, and 28 as student assistants.

Table 14. Personnel action and manpower turn-over, 1989

=====			
A. Personnel Actions	Faculty	Non-Teaching	Total

Original Appointment	3	9	12
Promotion		3	3
Transfer In		1	1
Reappointment		1	1
Shifting of Position		2	2
Renewal of Temporary Appointment	6	6	12
Change of Appointment (from temporary to permanent)		6	6

Total	9	28	37

B. Manpower Turnover	Faculty	Non-teaching	

Resignation	3	4	7
Transfer Out	1	6	7
Retirement	1	4	8
Death		1	1

Total	5	15	23
=====			

Auxiliary Services

The auxiliary services under the General Administration consist of the income-generating projects such as the BSU Guestel, Food Processing, Bakery Project, the Cafeteria and the different Agri-business projects. The coordination and monitoring of all the activities of these various income-generating projects has been assigned to the Business Affairs Office headed by a Director.

Table 15. Number of University Personnel in 1989 according to classification of position

Classification	STATUS		
	Permanent	Temporary	Total

A. Career Positions			
Faculty	255	6	261
Non-teaching	233	8	241

Sub-total	488	14	502

B. Non-career Positions			
Substitute Instructors			10
Casual Employees			51
Student Assistant			28

Sub-total			89

GRAND TOTAL			591
=====			

The BSU Cafeteria. The Cafeteria is both an instructional and income-generating project of the University. It serves as a training ground for Bachelor of

Science in Home Economics and Bachelor of Science in Nutrition and Dietetics students of the University. Nearby universities such as the University of Baguio (UB), Don Mariano Marcos Memorial State University (DMMMSU), Bokod Agro-Industrial School (BAIS) and others have been sending their students to this Cafeteria for internship and on-the-job training prior to their graduation.

The Cafeteria as an income-generating project has a number of daily customers ranging from 80 to 120. Among these customers are the employees from nearby offices such as the PNB, Provincial Capitol, Benguet General Hospital, the Benguet Schools Division, and others. Aside from the daily customers, the Cafeteria also provides catering services to public and private agencies upon request. The following table shows the number of persons served and the amount of income derived from the catering services during the year 1989.

The table reflects that the Cafeteria has been serving an average of 3,437 people every month in 1989. Its average income monthly was ₱24,755.85 with a total of ₱297,070.23 during the year under report. This income was generated through a revolving fund of ₱70,000.00 cash advance through the Manager. This amount was returned after one year.

Table 16. Income Generated from Catering Services, 1989

MONTH	NO. OF CATERING	NO. OF PERSONS SERVED	INCOME GENERATED
January	21	3,729	19,755.65
February	13	4,986	23,169.35
March	6	1,114	23,107.10
April	16	7,178	49,604.00
May	12	5,458	38,919.95
June	16	2,305	24,297.35
July	10	2,706	23,491.80
August	10	2,608	28,705.25
September	15	3,765	36,741.45
October	19	2,703	9,066.05
November	16	1,236	11,755.78
December	13	3,461	8,456.50
TOTAL	167	41,249	297,070.23
MEAN	14	3,437	24,755.85

The Guestel. This is one of the income and instructional projects of the University. The guestel is used as the training center for students taking up Hotel and Home Management. It generates income by accommodating school visitors at a minimal rate. The guestel also serves as the International House for graduate and undergraduate foreign students in the absence of a permanent International House.

The following table shows the income derived from the use of the guestel in 1989.

Table 17. Income Generated From Guestel Services, 1989

MONTH	NO. OF CUSTOMERS	INCOME GENERATED
January	269	10,495.00
February	154	8,760.00
March	55	13,570.00
April	237	21,170.00
May	410	25,533.00
June	366	23,891.00
July	72	8,920.00
August	162	29,123.65
September	226	18,130.00
October	30	10,710.00
November	170	13,165.00
December	274	28,890.00
TOTAL	2,425	212,357.65

BSU Food Processing and Bakery Projects. The BSU Food Processing and the Bakery produce products for the BSU personnel, students, community folks and guests. It is an income-generating project since it operates continuously throughout the year with a profit. Most of the transient customers are official visitors of the University from different government agencies.

The Food Processing and Bakery Projects are also used as training grounds for students taking up Food Industry. These students taking up their internship and on-the-job trainings in the said projects are from BSU, Central Luzon State University, Don Mariano Marcos State University and Bokod School of Arts and Trades.

The income derived from the Food Processing and Bakery Projects are reflected by month in Table 18. As shown in the table, the profit of the food Processing Center amounted to ₱163,004.94 while the Bakery made a profit of ₱75,858.35. There is a total outstanding receivable amount of ₱8,924.74.

There were also major physical improvements in the project such as the grills constructed at the BSU Bakery and the door at the Food Processing Center.

The other income-generating projects with their net income as reported by the Internal Control Unit are found in the following tables.

Table 18. Income derived from the food processing center and bakery projects, 1989

MONTH	FOOD PROCESSING CENTER	BAKERY	TOTAL
January	10,859.64	8,332.20	19,051.84
February	15,193.95	6,026.00	21,219.95
March	20,562.30	4,151.70	24,714.60
April	28,197.60	10,689.20	38,886.80
May	27,106.85	8,445.70	35,552.55
June	3,415.10	4,255.30	13,670.40
July	9,041.67	9,593.40	18,635.27
August	9,387.30	9,050.60	18,447.90
September	11,260.95	7,771.80	19,032.75
October	8,737.68	8,744.50	17,482.18
November	3,508.90	(5,516.60)	(2,007.70)
December	9,922.20	4,253.85	14,176.05
TOTAL	163,004.94	75,857.65	238,862.59

Table 19. Net income of projects under Special Fund (151) as of the year ended 1989

NAME OF PROJECT	PROJECT MANAGER	AS OF DATE/MONTH	GROSS RECEIPTS	EXPENSES	NET INCOME/ NET LOSS	REMARKS
AGRO-FORESTRY PROJECT	B. DIMAS	5 Jan 1988-Dec 1989	53,470.00	0.00	53,470.00	Gross Receipts Only
APPLIED TECHNOLOGY DEPT.	A. PARAN	November 1989	869.00	0.00	869.00	Gross Receipts Only
BSW DORMITORIES	L. PLADIO/ A. PACTAN	December 1989	76,860.00	0.00	76,860.00	Gross Receipts Only
LIBRARY SERVICES	N. CLARAVALL	September 1989	6,639.30	0.00	6,639.30	Gross Receipts Only
LABORATORY PRODUCTION	S. BANGCADO	14 Nov 1988-15 Feb 1989	12,320.00	0.00	12,320.00	Gross Receipts Only
ELEMENTARY SCHOOL CANTEN	H. LAGYAN	March 1989	121,271.70	104,528.30	16,743.40	Net Income based on Mo. Reports
HASP/VOAG/SBC-HI CANTEN	H. PORTE/ A. SARO	School Year 1988-1989	6,054.45	0.00	6,054.45	30% School Share
FLORICULTURE - RESEARCH	S. LADILAD	December 1989	2,415.00	95,491.25	(93,076.25)	Net Loss based on Mo. Reports
LAND RENTAL - RESEARCH	P. ALIPIY	December 1989	6,645.00	0.00	6,645.00	Gross Receipts Only
WPCRTC - RESEARCH	J. LUIS	December 1989	0.00	0.00	0.00	No remittances for 1989
RSOC CURSTEL	M. TABANDA	December 1989	217,352.65	0.00	217,352.65	Gross Receipts Only
WHITEPRINTS/PLANS/DEVT.	H. PATACIL	December 1989	37,150.00	14,276.00	22,874.00	
SUPERVISED FARMING PROJ.	R. BOCALAN	School Year 1988-1989	13,609.39	0.00	13,609.39	30% School Share
	R. MACLI-ING	School Year 1988-1989	15,631.25	0.00	15,631.25	30% School Share
	J. BOTENGAN	School Year 1988-1989	7,772.92	0.00	7,772.92	30% School Share
	A. BASALONG	School Year 1988-1989	3,363.46	0.00	3,363.46	30% School Share

Table 20. Net income of projects under Revolving Fund (161) as of the year ended 1989

NAME OF PROJECT	PROJECT MANAGER	AS OF DATE/MONTH	GROSS RECEIPTS	EXPENSES	NET INCOME/ NET LOSS	REMARKS
ADMINISTRATION CANTEN	L. BALAOING	September 1989	20,313.65	11,725.45	8,588.20	Income from Oct-Dec 1989 integrated with Cafeteria
BSU BAKERY	R. ABASTILLA	December 1989	551,669.70	475,811.36	75,858.35	Net Income based on Mo. Reports
BSU CAFETERIA	L. BALAOING	December 1989	1,796,137.30	1,499,087.07	297,070.23	Net Income based on Mo. Reports
BSU CHAYOTE PROJECT	A. NAGPALA	December 1989	2,589.45	39,798.46	(37,209.01)	
ENGINEERING CANTEN	L. BALAOING	December 1989	21,595.10	23,720.90	7,875.10	Net Income based on Mo. Reports
EGG PRODUCTION	C. FELICIANO	December 1989	0.00	323,822.00	(323,822.00)	Expenses based on supplies del.
DAIRY AND CATTLE	A. CASPERENCE	December 1989	29,664.59	2,425.25	18,229.25	Net Income based on Mo. Reports
FLORICULTURE - PROJECT I	B. LADILAD	December 1989	27,810.50	21,700.56	6,109.94	Net Income based on Mo. Reports
FLORI- ROSE & GLADIOLUS	B. LADILAD	December 1989	17,639.00	13,298.46	4,340.54	Net Income based on Mo. Reports
FOOD PROCESSING CENTER	R. ABASTILLA	December 1989	720,029.30	557,024.36	163,004.94	Net Income based on Mo. Reports
HUSKROCK PROJECT	B. TAD-EMAN	December 1989	0.00	0.00	0.00	No reports/remittances submitted
POMOLOGOY PROJECT	A. TIPAYNO	December 1989	24,517.00	0.00	24,517.00	Gross Receipts Only
POULTRY PROJECT	J. FELICIANO	April 1989	2,465.40	0.00	2,465.40	From Collection of credit sales prior year 1988
SWINE PROJECT	M. ATINYAO	December 1989	123,605.50	111,366.50	12,299.00	Net Income based on Mo. Reports
TISSUE/ORCHID PROJECT	L. TANDANG	December 1989	5,360.00	11,066.64	(5,706.64)	Expenses on labor
VEGETABLE & STRAWBERRY PROJECT	R. LAING	December 1989	24,169.56	147,023.72	(122,854.22)	
	S. BANGCADO	December 1989	2,490.00	10,416.35	2,091.65	
MARKETING CENTER	V. SINGA	Sept 1988-Jan 9	0.00	0.00	46,223.35	Net Income based on an un-audited financial statements submitted by Manager. No remittance has made on the net income reported.
MARKETING CENTER	V. SINGA	Feb 1988-Aug 19	0.00	0.00	12,374.13	The Inventory ending August 1988 has been turned over to the BSU Employees Cooperative.

Table II - New Income From Projects, 1985

NAME OF PROJECT	1985	1986	1987	1988	1989
Food Processing Center	150,087.91	67,347.55	138,347.50	125,063.49	163,004.94
BSU Cafeteria	119,013.75	213,358.63	201,939.86	306,122.95	297,070.23
BSU Bakery	75,577.74	77,566.35	68,405.28	63,724.75	75,658.35
BSU Poultry	30,072.15	2,520.25	0.00	0.00	2,465.40
BSU Swine Project	(194.85)	(12,208.50)	38,729.00	17,530.00	12,289.50
Floriculture Project I		17,139.04	1,213.36	(1,067.68)	6,109.84
Flori - Rose & Gladiolus					4,340.54
Mushroom Project - Shitaki		7,227.20			
Pomology Project					
Dairy and Cattle	9,312.00	3,124.50	500.00	3,252.00	18,229.25
Chayote Project			(5,027.54)	(27,693.90)	(37,209.01)
Tissue/Orchid Production				6,030.00	(5,706.64)
TOTAL Net Income	384,063.55	388,283.52	449,135.00	521,723.19	579,378.05
TOTAL Net Loss	(194.85)	(12,208.50)	(5,027.54)	(28,961.58)	(42,915.65)

SPECIAL FUNDED PROJECTS

Applied Technology Dep't				1,330.00	869.50
BSU Dormitories				56,830.00	76,860.00
Library Services		3,367.75	6,496.75	9,696.00	6,639.30
Laboratory Production				6,941.14	12,320.00
Elementary School Canteen		3,286.43	2,356.60	3,554.55	16,743.40
FARP Canteen		4,271.10	3,724.60	5,226.00	6,054.45
Secondary H.S. Canteen		1,052.34	2,337.60	2,601.78	
Supervised Farming Projects		230,865.85	173,616.43	46,795.84	40,377.02
TOTAL Net Income		242,843.47	186,533.98	132,885.31	159,863.67

ANNUAL BUDGET AND EXPENDITURES

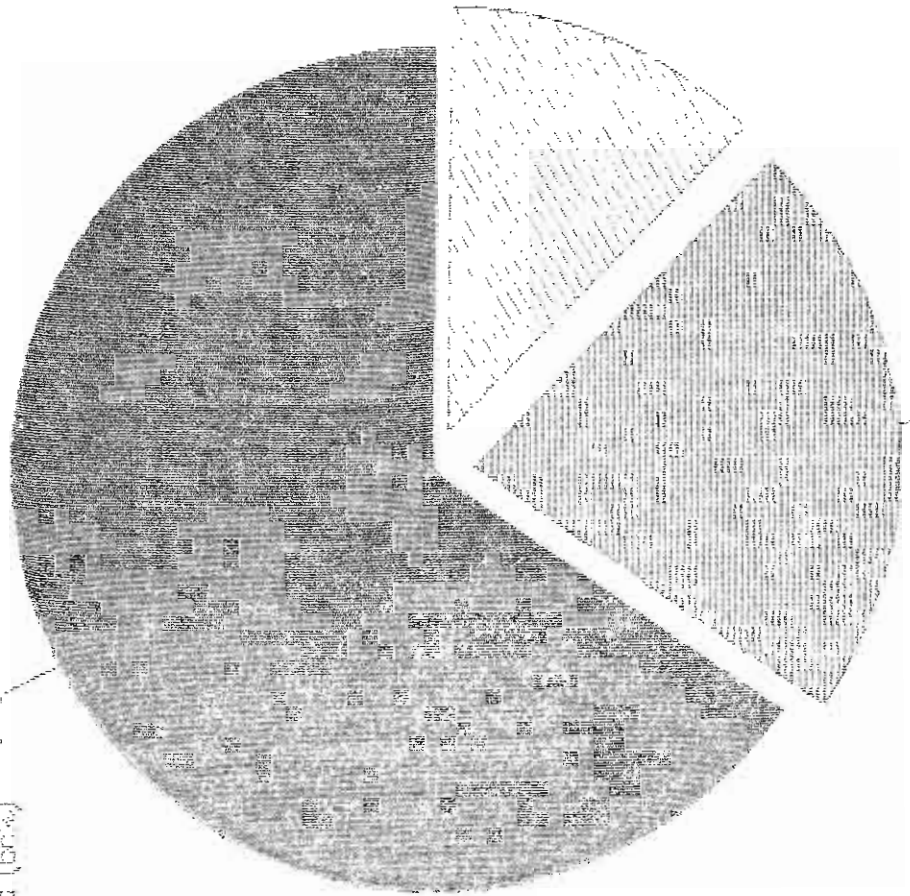
The University had a total budget appropriations of ₱44,155,000.00 for calendar year 1989. Over and above this budget appropriations was the additional release of ₱4,602,554 covering salary standardization, bonus, and terminal pay/retirement gratuity making a total budget release of ₱48,757,554.00 for the year under report. The amount of ₱32,026,280.00 or 65.58 percent was allotted for personal services; 12.01 percent or ₱5,855,274.00 for maintenance and other operating expenses; 5.134 percent or ₱2,500,000.00 for Land Site Development; 13.33 percent or ₱6,500,000 for buildings and structures and ₱1,876,000 or 3.85 percent for acquisition of equipment (Table 22).

From the above budget allocations, a total of ₱ 8,629,853.25 was unobligated. This amount was largely from the capital outlay (₱ 5,692,233.44) and the lump sum (₱ 2,895,757.95). Smaller amounts were unobligated from the maintenance and other operating expenses (₱ 38,992.51) and from the itemized positions (₱ 2,865.35) (Table 23).

TABLE 22. ANNUAL BUDGET OF BSU FOR CY 1989

	PERSONAL SERVICES	MOOE *	TOTAL
1. Current Operating Expenditures			
1.1 General Administration and Support Services	5,213,923.19	1,489,000.00	7,682,923.19
1.2 Advance Education	654,650.00	295,000.00	949,650.00
1.3 Higher Education	11,804,357.00	1,270,000.00	13,074,357.00
1.4 Secondary Education	3,167,350.00	863,373.81	4,030,723.81
1.5 Elementary Education	1,808,000.00	183,000.00	1,991,000.00
1.6 Research Services	4,400,000.00	1,040,000.00	5,440,000.00
1.7 Extension Services	1,147,000.00	280,000.00	1,427,000.00
1.8 Auxiliary Services	2,831,000.00	455,000.00	3,286,000.00
Sub-total	32,026,280.19	5,855,373.81	37,881,654.00
2. Capital Outlay			
2.1 Land Site Development			
2.2.1 Fencing of School Reservation			1,000,000.00
2.2.2 Improvement of Roads and Drainage at Swamp Areas			1,000,000.00
2.2.3 Covered Walk Phase I			500,000.00
Sub-total			2,500,000.00
2.2 Building and Building Structures			
2.2.1 Completion of Vet. Rec. Bldg.			1,500,000.00
2.2.2 Renovation of College of Agriculture Building			2,600,000.00
2.2.3 Renovation of Motor Pool			1,000,000.00
2.2.4 Construction of Water Reservoir			500,000.00
2.2.5 Completion of Comfort Room (Gymnasium Building)			400,000.00
2.2.6 Construction of Groove Fruit Nursery			250,000.00
2.2.7 Construction of Research Laboratory House			250,000.00
Sub-total			6,500,000.00
2.3 Equipment			1,876,000.00
TOTAL ALLOTMENT			48,757,654.00

Industrial Services (67%)



Other (11%)

Capital Outlay (22%)

Table 23. Statement of Allotment, Obligations and Balances, CY 1989

	TOTAL	1	4	5	6	7	8	9	10
Fund 101									
Itemized (100)									
Allotments	15,597,000.00	2,094,000.00	158,000.00	8,460,000.00	1,935,000.00	1,331,000.00	1,983,000.00	261,000.00	1,387,000.00
Obligations	15,594,130.65	2,092,545.57	185,817.45	8,459,005.66	1,934,950.45	1,330,967.42	1,982,948.45	260,981.72	1,386,812.33
Balances	2,869.35	1,454.43	82.55	994.34	49.55	32.58	50.55	18.28	187.67
=====									
Temp-Sum (100-10)									
Allotments	16,429,280.19	4,119,923.19	468,950.00	8,344,357.00	1,232,350.00	477,000.00	2,437,000.00	886,000.00	1,464,000.00
Obligations	13,533,522.24	3,030,203.85	467,541.80	4,018,232.67	1,064,469.13	600,639.00	2,422,842.70	678,320.00	1,253,271.29
Balances	2,895,757.95	1,089,719.34	1,108.40	1,326,124.33	167,880.87	(123,639.00)	14,157.30	207,680.00	210,728.71
=====									
FOO E (200)									
Allotments	5,855,273.81	1,803,000.00	255,000.00	1,270,000.00	813,273.81	113,000.00	980,000.00	235,000.00	388,000.00
Obligations	5,816,281.30	1,802,854.98	256,871.32	1,269,438.99	810,830.82	105,258.50	961,459.11	232,282.75	383,504.33
Balances	38,992.51	145.02	4,328.18	561.01	2,442.99	7,741.50	18,540.89	2,717.25	2,495.67
=====									
Capital Outlay (500)									
Allotments (-32)	9,000,000.00	9,000,000.00							
Obligations	3,307,766.56	3,307,766.56							
Balances	5,692,233.44	5,692,233.44							
=====									
Allotments (-33)	1,876,000.00	1,876,000.00							
Obligations	1,876,000.00	1,876,000.00							
Balances	0.00	0.00							
=====									
SUMMARY:			0-00-000	0-33-000	BALANCES				
100			15,597,000.00	15,594,130.65	2,869.35				
100-10			16,429,280.19	13,533,522.24	2,895,757.95				
200			5,855,273.81	5,816,281.30	38,992.51				
300-32			9,000,000.00	3,307,766.56	5,692,233.44				
-33			1,876,000.00	1,876,000.00	0.00				
=====									
			49,757,554.00	49,227,790.75	6,529,763.25				
=====									

CERTIFIED CORRECT:

Note:

(SGA.) OSCAR S. JIMEN
Accountant III

(SGS.) LUCIO E. VICTOR
President

PROBLEMS ENCOUNTERED

1. Lack of appropriately designed laboratory rooms, tool rooms, storage facilities, repair rooms and a display room where saleable products produced by colleges are shown to the community, visitors and guests. Stage curtain for some colleges are also needed.

2. Insufficient lightings in classrooms and some offices and poor maintenance of some of classroom facilities.

3. Inadequate/delayed acquisition of laboratory and farm supplies for instructional purposes, caused by too much red tape.

4. Some classes are too large in proportion to the available classroom, facilities and equipment.

5. Lack of cooperation of some faculty members in departmental activities.

6. Lack of motor vehicles for the use of the staff in the discharge of their administrative and supervisory functions.

7. Lack of technical references in the University Library.

8. Disruption of classes due to unplanned and emergency meetings, activities, etc.

9. Non-implementation of established policies and procedural systems.

10. Unsatisfactory attendance of students in school activities for which classes are suspended due to late notices or issuance of official communication.

11. Unnecessary delay of financial releases for the repairs and maintenance of college facilities, for academic and non-academic programs, purchase of supplies and equipment and other financial transactions.

12. Delay in facilitating the usage of newly-constructed instructional and other academic uses.

13. Unequal distribution of personnel with respect to work load causing the overloading in some academic units and underloading in other units.

14. Unequal distribution of scholarship opportunities and other staff development privileges.

15. Lack of procedural system for periodic monitoring, reporting and evaluation.

16. Rampant delay in the procurement/acquisition of supplies.

17. Lack of needed facilities, materials and personnel for big caterings.

18. The turn-over of property responsibilities among out-going and incoming deans, directors and department chairmen have been neglected because of the apparent lack of appropriate instruction from the head of office considering the very fast change made on official designations.

RECOMMENDATIONS

1. Formation of an appropriate body/committee to be tasked on the study of the problems presented and present possible solutions within a specified time frame.

2. Allocation of a portion of the income from income generating activities of the University for the purchase of badly needed materials and equipment, for repairs and maintenance and other miscellaneous expenses that may occur in the operation of these activities. The different income generating units should likewise help each other and form some sort of a cooperative unit.

3. Procurement processes should be systematized in such a way that too much red tape is avoided. The end-users should be given a bigger role in procurement proceedings to ensure propriety and quality of equipment to be purchased.

4. Construction of an equipment room, and more laboratory rooms. Periodic check-up and maintenance of existing equipment and facilities should be done to avoid a state of disrepair.

5. A closer supervision of janitors to insure the cleanliness of classrooms, comfort rooms and corridors. A general reshuffling of janitors is highly recommended.

6. Official communication for activities requiring students attendance should be given early so that teachers may have time to discuss the activities in their classes to encourage better student attendance in said activities. With regard to this, a general plan of activities for the year should be made by the OSA furnishing the different colleges.

7. On-going constructions should be hastened so that these facilities that are being constructed may be put to use.

8. A more equitable distribution of scholarship grants and other faculty development privileges in the University should be done.

9. Provision of adequate and regular travelling allowances for those going out on field.

10. Training of some personnel in specialized systems needed in the University.

11. Utilization of proper university forums to evolve necessary procedural systems that can optimize accomplishments.

12. Sanctions should be imposed on erring officers who are violating the existing provision as regards requisition of materials which results in red tape.

13. Existing available resources should be maximized and be assigned to the persons best qualified to handle them to avoid frequent breakdown of these equipment and are therefore responsible for the care and maintenance of such equipment.

14. Each department should consider sharing their resources to other department who may be needing them.

APPENDIX A

IMPORTANT RESOLUTIONS ADOPTED
BY THE BOARD OF REGENTS

Passed 30th Meeting, December 22, 1989

Res. No. 310, s. 1989

APPROVING THE REQUEST of Prof. Marcelino T. Delson, in the light of CSC Memorandum No. 15, s. 1989, and as a special consideration, to be seconded to the Cordillera Executive Board until/up to plebiscite day or upon the ratification of the Organic Act as provided for under Sec. 3, Art XXI of R.A. No. 6766; PROVIDED, that the University is hereby authorized to issue an appropriate memorandum embodying the terms and conditions under which subject professor is to return for duty in the interest of the institution; PROVIDED further and finally, that there shall be no more reconsideration of this stand, and that this action of the Board under Res. No. 279 and 294, s. 1989.

Res. No. 312, s. 1989

APPROVING the Owner-Contractor Agreement made and entered into by and between the BSU and GONZALO CONSTRUCTION for the construction of the COLLEGE OF AGRICULTURE PHASE I, at the contract price of P2,342,257.55. subject to work actually performed, the usual accounting and auditing regulations of the Owner, and the general conditions of the contract as in accordance with the pertinent provisions of P.D. No. 1594, as amended and its implementing guidelines. The Contract/Agreement is recorded as Doc. No. 483, Page 48, Book No. XI. Series of 1989 in the notarial registry of one, Atty. Francis A. Buliyat.

Res. No. 313, s. 1989

APPROVING the Owner-Contractor Agreement made and entered into by and between BENGUET STATE UNIVERSITY (BSU) as the Owner and duly represented by its Manager, Antonio L. Diaz, for the construction of EXTENSION OF MOTOR POOL PHASE I, at the Main Campus of the

University, La Trinidad, Benguet, at the contract price of NINE HUNDRED FORTY FIVE THOUSAND FOUR HUNDRED FIVE PESOS AND 95/100 (P945,405.95) Philippine Currency, subject to work actually done, the usual accounting and auditing rules of the Owner, and the general provisions of the Contract as in accordance with the pertinent provisions of P.D. No. 1594, as amended, including its implementing guidelines. The contract is recorded as Doc. No. 488, Page 48, Book No. XI, Series of 1989 in the notarial registry of Atty. Francis A. Buliyat.

Res. No. 314, s. 1989

APPROVING the Owner-Contractor Agreement made and entered into by and between the BENGUET STATE UNIVERSITY (BSU), as the Owner, duly represented by its President, Dr. Lucio B. Victor, and PADER CONSTRUCTION, as the Contractor, duly represented by its Manager, Pacifico B. Pader, for the construction of the ELEVATED WATER TANK, at the contract price of FOUR HUNDRED TWENTY FOUR THOUSAND (P424,000.00) PESOS, subject to work actually done, and the usual accounting and auditing rules of the Owner, and the provisions of P.D. No. 1594, as amended, including its implementing guidelines. The Contract is recorded as in the notarial registry of one, Atty. Francis A. Buliyat as Doc. No. 467, Page 46, Book No. XI, Series 1989.

Res. No. 315, s. 1989

APPROVING the Owner-Contractor Agreement between the Benguet State University (BSU), as the Owner and duly represented by its President, Dr. Lucio B. Victor, and PADER GENERAL CONSTRUCTION, as the Contractor, represented by its Manager, Mr. Pacifico B. Pader, for the construction of the COMFORT ROOMS for the Gymnasium, and the Auditorium at the Main Campus of the University, La Trinidad, Benguet at the contract price of THREE HUNDRED EIGHTY ONE THOUSAND, ONE HUNDRED EIGHTY FIVE (P381,185.00) PESOS, subject to the work to be actually done, and the usual accounting and auditing rules of the Owner, and the general provisions of the Contract and pertinent provisions of P.D.No. 1594, as amended, including its implementing guidelines. The contract is recorded in the notarial registry of one, Atty. Francis A. Buliyat, as Doc. No.

468, Page 46, Book No. XI, Series of 1989.

Res. No. 316, s. 1989

APPROVING the Owner-Contractor Agreement between the BENGUET STATE UNIVERSITY (BSU), as the Owner, and duly represented by its President, Dr. Lucio B. Victor, and the MERCA CONSTRUCTION as the Contractor, and represented by its Manager, Mr. Antonio L. Diaz, for the construction of PERIMETER FENCING OF SCHOOL RESERVATION around the Main University Campus, at the contract price of NINE HUNDRED FORTY THOUSAND TWO HUNDRED FIFTY PESOS (P940,250.00) subject to work to be done, and the usual accounting and auditing rules of the Owner, and the pertinent provisions of the contract and of P.D. No. 1594, as amended, including its implementing guidelines. The Contract is recorded in the notarial registry of one, Atty. Francis A. Buliyat, as Doc. No. 492, Page 49, Book No. XI, Series of 1989.

Res. No. 317, s. 1989

APPROVING the Contracts for Professional Services between the BENGUET STATE UNIVERSITY (BSU), on the one hand, and Engineers (1) JOSELITO F. BUHANGIN, (2) ALBERTO V. TALCO, and (3) RAUL D. APILANO, on the other hand, in connection with their technical services in the preparation, signing, and implementation of the structural designs for the particular projects indicated for each with the corresponding considerations as presented above; PROVIDED, that in future constructions, the University shall endeavor to explore if there be possibility that all such technical jobs and requirements be done by its technical staff for economy and faster rate of project prosecution.

Res. No. 318, s. 1989

APPROVING the graduation of NINETY TWO (92) candidates from both the degree and non-degree courses as of the end of Summer 1989, and of the First Semester of Academic Year 1989-1990, as recommended by the University Council, subject to completion of all academic requirements pertinent to their respective degrees or courses as presented above.

Res. No. 319, s. 1989

APPROVING the Merit System for Faculty and Academic Staff of Benguet State University as evolved in pursuance to and in accordance with Sec. 5-2 of O.D. No. 807 dated October 6, 1975, and CSC MC No. 3, s. 1983 as supplemented by CSC MC No. 2, s. 1984, CSC MC No. 4, s. 1985, and CSC MC No. 5, s. 1987; and P.D. No. 2010 dated January 12, 1986, and other pertinent policies, rules and guidelines promulgated by the Civil Service Commission and the Board of Regents of the University; PROVIDED that the same system shall be further reviewed and refined, and that the University shall issue specific implementing guidelines for the purpose.

Passed 29th Meeting, October 6, 1989

Res. No. 293, s. 1989

STATING, on the basis of the aforecited premise, the position that subject unnumbered Administrative Memorandum date 09 March 1988, be withdrawn or recalled, and the accrued leaves deducted from the officials/personnel concerned to be restored; that if, as stated there was a COA observation ruling on the same matter, the officials/personnel concerned or affected should argue their side before a proper forum; finally and henceforth, the University is advised that before a professor is authorized to teach, he should be made aware as to whether this is part of his regular duties or is entitled to honorarium; that this and other related personnel actions be referred to such policy or policies prepared and promulgated by the Administrative Council as approved by the Board of Regents.

Res. No. 295, s. 1989

GRANTING, on recommendation of the University President, and in accordance with the powers and duties vested in the Board of Regents pursuant to provisions of the aforecited law, permission to one, Geodetic Engineer Feliciano delos Santos, a hired surveyor of the University, to conduct private surveys during Saturdays, Sundays and after office hours: Provided,

that such activities do not in any way interfere with his regular work or duties in the University.

Res. No. 296, s. 1989

APPROVING the Owner-Contractor Agreement made and entered into by and between the Benguet State University (BSU) duly represented by its President, Dr. Lucio B. Victor, and the CAPUYAN CONSTRUCTION, represented by its Manager, Mr. Wilson Capuyan, for the construction of the VETERINARY MEDICINE BUILDING, Phase II-A, at the contract price of ONE MILLION FOUR HUNDRED ONE THOUSAND, FOUR HUNDRED EIGHTY PESOS (P1,401,480.00) subject to work actually done, and the usual accounting rules and auditing regulations, and in accordance with the provisions of P.D. 1594, as amended, and its implementing rules and guidelines.

Res. No. 297, s. 1989

APPROVING the Memorandum of Agreement between the HADP and the BSU for the construction of one (1) unit of Greenhouse within the research sites of the University in which both agencies shall conduct research activities along seed production and multiplication, particularly on potatoes and other tropical vegetable crops.

Res. No. 298, s. 1989

APPROVING the Memorandum of Agreement between the UPLB and the BSU for a joint program in the development of a regional testing and seed multiplication of released varieties for a period of three (3) years, subject to renewal upon mutual consent of both party.

Res. No. 299, s. 1989

APPROVING the proposed tie-up between the BSU and the Faculty of Agricultural Science of the State University of Ghent, Belgium as spelled out in the Letter of Intent duly signed by the parties for a period of four (4) academic years, effective October 1990, as broadly described in the Letter of Intent.

Res. No. 300, s. 1989

APPROVING the request of the CHET, on recommendation of the University, to purchase a motor vehicle out of its own revolving fund for the support of intern students, research/extension services, and production projects, such as food processing, bakery, cafeteria, and guestel services, subject to clearance from the Office of the President.

Res. No. 301, s. 1989

APPROVING the request of the Agronomy-Horticulture Department of the College of Agriculture, to borrow seed money in the amount of TWO HUNDRED FORTY SEVEN THOUSAND NINE HUNDRED TWENTY PESOS AND 50/100 (P247,920.50) to finance a proposed seed production project on various vegetable crops, with a direction that the University prepare and come up with a well-thought-of long-range plan of priorities for the allocation of such revolving funds towards a faster pace of development.

Res. No. 302, s. 1989

AUTHORIZING, for humanitarian reasons, the return to all members of the faculty and staff from whom deductions were made of the P2,500.00 as directed under MO Nos. 155 and 155-A, and implemented by NBC No. 394; provided that the same shall be repaid/collected over a period of two (2) years at P104.00 per month as recommended by the DBM Secretary provided further that the University President is authorized to devise a scheme by which the casual/temporary employees may also be benefitted provided they have sufficient accrued leaves to answer for it in the event they are terminated; provided finally, that the University may continue follow-up its appeal for reconsideration or exemption/condonation with the Office of the President and the Department of Budget and Management.

Res. No. 303, s. 1989

STATING the Board position that while the intent of the Faculty Club is of note, the provisions of the University Charter as far as its composition and membership is concerned, are very specific; that

however, and notwithstanding such specific provisions, the Board takes it that if it is for the interest of the institution, a representative of the Club may be allowed to attend and sit in board meetings as observer when the agenda is specifically of consequence to the members thereof.

Res. No. 304-A, s. 1989

APPROVING, on the premise above, the reconstitution of the University Pre-Qualification, Bids, and Awards Committee (PBAC), as amendment to Res. No. 209, s. 1988, as implemented under Administrative Memorandum No. 2, s. 1988 in pursuance to provisions of the University Charter, particularly Sec. 9 (j) of OD No. 2010, and of OD No. 1594, as amended, and its implementing rules and regulations as follows:

- | | |
|---------------------|------------------------------------|
| 1. CHAIRMAN | -The Regional Director
NEDA-CAR |
| 2. Member (Regular) | -University Vice President |
| 3. Member (Ex-O) | -University Legal Officer |
| 4. Member (Tech.) | -University Architect |
| 5. Member-Secretary | -University & Board
Secretary |
| 6. Member (Regular) | -Representative, PICPA |
| 7. Member (Regular) | -Representative, PICE |
| 8. Member (Regular) | -Representative, DPWH |

PROVIDED, that the University President is hereby likewise authorized to constitute sub-committees as he may deem necessary to take care of the technical/administrative aspects, such as project plans, designs, estimates, supervision, monitoring, and related financial transactions related to the implementation of capital outlays of the University; Provided further and finally that the Resident Auditor shall, as provided by law, sit/be present in meetings/biddings conducted by PBAC, as witness/observer, representing the Commission on Audit (CCA).

Res. No. 304-B, s. 1989

APPROVING the request for a standing authority for the University President to enter into and sign contracts for and in behalf of the Board of Regents for the construction, repair and acquisition of buildings, machineries, equipment, and other physical facilities, or to acquire loans for improvements thereon; Provided, such contracts/agreements are submitted for review and confirmation by the same Board during its regular/special meetings, or by referendum duly passed for the purpose. This resolution takes effect upon its approval.

Res. No. 304-C, s. 1989

APPROVING the request for a standing authority for the University President to enter into and sign for and in behalf of the Board of Regents academic consortia, and formal agreements on research, extension, and other academic functions, whether local or foreign, subject to guidelines promulgated by the University Council as approved by the Board; Provided that, such consortia or agreements shall be subject to confirmation by the same Board during its regular/special meetings, or through referendum duly passed for the purpose. This resolution shall take effect immediately.

Res. No. 305, s. 1989

APPROVING and indorsing the request, as recommended by the University President, of the deans, directors, department chairmen, and heads/chiefs of various offices of the University. to be granted one (1) full representation and transportation allowance (RATA); (2) representation allowance (RA) only, and (3) or honoraria, in accordance with the herein attached list of positions/designations, with recommendations and justifications therefore indicated in the premise above, which forms part of this Resolution; Provided, that the University shall make proper representation with the Department of Budget and Management (DEM) for concurrence, funding, and records purposes.

Res. No. 306, s. 1989

APPROVING the offering/addition of two (2) more masteral courses majors, namely: (1) Master of Arts in Teaching, and (2) Masters of Arts in Education, effective the second semester, school year 1989-1990; Provided, that a semi-annual or at least annual report is made on the status, progress, and service/employment demands for graduates of such courses, including scientific breakthroughs on researches made by the graduates, and/or members of the university faculty.

Passed 28th Meeting, July 31, 1989

Res. No. 286, s. 1989

APPROVING the recommendation to charge out-of-state fees and development trust funds on foreign students at the rates indicated above; Provided that the same shall be exclusively for the purposes for which they are intended and charged, effective the 1st semester of SY 1989-1990.

Res. No. 288, s. 1989

APPROVING the request of the recommendation for the Poultry Project of Benguet State University to borrow FOUR HUNDRED THOUSAND (P400,000.00) PESOS from the Revolving Funds of the University to finance and start a poultry production project, subject to the provision that the process be in accordance with existing accounting and auditing rules and regulations.

Res. No. 276, s. 1989 (Passed 27th Meeting, May 9, 1989)

AUTHORIZING the Benguet State University to complement its teacher education programs with enriched curricula for Bachelors of Elementary and Secondary Education in addition to the existing professional courses like the BSAE, BSHT, BSHE and BSND; Provided that the curricula therefor be submitted to Dr. Nilo Rosas who heads the DECS Teacher Education Programs for further suggestion and/or annotation; Provided further that this shall be effective upon approval.

Res. No. 277, s. 1989

STATING the position that anent the RATA question, and on the basis of the information that the Dept. of Budget and Management (DBM) has issued a new budget circular (NBC No. 404, dated 29 March 1989) on the same subject and addressed to all state colleges and universities, the President is hereby authorized to identify and reconcile the positions earlier approved under Board Res. No. 250, s. 1988 in consonance with the provisions of National Budget Circular No. 404, s. 1989, and implement them vis-a-vis the approved organizational structure and governance schema of the Benguet State University.

Res. No. 278, s. 1989

NOTING the query of the Resident Auditor, and stating the position that unless there are specific rules and regulations to the contrary, the University President may sign and approve his claims on travelling expenses, provided the rates and claims therefor are reasonable and in accordance with existing accounting and auditing laws.

Res. No. 280, s. 1989

APPROVING the request of Mr. Romulo Q. Apolonio, University and Board Secretary to go on study leave on official time for three (3) semesters, effective the first semester of school year 1989-1990: Provided, that this shall be for half-time/day only; Provided further that he shall perform his usual duties, especially as Secretary of the Board of Regents; and provided finally, that since the approval is for a half-time/day only, he may be granted an extension thereof upon request and if warranted.

Passed 26th Meeting, March 29, 1989

Res. No. 267, s. 1989

CONFIRMING the referendum dated 13 March 1989, approving the Consultancy Agreement between then MSAC, now BSU, and one Hiroshi Ikeda and Mrs. Kayoko Jujii made and entered into on May 1, 1985 for a duration of five (5) years up to May 1, 1990.

Res. No. 268, s. 1989

APPROVING the conferment of Doctoral, Masteral, and Baccalaureate degrees to 279 candidates for graduation, and AUTHORIZING the University President to award the certificates/diplomas to 324 candidates from the non-degree courses, the secondary, and elementary levels, subject to completion of all academic requirements on or before graduation day ending the SY 1988-1989 on March 31, 1989, as recommended by the University Council.

Res. No. 269, s. 1989

AUTHORIZING the University President to enter into agreement for and in behalf of the University with the Dangwa Transportation Company, Inc. for the use of two (2) rooms of its Terminal Station Building at Dimasalang St., Sampaloc, Manila as Liaison Office thereat for a rental of ₱2,000.00 per room per month, effective April 1, 1989, subject to all the stipulations made in the Memorandum of Agreement.

Passed 25th Meeting, March 6, 1989

Res. No. 264, s. 1989

APPROVING the PAKYAW AGREEMENT for Labor only made and entered into by and between the BSU, represented by its President, Dr. Lucio B. Victor, as the Owner, and Arch. Fernando P. Dimacali representing the Pakyaw Group for the construction of two (2) units of layer house at the contract price of ₱4,499.00 with ninety (90) calendar days time frame to complete the work. Each unit of layer house shall be good for 3,300 birds at any given time.

Res. No. 265, s. 1989

APPROVING the allocation and use of ₱58,000 as contribution of BSU to the National SCUAA Meet held at CLSU, Muñoz, Nueva Ecija, on February 26 to March 4, 1989, as recommended and presented.

Res. No. 257, s. 1989

APPROVING the Owner-Contractor Agreement made and entered into by and between the Benguet State University (BSU), represented by its President, Dr. Lucio B. Victor, as the Owner, and the Currimao Integrated Builders Corporation (CIBC), represented by its Project Manager, Engr. Dickie C. Go, as the CONTRACTOR for the construction of the LIBRARY COMPLEX PHASE II-C at the University Main Campus, La Trinidad, Benguet at the contract price of ₱512,481.60 subject to the work to be actually done, and to all the stipulations made in the agreement. The contract period is ninety (90) calendar days reckoned upon receipt of the Notice to Proceed from the Owner.

Res. No. 258, s. 1989

APPROVING the Owner-Contractor Agreement made and entered into by and between the Benguet State University (BSU), represented by its President, Dr. Lucio B. Victor, as the Owner, and the Currimao Integrated Builders Corporation (CIBC), represented by its Project Manager, Engr. Dickie C. Go, as the CONTRACTOR, for the construction of the HOME MANAGEMENT BUILDING, at the Main University Campus, La Trinidad, Benguet, at the contract price of ₱547,782.95 subject to the work to be actually done, and to all the stipulations made in the Agreement. The contract period is ninety (90) calendar days reckoned ten days upon receipt of the Notice to Proceed from Owner.

Res. No. 259, s. 1989

APPROVING the Owner-Contractor Agreement made and entered into by and between the Benguet State University (BSU), represented by its President, Dr. Lucio B. Victor, as the OWNER, and the Capuyan Construction, represented by its Manager/Owner, Wilson G. Capuyan, as the CONTRACTOR, for the construction of the Veterinary Medicine Building, at the University Campus, La Trinidad, Benguet at the contract price of ₱1,196,005.70 subject to work actually done and to all stipulations made in the contract and the contract period is 180 calendar days, reckoned ten days upon receipt of the Notice to Proceed from the Owner.

Res. No. 260, s. 1989

APPROVING the 1989 Internal Operating Budget of the Benguet State University (BSU) in the total amount of ₱44,180,000.00 including the capital outlays for the operation, maintenance, and development of the University for the current fiscal/calendar year, as presented and recommended.

Passed 29th Meeting. October 6, 1989

Res. No. 307, s. 1989

APPROVING the request for the detail of one member of the BSU faculty at the NEDA-CAR Office to assist the said Office on a Cordillera-wide environmental planning in the management, control and development of forest, agriculture and other natural resources, for the initial period of six (6) months, effective upon the date of detail. This shall be construed as one of the features of university service-assistance to the cause of regional development.