



ANNUAL REPORT 2001



Center of Excellence in Agriculture Education
BENGUET STATE UNIVERSITY

La Trinidad, Benguet
Philippines
www.bsu.edu.ph

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2001

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FOREWORD

The Benguet State University is an institute of higher learning in the Cordillera Administrative Region. The Main Campus is located in the heart of La Trinidad Valley, Benguet Province, about five kilometers away from Baguio City. The BSU-Buguias Campus is the external campus that is located at Loo Valley, Buguias, Benguet. Both campuses are enjoying a semi-temperate climate that is conducive to learning.

The University began as an agricultural school in 1916 and eventually became a Center of Excellence in Agriculture Education in 2001. As a State University, its functions include instruction, research, extension and production. This document presents its accomplishment in 2001.

In the year 2001, the University faced head-on challenges brought about by the fast changing trends in higher education, globalization and diminishing financial support from the national government.

The accomplishments of the University reflect the continuing joint efforts of faculty members, support staff and students, the leadership of the Administrative Council and guidance of the Board of Regents.



CIPRIANO C. CONSOLACION
President



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EXECUTIVE SUMMARY

Instruction. Education is provided by the eight colleges, two academic institutes, a graduate school and a distance education through the Open University. They offer undergraduate and graduate degree and non-degree programs including basic and pre-elementary education. In the undergraduate level, there are 16 bachelor's degrees, four certificate courses, three diploma courses and one associate course. In the graduate level, there are six master's degrees and two doctorate degrees under the Graduate School and a master's degree with 6 major fields and 2 diploma courses in the Open University Distance Education Program. There are 2 short-term courses on English Language Training for Japanese and Korean students.

There are 270 regular and 39 contractual, substitute, or part time faculty members. Of the regular faculty members, 26% belong to the College of Agriculture, 24% to the College of Arts and Sciences, and all others to the small colleges and institutes. Majority of the regular faculty members belong to the Assistant Professor rank 30%, Associate Professor, 26%, Instructor, 24%, and Professor, 20%. Most of them with professor rank belong to the College of Agriculture and College of Arts and Sciences. As to the degrees earned, majority of them are master's degree holder, 43%, doctorate, 30%, bachelor's degree, 26%, and post doctoral training, 1%. The faculty members with post doctoral training are from the College of Agriculture.

The University was identified by the Commission on Higher Education as one among the six Centers of Excellence in Agriculture Education in the Philippines. For the excellence achieved, the University is awarded an incentive allocation of Php 3,000,000 for three consecutive years per year for developing and expanding its field of excellence.

A total of 8,523 students during the first semester 2001-2002 enrolled in the undergraduate and graduate degree and non-degree programs including the basic education, pre-education and English Language Training for Japanese and Korean students. Among the programs, the BS Agriculture had the most number of students with 1,117 enrollees. Majority of the students were from Benguet and Mt. Province.

There were 1,172 students who graduated in 2001 with the BS Agriculture having the greatest number of graduates of 161 in the undergraduate level, while at the graduate level, the Master of Arts with 16 graduates. Twenty four students were *cum laude* and three were *magna cum laude*. The three highest honors were garnered by the three students of BS Agriculture. The University conferred Doctor of Laws *honoris causa* to Senator Franklin M. Drillon, and Doctor of Humanities *honoris causa* to Senator Juan M. Flavier during the 76th Commencement Exercises.

In 2001 Forestry Licensure Examination, Ms. Elvira D. Besic, *cum laude*, BS Forestry 2001, garnered the 3rd Place (national level); Mr. Estelito B. Mendoza, B Secondary Education 2001, ranked 1st (regional level) in the Licensure Examination for Teachers; and Mr. Nestor Fernin, B Elementary Education 2001, ranked 3.5 (regional level).

Nine undergraduate degrees and four graduate programs were accredited (Level II) by the Accrediting Agency of Chartered Colleges and Universities of the Philippines (AACUP). In addition, four undergraduate degree programs were also accredited (Level II).

A notable accomplishment of the University Library is the setting up of Local Area Network (LAN) within the Main Library building. It established also the Virtual Library and published two issues of libnetnotes@bsu.edu.ph. There were 74 student organizations recognized by the Office of Student Affairs. There were 396 students who were recipients of (University) institutional scholarship.

Nineteen faculty members/staff were recipients of scholarships for graduate degrees; six of them were enrolled abroad and 13 in the country. There were 10 faculty members who completed advance degrees. A total of 317 workshops, conferences, seminars, and / or trainings local and abroad were attended by the faculty members.

Research and Extension. There were 26 completed researches, most of which are agriculture-based. Except for one, all others are funded by the University's budget. There were 54 on-going researches that are University funded and 46 special projects funded by other government and private agencies/ companies.

Researches given awards are as follows: development of integrated management of leafminer (*Liriomyza huidobrensis*) on potato; development and implementation of sweetpotato home/school gardening and processing entrepreneurship; antibacterial properties of *gawed* (*Piper betle* Linn); use of botanical extracts on the control of sweetpotato weevil and farmers' field School on integrated crop management in sweetpotato production in Aringay, La Union.

At least 18 extension projects/activities were completed. Most of the information disseminated are updates on agricultural technologies, entrepreneurship, health and nutrition, including health services and sports. Some of the continuing extension projects or activities are : BSU on the Air, BSU sa Barangay and Participatory Technology Adoption Program.

Internal Governance and Production. The Buguias-Loo Polytechnic College (BLPC) was integrated to the University on 24 May 2001. It is now an external campus known as BSU-Buguias Campus. Dr. Basito S. Cotiw-an, a faculty member of the College of Veterinary Medicine, Main Campus, was designated as Campus Dean.

Through the innovative efforts of Dean Cotiw-an, its curricular offerings were enhanced, faculty members and staff participated to more trainings and seminars,

student organizations were revived, improved the physical structure of the campus and instituted income generating projects (IGP).

The 2001 Institutional Review and Planning Workshop was conducted at the Agro-forestry Project, Main Campus on 20-21 November 2001. The members of the Administrative Council came up with its 2002 Plans.

There are 270 regular and 39 contractual/ part time faculty members; 343 regular and contractual support/ non-teaching staff. There were 67 contractual project personnel whose appointments are not submitted to the CSC. They are the personnel of special projects whose salaries were funded by local/ foreign donors and IGPs.

Sixteen teachers pursued advance degrees and two non-teaching staff have completed their advance degrees. Five employees were chosen outstanding employees/ researchers and were given each a cash prize and a plaque of recognition.

Inviting and formalizing linkages with local and foreign entities are a continuing endeavor of the University in order to gain new knowledge and experiences and strengthen its academic, research, extension and production programs. From this linkages, support in terms of cash funds and in kind to conduct research, acquire equipment, improve/build new infrastructure and train/ upgrade/ develop human resources were obtained. A continuing linkage that is sustained by the University is the Philippine Institutional University Cooperation (PIUC) with some universities in Belgium and Saint Louis University in Baguio City. One of the new linkages established is the BSU-DOST/ PCAMRD cooperation that is known as the Cordillera Highland Integrated Water Resource Management (CHINWAREM) Project.

The sources of internal budget are from the GAA and IGP. The gross income from the IGP was Php 19,329,336. The IGPs include the agricultural production projects, food processing projects, canteen, guest house rentals, land and facility rentals and tuition fees. The external budget came from local and foreign donor agencies sourced out for special projects of the research and extension sectors. The estimated budget of the University in 2001 from all sources is Php 183,954,981. The IGP contributed 10.51% and the local and foreign donor agencies, 5.20%, to the total University budget.

INTRODUCTION

The Main Campus of the Benguet State University is in the heart of the marshy valley floor of La Trinidad, Benguet Province, Cordillera Administrative Region (CAR). It is in the northern part of the Philippines, 45 minutes flight or 6 to 7 hours travel by land from Manila and 5 kilometers away from Baguio City. It is enjoying a semi-temperate climate that is very conducive to learning with a very wide campus, that attracts foreign and local students. It has an external campus, the BSU-Buguias Campus, that is located at Loo Valley, Buguias, Benguet Province, some 96 kilometers north of the Main Campus.

As an institution of higher learning, it was known before as the Mountain National Agricultural School, then it progressively developed into a state university now known as the Benguet State University. It began as an agricultural school and eventually became one of the Centers of Excellence in Agriculture Education in the country. As it propel development in CAR, many relevant courses were offered and research, extension and production activities formed part of the mandate of the University. In its existence as a state university, it is guided by its vision, mission and goals:

Vision: the Benguet State University is a dynamic center of excellence and a model educational institution in a sustainable environment where moral values, culture and arts thrive.

Mission: the Benguet State University is committed to propel development through its fourfold functions: instruction, research, extension and production; to realize this, the University shall have its major programs accredited, strengthen its institutional capability, empower its faculty, staff and students, and broaden its linkages and networks.

Goals: quality and relevant curriculum; globally competitive graduates; enriched learning environment; empowered faculty with improved competence in facilitating and evaluating learning; quality research and functional extension and community service; and efficient resource utilization and high productivity.

The fast changing trends in higher education in response to globalization and the decreasing financial support from the national government posed challenges to the University in year 2002. Efforts were made to enhance and attune the academic offerings as well as the research and extension outputs. To augment and supplement the budget, fund sourcing for external budget and the income generating projects (IGPs) were intensified. These were made possible through the concerted efforts of the faculty members, support staff and students, able leadership and management of the administrative council and guidance of the Board of Regents.

INSTRUCTION

ACADEMIC PROFILE

The planning and implementation of the academic programs of the University are facilitated and coordinated by the Office of the Vice President for Academic Affairs (OVP-AA). The Vice President for Academic Affairs is assisted by a designated Special Assistant.

Academic Units : The OVP-AA is composed of the following colleges, academic institutes and units:

- ❖ College of Agriculture (CA)
- ❖ College of Arts and Sciences (CAS)
- ❖ College of Engineering and Applied Technology (CEAT)
- ❖ College of Forestry (CF)
- ❖ College of Home Economics and Technology (CHET)
- ❖ College of Nursing (CN)
- ❖ College of Teacher Education (CTE)
- ❖ College of Veterinary Medicine (CVM)
- ❖ Graduate School (GS)
- ❖ Open University (OU)
- ❖ Institute of Physical Education and Sports (IPES)
- ❖ Institute of Public Administration (IPA)
- ❖ Office of the Registrar (OR)
- ❖ Office of Student Affairs (OSA)
- ❖ University Library Services (ULS)
- ❖ University Health Services (UHS)

Academic Programs. The Colleges, Graduate School, Open University and Institutes offer undergraduate and graduate degree and non-degree programs. These programs are presented in Table 1.



CTE Students



CHET Students

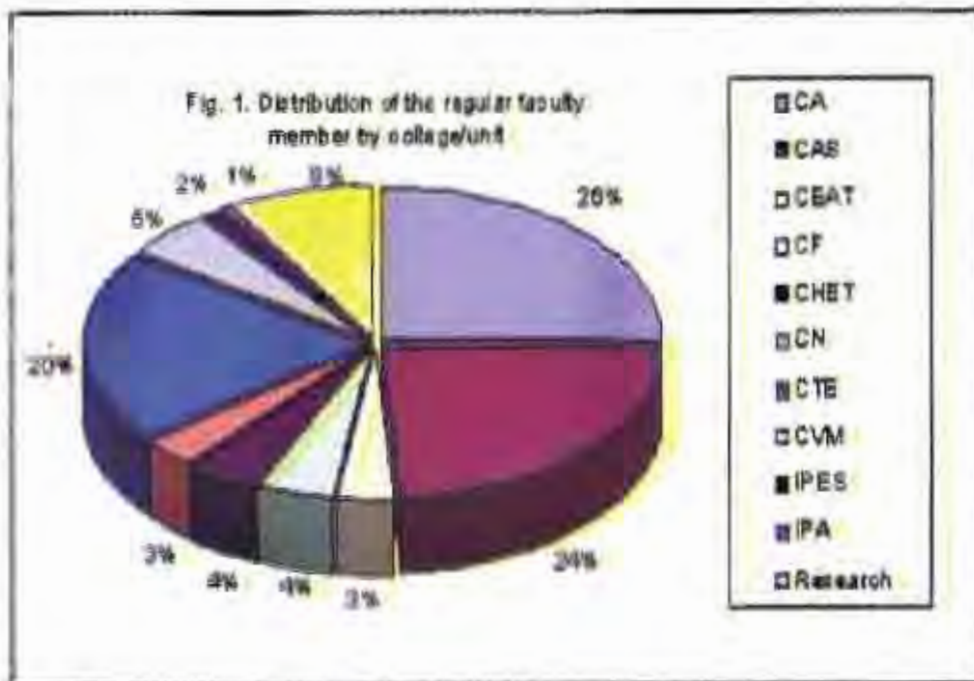
Table 1 Undergraduate and graduate degree and non-degree programs

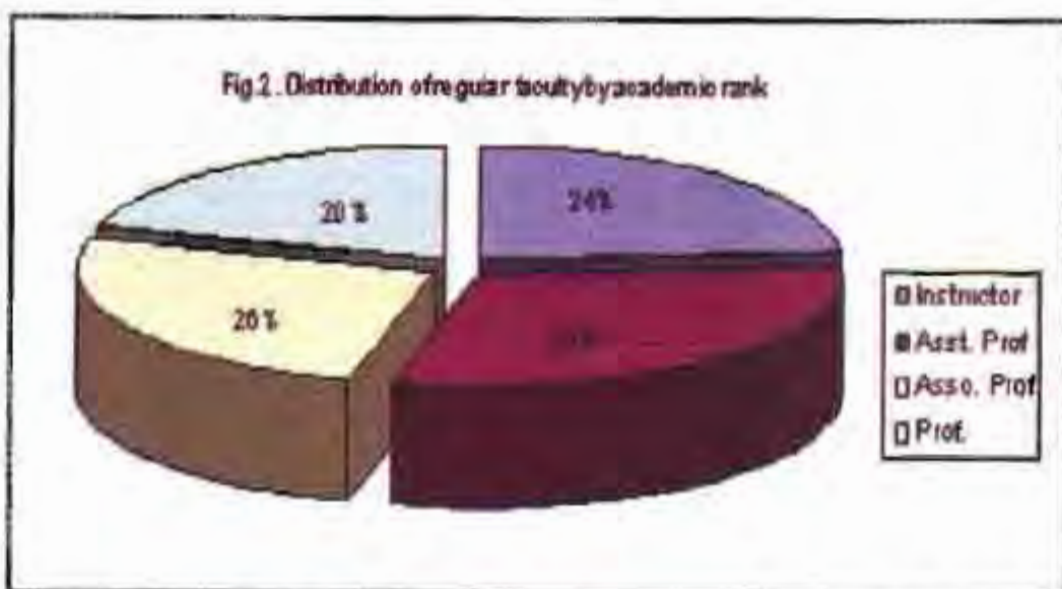
ACADEMIC UNIT/ PROGRAM	ACADEMIC UNIT/ PROGRAM
College of Agriculture BS in Agriculture BS in Agribusiness BS in Development Communication Diploma in Agroforestry	Graduate School PhD Agricultural Education PhD Agronomy PhD Horticulture PhD Rural Development PhD Language Education Ph D Science Education (Biology) EdD Educational Management Master of Science (MS) in: Agricultural Economics, Agricultural Education, Agronomy, Animal Science, Biology, Botany, Entomology, Extension Education, Forestry, Horticulture, Plant Pathology, Rural Development, and Soil Science. Master of Arts in: Applied Statistics, Chemistry, English as a Second Language, Filipino as a Second Language, General Science, Home Economics, Mathematics, Physical Education, Physics, Social Studies, and Technology and Home Economics. Master of Arts in Education: Contextualized Instruction, Educational Administration and Supervision, Elementary Education, and Guidance and Counseling. Master of Resource Systems Management Master of Science in Forestry: Silviculture and Watershed Management Master of Public Administration
College of Arts and Sciences BS in Applied Statistics BS in Environmental Sciences BS in Information Technology	
College of Engineering and Applied Technology BS in Agricultural Engineering Certificate in Automotive Mechanics	
College of Forestry BS in Forestry Forest Ranger Certificate Course	
College of Home Economics and Technology BS in Home Economics BS in Nutrition and Dietetics Associate in Entrepreneurial Technology	
College of Nursing Bachelor of Science in Nursing	
College of Teacher Education Bachelor in Elementary Education Bachelor in Secondary Education BS in Agricultural Education Basic Education Pre-elementary Education	
College of Veterinary medicine Doctor of Veterinary Medicine BS in Animal Technology	
Institute of Physical Education and Sports Diploma in Physical Education	

Faculty Profile: There were 270 regular faculty members, and 39 contractual/substitute/part-time faculty members. The contractual/substitute/part-time faculty members cross-taught in various Colleges, while some government employees were hired as part-time faculty members.

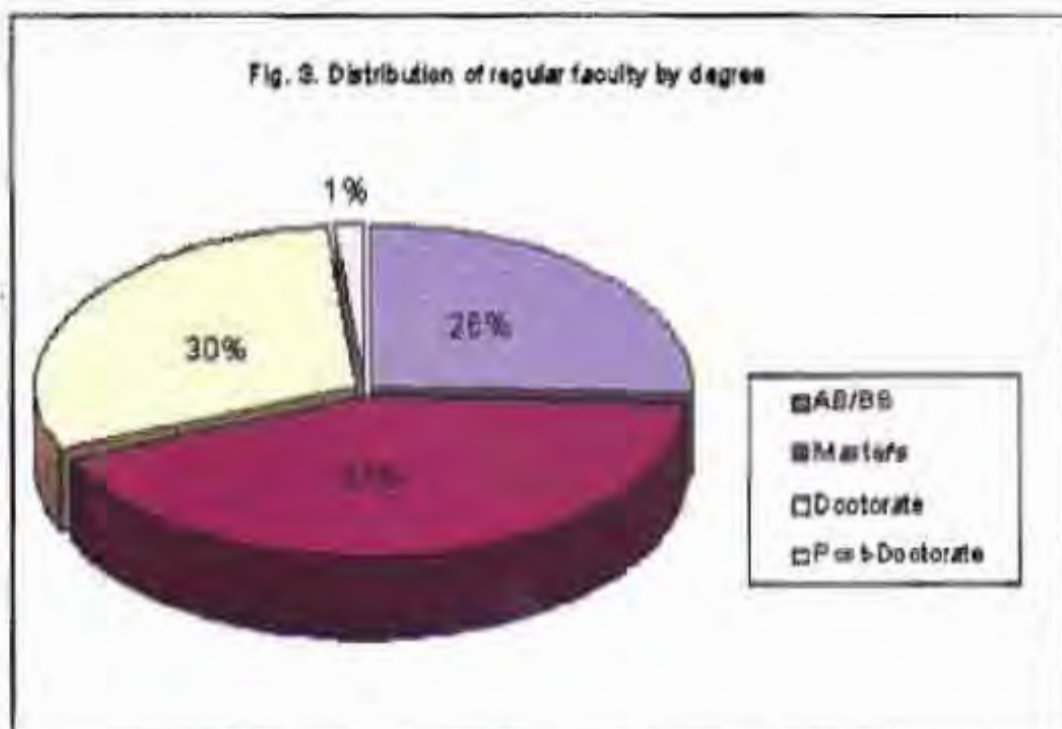
The distribution of the regular faculty members by College/Unit is shown in Fig. 1. The College of Agriculture had the most number of faculty members (26%), followed by the College of Arts and Sciences (24%) and the College of Teacher Education (20%). All of the regular faculty members serving the Graduate School are from the colleges and academic institutes offering graduate courses. Most of the faculty members serving the Open University are part time teachers from government and non-government agencies. There are 22 researchers with equivalent faculty rank (8%). Some were given teaching assignment in the College of Agriculture and College of Arts and Sciences, in addition to their research assignment.

In terms of academic rank distribution, majority of the regular faculty members are Assistant Professors, 30%; Associate Professors, 26%; Instructors, 24%; and, Professors, 20%, (Fig. 2). Most of the faculty members with professor rank come from the College of Agriculture and College of Arts and Sciences.





In the distribution of regular faculty by degree (Fig. 3), majority of them are master's degree holder, 43%; doctorate, 30%; bachelor's degree, 26%; and post doctoral training, 1%. The faculty members with post doctoral training come from the College of Agriculture



ACCOMPLISHMENT

As a Center of Excellence in Agriculture Education. The University was identified as one among the six Centers of Excellence (COE) in Agriculture Education in the Philippines. This is in accordance with the pertinent provisions of Republic Act (RA) No. 7722, otherwise known as the "Higher Education Act of 1994", by virtue of Resolution No. 42-2000 of the Commission on Higher Education (CHED) and as recommended by the Office of Programs and Standards (OPS) and Technical Panel for Agriculture (TPAE). Eventually, the University was awarded an incentive appropriation of Php3,000,000 per year for three consecutive years. The incentive shall be used to upgrading facilities, human resource development, enriching publications and enhancing related academic activities.

Enrolment. Enrolled in the undergraduate level for the 1st semester of SY 2001-2002, were a total of 6,231 students (Table 2). Under the graduate school, there were 114 doctorate students, 532 master's students, and 30 diploma and certificate students. A total of 223 master's students were enrolled in the Open University program (Table 3).

Table 2. Enrolment in the undergraduate programs in 2001-2002

Program	Summer	1 st Sem	2 nd Sem
Bachelor in Elementary Education	272	846	844
Bachelor in Secondary Education	245	1047	940
BS in Agribusiness	59	193	180
BS in Agricultural Education	121	237	241
BS in Agricultural Engineering	53	253	198
BS in Agriculture	251	1117	1112
BS in Animal Technology	9	12	2
BS in Applied Statistics	5	77	74
BS in Development Communication	10	114	107
BS in Environmental Science	117	282	297
BS in Forestry	103	280	260
BS in Home Economics	68	421	402
BS in Information Technology	5	101	98
BS in Nursing	69	395	322
BS in Nutrition and Dietetics	61	186	166
Doctor of Veterinary Medicine	111	349	339
Assoc Entrepreneurial Technology	61	133	127
Certificate in Automotive Mechanics	0	45	31
Diploma Agroforestry	20	84	70
Forest Ranger Certificate Course	28	50	44
(Cross enroll)	1	9	29
<i>Total</i>	<i>1,669</i>	<i>6,231</i>	<i>5,883</i>

Table 3. Enrolment in the graduate programs in 2001-2002

Academic Unit/ Program	Summer	1 st Sem	2 nd Sem
Graduate School			
PhD Agricultural Education	2	2	2
PhD Agronomy	0	6	6
PhD Horticulture	1	2	2
PhD Rural Development	16	5	38
PhD Language Education	2	46	5
PhD Science Education (Biology)	4	5	6
Doctor of Education	25	48	51
<i>Sub-total</i>	50	114	110
Master of Arts	173	186	214
Master of Arts in Education	207	127	152
Master of Forestry	0	13	18
Master of Resource Systems Management	2	7	9
Master of Science	44	105	111
Master of Public Administration	21	94	94
<i>Sub-total</i>	447	532	598
Diploma in Physical Education	24	14	15
Certificate in Public Administration	0	16	1
Diploma in Public Administration	0	0	14
<i>Sub-total</i>	24	30	30
<i>Total</i>	521	676	738
<i>Open University</i>			
Master in Community Development		97	
Master in Cooperative Management		19	
Master in Development Communication		26	
Master in Non-formal Education		11	
Master in Human Resource Development		57	
Master in Urban Management		13	
<i>Total</i>	521	223	738

Majority of the students were enrolled in the undergraduate courses (Figure 4 and 5). The Bachelor of Science in Agriculture had the highest number of students enrolled, 1,117; followed by Bachelor in Secondary Education, 1,047; and Bachelor of Elementary Education, 846.

During the year, a total of 1,362 pupils enrolled in basic education and pre-elementary level (Table 4). The secondary and elementary education served as the laboratory school for practicing teachers of the College of Teacher Education.

In addition, 31 foreign students enrolled in the Japanese Functional English and Experiential Learning Course (JFEELC) and Functional Intensive English Training

Program (FIETP) (Table 5). These programs are cooperative projects between the University and Mjaki Enterprise, Japan and Sangju National University, Korea.

Approximately, a total of 8,523 student-clients were served by the University for year 2001.

Table 4. Enrolment in the basic and pre-elementary education programs

Program	Enrollees
Elementary	690
Secondary	562
Kindergarten I	51
Kindergarten II	59
<i>Total</i>	<i>1,362</i>

Table 5. Enrolment in the English training program

Program	Enrollees
Japanese	5
Korea	26
<i>Total</i>	<i>31</i>

Fig. 4. Enrolment in the graduate and undergraduate programs during the first semester 2001-2002

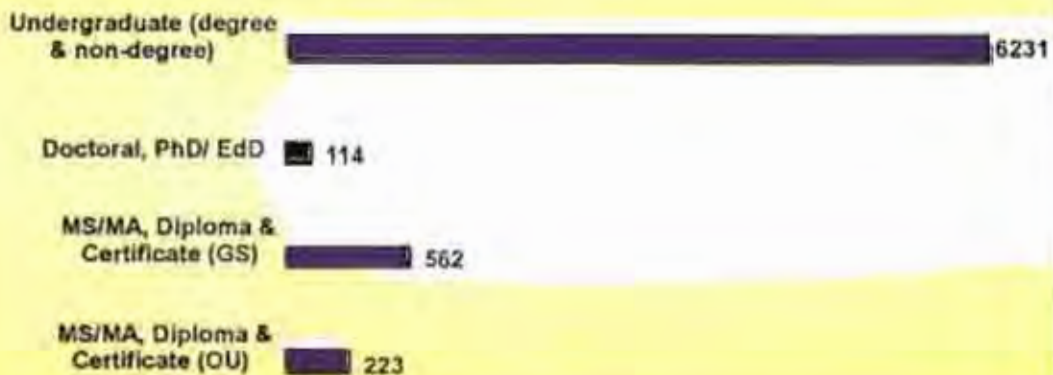
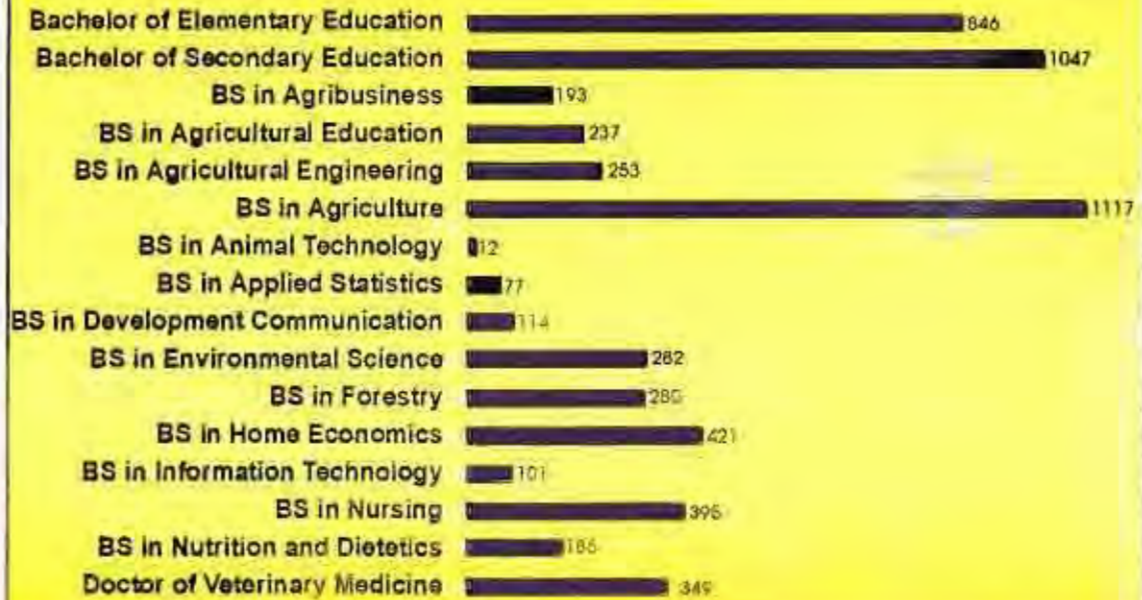
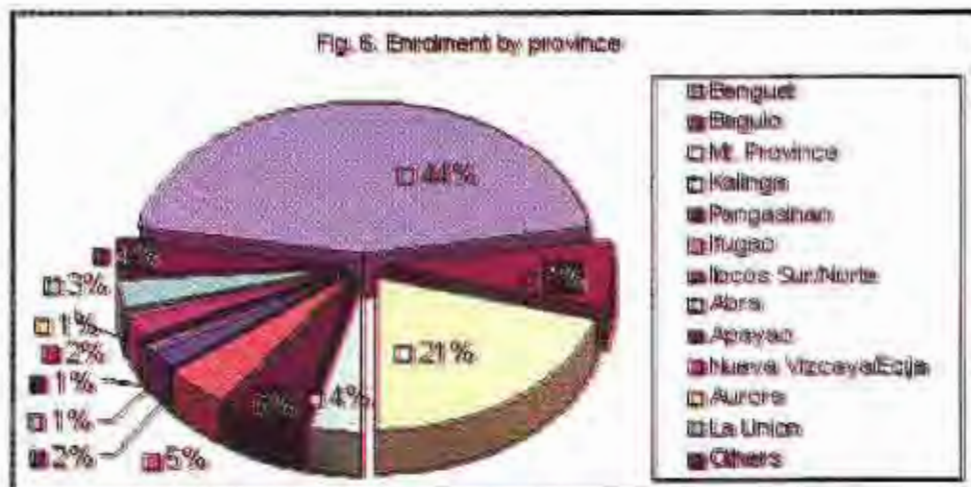


Fig. 5. Enrolment in the undergraduate (BS Degree) program during the 1st semester



The undergraduate student population of the University come from the different provinces of the Cordillera Administrative Region (CAR) and nearby provinces. Majority of the students are from Benguet (44.4%), and Mountain Province(21%) as shown in Fig. 6. There were also students coming from Region I, Region II and Region III.

Fig. 6. Enrolment by province



Graduates. A total of 1,172 students graduated during the year at all levels: undergraduate, graduate, basic and pre-elementary education (Table 6 and Table 7). The number of graduates decreased by 5.48% (from 1,240 in 2000-2001 to 1,172 in 2001-2002).

Table 6a. Total number of graduates (March, May, October, 2001)

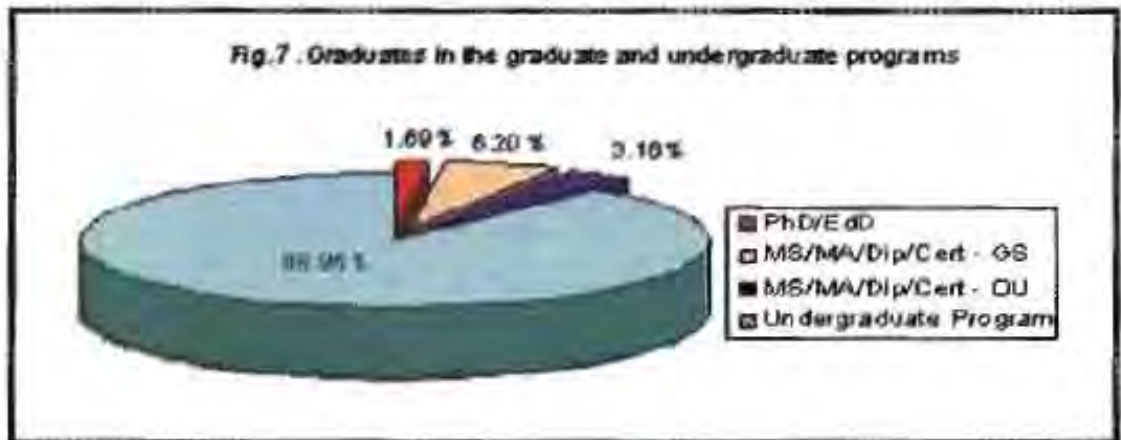
Undergraduate and Non-Degree Programs	Number	Graduate School	Number
Bachelor of Elementary Education	108	PhD Agricultural Education	2
Bachelor of Secondary Education	116	PhD Horticulture	1
BS in Agricultural Education	42	PhD Rural Development	6
BS in Agribusiness	18	Doctor of Education	6
BS in Agricultural Engineering	25	Master of Arts	16
BS in Agriculture	161	Master of Arts in Education	9
BS in Animal Technology	5	Master of Resource System Management	1
BS in Applied Statistics	2	Master of Science	10
BS in Environmental Science	34	Master in Public Administration	5
BS in Forestry	40	Certificate in Public Administration	4
BS in Home Economics	87	Diploma in Physical Education	10
BS in Nutrition and Dietetics	14	Sub-total	70
BS in Nursing	19	<i>Open University</i>	
Doctor of Veterinary Medicine	19	M in Community Development	7
Cert Advance Automotive Mechanics	29	M in Cooperative Management	5
Cert Basic Automotive Mechanics	31	M in Non-formal Education	1
Diploma in Agroforestry	22	M in Human Resource Development	1
Forest Ranger Certificate Course	17	M in Urban Management	4
Sub-total	789	Diploma in Training Management	1
		Total	26

Table 7. Basic education and English

Basic Education	254
Elementary	143
Secondary	111
English Training Program	31
Japanese	5
Korean	26



The Bachelor of Science in Agriculture had the most total number of graduates (161), followed by Bachelor of Secondary Education (116) and the Bachelor of Elementary Education (108). At the Graduate Level, the Master of Arts programs had the highest total number of graduates (16). Fig. 7 shows the proportion of the graduates in the different programs.



2001 Graduates



Commencement Procession



IPES learning center



Torch Parade

Honor Graduates. Out of the 690 graduates of the undergraduate courses, twenty-four were *cum laude* and three were *magna cum laude*. The three *magna cum laude* are BS Agriculture graduates. Table 8 shows the *cum laude* graduates according to degree.

Table 8. Honor graduates (*cum laude*) according to degree

Degree	Number
B of Elementary Education	9
B of Secondary Education	3
BS in Agricultural Education	1
BS in Agriculture	9
BS in Environmental Science	2
BS in Forestry	1
BS in Home Economics	1
BS in Nutrition and Dietetics	1
Total	27

Pres. Consolacion Awarding medal to Ms. Elvira P. Belino (*cum laude*)



Honorary Degree. By virtue of Board Resolution No. 1012, s. 2001, the University conferred Doctor of Laws *honoris causa* to Sen. Franklin M. Drillon, during the 76th Commencement Exercises. The same resolution conferred Doctor of Humanities *honoris causa* to Sen. Juan M. Flavier. However, Sen. Flavier was represented by Dir. Juvencio F. Ordoña, Regional Director of Health, Region I because the senator can not land at the Loakan Airport due to bad weather condition.

Sen. Franklin Drillon



Dir. Juvencio F. Ordoña
Representing Dr. Juan Flavier



Performance in Licensure/Board Examination. In the 2001 National Forestry Licensure Examination, Ms. Elvira D. Besic, garnered *3rd Place*, she also graduated as *cum laude* in 2001. In view of the honor garnered by Ms. Besic, the College of Forestry received a Certificate of Recognition from the Professional Regulatory Commission Board of Foresters on July 16, 2001; during the same year, Mr. Estelito B. Mendoza, Bachelor of Secondary Education graduate, ranked 1st (regional level) in the Licensure Examination for Teachers; and Mr. Nestor Fermin, Bachelor of Elementary Education graduate, ranked 3.5th (regional level). A summary of the licensure/ board examination performance for the various degrees is shown in Table 9.

The institutional passing rates for Nurses' and Teachers' Board Examinations were higher than the national passing rate the Veterinarians' was comparable to the national passing rate, while those for Agricultural Engineers, Dietician and Nutritionists, and Foresters were below the national passing rate.

Table 9. Performance in board/licensure examinations (2001)

Board/ Licensure Examination	No. of Examinees	No. of Passers	Bsu Passing %	National Passing %
Agricultural Engineers	39	19	48.72	51.55
Dietician and Nutritionists	24	8	33.33	57.69
Foresters	87	38	43.68	53.47
Teachers - Home Economics-Elementary	40	36	90.00	33.96
Teachers - Home Economics-Secondary	31	25	80.65	34.93
Nurses (May)	20	18	90.00	54.30
Nurses (November)	1	1	100.00	No data
Teachers-Elementary	101	95	94.06	33.96
Teachers-Secondary	78	64	82.05	34.93
Teachers-Agricultural Education	34	21	61.76	34.93
Veterinarians	24	11	46.00	48.30

Accreditation of Degree Programs. As of December 31, 2001, nine undergraduate degree programs and four graduate programs have been re-accredited (Level II) by the Accrediting Agency of Chartered Colleges and Universities of the Philippines (AACUP). These are:

- ❖ Bachelor of Elementary Education
- ❖ Bachelor of Secondary Education
- ❖ Bachelor of Science in Agribusiness
- ❖ Bachelor of Science in Agricultural Education
- ❖ Bachelor of Science in Agriculture
- ❖ Bachelor of Science in Applied Statistics
- ❖ Bachelor of Science in Nursing

- ❖ Doctor of Veterinary Medicine
- ❖ Master of Resource Systems Management
- ❖ Master of Science in Agriculture
- ❖ Doctor of Philosophy in Horticulture
- ❖ Doctor of Philosophy in Rural Development

In addition, four undergraduate degree programs were also accredited (Level II) by AACUP. These are:

- ❖ Bachelor of Science in Agricultural Engineering
- ❖ Bachelor of Science in Forestry
- ❖ Bachelor of Science in Home Economics
- ❖ Bachelor of Science in Nutrition and Dietetics.

Library Services. The University Library Services (ULS) provided support for the instructional, research and extension service capabilities of the University. Its notable accomplishments are as follows :

- ❖ Setting up of a Local Area Network (LAN) within the Main Library building;
- ❖ Setting up of two stand-by computers in the reading areas for students who want to access information through CDSISIS software using ARALIN as database; terms of loan and access to the library's information resources for all user categories are being done electronically, as well as through the conventional method of locating the resources through the card catalog; However, the card catalog was not updated because newly acquired resources were directly computerized and use of bar codes were implemented;
- ❖ Launching of a Virtual Library during the University Day Celebration on January 10, 2002. Students, faculty and other researchers can now access information on line; there are five workstations connected to the LAN; Two workstations are for CDROM users, two for Internet users, and one for OPAC users; and
- ❖ Publication of two issues of the libnetnotes@bsu.edu.ph to further aid students.

Health Services. The University Health Services (UHS), composed of the medical and dental sections, catered to the health needs of students, faculty and staff, including their dependents and other members of their households. Its accomplishments are :

- ❖ Conducted annual medical examination of new students and personnel; and
- ❖ Extended health services such as school visitors and walk-in patients from neighboring barangays (i.e., Balili and Betag).

Student Services. The Office of Student Affairs (OSA) facilitated the personal growth and development of students through the following offices and units of the OSA:

- ❖ Guidance and Counseling Office
- ❖ Student Financial Aid Office;
- ❖ Testing, Research and Materials Development Office
- ❖ Student Development Office
- ❖ Placement Office

- ❖ OSA Satellite Offices
- ❖ Residence Halls.

During the year, the OSA pursued a 10-point agenda as follows:

- ❖ Vitalization of Youth Development Program
- ❖ Expansion of the OSA Student Center
- ❖ Construction of an additional dormitory
- ❖ Computerization of OSA records and other related data
- ❖ Establishment of a Cordillera Youth Development Program and Wellness Programs;
- ❖ Sustenance of Project : BAYANI, and Advocate First Call: "Balili-Sagipin";
- ❖ Conduct of research activities;
- ❖ Recruitment of qualified and competent OSA personnel;
- ❖ Establishment of placement linkages and networking; and
- ❖ Development testing materials

There were 74 student organizations that have been organized; these are either mandated, different major societies, religious in nature, non-affiliated, and athletics.

Scholarships. Student scholarships for the undergraduate programs were sponsored by the institution, government and private agencies (Table 10a and Table 10b). The institutional scholarship were given to students who are members recognized student groups/ organizations that are performing co-curricular activities.

Table 10a. Undergraduate student scholarships (government & private agencies)

Government and Private Agencies	1 st sem	2 nd sem
Department of Science and Technology (DOST)	10	7
National Integration Study Grant Program	19	21
Selected Ethnic Group Educational Assistance Program	15	15
Special Study Grant Program	47	41
National Commission on Indigenous Peoples (NCIP)	5	1
La Tondeña Foundation, Inc	1	1
CFO	1	1
ZONTA	12	7
Cordillera Association of Regional Executives (CARE)	19	14
Total	129	108

Table 10b. Undergraduate student scholarships (institutional scholarships)

Institutional (BSU) Scholarships	1 st sem	2 nd sem
Academic Scholar	7	13
Mt. Collegian	7	12
ROTC	13	19
Athletics	29	38
Glee Club	19	17
Rondalla	21	14
Kontad	23	20
Dulaang Filipiniana		8
Band		7
CHED-DILG	2	2
Employee Dependents	58	54
SK/DILG Dependents	190	190
Entrance Scholar	16	0
Supreme Student Council	2	1
Total	387	395

In the graduate school, local and partial scholarship grants in the form of 50% discount on tuition fees were given to BSU faculty and staff. Other scholarship program, are shown in Table 11 including the two foreign students are enjoying international scholarship

Table 11. Graduate student's scholarships

Scholarship	No
BSU Local Scholarship Grant	2
BSU Partial Scholarship	61
FAPE Scholarship	16
LSP – CSC Scholarship	2
USAID Scholarship	1
British Council Scholarship	1
Total	83



JFEELC students with coordinators



Faculty and Staff Development. During the year, 19 faculty/staff were recipients of scholarship for graduate degrees. Six were enrolled abroad, while 13 enrolled in local schools. On the other hand, 47 faculty/staff pursued higher degrees at their own expense. Ten faculty members have completed their graduate degrees (Table 12). Supposedly, Ms. Aimee P. Milagrosa, who obtained her master's degree at Ghent University should have reported back but she will continue her doctoral degree in the same University.

Table 12. Faculty members who completed their advanced degree

Name	Field of Specialization	University
Aber, Silvestre K.	PhD Horticulture	University of Western Sydney
Belino, Pelin B.	MS Applied Nutrition	UP Los Baños
Berroya, Aileen C.	PhD Biochemistry	UP Los Baños
Dayap, Emilia F.	MS Soil Science	Benguet State University
Feria, Edna D.	MA Social Science	Benguet State University
Lartec, Jane K.	MA Filipino as Second Language	Benguet State University
Miguel, Dante M.	EdD Educational Management	Benguet State University
Milagrosa, Aimee P.	MS Agricultural Development	Ghent University
Sacayanan, Jennifer Lyn B.	MA Physics	Benguet State University
Salcedo, Precila G.	MS environmental Science	UP Los Baños

Attendance in Workshops/Conferences/Seminars/Trainings. A total of 317 local and international workshops, conferences, seminars, and/or trainings were attended by the some faculty and staff of the University. The College of Agriculture had the highest number (164). Table 13 shows the faculty members who have attended international workshops, conferences, seminar and/or trainings.



Dr. Rogelio D. Cotting, Dr. Daryn D. Tagarino and Dr. Cipriano C. Consolacion in Vietnam



Dr. Merestala and Prof Chino of Chiba, Japan

Table 13. International workshops, conferences, seminars and/or trainings attended by the Faculty members

Name (College/Unit)	Date	Place
Badol, Estela O. (NPRCRTC)	02-26 October 2001	USA
Bayangan, Evelyn M. (CAS)	22-31 October 2001	South Korea
Buliyat, Marcos A. (CAS)	16 February-18 March 2001	Belgium
Calora, Jose Feliciano, Jr. G. (CF)	17-19 October 2001	USA
Cawaon, Florence C. (CN)	No data	USA
Colling, Rogelio D. (CA)	29 September 2001 15 October 2001	Vietnam China
Consolacion, Cipriano C. (CA)	29 September 2001	Vietnam
Ganga, Zenaída N. (CA)	June 2001-May 2002	USA
Gayaw, Betty T. (NPRCRTC)	10 January- 10 June 2001 08-10 July 2001	Netherlands Indonesia
Ladilad, Araceli R. (CA)	05-17 November 2001	Chiang Mai, Thailand
Ligat, Bonie S. (CA)	16 February-18 March 2001	Belgium
Merestela, Tessie M. (CA)	28-30 November 2001	Chiba, Japan
Perez, Jocelyn C. (NPRCRTC)	09-13 July 2001	Netherlands
Quindana, Hilda L. (NPRCRTC)	09-13 July 2001	Netherlands
Sim, Jovita S. (NPRCRTC)	09-13 July 2002	Netherlands
Tagarino, Daryn C. (CA)	5-9 March 2001 23-27 March 2001 29 September 2001 03-11 December 2001	Thailand Brussels, Belgium Vietnam Belgium
Bandang, Leoncio L.	13-19 November 2001	Suwon, Korea

RESEARCH AND EXTENSION

RESEARCH AND EXTENSION PROFILE

Research and Extension Units. The Research and Extension Services are under the supervision of the Office of the Vice President for Research and Extension (VPR&E). It is composed of the following research centers and institutes:

- ❖ Office of the Director for Research (ODR)
- ❖ Office of the Director for Extension (ODE)
- ❖ Horticulture Research and Training Institute (HORTI)
- ❖ Institute of Highland Farming System and Agroforestry (IHFS)
- ❖ Institute of Highland Policy Studies and Socio-Economic Research and Development (IHPSSERD)
- ❖ Northern Philippines Root Crops Research and Training Center (NPRCRTC)

Research and Extension Council. The heads of the above offices and the research and extension units of each colleges and institutes constitute the Research and Extension Council. The Council coordinates the conduct of research and extension activities. It is chaired by the Vice President for Research and Extension.

Researchers and Extension Personnel. Researches and extension programs and activities are being implemented by the personnel of the different research centers and institutes. Also included are some faculty members who have researches in their own field of specialization. Special projects, with adequate funds hire their own contractual researchers and extension personnel.

Highland Agriculture and Resource Research and Development Consortium (HARRDEC). This Research and Development Consortium based at the University was established by PCARRD through a memorandum of agreement. It conducts annual inventory of research manpower and facilities, on going and completed researches and technologies generated and verified in CAR.



Semi-temperate vegetables of the Cordillera



Northern Philippines Root Crops Research and Training Center research products

ACCOMPLISHMENTS

Research Highlights. Biological control (biocon) and management control strategies highlighted some of the accomplishment R and D. Specifically, these were carried out in the following studies:

- ❖ *Lino, L.G., Poppe, J. and Hoffe, M. Antibacterial Activity of Piper betle Linn.* Antibacterial in vitro assays revealed the presence of bioactive compound(s) in the chloroform extract of *Piper betle* leaves. The minimum inhibitory concentrations of chloroform extracts were 50ug/ml for *Agrobacterium tumefaciens*, 60 ug/ml for *Erwinia amylovora*, 125 ug/ml for *E. carotovora pv carotovora* and 60 ug/ml for *Xanthomonas campestris pv campestris*. Direct bio-autography on thin layer chromatography (TLC) plates confirmed the presence of bioactive compound(s) in the chloroform extract. When subjected to MS and MNR spectroscopy, Hydroxychavico, an antibacterial compound was identified. Leaf extract of *Piper betle* was utilized for *in vivo* experiments against the *X. campestris pv campestris* pathogen, the causal agents of black rot in cabbage. The detached leaf technique, germination, greenhouse and field experiments confirmed the antibacterial activity of the leaf extract. Both post (curative) and pre (protective) inoculation techniques reduced the infection of black rot in cabbage plants.
- ❖ *Colting, L.M.; Perez, J.C.; Colting, R.D.; Ligat, B.S. Mangili, T.K. Integrated Management of Potato Leafminer.* The project aimed to: find out the degree of infestation and abundance of potato leafminer in one cropping season; determine the cultural practices that will minimize population of the potato leafminer; and screen varieties of potatoes that is tolerant/resistant to potato leafminer; and screen insecticides that are compatible with integrated management of potato leafminer.

The effectiveness of using pan trap, yellow sticky trap and rebel trap against potato leafminer were evaluated at BLPC, Loo and BPI, Baguio City. Initial results showed that yellow sticky trap and rebel trap were more effective than pan trap.

- ❖ *Perez, J.C; and. G. Backian. Biological Control of Major Insect Pests of Rootcrops in the Cordillera.* *Lantana camara* was effective in terms of potato tuber damaged, lower number of live larvae, least number of holes, and highest number of dead larvae. On the other hand, the use of *Nicotiana tabacum*, *Tithonia diversifolia*, *Helianthus annus Linn.*, *Datura metel*, and rice bran effectively controlled the incidence of sweetpotato weevil and sweetpotato diseases at storage.
- ❖ *Perez, J.C., Gonzales, I.C., Quindara, H.L., Marquez, W.L., Sim, J.M., Backian, G.S., Balog-as, F.S., Botanen, A.T. and Botangen, E.T. Farmers' Field School on Integrated Crop Management of Sweetpotato in Aringay, La Union.* The project aimed to strengthen the production of raw materials in the peri-urban areas in support of the thriving processing enterprise in Baguio City, the FFS approach offers an alternative for a more efficient and

effective tool in transferring technology. It relies on the principle of "learning by doing" it also adds to farmers' knowledge and experiences and improves their capacity as farm managers. Further, it gives the farmers the opportunities to experiment on new technologies, and learn how to evaluate and decide by themselves different options more systematically.

Aside from the FFS, the participatory technology development was included in the process specifically to build and improve the farmer-researcher teamwork, explore the complimentary role of farmer and researcher knowledge in defining needs, develop research and training agendas and evaluate technological options. The integration of the expertise of researchers and farmers addresses the farmers' problems more effectively.

Completed Researches. As of the year, there were 26 completed researches (Table 14). Except for the research of Avila and Balaoing, which was funded by the Bureau of Postharvest Research and Extension, all of these researches were funded by the University's budget.

Table 14. Completed researches in 2001

Researcher(s)	Study/ Project	Research Unit
Avila, J.K. and Balaoing, L.C.	Acceptability of Highland Potato Fries	CHET/BPHRE
Basalong, A.S.	<ul style="list-style-type: none"> • Diseases on Rejuvenated Coffee Arabica Fertilized with Organic Manures • Influence of Cropping Systems on the Incidence of Arabica Coffee Disease 	CA
Batani, R.S.	Obtaining Conditions of Women Potato Farmers and Their Households in the Selected Communities of Buguias, Benguet in the Context of the Implementation of the Agreement on Agriculture.	CAS/ IHPSSERD
Botje, C.S. and Dolipas, B. B.	Assessment of the Acquisition of Scientific Values of BSE Senior Students Majoring in Science	CA
Dagupen, M. T.	Inventory and Cataloguing of Fisheries Resources of Amburayan River, Upper Reach and Bued River	IHFSA/ CA
Domondon, D.L. and Poppe, J.	Influence of Grass Seeds as a Substrate Supplement for the Cultivation of King Stropharia and Oyster Mushroom	HORTI / CA
Kiswa, C.G.	Rapid Propagation of Disease-free Planting Materials of Potential Sweetpotato Varieties	NPRCRTC
Laruan, M.L.	Competencies of Cooperating Teachers as Perceived by the BSE Students	CTE
Ligat, B. S.	<ul style="list-style-type: none"> • Evaluation of Insecticides Against Leafminer Associated with Snap bean • Survey on the Natural Enemies of Banana Aphids and Mites 	CA
Lirio, L. G.	Antibacterial Activity of Philippine Medicinal Plants	HORTI

Researcher(s)	Study/ Project	Research Unit
Lubrica P.A., Cawat, A.C. and Montemayor, J	Comparative Performance of CTE Graduates in the Licensure Examination for Teachers from 2000-2001	CTE
Luma-ang, C. et al.	Performance of Students in the NEAT and NSAT from 1998-2000: An Assessment	CTE
Mula, R., Rhoades, V.N. and Paniero, M.	Homegarden as a Household Coping Strategy: A View from the Policy Environment	IHPSSERD/ ODE
Nagpala, A.L.	<ul style="list-style-type: none"> • Studies on the Interaction of Lime and Trichoderma Against Clubroot of Cabbage • Studies on the Management of Diseases in Organically Grown Vegetables 	CA
Perez, J.C., et al.	Biological Control of Major Insect Pests of Root crops in the Cordillera	NPRCRTC/ CA
Sito, I. R.	Career Preference of CTE Freshmen Students	CTE
Tagarino, D.D	<ul style="list-style-type: none"> • Market Research and Development for Clean Vegetables • Structure, Conduct and Performance of the Vegetable Seed Industry 	IHPSSERD/ CA
Tagarino, D.D. and David, F.V.	Production and Marketing of High Value Crops: Broccoli	IHPSSERD
Toledo, P.E., Dayap, E.F. and De Leon, T. J.	Carrot Integrated Research and Development Program	HORTI

On-going Researches. There are 54 on-going researches that are funded by the University's budget (Table 15a). As indicated in Table 15b, at least 46 on-going researches are assisted by funding agencies. The different special projects of the University are assisted by other government and private agencies or companies. They provide financial assistance for the operating expenses, equipment and facilities of the projects.



Chrysanthemum research on White rust



Verticillium spp. For biological control of white rust

Table 15a. On-going researches in 2001

Researcher (s)	Project Title	Unit/s
Agaldang, J.L.	Design and Development of Root Crops Processing Equipment for Village Level Operation	NPRCRTC CEAT
Alejandro, V.D.	Tissue Culture Research and Development Program of Highland Crops	CA
Alipit, P.B.	Development of Market-Oriented Cropping Schemes for Vegetable Crops	HORTI CA
Atinyao, M.B.	<ul style="list-style-type: none"> • Correlation Between Entrance Exam Rating Weighted High School Average and Academic Performance of BSA II year students. • Nutritional Evaluation of Indigenous Feeds 	CA
Balaoing, J.E.	Organic Farming Studies in Intensively Cultivated Areas	CA
Battad, C. S. and Alvaro, M.	Isolation and Antibiotic Sensitivity Testing of Pathogenic Streptococci of Swine	IHFSA CVM
Bela-o, L., Cotiw-an, L., Lacamento, E., and Mayos, N.	Ang Pagtuturo ng Filipino sa Dibisyon ng Mountain Province	CAS
Biology Teachers	Research on Tissue Culture, Human Genetics, Ethnobotanical Studies in the Cordillera, Biological Microtechniques	CAS
Coiting, L.M.	Biological Control of Phytophagous Mites and Aphids in Selected Crops in the Cordillera	HORTI CA
Coiting, L.M. and Ligat B.S.	Compendium on Insect Pests and Diseases	CA
Espada, R.C. Jr.	A comparative evaluation of selected Leveling Methods in Forest Surveys	CF
Fernandez, P.J.	Level of Advocacy of the Graduate School MVGO	CTE
Filipino Teachers	<ul style="list-style-type: none"> • Ang Pagtuturo ng Wikang Filipino: Isang Sarbey • Mga Salik na Nakaaapekto sa Kasanayang Pakikinig ng mga Mag-aaral sa Unang Taon ng BSU • Ang Pagtuturo ng Filipino Sa Dibisyon ng Benguet 	CAS
Gayao, B.T., Sim, J.M., Meldoz, D.T., Botangen, E.T.	Sweetpotato Research and Development Programs	NPRCRTC CA
Gonzales, I.C., Simongo, D.K., Botangen, E.T., Duldulao, B.S.	Taro Research and Development Program	NPRCRTC CA
Gonzales, I.C., Simongo, D.K., Perez, J.C., Botangen, E.T., Balog-as, F.S.	Varietal Improvement of Sweetpotato in the Philippine Highlands	NPRCRTC CA
Kiswa, C.G., Backian, G.S., Dalang, P.A.	Rapid Multiplication of Disease-free Planting Materials of Sweetpotato	NPRCRTC CA

Researcher (s)	Project Title	Unit/s
Lacamento, E. and Cotw-an, L.	Listening Difficulties Among the Freshmen Students of the CAS, BSU	CAS
Lacamento, E. and Cotw-an, L.	Verbal Analysis of the English Teachers of the Freshmen Students of the CAS, BSU	CAS
Ligat, J.S. and Bawang, F. T.	Chayote Production, Processing and Marketing Development Project	HORTI CA
Ligat, B. S. and Colting, L.M.	R and D on Leafminers on Vegetables	CA
Luis, J.S.	Cordillera Indigenous Mushroom and Truffle	CA
Lubrica, P.A. Cawat, A.C. and Montemayor, J.	Comparative Study on the Performance of CTE graduates in the Licensure Examination for Teachers	CTE
Lubrica, P.A., Luma-ang, C.P., Laruan, M.L., Celino, S.M., Bolinto, H.K. and Yango, D.M.	Factors Affecting the Performance of Faculty	CTE
Luma-ang, C.P., et al.	Analysis of Teacher-Made Tests	CTE
Macanes, V. L.	Sericulture Research and Development in Benguet	CA
Maddul, S. B.	Integration/Evaluation of Different Hybrid and Native Animals in the Highlands for Agroforestry	IHFSA CA
Maddul, S.B., et al.	Integration of Livestock and Poultry Production in Agroforestry Systems	CA
MPS Faculty	Analysis of BSU Faculty Evaluation of Students for SY 2000-2001	CAS
MPS Faculty	Factor Analysis of College Student's Performance in Mathematics and Sciences	CAS
Oryan, S.	Relationships Between University Entrance Examination to BSAS Statistics Grades	CAS
Peralta, M.	Relationship Between University Entrance Examination to BSIT IT 14 Grades	CAS
Salda, V.B.	<ul style="list-style-type: none"> • Processing and Product Development of Selected Highland Vegetables • Postharvest Handling and Product Development of Chayote 	CA NPRCRTC
Sito, L.R.	Career Preference of CTE Freshman Students	CTE
Tad-awan, B. A.	<ul style="list-style-type: none"> • Germplasm Collection and Characterization of Traditional Rice Varieties in CAR • Evaluation of Open-pollinated Seeds of Sweetpotato from Local Varieties 	CA IHFSA
Toledo, P. E.	Carrot Integrated R and D	CA HORTI
Wakat, J. A.	Biophysical Characterization of Species in an Agroforestry Integrated Farm	CA IHFSA

Table 15b. List of on-going special projects

Researcher	Program/Project/Study	Fund Source	Units
Alejandro, V.D.	Development of Quality Planting Materials of Chrysanthemum Through Tissue Culture	DA-BAR	HORT/CA
Avila, J.K. and Estolas, W.R.	Barangay Integrated Development Approach for Nutrition Improvement (BIDANI) of the Rural Poor	BIDANI	CHET
Badol, E.O., et al.	<ul style="list-style-type: none"> • Development and Processing Potato Varieties in the Philippines • Development of Processing and Table Potatoes 	BSU/DA-BAR	NPRCRTC/CA
Balaoing, J. E. Fagyan, A. Laurean, C. P. Mamari, E. K. Marquez, M. M. and Pandosen, M.	Soil Fertility Evaluation of Agricultural Soils of Kapangan, Benguet	PIUC, BSU	CA
Cadatal, M.D.	Development of Rice Cool Tolerant Varieties	PhilRice	CA
Cadatal, M.D.	<ul style="list-style-type: none"> • NCT for Cool Elevated Areas • Development of Rice Varieties for Cool Elevated Areas • RVI for Rice • Rice Blast Evaluation 	PhilRice	CA
Cardona, E.V.	<ul style="list-style-type: none"> • IPM on Selected Vegetables • NPV for Cutworm Control • Control of Leafminer by the Use of CARTAP • Control of DBM by the use of match 	BSU DA-BAR Lead Corp Syngenta Corp	CA
Colting, L.M., Ligat B.S. and Tanyag, R.C.	Mass Rearing of Predatory Mites	BSU, DA-BAR, LGU La Trinidad and LGU Benguet	CA
CVM Faculty	Embryo Transfer in Cattle	DA-Reg I	CVM
Diego, R.C. and Amatorio, M.Q.	Development of a Rabies Control Program for La Trinidad, Benguet	World Society for the Protection of Animals	CVM
Gayao, B.T., et al.	Sweetpotato Snacks Food Processing Enterprise Development in Northern Luzon	UPWARD	NPRCRTC CA
Gonzales, F. R.	Postharvest Technology Program	DA-BAR, BSU	CA
Grande, W.F.	Towards Inland Aquatic Propagation in Asin, Tuba (TILAPIA)	BFAR-CAR, PCARRD, BENECO	ODE
Kudan, S. L.	Varietal Trial on Tomato, Red Cabbage, Green Cabbage and Lettuce	Allied Botanical Corp.	CA

Researcher	Program/Project/Study	Fund Source	Units
Ladilad, A. G.	<ul style="list-style-type: none"> • Characterization and Performance Evaluation of New Anthurium Accessions Developed From In-vitro • Collection and Varietal Evaluation of New High Yielding Varieties of Roses Under Benguet Condition • Survey on the Status of Cutflower Cooperatives and Associations: Their Assets, Needs and Capabilities 	BSU, DA-CAR	CA
Lando, L. D.	<ul style="list-style-type: none"> • Incidence, Pathogenicity and Management of <i>Xanthomonas Campestris</i> pv. <i>Diffenbachiae</i> Causing Blight of Anthurium in Benguet. • Survey, Identification and Mapping of Soilborne Plant Pathogens in Mt. Province • Vegetable Diseases: A Compendium 	DA-CHARMP	CA
Macanes, V. L.	Ten-Year Coffee Arabica Coffee Rehabilitation and Development	BSU, DA-CAR HVCC	CA IHFS
Maddul, S.B. et al.	Agricultural and Livestock Wastes Management and Utilization	DA-BAR	CA
Marquez, M.M.	Agronomic Effectiveness of Multi NPK on the Yield Response of Potato	Kital Co. Inc.	CA
Merestela, T. M. et al.	Cordillera Highland Integrated Water Resources Management Project (CHINWAREM)	PCAMRD	CA
Mula, R. P.	Urban Agriculture Women in Lahar-Laden Agriculture	Univ. of Georgia, UPWARD	CA
Nagpala, A. L.	<ul style="list-style-type: none"> • Trichoderma as Biocontrol Agent of Clubroot Diseases • Evaluation of Trichoderma Isolates as Biocontrol Agent against Fusarium wilt and Root rot of Garden Pea (<i>Pisum sativum</i> L.) 	PCARRD DA-BAR	CA
Padua, D. P., et al.	Strawberry Varietal Development Program.	BSU Builders Rural Bank Inc.	CA
Padua, D. P.	Survey of Local Strawberry Farms	PARRFI	CA
Villanueva, L.M. Nagpala, A.L., Masangkay, T.D. and Pedroche, N.B.	Integrated Disease Management Program of Chrysanthemum White Rust	DA-BAR	HORT/CA
Villanueva, L.V. and, Luis, J.S.	R & D Cabbage Research	DA-BAR	CA/ HORT



Tissue culture laboratory



Tissue cultured chrysanthemum



Dr. Lita Colting installed a yellow sticky trap prepared by JICA-CDA to demonstrate the height that leafminer adults can reach.



Potato seed production research of the Northern Philippines Rootcrops Research and Training Center



A rose farmer at Bahong using a portable microscope to enable him to see the mites feeding on the leaves and

EXTENSION SERVICES

Completed Extension Programs/Activities. The extension programs and activities of the University disseminated information/technologies through trainings, seminars, workshops and technical assistance to its clients. At least 18 completed extension activities was completed for the year (Table 16).

Table 16. Completed extension programs/projects/activities in 2001

Program/Project/Activity	Date	Involved Unit/Agency	Participants Beneficiaries
Adopted Buguias National High School and Buguias Central School	March, 2001	CTE	Buguias National High School and Buguias Central School
Bamboo Saplings Planting	September 8, 2001	CTE	La Trinidad, Benguet
Calla Lily and Shasta Daisy Production and Postharvest Handling	Jan. 24-26, 2001	DA-CHARM-ODE	35 farmers, Natubleng, Buguias, Benguet
Camamon and Mums Production	July 24-25, 2001	DA-CHARM-ODE	35 farmers, Tuba, Benguet
Camamon and Sweet Williams production	Oct. 18-19, 2001	DA-CHARM-ODE	25 farmers, Madaymen, Kibungan, Benguet
Computer literacy	2001	CAS	Teacher Trainees, Ampusungan, Madaymen, Kibungan
Farmers' Field School on integrated Crops Management of Sweetpotato in Aringay, La Union	Oct. 2000 to May 2001	UPWARD-NPRCRTC, BSU	Aringay Sweetpotato farmers
Midyear School Review	October 2001	CTE	Kapangan Central National High School
Orientation on Farm Guidance Activities	Sept. 19-20, 2001	BSU, CDA-JICA, ATI	25 farmers, ATI, BSU
Pre-implementation Workshop of NH Foundation Supported Project: The Contribution of SP Production, Processing and Consumption to Household Income and Nutrition.	April 3-5, 2001	UPWARD-NPRCRTC	NPRCRTC Technical Staff
Seedling Dispersal	December 2001	CF	Walk-in clients- 8,500 assorted seedlings

Program/Project/Activity	Date	Involved Unit/Agency	Participants Beneficiaries
Seminar-Workshop on Rules and Procedures for Legislative Officials	November 26-29, 2001 at Benguet General Hospital Training Hall, La Trinidad, Benguet	IPA	Sangguniang Bayan members of the different towns of Benguet
Seminar-Workshops on Campus Journalism	July 27-28, 2001 Sept. 15-16, 2002	College of Teacher Education	Students of Itogon and Kapangan,
Training on Clinical Skills	Jan. – Dec. 2001	College of Nursing	Midwifery students of Pines City Colleges
Trainings on Sweet potato processing	June to Dec. 2001	NPRCRTC-LGU	Households and School Children in Tublay, and some barangays of Baguio City

On-going Extension Programs/Projects/Activities. The University maintained its on-going regular activities by using different strategies in disseminating information. Some of these are shown in Table 17. The information disseminated were mostly updates on agricultural technologies, entrepreneurship, health and nutrition, including health services and sports. The clients include farmers/agncultural technicians, teachers, students and walk-in clients. In collaboration with other agencies concerned, some of the faculty members and technical staff of the University were tapped as consultants or resource persons.



Mr. Sikyun Kim, KOICA volunteer demonstrates harvesting of leafy type lettuce with Dr. Rosana Mula, Director of Extension Services



PTAP on Passion fruit production using Knippin trellis

Table 17. On-going extension activities in 2001

Program/Project Activity	Involved Unit/Agency	Participants/Beneficiaries
Barangay Integrated Development Approach for Nutrition Improvement	CHET	Nutrition workers
BSU Medicinal Garden	CAS	Demo – garden
BSU on The Air – Information Dissemination on Agriculture and Related Fields-Health and Environment	BSU-DZWT-DA	CAR, Regions I, II, and III
BSU sa Barangay	BSU,DA-LGU	Farmers /Technicians
BSU-PLASTRO Drip-Irrigation System	ODE-BSU	Demo screen house Vegetable farmers
Clean-up Drive and Tree Planting, Compound and Balili River	University wide	University faculty, support staff and students
Community-Based Home Enterprise Technology Training	CHET	Entrepreneurs
Consultation, Diagnosis, and Treatment of Minor Ailments	Health Services	Walk-in patients
CVM Veterinary Hospital	CVM	
Fitness program: Home Games (University Wide) Away Games, CARE Friendship Games-local Provincial Athletic Meet HESSA, Regional	IPES	BSU employees, and CAR
Laboratory Soil Analysis	CA,NPRCRTC	Walk-in clients
Microbial Analysis of Water	CAS, CVM	BSU, walk in clients
Nutri-Clinic	CHET	Students, BSU employees
Participatory Technology Adoption Program-Piloting in Farmers' Field	BSU –ODE	Farmers/Technicians
Reproductive Health Care Center (88 served)	CN	Walk-in clients
Resource Persons/Consultants in Various Fields	BSU Faculty and Technical staff	As invited/consulted
Skills Application Training Program	CHET	Entrepreneurs
Technology Packaging and Publication of IEC Materials	BSU	Farmers/Technicians

Awards

Regional and National Awards were given to several researchers for their outstanding accomplishments.

Table 18. Awards to several researchers

Awardee(s)	Award	Awarding Organization
Lita M. Colting Jocelyn C. Perez Rogelio D. Colting Bonnie S. Ligat Tess K. Mangili	1 st Place Development Category (National) "Integrated Management of Leafminer (<i>Liriomyza huidobrensis</i>) on Potato	Philippine Council for Agricultural Resources Research and Development (PCARRD)
Researchers of the Northern Philippine Rootcrops Research and Training Center	GAWAD PAG-ASA (National) For team work in the implementation of the Sweetpotato Home/School Gardening and Processing Entrepreneurship Development Project	Civil Service Commission (CSC)
Lorenza G. Lirio	1 st Prize: Scientific Paper (Regional) "Antibacterial Properties of <i>Piper Betle</i> Linn (Gawed)"	Highland Agriculture and Resources Research and Development Consortium (HARRDEC)
Jocelyn C. Perez and Grace S. Backlan	2 nd Prize: Poster Presentation (Regional) "Use of Botanical Extracts on the Control of Sweetpotato Weevil"	HARRDEC
Jocelyn C. Perez Ines C. Gonzales Hilda L. Quindara Wilma L. Marquez Jovita M. Sim Grace S. Backlan Fernando S. Balog-as Arthur T. Botangen Esther T. Botanger	3 rd Prize: Oral Presentation (Regional) "Farmers Field School in Sweetpotato Production in Aringay, La Union".	HARRDEC



Trophies received by some University Researchers



INTERNAL GOVERNANCE AND PRODUCTION

ADMINISTRATION

Integration of Buguias-Loo Polytechnic College. By virtue of Board of Regents (BOR) Resolution No. 988, s. 2000, the Buguias-Loo Polytechnic College (BLPC) was formally integrated to the University on 24 May 2001. It is now an external campus known as BSU-Buguias Campus and is located about 96 kilometers north of the main campus. Dr. Basito S. Cotiw-an, a faculty member of the College of Veterinary Medicine, Main Campus, was designated as Campus Dean.



Pres. Consolacion
with Dean Cotiw-an
at BSU-Buguias
Campus

The campus has two departments, the secondary and the college department. There are 46 faculty members and 23 non-teaching staff. The academic programs and enrolment for 2001 are shown in Table 19:

Table 19. Program and enrollees

Program	Enrollees
BS in Agricultural Education	12
BS in Industrial Education	32
BS in Secondary Education	104
Secondary Education	538

The major accomplishments of the campus since its integration are as follows :

❖ Curricular Development

- Offering of basic computer lessons to all college students
- Enrichment of the BS in Agricultural Education by adding Rural Electricity as one of the subjects
- Revision of the BS in Industrial Education, major in THE to BSE major in Home Economics and Social Studies
- Revision of the BS in Industrial Education, major in Hard Technology to Industrial Arts
- Implementation of the New Secondary Education Curriculum (NSEC) by adding Vocational Agriculture and Trade Drawing subjects

❖ Faculty and Staff Development

- Shown in Table 20 are the trainings and seminars attended by BSU-Buguias Campus faculty and staff,
- A faculty member completed the doctoral degree under the CHED-FARE Scholarship Program; and a faculty member is attending Saturday classes to finish doctoral degree

Table 20. Trainings and seminars attended by BSU-Buguias Campus Faculty and Staff

Training and Seminar	Date	Place
○ BSU-BSEA in Service Seminar	22-23 October 2001	BSU-Buguias Campus
○ In-service Training for Faculty and Staff by DOLE, Phil Health, GSIS, COA and BSU-Main Campus R and E Office	22-23 October 2001	BSU-Buguias Campus
○ Values Orientation Workshop	27-29 November 2001	BSU-Buguias Campus
○ Seminar Workshop on Revitalizing English Language Teaching through Content-based Instruction	03-04 December 2001	Baguio City

❖ Student Development

- Revival of Student organizations
- Participation of student in the following developmental activities:
 - National Science, Technology and Environment Summer Camp
 - District Leadership Training and Science Journalism
 - Tree Planting
 - Division Science Fair and Sci-DA-Math
 - Provincial Athletic Meet and CARAA
 - CAR First STEP Regional Work Conference
 - Journalism Seminar Workshop

❖ Physical and Income Generating Project (IGP) Development

- Restoration of the irrigation dam from the Alacan Creek
- Cultivation of 6,000 sq m. vegetable area for IGP with a capital of Php 48,000
- Acquired 3 horses (Php 10,000 per head) and 2 cows (Php 30,000) from the BSU main campus
- Operation of the School Canteen as an added IGP with an initial capital of Php20,000.00; the management is done by the Home Economics teachers
- Production of cut-flowers (statice) with a capital of Php 15,000.00
- Two blocks of fishponds were renovated for tilapia production with 1,500 fingerlings as brood stocks
- Requested for the release of Lam-ayan from the municipal government of Buguias and other agencies and granted as a research center for mushroom and potato seed production
- Installation of new pipes in the proposed greenhouse for anthurium and other high value crops
- Purchase of polyethylene hose for the nursery/ IGP, food trade appliances and equipment/materials for the farm garden
- Construction of three cottages from recycled materials from the BSU Main Campus



Planning workshop



The horses from the main campus



Potato IGP farm



Potato IGP during harvesting

Institutional Review and Planning Workshop. The 2001 Institutional Review and Planning Workshop was conducted at the BSU Agro-forestry Project, on 20-21 November 2001.

The planning workshop was participated by the members of the University Administrative Council. The accomplishment of the different sectors were presented by the division heads, deans, directors of the administrative, academic, research, extension, planning and development. The plans for 2002 were drawn.



Participants to the Institutional Planning and Workshop

HUMAN RESOURCE DEVELOPMENT

Personnel Profile. There are 270 regular and 39 contractual/part time faculty members; and 343 regular and contractual support/ non-teaching staff. There were 67 contractual project personnel whose appointments are not submitted to the Civil Service Commission (CSC). They are the personnel of special projects whose salaries were funded by local/foreign donors and income generating projects (IGP).

Personnel Development. The faculty members and support/ non-teaching staff who went on leave to pursue advanced degrees are shown in Tables 21 and 22. Upgrading of the staff competencies is a regular program of the administration. Qualified and deserving personnel are sent to international and local trainings, seminars, conferences and workshops.

Table 21. Personnel who pursued advanced degrees/training

Advanced degree/training	No.
PhD/EdD	6
MS/MA	3
BS	1
Non-degree	1
Board examination review	2
Sabbatical leave	3



Table 22. Non-teaching staff who completed advanced degrees

Name	Degree
Victor, Priscilla P.	EdD Educational Management
Wales, Severino, Jr. B.	MS Rural Development

Personnel Incentive and Award. As per Civil Service Commission (CSC) incentive policy and rule, outstanding employee award were given to deserving personnel (Table 23). The awarding ceremony shall be done during the celebration of the 15th University Charter and Institutional Day on 10-12 January 2002. Other benefits/incentive due to the personnel are presented in Table 24.

Table 23. Outstanding personnel

Name	Position	Award
Turing, Charlie M.	Clerk III	Outstanding Employee
Baludda, Mauro P.	Reproduction Machine Operator	Outstanding Employee
Blag, Adolfo N.	Labor Foreman	Outstanding Employee
Villanueva, Luciana M.	Professor VI	Outstanding Researcher
Gayao, Betty T.	Associate Professor IV	Outstanding Researcher

Table 24. Personnel benefits/incentive

Benefit/Incentive	No. of Recipients
Step increment (pursuant to joint CSC and DBM Circular no. 1, s. 1990)	178
Loyalty award	74
Retirement and terminal pay	11
Monetization of leave credits	309
Proportional vacation pay	172

LINKAGES

Inviting and formalizing linkages with local and foreign entities is a continuing endeavor of the University in order to gain new knowledge and experiences and strengthen its academic, research, extension and production programs. The list of linkages formalized through memorandum of agreement/understanding (continuing and new) is shown in Table 25. From these linkages, support in terms of cash funds and in kind, to conduct research, acquire equipment, improve/ build new infrastructure and train/ upgrade/ develop human resource were obtained.



CHINWAREM forging of memorandum of agreement

Table 25. Continuing and new linkages

Linkage	Project/Nature of Linkages
Agricultural Training Institute-National Training Center (ATI-NTC)	Partnership on human resource capability building and extension endeavor
Bureau of Plant Industry-Baguió National Crops Research and Development Center (BPI-BNCRDC); Department of Agriculture-Bureau of Agricultural Research (DA-BAR)	Integrated Management of Potato Leafminer
Bureau of Postharvest Research and Development (BPRE)	Acceptability of highland potato fries
Centro International de Papa (CIP) – UPWARD	Human resource development and research collaboration on potato
Department of Agriculture-Cordillera Highland Agriculture Resource Management Project (DA-CHARMP)	Project Benefit Monitoring and Evaluation (PBME) Project
Department of Science and Technology Science Education Institute	<ul style="list-style-type: none"> • DOST-ESI: Human resource development • PCAMRD: Cordillera Highland Integrated Water Resources Management (CHINWAREM) Project
Japanese Ministry of Education Scholarship Program (MONBUKAGAKUSHO)	Human resource development
La Tondeña Foundation, Inc.	Undergraduate Scholarship
Land Bank of the Philippines (LBP) – La Trinidad	Technology Promotion Center
Leyte State University (LSU)	IPM on Sweetpotato and Potato R and D
Mt. Province Broadcasting Corporation, DZWT	BSU on the air
PhilRice	Rice Key Commodity System (KCS)
Sangju National University	BSU-SNU Functional Intensive English Training Program (FIETP)
UP Los Baños	<ul style="list-style-type: none"> • Barangay Integrated Development Approach for Nutrition Improvement (BIDANI) • Comprehensive Irrigation Research and Development Umbrella Program (CIRDUP) • Crop Improvement of Highland Vegetable Crops
Zonta Club	Undergraduate Scholarship

INFRASTRUCTURE, EQUIPMENT AND FACILITIES

Infrastructure. The status of infrastructure projects that were implemented in 2001 is presented in Table 26.

Table 26. Infrastructure projects

Project	Budget (Php)	Status (%)	Remarks
College of Arts and Sciences – Phase II	3,400,000	29.47	Additional building in CAS complex; construction is by phase; to be completed in August 2002
Gladiola Center – Phase V	4,000,000	33.00	Construction is by Phase; Phase V is to be completed in June 2002
College of Agriculture	3,500,000	28.00	Additional building in CA Complex; to be completed in April 2002
Perimeter Fencing	600,000	77.00	To be completed in January 2002
Library Building Renovation	500,000	In-progress	To be completed in March 2002
NPRCRTC Building Renovation	700,000	In-progress	To be completed in April 2002



College of Agriculture



Gladiola Center



Library building

Equipment. Below are some of the equipment acquired through the income generated by the University and special projects such as PIUC, DA-BAR, PCAMRD, PCARRD, DOST and PhilRice.

CHET newly acquired Equipment



Left: Digital hand-held thermometer
Right: Digital hand-held PH meter



Moulinex Food Processor



Convection Dehydrator/ Dryer



Infrared Moisture Meter



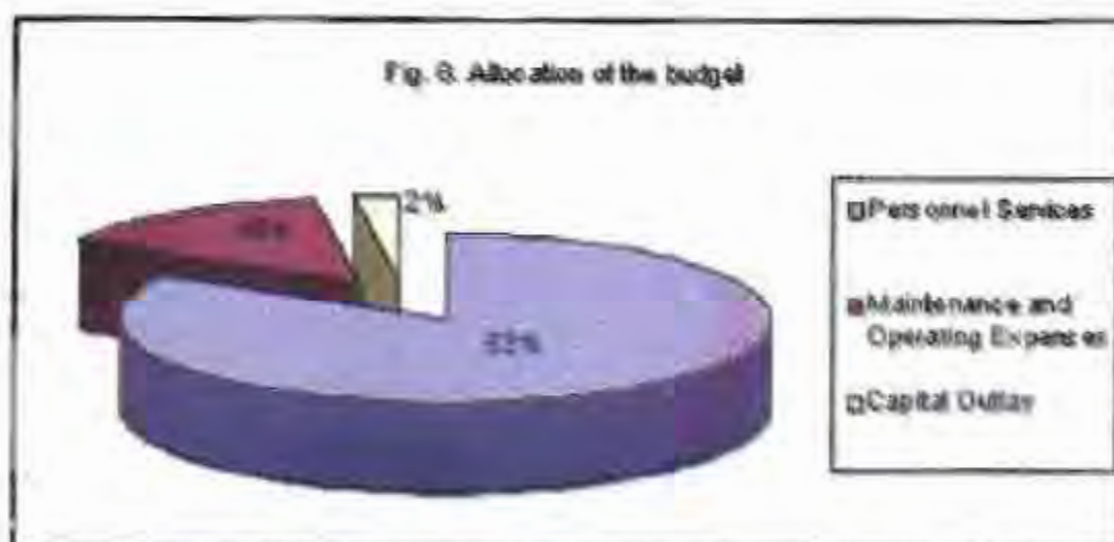
Spectrophotometer



Binocular Microscope

BUDGET

Internal Budget. The sources of internal budget of the University are from the General Appropriation Act (GAA) and income generating projects (IGP). The budget in 2001 from the GAA was Php 155,052,000 and the gross income generated from IGP was Php 19,329,336. The allocation of the GAA budget is presented in Fig. 8. The maintenance and operation and capital outlay (equipment and infrastructure) budget was augmented by the IGP and special projects of the research and extension sectors.



External Budget. The external budget came from the funds sourced out for special projects of the research and extension sectors. These were sourced out from local and foreign donor agencies. The estimated budget from all budget sources is presented in Table 27. As the Center of Excellence in Agriculture Education, the University received Php 1.5 M from the Commission on Higher Education (CHED) in December 2001.

Table 27. Estimated budget for 2001

Source	Amount (Php)	%
General Appropriation Act	155,052,000	84.29
Income Generating Project	19,329,336	10.51
Local donor agencies	8,514,645	4.63
Foreign donor agencies	1,059,000	.54
Total	183,954,981	100

Production

The income generating projects (IGP) is coordinated by the Office of the University Business Program. The office has 79 full time and part time staff. The income generated from the IGPs (10.69% of the total University budget) is derived from the following projects :

- ❖ Canteen
- ❖ Guest house
- ❖ Food Processing Center
- ❖ Bakery
- ❖ CHET Showcase (garment parlor projects)
- ❖ Souvenir and Gift Shop
- ❖ Veterinary Clinic
- ❖ Poultry Production
- ❖ Swine Production
- ❖ Marketing Center
- ❖ Strawberry Production
- ❖ Multi-vegetable Production
- ❖ Pomology Project
- ❖ Agro-forestry Project
- ❖ Floriculture Project
- ❖ Land use and Rentals
- ❖ Facilities use Rental
- ❖ Tuition fees



CHET Novelty Souvenir Shop located at the Processing Center





BSU bakery staff at work

APPENDIX

Appendix 1. Honor Graduates

Name	Honors	Degree
Albis, Aurora D.	<i>cum laude</i>	B of Elementary Education
Ayban, Ursula D.	<i>cum laude</i>	BS in Agricultural Education
Barroso, Lome S.	<i>cum laude</i>	BS in Agriculture
Belino, Elvena P.	<i>cum laude</i>	BS in Home Economics
Besic, Elvira D.	<i>cum laude</i>	BS in Forestry
Busacay, Benigno Jr. D.	<i>cum laude</i>	B of Elementary Education
Calubandi, Pamela C.	<i>cum laude</i>	BS in Nutrition and Dietetics
Cawat, Angel Jr. M.	<i>cum laude</i>	B of Elementary Education
Consolacion, Cheryl C.	<i>magna cum laude</i>	BS Agriculture
Dobinto, Edralyn M.	<i>cum laude</i>	B of Elementary Education
Duque, Verna V.	<i>cum laude</i>	BS in Environmental Science
Guadna, Dolores B.	<i>cum laude</i>	B of Elementary Education
Ibarra, Marly A.	<i>cum laude</i>	B of Elementary Education
Kiniway, Glynnis S.	<i>cum laude</i>	B of Secondary Education
Lwanen, Avegale Charisma A.	<i>cum laude</i>	BS in Environmental Science
Logue, Celestina T.	<i>cum laude</i>	B of Elementary Education
Macario, Elriano F.	<i>cum laude</i>	BS in Agriculture
Macli-ing, Elizabeth G.	<i>cum laude</i>	BS in Agriculture
Malecdan, April L.	<i>cum laude</i>	B of Elementary Education
Matias, Grace W.	<i>cum laude</i>	BS in Agriculture
Mendoza, Estelito B.	<i>cum laude</i>	B of Secondary Education
Ogues, Felicitas B.	<i>cum laude</i>	B of Elementary Education
Sagalla, Esther Josephine D.	<i>magna cum laude</i>	BS in Agriculture
Shagol, Charlotte C.	<i>magna cum laude</i>	BS in Agriculture
Songuitan, Madelin A.	<i>cum laude</i>	BS in Agriculture
Sotero, Judith D.	<i>cum laude</i>	B of Elementary Education
Subraen, Janice B.	<i>cum laude</i>	B of Secondary Education

Appendix 2 Student Awards

Awardee	Award
Baliang, Catherine (CF)	2 nd Place, Regional Search for Statistics Wizard
Balongyad, Alicia Calasan, Martes Kiwaen, Leah	1 st Place, Tagisan ng Talino, Linggo ng Wika (Regional)
Bayawa, Hesedel (CTE)	4 th Place, News Writing (English), Schools Press Conference (Regional)
Beddec, Nancy Tacloy, Johnabel (CHET)	4 th Place, FHP Regional Convention
Belino, Elvena P. (CHET) Fongayao, Joy K. (CVM)	Ten Outstanding Students of the Cordillera Administrative Region (Education), CHED-CAR
BSU-Highland Cowboys (CVM)	1 st and 2 nd runner-up, 2 nd Rodeo Competition (National)
Caaya, Ronald (CTE)	1 st Place, Bantam Weight Division, First Bulacan Taekwondo Invitational Game
CVM students	4 th place, National Veterinary Quiz
Duque, Verna V. (CAS)	Finalist, Ten Outstanding Students of the Philippines (National)
Elementary Laboratory School (CTE)	<ul style="list-style-type: none"> • 1st Place, Gymnastics (Boys), Benguet Provincial Meet • 1st Place, Gymnastics (Girls), Benguet Provincial Meet
Foy-os, Leah (CN)	3 rd Place, Regional Talumpati Competition
Galino, Erwin	1 st Place, Musical Instrument, FFP-CC Regional Convention
Galino, Sam B. (CTE)	Ten Outstanding Boy Scouts of the Philippines
Lopez, Ronald C. (CA)	Finalist, Ten Outstanding Students of the Philippines (National)
Martes, Christabel (CTE)	<ul style="list-style-type: none"> • 1st Place, 10K, 2001 Avon National Championship • 1st Place, 2001 Milo Marathon • 1st Place, Marathon, 2001 ASEAN Games
Nabusan, Edlyn Mae W.	Exchange Student- Philippine delegation to the ASEAN-ROK Future Oriented Youth Exchange Program 2001 at Seoul, Korea on Aug. 16-27, 2001
Pacio, Evelyn (CTE)	<ul style="list-style-type: none"> • 1st Place, Nutrition Month Celebration (Regional) • 2nd Place, News Writing (Filipino), Schools Press Conference (Regional)
Raymundo, Cristy (CA)	Undergraduate Thesis Assistance from Bureau of Soils and Water Management
Secondary Laboratory School (CTE)	<ul style="list-style-type: none"> • 1st Runner Up, Benguet Provincial Meet • 3rd Place, AMA Computer Inter-High School Competition

Appendix 3. The Administrative Council

CONSOLACION, CIPRIANO C., Chairman and University President
BAWANG, FRANCO T., Vice Chairman and University Executive Vice President
COLTING, ROGELIO D., Member and Vice President for Research and Extension; concurrent Director of Research effective May 31, 2001
BULIYAT, MARCOS A., Member and Vice President for Academic Affairs
MERESTELA, TESSIE M., Member and Vice President for Planning and Development
*BENGWAYAN, GRACE T., University and Board Secretary
ALAGAO, LUDIVINA O., Member and Chief, Budgeting Office
ALIPIT, PERCIVAL B., Member and Director, Horticulture Research and Training Institute
ANGIWAN, MATIAS C. Jr., Member and Legal Officer
ANTONIO, SAMSON S., Member and Chief, Motor Pool
*ARYO, ANALYN, Editor-in Chief, Mountain Collegian
AVILA, JANE K., Member and Dean, College of Home Economics and Technology
BAGANO, JULIET P., Member and Coordinator, Open University
BALANGEN, MELECIO A., until July 10, 2001
TACLOY, JOHN, effective Sept. 11, 2001, Member and Dean, College of Forestry
*BANIWAS, TRANQUILINO B., President, BSU Non-teaching Association
BOLINTO, HENRY K., Member and Chair, Secondary Education Training Department
BOLINTO, VIOLITA B., Member and Chief, Internal Audit Services
*BUGTONG, ALLEN C., until March 2001
*BAWANG, EDERSON G., effective August 2001, President, Supreme Student Council
*CADATAL, MACARIO D., President, BSU Faculty Club
CAWAON, FLORENCE C., Member and Dean College of Nursing
CELINO, SONIA M., Member and Chair, Elementary Education Training Department
CHUA, EDNA A., Member and Dean, College of Arts and Sciences
CLARAVALL, NORA J., Member and Director, University Library Services
COILAN, NICANDRA J., Member and Chief, Supply Management Office
DANGWA, OLGA C., Member and Special Assistant for Community Affairs
DIEGO, RUTH C., Member and Dean, College of Veterinary Medicine
DIMAS, CAROLYN B., until June 6, 2001, Member and Director of Admissions
DUGAT, VIRGINIA R., University Registrar
ESTEBAN, EMILIA M., Member and Chief, Human Resource Management Office
FORMARAN, VILLA L., Member and Chief, Medical Services

GANGA, ZENAIDA N. until May 31, 2001
TANDANG, LEONCIA L., effective June 2001, Member and Director, Highland Agriculture and Resource Research and Development Consortium and Director, Research Services until May 2001
GARIN, DOMINADOR S., Member and Dean, Graduate School
JACALAN, GILDA B., Member and Chief, Publications Office
LACONSAY, EDUARDO P., Member and Director, Institute of Physical Education and Sports
LAPICTO, ELADIO O., Member and Director, General Services
LEE, GLORIA R., until October 2001
COMILA, FELIPE S., effective November 2001, Member and Director, Institute of Public Administration
LIMPIN, OSCAR B., Member and Chief, Cashiering Office
LIMPIN, VICTORIA L., Member and Chief, Records Management Office
LUBRICA, PERCYVERANDA A., Member and Dean, College of Teacher Education
MACASIEB, GENARO W., Jr., Member and Dean, College of Engineering and Applied Technology
MACASIEB, ZYLA C., Member and Director, Regional Information and Technology Center
MADDUL, SONWRIGHT B., Member and Director, Institute of Highland Farming Systems and Agroforestry
*MAMARIL, DANIEL V. until October, 2001
*IGLESIAS, JUANITO B. effective October 2001, ROTC Commandant
MINA, WILFREDO B., Member and Director of Student Affairs
MONROE, REMIGIO E., Jr., Member and Director, Presidential Committee on Culture and the Arts
MULA, ROSANA P., Member and Director, Extension Services
*NARAG, SHERELYN A., Resident Auditor, Commission on Audit
PADUA, DANILO P., Member and Dean, College of Agriculture
RAMOS, ESTRELLA A., Member and Head, General Administrative Services Division and Interim UBP Coordinator
RAPUSO, MARY JOY S., Member and Chief, Accounting Office
SALDA, VIOLETA B., Member and Director, Northern Philippines Root Crops Research and Training Center
TAGARINO, DARLYN D., Member and Director, Institute of Highland and Policy Studies and Socio-Economic Research and Development
TIPAYNO, ALFREDO C., Member and Chief, Land Reservation Officer and President, BSU Employees Association
VICTOR, PRISCILLA P., Member and Head, Financial Services Division

*Observer /no voting power



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