



BSU facilities to be improved

University President, Dr. Ben D. Ladilad, is prioritizing facility improvement in the University.

According to Dr. Estrelita Daclan, a University Supervising Administration Officer for Budget, as scheduled, preparations for major repairs of buildings and construction of urgently needed facilities are now underway and being handled by concerned sector.

GSO Architect Hortencio Patacsil claimed that these jobs will start to be implemented on the first semester of SY 2012-2013.

Improvement of University facilities includes the construction of pomology and floriculture greenhouses, animal science and floriculture laboratories, and the comfort rooms at the Secondary Laboratory School (SLS) under the College of Teacher Education.

The pomology greenhouse will be constructed right at the site where the Pomology Project is based (Balili), the floriculture

greenhouses will be at the Cabanao area now adjacent to the Commission on Higher Education (CHED) building, and the animal science lab will be set at the University Poultry Farm.

Listed for major repairs are the laboratories of Chemistry and Horticulture Departments.

"Sa lahat nang nangangailangan, SLS ang pinakakawawa dahil walang CR ang kanilang canteen," GSO Architect Patacsil said when asked why only SLS will have a new comfort room.//
Anabelle O. Tostos



New Zealand Ambassador in BSU. New Zealand Ambassador to the Philippines, His Excellency Reuben Levermore, was in the University on May 16, 2012 to explore possible areas of partnership between BSU and New Zealand Universities. Photo shows BSU VPs, Dr. Percyveranda A. Lubrica and Dr. Alfredo C. Tipayno, welcoming Ambassador Levermore. //Patsy A. Botiwey

BSU

Vision

A Premier State University in Southeast Asia

Mission

To develop people imbued with excellence and social consciousness who actively generate and promote environment-friendly technologies that improve the quality of life.

Goals

1. To provide quality education that produces well-rounded individuals;
2. To provide quality and responsive R and E services in sub-tropical agenda;
3. To strengthen and enhance institutional revenue-generating capability towards self-reliance;
4. To establish competent and effective services geared towards efficiency and economy;
5. To strengthen and expand harmonious and synergistic University-Community relationship; and
6. To inspire and boost the morale of the BSU constituents for greater performance.



Shamag, an Ibaloi term that means news, is the official publication of Benguet State University. It functions as the University's mouthpiece for its accomplishments and is likewise a communication tool among BSU constituents. It started as the MSAC Newsletter in the 1970s to meet one of the requirements of then, the Department of Education, for a college to be elevated into a university. Hence, Shamag came out as the University newsletter in 1996.

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Patsy A. Botiwey
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Asuncion L. Nagpala

CIRCULATION STAFF

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Alejandro D. Nono

EXECUTIVE CONSULTANT

Ben D. Ladilad

Articles, pictures, comments, suggestions, reactions, and letters to the Editor may be submitted to: the Editor/Associate Editor, Shamag, BSU-Public Affairs Office, La Trinidad, 2601 Benguet.

Contributions will be acknowledged but the editors reserve the right to determine articles to be published based on adherence to topic guideline, time, and space limitations. Anonymous contributions will not be considered.

Phone Numbers:

(6374) 422-2127, 422-2402 loc. 69

E-mails may be sent to:
bsu.shamag@gmail.com
gvjacalan@yahoo.com.ph
jstabangcura@gmail.com

Events

BSU celebrates 25th CAR Anniversary

"No educational institution was more critical in creating a cohesive image than the Trinidad Agricultural School that was established exclusively for highlanders. The school played a key role in shaping the thinking of thousands of young highlanders, men and women, and in giving birth to an Igorot intelligentsia that would come to form a vocal social and political highlander elite."

This quote illustrating BSU's role to the development of CAR is from the book, "The Making of the Igorots" by Gerard A. Finin.

This is the University's role up to the present and as CAR reaches its 25th Anniversary, BSU will join all regional Line Agencies, Local Government Units, schools, Government Bureaus and Departments, Non-Government Organizations, and civil society organizations in the celebration.

Spearheaded by the CAR-Regional Development Council, the celebration's theme is "CAR at 25: Looking back with pride, moving forward with hope."

Activities slated for the celebration include the Cordillera Unity Relay, which kicks-off at Mt. Data where the *sipat* was held. The *sipat* was a ritual performed on September 13, 1986 as an agreement to cease hostilities between rebel groups and the government.

For the relay, each province shall beat the gong to serve as the Unity Symbol. After the kick-off at Mt. Data, the gongs will be beaten in Bangued, Abra on June 4, here in La Trinidad, Benguet on June 11, in Lagawe, Ifugao on June 18, in Tabuk, Kalinga on June 25, in Luna, Apayao on July 2, and in Baguio City on July 15.

The objectives of the celebration are to instill in the people of the Cordilleras an enhanced awareness, deeper appreciation and unwavering commitment to the history and aspirations of CAR on its 25th year of existence and to propel unwavering commitment and support to the pursuit of Cordillera Autonomy.



Class 1956 of the then, Mountain Agricultural College, now BSU.

CA mentors receive awards from professional society

CA mentors, Dr. Asuncion L. Nagpala and Dr. Janet S. Luis, each received an award from the Philippine Phytopathological Society Inc. during the 43rd Pest Management Council of the Philippines, Inc. Anniversary and Annual Scientific Conference held on May 8-11, 2012 at the Mallberry Suites, Cagayan de Oro City, Misamis Oriental. The event was themed *PMCP Strategies towards Better Pest Management by 2022*.

Dr. Luis received the GO Ocfemia Outstanding Plant Pathologist Award in Research while Dr. Nagpala received the Ocfemia Outstanding Plant Pathologist Award in Instruction.

The PMCP is the umbrella organization of six member societies, namely: Crop Protection Association of the Philippines (CPAP); CropLife Philippines, Inc. (CropLife); Pest Control Association of the Philippines (PCAP); Philippine Association of Entomologists, Inc. (PAE); Philippine Phytopathological Society, Inc. (PPS); and the Weed Science Society of the Philippines, Inc. (WSSP). The respective members of each society are actively involved in the generation and promotion of various pest management technologies and strategies.

Dr. Luis' R&D engagement has been along mushroom production and commercialization.

CA mentors...page 6



Dr. Janet S. Luis and Dr. Asuncion L. Nagpala with their awards and colleagues at the 43rd PMCP Anniversary and Annual Scientific Conference held on May 8-11, 2012 at the Mallberry Suites, Cagayan de Oro City, Misamis Oriental.//Photo courtesy of Dr. Asuncion L. Nagpala

Farmers celebrate 3rd BSU organic market anniversary

Farmers of organic crops gathered on May 31, 2012 at the BSU R&E Complex, Chrysanthemum Hall to share their experiences and lessons learned in organically producing their crops during the celebration of the 3rd year of BSU's Organic Market.

Difficult Beginnings

Mr. Mario Canuto of Tuba, Mrs. Aniceta Sabog of Atok, and Mr. Johnny Bosque of Balili all agreed that their first year in employing organic agriculture practices was never easy.

Mr. Canuto spelled out four factors that he struggled with when he started going organic: the type of soil, neighboring conventional farms, clean water source, and the discouraging remarks of fellow farmers who do not believe in organic agriculture.

Mrs. Anacita Sabag of Atok who belongs to the 2nd batch of CPOA graduates revealed that her first year in organic agriculture was not profitable until she discovered that carrot is what she can grow best profitably.

Mr. Johnny Bosque agreed that even if it is difficult to start in organic farming, one can beat the odds with the four Ts, which he confided as Tiyaga, Talino, Tiis, at Tiwala sa Diyos!

A Social Responsibility

"Ammok nga safe jay gumatang ti mulak isu nga hanak nga agbain nga mangibaga nga siak ti nagimula," (I know that my products are safe so I will not be ashamed to admit that I produced them.) claimed Mrs. Sabag.

Mr. Canuto emphasized that the non-use of chemical pesticides is a contribution to consumers' health, the environment, and to the farmer's own family. Mr. Bosque took pride in articulating that his organic herbal pesticides are safe enough for him to drink himself to good health.

Aside from fulfilling social responsibility as producers of food, the organic farming advocates also agreed that ditching chemical pesticides helped them financially.

"Noong gumamit kami ng chemicals, tumaas nga ang ani, pero tumaas naman ang farm inputs," said Mr. Canuto.

Mrs. Sabag agreed that she often felt so embarrassed when other farmers would see her bringing only a bag of her produce to the market compared to the truckload of vegetables from her neighbor's farms.

"Magatang met gayam uray sangkabassit ti yield, nu

Farmers...page 4

BSU produces planting material for colored calla lilies

Colored calla lilies today are considered high value cut flowers because few farmers are growing them in their backyards. This situation renders the colored calla lilies to command a relatively high market price and demand.

With some promotional efforts for adoption, there is a great potential for this cutflower to bring additional income in farmers'coffer.

However, colored calla lilies differ with white callas in terms of growth habit. For colored calla

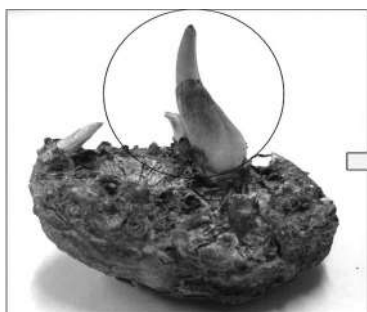
lilies, more appropriate care and management techniques are required for this venture to reach a profitable level.

Experts claim that appropriate management techniques should start with the production of quality planting materials for the crop. Hence, a research on "Growth performance of the in vitro propagated Colored Calla lily" was conducted by Milagros R. Dumaslan, Jemma Rose M. Kilakil, and Julia A. Solimen.

The research conducted in the BSU tissue culture laboratory and experiment fields used root tip culture for in vitro propagation of colored calla lily. This technique rapidly produced quality and true-to-type

planting materials for colored calla lilies. Among the techniques used are the process of extracting shoot tips from germinated bulbs and then growing them in sterile nutrient medium until they become rooted plantlets. The rooted plantlets are later acclimatized until they are able to survive under greenhouse condition to produce tubers. The tubers are the planting materials available for farmers.

During the 8th Philippine Association for Plant Tissue Culture and Biotechnology, Inc. (PAPTCB) Scientific Convention held on April 28, 2012 at Boracay Island, Malay, Aklan, the research presented as a poster placed 3rd among 5 finalists out of 33 entries.//JSabado-Tabangcura



Shoot tips of colored calla lily produced adventitious shoots. These were sub-cultured six times to prevent mutation.



Rooted plantlets of colored calla lily ready to be acclimatized under greenhouse condition.



Rooted plantlets in a growing media, acclimatized and ready for transfer under greenhouse condition.



The plantlets grown for three months in the greenhouse.



Tissue cultured calla lily and (inset) tubers used as planting materials ready for distribution to farmers.

Farmers...from page 3

isangpet ko ditoy ket pag-iinagawan da (Even if my yield is low, the demand is high as evidenced by those who come eagerly to buy.)", she said with a smile.

Celebrating a Partnership with BSU

Mrs. Sabag gave credit to the BSU Extension Office for the training activities that she was fortunate to have been invited and participated in. The knowledge she was shared with truly empowered her in terms she has yet to know how to measure.

An organic open forum followed the interaction. Earlier on the same day, BSU VP for Research and Extension, Dr. Luciana M. Villanueva, requested the 41 farmers who attended the meaningful activity to write down their suggestions and problems that can be appropriately addressed by the University.

To the delight of the attendees and other organic produce-lovers, a Php5.00 discount per item was extended as part of the celebration. Incidentally, the BSU organic market started in 2009 opening only on Wednesdays. At present, the costumers can come every day except Sunday to celebrate a daily healthy living through organically-produced veggies.

On May 25, members of the National Organic Agriculture Board (NOAB) led by Undersecretary Bernadette Romulo-Puyat did an ocular survey in the University.

This was after the
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HARRDEC sets the regional mood for Coffee FIESTA

Festival is an event, usually staged by a local community, which centers on and celebrates the locality's nature-/history-/culture-based beauty and some unique features. Indeed, it is a means of getting together to fellowship and have merriment; a way of preserving culture and tradition.

In the Region, the Panagbenga, Strawberry, and Adivay festivals are the largest annual celebrations with economic attributes to boost local economy through the tourism industry.

Fiestas are mainly for celebration; however, great opportunities can offspring from these festivities as they can serve in providing the groundwork for enterprises and commerce. Hence, the Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCAARRD) has envisioned the concept of the "Farms and Industry Encounters through the Science and Technology Agenda (FIESTA)" to be a celebration of Science and Technology's gains and triumphs.

Further, the FIESTA as a regional event, integrates market matching, product promotion, and stakeholder forum to push the commercialization of S&T-based products to the end users (PCARRD Monitor, July-September 2011 Issue). The project aims to improve the visibility and marketability of regional products, provide venue for matching the products with potential buyers, and expose the Consortium and PCARRD to important regional and national audiences.

As PCAARRD adopts this mechanism, HARRDEC is now set for this regional event highlighting the Region's organically-grown Arabica coffee along other varieties.

Instant and brewed Coffee prepared the gourmet-way or traditional, is a popular beverage next to water worldwide.

Indeed, the number of consumers is continually increasing and the market expanding.

The Cordillera Administrative Region (CAR) is one among the regions with climate and topography favorable to Arabica and Robusta coffee production. Recent attestation articulates that organically grown Arabica coffee in the different parts of the Region is ready to conquer the world market and is now fast gaining a reputation among coffee lovers because it is the most aromatic coffee variety.

Hence, improving the coffee production and invigorating the regional coffee industry can do much to alleviate poverty. Also, the introduction of sustainable natural resources management through integration of coffee in agro-forested areas will sustain environmental ecosystem while improving coffee production to be globally competitive in the world market.

On these premises, the Cordillera coffee is worth promoting; hence, the conduct of a Regional Coffee FIESTA. The said event will evolve from the different activities showcasing the coffee Arabica from the farm to the kitchen table in cups and mugs and in a variety of gourmet preparations. Such mechanism will create more avenues not just for promotion but also for networking and market matching.

As in a fiesta celebration, the Coffee FIESTA can help in showcasing the gains of S&T with a wide array of coffee products from the Cordilleras: beans to brewed beverages and related products for display, taste-test, and sale.

As a technology commercialization strategy, the Coffee FIESTA will hold such various activities as product display or exhibition, demonstrations, professional seminars, media conference, and promotional competitions to enhance awareness and create demand for the regional product. A consultation and planning session to accelerate the development of coffee as a regional product will also be done **in partnership** with the Region's key agencies and institutions such as BSU, NEDA, **HARRDEC...page 6**



Mr. Johny Bosque, an organic farmer, relates that starting in organic farming will require four Ts, Tiyaga, Talino, Tiis, at Tiwala sa Diyos during the 3rd Anniversary of the BSU Organic market on May 31, 2012 at the R&E Complex, Chrysanthemum Hall.

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NOAB approved the BSU proposal to create a regional R&D center for organic agriculture. The packaging of the proposal was spearheaded by Dr. Jose Balaoing.

Dr. Balaoing related that USec. Puyat has expressed her appreciation of BSU's efforts in promoting and developing the national organic agriculture program. //

Australian professor share tips on how to publish papers

Professor Terence McCann of the Victoria University School of Nursing and Midwifery in Melbourne, Australia was the resource speaker of the 2nd RDE Seminar Series for this year held on May 10, 2012 at the Chrysanthemum hall.

The seminar titled "Writing Scientific Papers for Publication in Peer Reviewed Academic Journals" focused mainly on mechanics of writing, authorship, journal standards, and ethics.

Prof. McCann, who already published 70 papers in peer reviewed journals, discussed these issues one by one. He emphasized that in submitting papers for publication, adhering to the standard of the journal where the paper is being submitted must be top priority.

He encouraged the participants to publish in order to contribute to a body of knowledge, spur discussion or debate within a professional community, to indirectly influence the policy and decision-making in a specific field of discipline, and to advance career development.

Prof. McCann also gave tips on how to improve writing such as reading the paper aloud, giving the paper to a critical friend for honest comments, attending workshops or conferences, avoiding jargon by using terms that have universal currency, and using short sentences among others.

The seminar series was coordinated by Dr. Julia A. Solimen and the Office of the Vice President for Research and Extension. It was attended by 30 faculty and staff members of the University.//

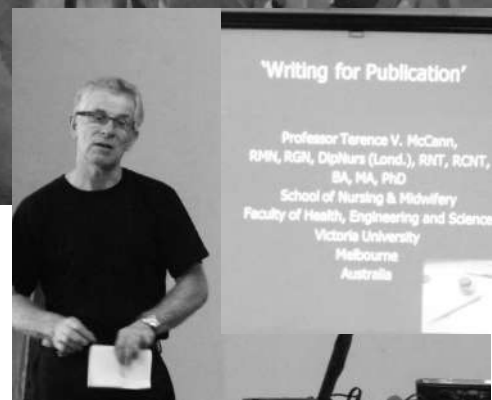
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Specifically, her work on oyster mushroom and shiitake R&D led to the identification of highland condition-adapted species and strains as a result of the success in the development of highland agriculture substrate formulations, stress treatments to improve productivity, postharvest handling and packaging technologies, and marketing of dehydrated and powdered products. For a wider utilization of these significant results, Dr. Luis published two books on oyster mushroom production.

These outputs in oyster mushroom R&D are now in two patent applications filed by the University Intellectual Property Office at the Intellectual Property Rights-



Professor Terence McCann of the Victoria University School of Nursing and Midwifery in Melbourne, Australia, was the resource speaker of the 2nd RDE Seminar Series for this year held on May 10, 2012 at the Chrysanthemum hall.



HARDEC...from page 5

DTI, DA, DENR, DOST, DOT, DAR, TESDA, PIA, PCCI, CRACC, NGOs, and other private organizations. The event will feast on the safe and secured environment-friendly grounds of the Benguet State University on July 5-6, 2012.

Incidentally, this event is in support to the Sectoral Committee on Economic Development's Banner Project No. 1: Boosting the Coffee Industry of the Cordilleras.

Lastly, the Coffee FIESTA may be a means to provide the locality an enjoyable and yet profitable enterprise that elevates quality of life as it aims to promote and highlight the best of coffee in the Region.

Indeed, it's more fun to drink the coffee of the Cordillera anyway it is prepared! // Christine L. Lopez

reference material in plant disease diagnosis and in taxonomy of plant pathogens by Plant Pathology major students.

Dr. Nagpala is an active member of the PPS and the PPS Northern Luzon Division. She served as Secretary of the PPS-NLD from 2003 to 2005 and as Press Relations Officer from 2006 to 2008.//

Philippines, Metro Manila.

Dr. Luis is a life member of the PPS since 1988 and the Founding President of PPS-Northern Luzon Division in 1990.

Dr. Nagpala has been a full time teacher for 28 years at the College of Agriculture and had served as thesis adviser to 39 undergraduate and 5 graduate students. Her commitment, dedication, and exemplary teaching abilities consistently earned her outstanding and excellent ratings from her students, peers, and immediate supervisors. She co-authored two laboratory manuals in Plant Pathology and General Microbiology. She has published a compendium on plant diseases and their management, which is now being used as a

"Conversations in Ethnography" Researchers met to discuss ethnography

To better understand ethnography, as a research methodology, and ethnography as a legitimate and relevant mode of inquiry, an informal dialogue on this subject was conducted last May 4 at the Audio-visual room of the University Library, Benguet State University.

Activity-coordinators and organizers, Prof. Ruth S. Batani and Ms. Mursha D. Gapasin of the College of Arts and Sciences-Social Science Department initiated the activity with Dr. 'Boi' Abaya, an ethnographer and a professor at the Department of Anthropology, College of Education in UP Diliman, who came as the speaker of the event.

Abaya, a medical anthropologist, explained that ethnography is engaging oneself, the researcher, in the world of others. He asserted that ethnography is immersing oneself in the whole process of doing the research to obtain qualitative results. He noted that ethnography is usually pitted against the survey method that has its own usefulness in certain areas.

"As you do ethnography, you become culturally sensitive," he informed the participants. This is because one "will be able to understand holistically the context of a particular culture as one integrates in the

community being studied," he added.

During the conversation, some participants consulted Abaya regarding their research proposals and on-going researches. Abaya was able to comment and recommend readings and references including relevant strategies for improvement.

Moreover, Dr. Abaya shared his wisdom with participants that advising them at the same time to spearhead the generation of knowledge so the method in producing this knowledge must be considered well. A rigorous ethnography should explain and describe every step on how the research was conducted," he added.

Abaya said that activities such as these are important in providing an alternative methodology that is rigorous particularly on understanding a culture. He reiterated the importance of ethnography as a legitimate mode of inquiry in research despite contestations from the more quantitative perspectives.

Social researchers and student-professionals taking their master's and doctorate degrees on different fields together with faculty members of the Department of Social Sciences participated in the event. Dr. Abaya was in Benguet for his field work in Folklore studies with his Anthropology students. He also served as a conference speaker in another national event.// Jasmin P. Kiaso (DEVCOM Summer 2012 Intern at ISRD)



Dr. 'Boi' Abaya, an ethnographer and a professor at the Department of Anthropology with Prof. Ruth S. Batani during an informal dialogue on ethnography as a research method last May 4 at the Audio-visual room of the University Library, Benguet State University.



Prof. Harland Gary Pawid, Director of the Institute of Physical Education and Sports, presides over the ceremonial toss to begin the third edition of BSUNTA inter-employee basketball tournament.

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The event was organized to promote camaraderie and increase physical activity among employees.//RKinnud

University delegates win three events in ASCU-SN Goodwill Games 2012

The University delegates to the ASCU-SN Goodwill Games held last May 4-6, 2012 at the Ramon Magsaysay Technological University based in Iba, Zambales came home as champions in chess, dart, and 50-kilometer biking.

The University chess team members are Danilo Padua of CA, Genaro Macasieb of CEAT, David Agustin of ELS who also champed the 50km biking, and Stanley Anongos and Leonardo Samonte of CAS. The dart players are Rex John Bawang of CTE, Elmar Jun Walsi-en of CEAT, and Jojo Tero and Peter Danglay of GSO.

The other University pride bringing trophies: Placing 1st Runner-Up in basketball are Almon Bokilis of SLS, Marlon Tabdi of IPES, Rex John Bawang of CTE, Anatolio Garcia Jr. of the Cashiering Office, John Botengan Jr. of the SLS, Tecah Sagandoy of CAS, Bryan Bangnan of the Accounting Office, Alexander Fagyan of CA, Harland Gary Pawid of IPES, Freddie Acwadey of LRO, Elmar Jun Walsi-en of CEAT, and Clemente Dogyang.

Still on ball games, both volleyball men and women teams placed 2nd Runner-Up. Teams comprise of Elvie Altatis of CF, Martina Deponio of GSO, Jocelyn Maunting of Procurement

Office, Jocelyn Runas of CVM, Gretchen Gaye Ablaza of HRMO, Lea Jalon of Library Services, Alicia Balongyad of SLS, Antonio Binay-an of SLS, John Botengan Jr. of SLS, Peter Danglay of GSO, Alexander Fagyan of CA, Vicente Panagan Jr. of CN, Tecah Sagandoy of CAS, and Jojo Tero of GSO.

For the tract events, Martina Deponio of the GSO placed 1st Runner-Up on the 4-km fun run while Alexander Fagyan of CA placed 2nd in the same competition; Ryan Batinay placed 1st Runner-Up in the 50-km biking while Mario Marquez placed 5th in the 40-km biking.

For the other events, Christopher Deponio of CA, Aldrino Dao-anis of GSO, and Melvin John Aromin of the Accounting office and Dominador Garin Sr. represented the University in biking, table tennis, and badminton.

The Association of the State Colleges and Universities-Solid North (ASCU-SN) Goodwill Games 2012 themed "Harmonizing and Solidifying ASCU-SN through Sports," engaged the participation of quite a number of delegates from 17 State Universities and Colleges.//

BSUNTA 3rd basketball tourney underway

The BSU Non-teaching Association (BSUNTA) commenced its inter-employee men's basketball tournament last May 28, 2012. The competition will run until June 22, 2012. This is the third time that this competition in basketball men is held.

The competing teams are from various units of the University: Administration, Information and Communications Technology (ICT) Department, Library, Benguet Vegetable Processing Center (BVPC), Agri-technology Business Incubation Center (ATBI), Northern Philippines Root Crops Research and Training Center (NPRCRTC), General Services Offices, the Income Generating Projects (IGPs), Research and Extension sector, and the non-teaching personnel in the various colleges.

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BSU delegates posing with their trophies garnered during the 2012 ASCU-SN Goodwill Games held on May 4-6, 2012 at the Ramon Magsaysay Technological University in Iba, Zambales.//Photo courtesy of Harland Gary Pawid