



## President's Message

Once again, welcome to one and all. This second issue of our GeoFalcon Newsletter took off after a three-year hiatus. Thanks to previous and new officers, councilors, committee chairs, and fellows who made extra efforts to carry on this noble dream. I am delighted to report several major achievements after the first issue to the present. Much of our activities were geared towards supporting the AUMEGA (previously AUMGCS) and to a certain extent our alumni, colleagues, and geology students from other universities.

To begin with, the lecture series held mainly at Adamson University – the home of the Falcons – starting in 2009, has arguably become our banner project, not only within the portals of our Alma Mater but we brought our lecture series overseas. Our distinguished resource speakers and lecturers in 2010 were Douglas Kirwin (August), Rene Gonzales (September), and Richelle Awid-Pascual (November). Kirwin's lecture was attended by not only the MGC students but also 23 UP-NIGS students with one professor, and 11 Mapua students who were formally invited. By bringing in Society of Economic Geologists (SEG) lecturer Doug Kirwin – the first ever international lecturer – last August 6, 2010, our Alma Mater become visible in the map of SEG, an international association of economic geologists based in Colorado, USA, as Kirwin's lecture was featured in the SEG October 2010 Newsletter (page 31). In 2011, our distinguished resource speakers and lecturers were Carlo Dayanghirang (February), Rene Gonzales (August), and Dr. Andrew Mitchell (December). Only one lecturer, Dr. Tabassam Raza, presented a paper in 2012 due to difficulty in setting the schedule and availability of the venue in Adamson University.

Moreover, to address the expanding and growing involvement/activities of the AdUGAA new committees have been created namely, Programs (originally Program and Publication, chaired by Rene Gonzales), Ways and Means (Danilo Fajardo), and very recently Publications (Dr. John Carranza). Of the six committees, the Awards and Recognition (James Llorca), Membership (Gemselle Nagrama), and the Technical & Development (formerly Technical Session/ Francisco Jimenez, Jr.) committees have been the most active. Although the responsibilities of each committee have not been fully defined yet, respective chairpersons are expected to be present during the reunion/general membership meeting in December 2013. In general, we are very pleased with the achievements of individual committees. Thank you all.

In 2011, some 11 Adamson geology students became bona fide members of the SEG. They were among the first Filipino students to become members of this prestigious international society. Their memberships in the SEG were made possible through sponsorships by the AdUGAA and some fellows (e.g., Leo Deiparine). We will get the nod of the officers and councilors if we want to continue sponsoring some students. We also opened temporary peso account in Banco de Oro (c/o erstwhile treasurer Gene Estuesta) while our Association was awaiting registration with the SEC. The Awards and Recognition Committee, chaired by

James Llorca, has already recognized and awarded five Most Outstanding Geology Alumni (MOGA) since 2009. In addition to the first two MOGA awardees reported in our first newsletter, the three recent MOGA awardees were Carlo Dayanghirang (2010), Fred Antonio Tejada (2011), and Joselito Lomibao (2012). We also co-sponsored the BrainCore Quiz Bee (High School category) organized successfully by the AUMGCS in January 2011, under the leadership of AUMGCS president Archie Peña.

We are pleased to convey that solicitation and donations of books, magazines, published articles, and geological tools to the library and the MGC mini-library have been successful. Leading the donors are Doug Kirwin, Leo Deiparine and Al Latorre. A full account of our generous donors can be found in the succeeding pages in this issue. However, we have to safeguard and secure those donated items being kept in the MGC mini-library and to ensure that all students would have easy access to them. Inventory of donated books, tools and other items shall be done regularly. However, some alumni insist that all donated items should be turned over to the library or the Chairperson of the MGC Department.

So far, as of to-date, our egroup has 160 strong members and still counting. About a third of the members are either residing or working overseas. I am happy to report that many members have paid their annual membership dues for this year – some even paid for the previous years. Our members from Australia have paid their annual dues for five years or until 2017. Thanks to James Llorca who made this arrangement possible. Payment for the annual membership dues through our association's account is encouraged. Treasurer Roger Cadano will issue official receipts upon confirmation of the bank deposits. Note that the annual payment is P500 only. Lifetime membership has been proposed and will be discussed during the reunion/general membership meeting in December 2013.

The launching of the GeoFalcon Newsletter on May 19, 2010 was another significant milestone. From memory, no alumni association newsletter from our school has ever been embarked on and circulated. We sent copies of the first newsletter to the MGC students, to the AdU administrators/co-administrators, alumni and some friends. College of Engineering dean Engr. Evelyn Raguindin recently requested for a copy, which she circulated to the CoE offices. We will also be sending copies to the AUAAl egroup and other alumni chapters (local/international) to keep everyone informed of our activities and what have we accomplished so far, among others.

A meeting during the GeoCon 2012 in Dusit Thani Hotel in Makati City was called, with Dr. John Carranza around. Membership forms and annual membership dues have been collected by the Membership Committee Chair Gems Nagrama, and some P14,000 have been collected. One of the agenda discussed was to elect the new set of the AdUGAA officers and councilors for 2013-2014. The election was held on 9 January 2013 in the Hong Kong Chef Restaurant along Macapagal Avenue, Pasay City. Gems Nagrama acted as the COMELEC Chair. Adamson University OIA director Miss Eva Dulay witnessed the election. Congratulations to the elected officers and councilors. In the same event, the 2012 MOGA award was conferred on Joselito Lomibao. One of

the first accomplishments of the new Council was the AdUGAA's registration. The AdUGAA was finally incorporated and registered with the SEC on 24 January 2013. This was made possible with the concerted efforts of Carlo Dayanghirang, Eli Nacario, Roger Cadano, Gemselle Nagrama, and yours truly.

It is worth mentioning that the present undergraduate geology students are upbeat and making waves. In the August 2012 geologist board examination, two new graduates landed in the top ten – David Carlo Austria (2nd place) and Mel Anthony Casulla (7th place). For that matter, a tradition of excellence is in the making, on- and off-campus.

Without much ado, I challenge every GeoFalcon – young and old alike – with renewed energy and commitment to help AdUGAA and our Alma Mater bring us to where we want to go, to bring us to greater heights. The task is enormous; but with us working together, nothing is impossible. I believe that there is power behind alumni coming together.

 **Jerome Corpus** (*President*)



## Notes from the Editor

Greetings to you all my fellow GeoFalcons! In April this year, Jerome, as president of our Association, has re-appointed me as Editor-in-Chief of our Newsletter.

The aim of our Newsletter is to inform members about the operations of our Association and developments in the field of geology. We hope to feature information on any of the following:

Interim President Jerome Corpus presided over the meeting, with a short program as follows:

- official notices/announcements/calls for nominations etc.
- latest news about the preceding or next AdUGAA meeting or other conferences
- awards or honors from Adamson University and other organizations
- news about geosciences in our country (or others that you know about)
- news about people (yourself and others), especially GeoFalcons (or AdUGAA members)
- interesting books or data sources
- worthwhile meetings coming up
- reports on meetings that you have attended
- pictures (pref. digital) from meetings or other occasions
- memorabilia/notes on activities of AdUGAA
- concerns
- letters to the editor
- etc.

The list above is tentative, of course, and any interesting contribution is certainly welcome.

Contributions should be submitted in any digital format that allows me to copy-and-paste-and-edit the contents. Photos/figures (colour or black-and-white) should be submitted separately as high resolution (preferably at least 300 dpi) jpeg or tiff files. All contributions shall be reviewed by the editorial board and will be edited for clarity and brevity.


Please send your contributions to our Newsletter to my email

address: [johncarranza@yahoo.com](mailto:johncarranza@yahoo.com).

As you know our maiden Newsletter was launched on May 2010, and we then planned to have two issues of the Newsletter annually. We still hope to achieve that. This is YOUR Newsletter, YOU make the news, you ARE the news – please contribute!

For this issue, which is just the second issue, we are grateful for the contributions of Rene Gonzales and Leo Deiparine, as well as that of James Llorca (about the whistle ☺).

One issue of the Newsletter will contain our Bylaws so that new as well as old members of our association are aware of them. Every issue of the Newsletter will contain the membership form so that it serves as a standing invite for GeoFalcons who may read our Newsletter but are not yet members of AdUGAA.

 **John Carranza** (*Editor-in-Chief, GeoFalcon Newsletter*)



## AdUGAA Concerns

### POLL FOR REUNION DATE IN DECEMBER 2013

In April 7, 2013, a voting campaign to select a date of preference for the December Alumni Reunion was announced. Since that date, 24 have responded to the call. The partial and unofficial results of the voting campaign as of June 7, 2013 are:

DATE	VOTES
December 4, 2013 (a day after the annual GeoCon)	11
December 21, 2013	8
Will abide with majority	4
Will not attend	1

Therefore, the preferred date for the reunion is December 4, 2013. This will be discussed further by the AdUGAA officers and councilors in their scheduled meeting on July 19, 2013.

### DONATION OF BOOKS AND FIELD EQUIPMENT

One of the major programs of the association is to continuously solicit from the GeoFalcons and other benefactors who are willing to donate their extra and used but still reliable field equipment, books, mining journals and magazines that could benefit the MGC students as well as the MGC department. Below are the donors and partial inventory of items:

DONOR	ITEMS	QUANTITY
Al Latorre	Brunton compass	10 units
Henry Salvado	Garmin GPS	1 unit
Leo Deiparine	Books, journals, magazines	3 boxes
Doug Kirwin	Books, journals, magazines, published articles	2 boxes
Yuri Baja	Books of his father	
Eli Nacario	Brunton compass	1 unit
Rene Gonzales	Brunton compass	1 unit
Wilmar Ladia	Sample pick	1 unit

 **Benjie Sucgang** (*Secretary*)



### Outstanding Alumni Awards

Every year the AdUGAA Council through the Awards and Recognition Committee (ARC) selects and officially recognises the most outstanding alumni. As of this writing the Council has conferred to each of the following GeoFalcon the Most Outstanding Geology Alumnus Award (MOGA).

Year Awarded	GeoFalcon	Category
2009	Dr Emmanuel John M Carranza	International – Academe
2009	Alfonso Q Latorre	International – Exploration
2010	Carlo D Dayanghiran	National – Geo Hazards
2011	Fred Antonio C Tejada	International – Corporate Management
2012	Joselito A Lomibao	National – Pioneer – Mine Geology
2013	To be announced in Dec 2013	Various

The MOGA award is to recognise geology graduates of Adamson University for exceptional professional, academic, research, publications, personal development and contributions to the community at the local, national or international levels since initial graduation.

In your Council's 2nd Strategic Meeting last 17 April 2013, it has been decided that the ARC create two new awards: 1) Outstanding Young Alumnus Award; 2) Distinguished Service Award. The purpose of these new honours are:

- Outstanding Young Alumnus Award – recognise geology graduates of Adamson University under 40 years old who have achieved distinction in various fields.
- Distinguished Service Award - this award recognizes an individual who has demonstrated unselfish service and leadership in advancing the discipline of geology, the industry, Adamson University and or the AdUGAA.

A nominee for the above awards should be able to provide, any, but not limited to, evidence as follows:

- Statement of service to the discipline such as organisation of meetings, participation in public advisory groups, contributions to public relations or communications with lay support groups, and related activities.
- Proof or statement of training predoctoral and/or post-doctoral fellows in geology or related science (emphasis should be given to trainees who have attained positions of leadership).
- Statement of leadership positions such as offices in the recognised societies and related organisations, editorial boards, and national and international review committees.
- Statement of a productive career in research. Of particular importance are insights resulting from studies of the nominee that pioneered new areas of significant research in the advancement of the science.

The nominations for all the above awards are open throughout the year. All members are encouraged to submit their nominations with the nominee's full name, contact details and a brief qualifying statement of achievements. The submission can be made electronically through the following eMail address:

Awards.AdUGAA@ymail.com, or through the Council Secretary. All members are encouraged to put forward nominations of deserving GeoFalcon.

 James Llorca (Chairman, ARC)



## My inimitable field gear: No. 1

We geologists could not perform our field tasks without the proper gear. In this column, we will try to unravel what are these essential items. A number of us to some extreme bring more than the essential items, and while others are on the minimalistic principle. Generally, we geologists love our field gear. Sometimes there is a hidden competition on who does have the latest

and best gear. We look at colleagues with meticulous and googly eyes. Envious or proud of what we got.

In this first series of articles, we bring you the humble whistle, yes, a whistle! I bet you not all of, even the most seasoned, field geologists carry a whistle. Why carry one? Is it essential in performing a geological task? Probably not, but, it could be a lifesaver and excellent for calling attention!

The humble whistle has louder decibels than a human voice, that it is still used in the underground mines by mine car transporters for signaling.

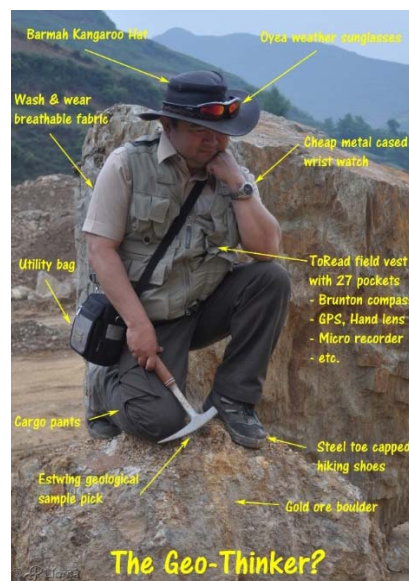
A whistle produces a lovely musical tone... now I wonder if there are any geologists who can blow a melody using a whistle – then he or she should enlist for an audition in "Geologists Have Talent" – a forthcoming variety show.

It is cheap, light weight... and it comes in all sorts of colours for your little geo-heart desires.

A cautionary statement is now in order. All of the above has been written with certain seriousness and pun. One geo-scientific skill required in practice is to be able to separate fact from fiction. Reading this article and succeeding articles in this series requires that skill.

In the next series, we will look at the all-important geological hand lens. Cheers!

 James Llorca





## 1st International Lecture Series on Economic Geology

The first international lecture series initiated by our association was held last June 29, 2012 at Padjajaran University in Bandung, Indonesia. As a background, our President, Jerome Corpus while in Indonesia in 2011 worked with a local geologist who invited our association to conduct a geology lecture or workshop at Padjajaran University (UnPad). Our President requested me to conduct the lecture because I was already an OFW in Indonesia. The one day course, which was jointly organized by the SEG Student Council of Padjajaran University (SEG SC Unpad) and the Geological Student Association of UnPad in cooperation with PT Sorikmas Mining, discussed epithermal gold deposits and sediment-hosted gold deposits. PT Nusa Halmahera Minerals also co-sponsored this course. The topics were already presented in previous lectures at Adamson University in 2010 and 2011. The topics presented aimed to explain the theoretical concepts of sedimentary-rock hosted and epithermal gold deposits and to share knowledge about economic geology from practitioners outside the academe.

The following summary of activities is excerpted from the SEG SC UnPad's July 2012 report:

"Mr. Rene Gonzales has successfully explained the topic about "Sedimentary Rock-Hosted (Carlin Type) and Epithermal Gold Deposits" in one day course. Fifty seven people attended this lecture. Ten were professionals from various mining companies, five were graduate and postgraduate students and 42 were geology students from Padjajaran University, Soedirman University, ITB and other schools. This workshop was held at Bale Santika audiovisual room of Padjajaran University. It started at 9:30 am with an opening ceremony of a traditional Sundanese dance followed by a reading of AdUGAA President's message to the Geology faculty and students of UnPad. The lecture was completed at 4:30 pm followed by a group photo session. Overall, this workshop successfully made all the participants very enthusiastic in listening to the explanation so that the feedbacks from participants were very good.

In the first session, Mr. Rene explained about epithermal deposits. Initially, Mr. Rene explained the basic concept of epithermal deposits, after that he explained about the location of epithermal deposits around the world. He also brought epithermal veins samples from North Sumatra to familiarize the participants low and intermediate sulfidation epithermal deposit types. At the end of the first session, four participants asked questions about the epithermal deposit and all participants looked very interested about the explanation.

After the lunch break, the session was continued. Mr. Rene explained the basic concepts of sedimentary-rock hosted or Carlin type gold deposit. The lecture was supplemented by rock specimens of jasperoid and carbonate host rocks from Sihayo, North Sumatra and many pictures of this deposit. At the end of the first session five participants asked Mr. Rene questions about Carlin type deposits with enthusiasm. All the participants looked very interested in the explanation given."

Lecture notes and a CD containing the two topics presented as well as additional literatures for each deposit type were given to every participant including a certificate of participation. All the rock specimens of epithermal veins and jasperoids from PT

Sorikmas Mining's North Sumatra project were donated to the Geology Department of UnPad. The author received a plaque of appreciation and memento from SEG SC UnPad / Geological Student Association of UnPad.



Photos: The author delivering the lecture at UnPad (top); receiving a gift from Mr. Rendy, the President of SEG SC UnPad (middle); group picture of participants from the first AdUGAA International Lecture series at Padjajaran University, Bandung, Indonesia (bottom).



Rene Gonzales (Senior Geologist, PT Sorikmas Mining)



## Technical Notes

### HISTORY and DISCOVERY OF THE MODI TAUNG HIGH GRADE OROGENIC GOLD DEPOSIT, MYANMAR

The Discovery Team was composed of Leo S. Deiparine, U Nyunt Thay, Sien Po, Min Zaw, Aung Khine, Thein Zaw and Thet Naing

### Introduction

The Slate Belt (Figure 1) terrain of eastern Myanmar is characterized by extensive surficial cover and a lack of stream and BLEG geochemical anomalies. Therefore, cautious, systematic and extensive field mapping played a major role in the exploration and discovery of the Modi Taung high grade orogenic (mesothermal) gold deposit

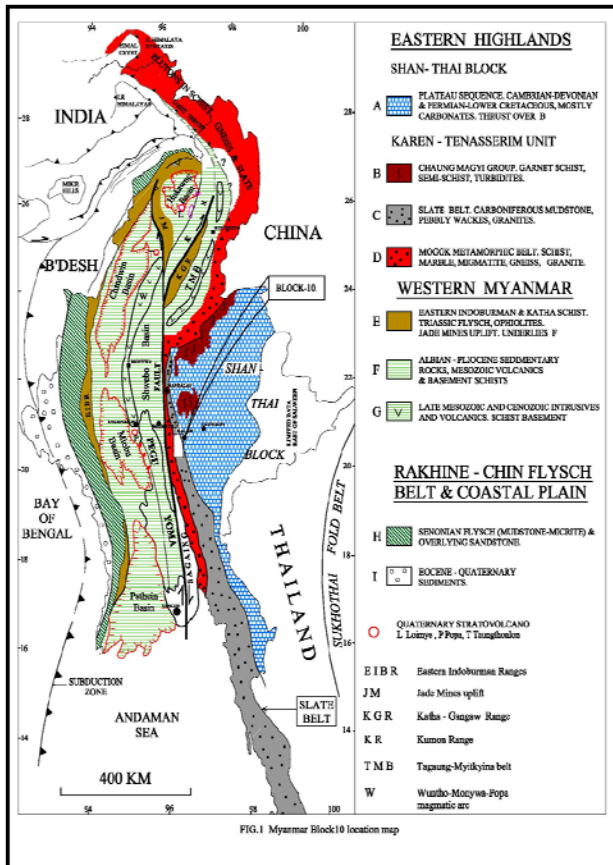


FIGURE 1. Simplified geology map of Myanmar, showing location of IMHLE Block 10 area (map from Dr. Mitchell PowerPoint Presentation).

The Modi Taung Project is situated in the southern part of Ivanhoe Myanmar Holdings, Ltd. (Exploration) – IMHLE, Block 10 concession (Figure 2), approximately 150 kilometers south-southeast of Mandalay (Figure 1). Five known parallel zones of mineralized vein structures, each between 500 and 800 m long were defined. These vein systems remain open-ended and are not closed off anywhere in the 5,000 accumulative meters of underground development. The textural characteristics of the mesothermal veins remain unchanged over a vertical distance of 400 m. Following the discovery of the gold vein system in late 1997 by a group of one Filipino and six Burmese geologists,

Ivanhoe had explored the area with a series of trenches, adits and crosscuts. Very high-grade gold assays (maximum 3,475 g/t in a surface sample across 1.3 m/ 111.2 oz/t across 4.3 feet) have been recorded from trenches as well as multi-ounce gold values (maximum 321.7 g/t across 0.75 m/ 9.99 oz/t across 2.5 feet) in the quartz veins were sampled in the adits.

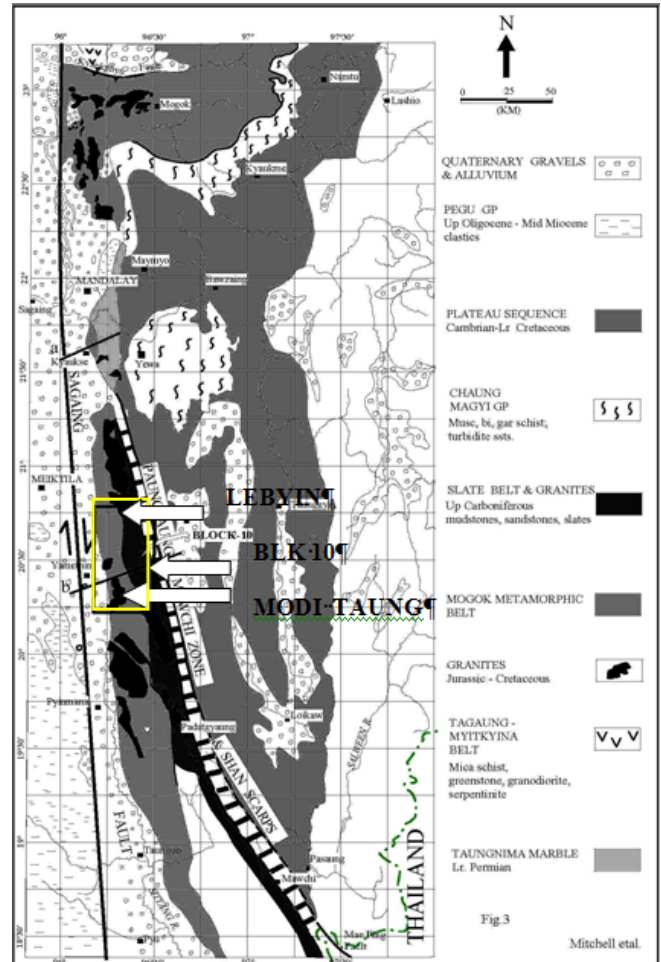


FIGURE 2. IMHLE Block 10 area showing location of Modi Taung high grade mesothermal gold deposit.

Gold appears to be restricted to the quartz veins and is both of primary and secondary origin, occurring as free gold and in direct contact with pyrite. Modi Taung covers an area approximately three kilometers long and 1.5 kilometers wide containing five, steeply dipping, northwest trending, gold-bearing, mesothermal shear quartz veins. The veins are approximately 200 m apart and hosted by low-grade metasediments. The main quartz veins are remarkably and unusually consistent. Continued field mapping from 1998 to 2000 has shown that additional parallel gold vein systems are present

### History of the Modi Taung

The main basis for the bidding of the 1,400 sq. km Block 10 area was the presence of massive silicification with stibnite and elevated gold values at the northern section of Block 10 around Lebyin (Figure 2). This northern part has been included in the exploration program in 1970 by the United Nations – Government Geological Survey. However, at that time gold was a low priority with only a reported alluvial working in the Paung Laung River, east of the block.

In November 1996 to May 1997, during the dry season a reconnaissance geological mapping simultaneous with stream sediment and BLEG sampling were undertaken at the southern part of Block 10. The area is covered largely by mudstones, sandstones, phyllites and mica schists, termed as the Slate Belt.

Reconnaissance work at the southern extension of the Slate Belt is extremely difficult. The reconnaissance team has to move constantly and set up fly camps.



PHOTO 1: Food and other supplies have to be brought to the fly camps by elephants.

In late 1997 through March 1998, follow-up work was carried out at the Makabwet geochemical anomaly, where artisanal miners began driving adits. At this stage, mineralization in the Slate Belt was thought to be largely confined to silicified sandstones and grits with quartz-pyrite stringers.

By June 1998, veins and silicification at Waphyudaung, south of Makabwet was investigated by grid survey and trenching, Most samples across veins and silicified sandstone at Waphyudaung were mostly low with only one intercept in the trenches at 13.8 ppm over 2 m.



PHOTO 2: Sunset at Modi Taung – Htongyitaung area that are partly covered by clouds.

In November 1998 to October 1999, late monsoon period, mapping and rock chip sampling of stream and gully exposures were undertaken from Waphyudaung progressively southwards into the relatively thickly forested and relatively remote as well as inaccessible Modi Taung – Htongyitaung area, (Photo 2) where initial reconnaissance sampling had given rock chip values of 20 ppm Au. By May 1999, a transit camp (Photo 3) was set up at Makabwet area for the supplies that were needed for the additional mapping, sampling and trenching at Modi Taung.



PHOTO 3: The transit camp that was set up at Makabwet, 20 km northwest of Modi Taung as drop-off point for supplies.

Rock chip samples on vein outcrops in the mudstone at Modi Taung included 41 ppm over 1 m, which was named Htongyi Taung Vein, and vein float sampling upslope assayed up to 1650 ppm.

During December 1999, assays of rock chip samples of stream exposures and vein floats encountered along the slope at Modi Taung area included an outcrop of veins and intervening mudstone with 14.3 ppm Au over 6 m. These outcrops in the streams and gullies including data from trenching at Waphyudaung have indicated the potential within the Slate Belt was for mesothermal (orogenic) quartz – gold veins.



PHOTO 4: Book-and-ribbon texture typical of mesothermal veins.

Trenching carried out from January to May 2000 uncovered book-and-ribbon textured (Photos 4 & 5) veins with visible gold.

By end of the dry season, in late May 2000, six zones were identified within a 3 sq. km. area. By June 2000, best intercept in the trench was 80.4 ppm over a 1.4 mm wide vein. By July 2000, Modi Taung was recognized as having better potential than the other prospects in the Slate Belt.

In November 2000, it was decided to take advantage of the steep slope at Modi Taung and Htongyitaung, exploratory adits (Photo 5) were driven. More information about the characteristic and nature of the veins were obtained. Moreover, underground samples have given better understanding on the lateral and vertical distribution as well as erratic nature of the gold mineralization. From December 2000 to October 2001, longer drives and cross cuts were established and were able to obtain deeper vein intercepts and significant grade beneath the oxide zone.

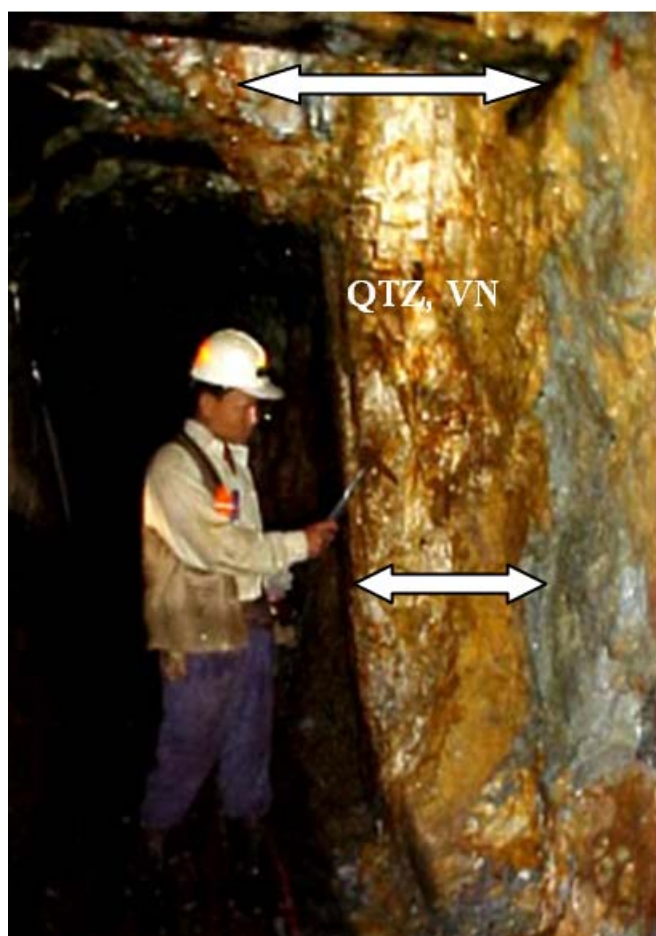


PHOTO 5: The Shwesin vein intercepted along the drive of an exploration adit at Modi Taung.

Subsequent works after the discovery of the mesothermal quartz-gold veins at Modi Taung have indicated that there are sufficient grades and widths to support an underground mine.


The discovery of Modi Taung is without doubt a product of hard work, good geological knowledge of the region, creative conceptual thinking and serendipity. However, the success of the reconnaissance team in the discovery of Modi Taung is mainly attributed to the guidance from the great mentor Dr. Andrew H. G. Mitchell.

Following the discovery of the deposit by the reconnaissance team, detailed exploration of Modi Taung have brought together

a group of geologists of different nationalities (Photo 6) with diverse technical ability and appetite for more discovery. The Ivanhoe geologists were highly encouraged by the multi-ounce gold mineralization, which enabled Modi Taung to be known as the first Slate Belt high grade orogenic gold deposit discovered in Southeast Asia.



PHOTO 6: Exploration geologists of diverse nationalities have been brought together by the discovery of Modi Taung.

 **Leo Deiparine** (Consultant on Myanmar projects, Metalventures)



## Profiles of Elected Officers and Council Members

The following GeoFalcon were elected to the AdUGAA Council during the election last 9 January 2013.

### President - TIERRY JEROME C. CORPUS



Jerome (AdU, BSc Geo 1980, BSc EM 1982) placed 7<sup>th</sup> in the August 1982 Geologist Licensure Exams and 6<sup>th</sup> in the February 1983 Mining Engineering Exams. In 1992, he took the Basic Management Program at the Asian Institute of Management. He earned his MSc in Geology at the University of the Philippines in Diliman (UPD) in 2012. While doing so, he joined the faculty of the National Institute of Geological Sciences (NIGS), UPD.

His profession as exploration geologist started with Benguet Corp in 1983. He progressed from junior geologist to assistant geologist to project geologist, and from unit manager to section manager. In 1987, he was assigned in the Paracale Gold District, and was promoted to a senior position six months later, after successfully managing the Big Vein (Anita) gold project. From thereon, he managed several major gold and VMS projects in Zamboanga del Sur, Zamboanga del Norte, Benguet, Paracale and Davao del Norte, among many others.

In 1995, Jerome started his overseas stint with Ivanhoe Mines Ltd as project geologist. He was the team leader in the discovery

of the Jelia-Mewet gold deposit. As a result of the discovery, the management assigned him to South Korea in 1997. There, he was involved in the Haksan and Oh Bok mesothermal gold projects. He was also instrumental, together with a few others, in generating Can\$90M for the company by conducting presentations to prospective investors.

In 1998, he returned to Benguet Corp as district geologist and dept manager. He managed several gold-copper projects in Davao del Norte, Benguet and Bataan. He also carried out preliminary due diligence work in Benguet, Cagayan, Bataan and Zamboanga del Norte. In addition, he initiated in-house research on company's exploration projects that focused on defining tectonic and volcanic settings, mineralization and alteration styles and establishing geologic models.

He returned to UPD in 2001 to pursue MSc in Geology. While doing so, he worked as a research associate in 2001-2002 - consistently obtained outstanding performance ratings. In 2003-2004, he taught in the undergraduate course program of the NIGS. As a faculty, he consistently received high SET scores, and in one term distinguished himself by obtaining the highest rating from 52 courses offered by the Institute. He received research grants from the Dept of Science and Technology (PCIERD) in 2002 and from the UPD's Office of the Vice Chancellor for Research and Development in 2004.

In 2004, he became chief exploration geologist of Lepanto Consolidated Mining Co. He later joined TVI Resources as project manager in 2005, in-charged of advanced exploration in Zamboanga del Sur. In 2006, Indophil Services Int'l Pty employed him as senior geologist, directing project generation and conducting preliminary due diligence works. In 2007, he was recognized as one of the co-discoverers of the Canatuan VMS deposit.

In 2007, he worked for Belitung Zinc Corp as senior geologist in Indonesia, drill-testing the Kelapa Kampit Pb-Zn-Ag skarn project. He worked with Anvil Mining Congo SARL (Africa) for awhile, before working for Khs Dragon Mining Co. Ltd as exploration superintendent in Laos in 2008-2010. In 2011-2012, he was engaged by Intrepid Mines as principal geologist in Indonesia, and presently as chief geologist of Lucrui Resources in Cambodia.

In technical conferences and seminars, Jerome was presenter of several papers on heavy-metal contamination in small-scale mining areas in the Baguio District and about epithermal gold systems, was guest lecturer and resource speaker in geology. In early 2009, he presented a paper on iron-copper mineralization in the Xiengkhouang Province held in Vientiane, Laos.

Jerome is member of the Society of Economic Geologists (SEG) since 2000 (USA-based). He is life member and was treasurer and director (1994 & 1995) of the Philippine Institute of Mining, Metallurgy and Geology (Baguio Chapter). He is member and was director (2003) of the Geological Society of the Philippines (GSP). He is co-founder of the AdUGAA. He is moderator-owner of AdU\_geos e-group of AdUGAA. He is member of the Natural Stone Society of the Philippines. He was a volunteer in the national and local elections in Baguio City in 1998 and 2001.

In summary, Jerome has over 25 years of experience in mineral exploration and project management in the Philippines, Indonesia, South Korea, DR Congo, Laos, Malaysia, Inner Mongolia (China), and presently in Cambodia. He has organized and managed major exploration projects both local and overseas, held positions of senior geologist, supervising geologist, project manager, exploration superintendent, principal geologist, and chief geolo-

gist, from grassroots to advanced exploration and resource definition drilling for gold, base metals and iron ore.

## Vice-President – RENE I. GONZALES



Rene I. Gonzales is a Senior Geologist of PT. Sorikmas Mining based in Jakarta, Indonesia engaged in the resource development of the Sihayo sediment-hosted gold deposit and epithermal gold exploration in North Sumatra.

Rene obtained his BSc in Geology from Adamson University in 1980. He placed 3rd in the August 1980 Geologist Licensure Examinations. In 1995, Rene completed a short course on volcanology at the Monash University in Melbourne, Australia. In 2004 to 2005 he took short courses on volcanology, ore deposits and mineral exploration at CODES-SRC University of Tasmania in Hobart, Australia. He was also involved in the AMIRA P765 research program on green rocks to find a link between porphyry and epithermal deposits. Rene also completed a detailed geological mapping and core logging workshop under Professor Marco Enaudi of Stanford University in 1997 and a coal geology workshop under Professor Colin Ward of the University of New South Wales in April 2010.

He is an experienced gold, copper and coal explorer. His more than three decades of mineral exploration work is highlighted by the successful development and operation of Newmont's Batu Hijau porphyry copper-gold mine, the second largest in Indonesia where he was actively involved in geological and ore deposits modeling and also the discovery of the Boyongan porphyry copper-gold deposit in Surigao del Norte, Philippines. Rene is an expert geological mapper and mentor and also conducts lectures in epithermal gold, sediment-hosted gold, skarn, porphyry copper and coal deposits. He can do geological modeling using Micromine and MapInfo. His recent published reports are two co-authored articles on Baguio district geology in the December 2011 issue of the Journal of the Society of Economic Geologists.

Rene is a member of the Society of Economic Geologists since 2005 (USA-based). He joined the Adamson University Geology Alumni Association (AdUGAA) in 2010 and was appointed Chairman of the Programs and Publication Committee. He is a polyglot and speaks fluently in six languages and dialects (Bicol, Tagalog, English, Ilocano, Cebuano, Bahasa Indonesia) and some Spanish.

## Secretary – BENJAMIN L. SUCGANG



Mr. Sucgang completed his Bachelor of Science in Geology from Adamson University in 1986. He carries with him 25 years of experience as a geologist in the various fields of mineral exploration, mine operation and partly in engineering geology. Most of his worked endeavours were involved in the mineral exploration and mine exploitation particularly for precious and base-metal deposits.

His most recent work assignment is in Negros Oriental Province, Philippines for Solfotara Mining Corporation that extensively evaluated a copper-gold-molybdenum deposit. On the preceding year of the company's operation in Basay, Negros, he handled and managed the entire project as Site Manager in close coordination with the Country Manager for exploration and Australian



expatriates. Before returning to work in the Philippines, he had years of worked experiences on overseas (2006-2011) wherein the notable one of which is with Markmore Minerals, a junior mining company based in Malaysia, as Exploration Manager. The mineral properties covered are all situated in Mozambique, Africa and Yemen, Arabian Peninsula. The properties evaluated at then are for gold-copper and silver, polymetallic, base-metals, silica and coal deposits. Other countries that he also worked onto were in Mongolia and Indonesia as Overseas Technical Consultant with Ithaca Resources and Vietnam as Senior Geologist in search also of economically viable deposits of precious and base-metal and coal. In the Philippines, he was involved with the Pre-Feasibility and Bankable Feasibility evaluations of the now known operating mining companies in Apex Masara Gold-Copper Project with Crew Gold Phils., Aroroy, Masbate Gold Project with Filminera Resources, and TVI-Canatuan VMS Deposit in Zamboanga Peninsula. He also played a vital role in the discovery and definition of a huge Nickel Laterite Deposit in Sablayan, Mindoro Island during his worked stint with Mindex Resources and Crew Minerals. He started his career in 1987 with the Bureau of Mines and Geosciences, Region 05 and Region 08, as Geologist and then as Senior Geologist and concurrent Section Chief of the Environment Division

#### Assistant Secretary – MARIE IRIS VILLANUEVA-DUEÑAS



Marie Iris (AdU, BSc Geo 1989-1994) has a certificate on Photogrammetry (airphoto interpretation) from UP-Diliman.

She is presently Senior Geologist at Verum Terra Geophysics International Inc. Her previous employers include Elliott Geophysics International Pty Ltd, Philippine Bureau of Mines and Geosciences Bureau, Mindoro Resources Ltd.

#### Treasurer - ROGELIO G. CADANO



Roger (AdU, BSc Geo 1981) is presently technical services manager in the Taganito Mining Corp, where he is responsible for constructing and operating high pressure acid leaching process. He facilitates government requirements, coordinates with consultants and assists the

Vice President in technical aspects.

Roger was first employed by Rio Tuba Mining Corp (Rio Tuba, Bararaza, Palawan). There, he started as geologist trainee 1981 and ended up as head of Exploration Section in 2006. He then moved to Taganito Mining Corp to conduct exploration for laterites, which resulted in delineation of excellent quality and quality of nickel reserves and in the development of a mine. During development of that mine, Roger continued to handle the Geology Dept to delineate further the extent of the deposit. As exploration progressed during the development of the mine, Roger became the environmental manager and head of Geology Dept. His task then was to restore damages to the environment caused by the mining operation. This was one of his most challenging responsibilities, according to Roger. He was then re-sponsible for

answering any mining issues raised by anti-mining groups or NGOs. He also then handled the Social Development Management of the Taganito Mining Corp.

#### Councilor - ELIAS CORTEZ NACARIO



Eli (AdU, BS Geo 1977) has over 35 years of local and international experience in the fields of mineral exploration for both metallic and non-metallic minerals, development, mining both open cast and underground and geo-engineering projects. He started his career as staff geologist with the Mines and Geo-Sciences Bureau, Central Office and joined the Geology Department of Zambia, Africa as Senior Geologist. He was involved in the geological mapping, mineral deposit delineation and evaluation in both countries. After eight years in government service, he worked in various exploration and mining companies at senior and managerial level positions. Some of the major companies that Eli worked include Zambia Consolidated Copper Mines and Kagem Emerald Mines both in Zambia; Hagura Mining Corporation, Mozambique; Phelps Dodge Exploration Corp. and Sumatra Copper Gold Ltd. in Indonesia; Lotus Resources plc, Ulaanbaatar, Mongolia; Sacre-Coeur Minerals Ltd, Guyana, South America and Intex Resources Phil. Inc. At present he is the Vice President/Director of Oremet Corporation, a duly registered Exploration and Mining Geo-Services Consultants.

#### Councilor – JAMES P. LLORCA



James' areas of expertise are in mining and exploration geology, that includes geological resource modelling and estimation, resource auditing and due diligences, and is a Competent Person under the JORC code for a variety of deposit types.

James is a mining and exploration geologist with 28 years of practical experience in the industry. He has gained a diverse geological experience base including exploration, project assessment, feasibility, development, operations, project management and R&D studies. He has worked on various projects in Australasia, the Philippines, Indonesia, China, Zambia, and most recently in Malaysia covering commodities including precious and base metals, copper, nickel, iron ore, coal, mineral sands and alluvial diamonds.

James is currently the Principal Geologist for Natural Resources Industry Consultants, based in Melbourne, Australia.

#### Councilor – LEO S. DEIPARINE



A professional geologist with more than 30 years experience in mineral exploration in the Philippines, Myanmar, South Korea, Indonesia and Mongolia. Sufficient experience in mining geology, which included working as Mine Geologist in Atlas Cons. Mining Dev. Corp – Masbate (Aroroy) Gold Mine, Surigao Cons. Mining Corp. – Siana Gold mine and Lepanto Cons. Mine – Nayak / Palidan Au Project.





## Bylaws of the Adamson University Geology Alumni Association, Inc.

### ARTICLE I – Name

The name of this association shall be the “Adamson University Geology Alumni Association, Inc.” and it is hereinafter referred to either as the “Association” or “AdUGAA”.

### ARTICLE II – Purposes

Section 1. Purposes: The purposes of the AdUGAA are to:

- (a) engage exclusively in scientific and educational activities including but not limited to promoting and fostering the exchange and dissemination of information and ideas related to geology, mining, mineral economics, environmental and other related sciences;
- (b) encourage research and promote professional and public education in the aforementioned sciences;
- (c) assist in the advancement of the Adamson University Geology Academic Program;
- (d) develop and strengthen social and professional ties among its members and promote their collective interests;
- (e) provide for scholarships, researches, lectures, seminars, colloquia, conferences and other projects in the name of the Association by raising funds for such purposes as may be deemed necessary or advisable by the Association;
- (f) take necessary and proper measures for the promotion of the interests of the Adamson University Geology faculty, students and alumni; and
- (g) exercise rights, powers and attributes under and by virtue of the laws of the Philippines.

Section 2. Powers: The Association shall possess and exercise powers in connection with its purposes. Notwithstanding any other provisions of its Bylaws or its Articles of Incorporation, the Association shall only exercise powers and shall only engage in or carry out activities that make it eligible for exemption from income tax under the laws of the Philippines.

Section 3. Prohibited Activities: No part of the net earnings of the Association shall be inured, or be distributable, to the benefit of its Officers, its members and other private persons. The Association shall be authorized and empowered, however, to pay reasonable compensation for services rendered by individuals or corporations regardless of their capacity in which such individuals or corporations rendered services to the Association and, therefore, the Association shall make payments and distributions in furtherance of the purposes set forth in Article II of these Bylaws. No substantial part of the activities of the Association shall be devoted to propaganda against any person, organization or institution.

Section 4 Gifts, Contributions, etc.: The Association may seek gifts, grants, contributions, donations and bequests for any of the purposes set forth in Article II of these Bylaws. All funds received by the Association shall be dedicated to and invested solely for those purposes. The Council may establish guidelines for the acceptance or refusal of gifts, contributions, grants, donations, or bequests and the disbursement of funds by the Association in such manner as may, in the judgment of the Council, be consistent with the purposes of the Association.

Section 5 Non-discrimination: In the pursuit of its purposes and the exercise of its powers, the Association shall make its services and activities available to the community which it serves regardless of race, color, creed, gender and cultural or national origin.

### ARTICLE III – Incorporation/Offices/Records

Section 1. The Association is incorporated as a non-profit organization for educational and scientific purposes under the laws of the Republic of the Philippines.

Section 2. Principal Office: The Association may have a principal office and other business offices as its Council may designate. The current

principal office is located at the Mining, Geology and Ceramic Engineering Department, Ozanam Building, Adamson University Compound, 900 San Marcelino St., Ermita, Manila.

Section 3. Books and Records: The Council may keep its books and records in the principal office and other business offices as they may determine from time to time. The books and records shall be available at all reasonable times for the inspection by any member or Officer of the Association for any proper purpose except for securing information or copies thereof for economic gains or for using the same for a purpose other than in the interest of the applicant, as a member or Officer of the Association, relative to the affairs of the Association. Except as may be otherwise required by law, by the Articles of Organization, or by these Bylaws, the Association shall be entitled to treat the record address of a member or Officer of the Association as shown in its books as the address of such person for all purposes, including the giving of any notices, and it shall be the duty of each member or Officer to notify the Association of his or her latest post office address.

### ARTICLE IV – Membership

Section 1. Membership in the Association is a privilege, not a right, and is dependent on the applicant’s adequate demonstration to be able to comply with the requirements for membership as defined in these Bylaws and otherwise by the Council.

Section 2. Classification of Membership: The members of the Association are classified as follows:

- (a) Fellows;
- (b) Members;
- (c) Honorary Members; and
- (d) Student Members.

The Association does not distinguish membership on the basis of religion, national origin, gender or disability.

Section 3. Fellows: Any individual who graduated from the Adamson University with a B.Sc. degree in Geology is eligible to be a Fellow of the Association. Fellows shall have all privileges of the Association including, but not limited to, the right to vote, serve in Committees, hold office and serve in the Council.

Section 4. Members: Any individual who graduated from Adamson University a B.Sc. degree in other disciplines and who has applied for membership because he/she is willing to support the ideals, purposes and/or activities of the Association is eligible to be a Member of the Association. Members shall have all privileges of the Association but they do not have the right to vote and they can not serve in Committees, hold office nor serve in the Council. A Member who has been in good standing for five (5) consecutive years or have rendered exemplary services to the Association may, upon written sponsorship by two (2) Fellows of good standing and approval of the Council, be elevated to Fellow status.

Section 5. Honorary Members: Any individual regardless of Alma Matter or profession, who has exemplarily supported the ideals, activities, programs or projects of the Association, may, upon written sponsorship of two (2) Fellows of good standing and approval of the Council, be awarded Honorary Membership. Honorary Members shall have all privileges of Fellows except the right to vote, hold office or serve in the Council; although, at the discretion of the Council, they may serve in Committees.

Section 6. Student Members: Individuals who are students in Adamson University for B.Sc. degree in Geology, Mining Engineering or Ceramic Engineering are eligible to be Student Members in the Association. Student Members do not have the right to vote, they can not hold office nor serve in the Council, but they may assist in various programs, projects or activities of the Association. Upon graduation and upon the request of a Student Member, his/her membership status can be converted (a) to a Fellow if he/she holds a B.Sc. in Geology or (b) to a Member if he/she holds a B.Sc. in Mining or Ceramic Engineering, at the discretion of the .

Section 7. Admission to the Association: Applicants for any status of membership, except for Honorary membership, must submit an applica-

tion to the Association. Membership applications shall be reviewed by the Membership Committee of the Association and applications found to be good order shall be recommended for approval by the Council. Applicants shall be notified of their application results and all existing members of any status shall be notified of newly-approved members. Any existing member may oppose in writing to the Membership Committee and Council the eligibility of any newly-approved member. If, after thirty (30) days of notice to all existing members about newly-approved members, there is no written opposition, then admission to the Association is complete. Any written opposition to a newly-approved member shall be reviewed carefully by the Membership Committee who shall recommend to the Council either to cancel or uphold membership. The Council approves or disapproves, by a majority vote, the recommendation of the Membership Committee.

**Section 8. Emeritus Status of Membership:** Any member of the Association may, upon attaining the age sixty-five (65), request in writing to the Membership Committee to convert his/her membership classification to Emeritus status. Emeritus status of membership shall be granted at the sole discretion and by majority vote of approval of the Council. Emeritus Fellows and Emeritus Members shall have all privileges of Fellows, except the right to vote, hold office and serve in the Council, but, at the discretion of the Council, they may serve in Committees.

**Section 9. Suspension/Removal of Members:** Members of any classification may be suspended or removed from the Association for actions in violation of these Bylaws, the Articles of Incorporation of the Association or any other governing documents of the Association, including any rules or policies promulgated by the Association, or for actions that are deleterious to the purposes of the Association, actions that will bring dishonor to the Association, the profession, its Officers or any of its members. Reasons for suspension or removal must be presented in writing to the Secretary and signed by at least two (2) members. The Council shall study and investigate the nature of any such complaint, make a determination and report its findings in such manner as it deems appropriate under the circumstances. The member under complaint must be given an opportunity to be heard, either in writing or in person, before the Council as part of its investigation, and suspension or removal from the Association must be approved by vote of not less than two-third (2/3) of the Council. With respect to policies regarding the ethical conduct of its members, the Council may establish from time to time such rules or policies, including without limitation, procedures and policies for the discipline, suspension or removal of its members in breach of any such rules or policies, these Bylaws and the Articles of Incorporation of the Association.

**Section 10. Resignation from Membership:** Resignation from the Association shall be submitted in writing to the Secretary, who shall present the resignation to the Council at its next regularly-scheduled meeting.

**Section 11. Voting Rights:** Only Fellows in good standing shall be entitled to vote on all matters to be voted by the Association, including, without limitation, election of Officers as provided herein. Any matter to be decided by a vote of the Fellows shall, except as otherwise provided herein, be decided by majority vote of members present in person or by proxy at a meeting of the members.

**Section 12. Termination of Membership:** Membership of any classification shall cease in of the following cases:

- (a) Death;
- (b) Written notice of termination of his/her membership to the Council;
- (c) Failure to fulfill the requirements of membership as imposed in these Bylaws, the Articles of Incorporation of the Association or any other governing documents of the Association or otherwise by the , including failure to pay membership dues;
- (d) Failure to meet the eligibility requirements for such classification of membership as set forth in these Bylaws, the Articles of Incorporation or any other governing documents of the Association, or (e) suspension or removal by the Council as provided above.

**Section 13. Transfer of Membership:** Membership in the Association is not transferable or assignable by the member.

**Section 14. Dues and Fees:** Dues and fees shall be assessed on all applicable members on a calendar year basis in amounts set for each membership classification by the Council at its discretion.

- (a) Fellows and Members shall pay annual membership dues and registration fees to Annual Meetings of the Association.
- (b) Student Members shall pay reduced annual membership dues and reduced registration fees to Annual Meetings of the Association.
- (c) Emeritus members shall pay no annual membership dues but shall pay Fellow/Member registration fees to Annual Meetings of the Association.
- (d) Honorary Members shall pay no membership dues and no registration fees to Annual Meetings of the Association.

Any member who has paid the required annual membership dues shall be a member in good standing for such calendar year and they are entitled to all membership rights and benefits applicable to such membership classification. Any member in good standing, including Honorary Members, may choose to receive the Association's journal only upon payment of subscription fees.

#### ARTICLE V – Council

**Section 1. The Council:** The Council is the administrative and policy-making body of the Association and shall manage the affairs of the Association and shall perform all such acts as are necessary to fulfill such functions or as are required or permitted by these Bylaws or the Articles of Incorporation. The Council shall determine questions of policy, receive reports of committees and approve or disapprove their recommendations. The Council is empowered to enter into contracts and to authorize expenditures necessary for the Association. The Council shall be responsible for the implementation of appropriate procedures for conducting, reviewing and accepting the annual audit of the Association. Ministerial and administrative functions of the Council may be delegated to a Business Manager as stipulated in Section 10 of Article V.

**Section 2. Composition of the Council:** The Council shall be composed of Officers consisting of a President, a Vice President, a Secretary, a Treasurer and five (5) Councilors. The Officers must be members in good standing and citizens of the Republic of the Philippines. The Council shall be responsible for all matters related to the proper operation of the Association. All Officers shall disclose any conflict of interest in accordance with such Code of Ethics or other procedures against conflict of interest as may be in effect from time to time.

**Section 2. The President:** The President shall be the chief executive officer of the Association and shall perform all duties incidental to that position. The President shall preside at all meetings of the Association and shall serve as ex-officio member of all committees. The President shall, subject to the approval of the Council, shall appoint members of the Association to fill-in interim vacancies in any committee of the Association and Editor-in-Chief of the Association's Journal. The President will be installed at the Annual Meeting of the Association coinciding with expiration of the term of an outgoing President.

**Section 3. The Vice President:** The Vice President shall perform the duties of the President in the absence or incapacity of the President, shall become President if the office of the President becomes vacant, and shall perform such other duties as may be assigned by the President or the Council. The Vice President shall also serve as ex-officio member of all committees.

**Section 4. The Secretary:** The Secretary shall be the keeper of books and records of the Association, shall be responsible for taking minutes at all Council meetings and shall have the power to delegate that function and shall conduct correspondences and perform all duties pertaining to the office of the Secretary. The Secretary shall, if the need arises and subject to the approval of the Council, be responsible for the preparation of necessary documents and instruments required by the Security and Exchange Commission, government and/or private entities.

**Section 5. The Treasurer:** The Treasurer shall be in direct charge of the funds of the Association and shall be responsible for the management of revenues and payment of obligations of the Association. The Treasurer shall make expenditures as are authorized by the Council. At the annual business meeting of the Council and the Association, the Treasurer shall present an oral and written report of the receipts and expenditures of the funds of the Association.

**Section 6. Succession:** Succession from Vice President to President shall be automatic and the succession shall occur at the close of each annual business meeting of the Association. In the event that the President dies, resigns or is removed from office, the Vice President shall hold office as President thereafter for the remainder of such term. In the event of the death, resignation or removal of the Vice President, the Secretary or the Treasurer, the Council shall appoint a member in good standing to fill-in such vacancy on an interim basis as soon as practicable. The person filling-in for such vacancy shall serve in such capacity until the next regularly-scheduled election of Officers, during which an election shall be held for any unexpired portion of the original term of such office.

**Section 7. Term of Office:** The duration of the term of each Officer is two (2) years, but the Vice President serving an unexpired term of the President on account of vacancy may serve a full term of two (2) years immediately thereafter. Any of the past Officers shall be eligible for re-election.

**Section 8. Compensation:** Officers shall serve without compensation. The Association shall, nevertheless, reimburse expenses incurred by Officers in attending meetings and conducting activities on behalf of the Association.

**Section 9. Removal:** Any Officer may be removed from office with cause by a majority vote of Fellows. The Council may, at its discretion, remove any Officer who fails to attend three (3) consecutive council meetings.

**Section 10. Business Management:** The President, with the approval of the Council, may engage an individual or a company as a Business Manager for the Association. The functions of the Business Manager will involve matters relating to administration, logistic, membership, fiscal and meetings as so required. The details of the functions of the Business Manager and the fees and expenses associated with its services shall be defined in a contract. The initial term of the contract shall be one (1) year, with provisions for renewal as may be mutually agreed upon. The contract shall also set forth the basis and process for discontinuation of services. The individual or the representative of the company acting as Business Manager may attend Council meetings and other meetings, with representation determined to be necessary and appropriate by the Council. The Business Manager does not have any voting power. The Business Manager will be bonded if so required by the Council.

#### ARTICLE VI – Council Meetings

**Section 1.** The Council shall meet annually at the time of the Annual General Meeting of the Association. Special council meetings may be called at any time by the President or any five (5) Officers and may take place by electronic means as provided in these Bylaws. A majority of the Officers shall constitute a quorum for the transaction of business. Official actions may be taken during regular and special council meetings.

**Section 2. Notice of Council Meetings:** Notice of any council meeting shall be made by the Secretary to every Officer not more than fifteen (15) days but not less than ten (10) days before the meeting by mailing or transmitting by facsimile or other electronic means. Such notice may be waived by any Officer. Unless required by these Bylaws or applicable law, neither the businesses to be transacted nor the purposes of any annual or special meeting of the Council need to be specified in the notice or waiver of notice of such meeting. At any council meeting attended by all of the Officers, any business may be transacted, notwithstanding the lack of due notice of such meeting.

**Section 3. Quorum:** At any council meeting, a majority of the number of Officers then in office shall constitute a quorum for the transaction of any business of the Council, except as may be otherwise provided by these Bylaws, the Association's Articles of Incorporation or any applica-

ble law. If the number of Officers necessary to constitute a quorum shall fail to attend at the time and place fixed for any annual or special council meeting, the Officers in attendance may adjourn without notice or other announcement at the meeting until the required number of Officers to constitute a quorum is attained.

**Section 4. Manner of Acting of the Council:** The act of a majority of the Officers present at a meeting, at which a quorum is attained, shall be the act of the Council unless the act of a greater number is required by these Bylaws, the Association's Articles of Incorporation, or any applicable law.

**Section 5. Action of the Council without a Meeting:** Any action required or permitted to be taken at any meeting of the Council may be taken without a meeting, if consent in writing setting forth the action so taken is signed by all of the Officers.

**Section 6. Council Meetings by Electronic Means of Communication:** To the extent provided in these Bylaws, the Council, or any committee of the Council, may, in addition to conducting meetings in which each Officer participates in person, and, notwithstanding any place set forth in the notice of the meeting or these Bylaws, conduct any regular or special meeting by the use of any electronic means of communication, provided that (a) all participating Officers may simultaneously hear each other during the meeting or (b) all communication during the meeting is immediately transmitted to each participating Officer and each participating Officer is able to immediately send messages to all other participating Officers. Before the commencement of any business at a meeting at which any of the Officers does not participate in person, all participating Officers shall be informed that a meeting is taking place at which official business may be transacted.

#### ARTICLE VII – Annual General Meeting

**Section 1. Annual Meeting:** The Association shall hold a general meeting every 3rd week of December each year. The business portion of such annual meeting shall include the election of Officers, unless such election has previously been conducted for such year by written ballot in accordance with these Bylaws and applicable law, and the transactions of such other businesses as may come before the annual general meeting. The place, date and time of the annual general meeting, as well as all its component meetings and events thereof and the agenda of businesses to be conducted thereat, shall be determined by the Council. Each annual general meeting may include a scientific meeting and a business meeting. The Association may undertake to hold its annual general meetings in different geographical locations within the Philippines as decided by the majority of its members, so as to ensure geographical balance to the extent feasible.

**Section 2. Order of Business:** The order of business at the annual general meeting of the Association shall be as follows:

- (a) Proof of the required notice of meeting;
- (b) Proof of attendance of members;
- (c) Reading of the minutes of previous meeting and action taken thereon;
- (d) Unfinished business;
- (e) New business;
- (f) Election of Officers.

The order of business at any meeting may be changed by a majority vote of the members present thereat.

**Section 3. Special Meetings:** Special meetings of the members may be called by the President or, upon written request from not less than ten percent (10%) of members in good standing, by the Secretary. In case of the latter, upon delivery to the Secretary of a written request, which states the purpose(s) of the requested meeting, dated and signed by the persons entitled to request such meeting, the Secretary shall give, within fifteen (15) days after such delivery, notice of such special meeting to the members of the Association.

**Section 4. Notice of Meetings:** Written or printed notice stating the

place, day and hour of any meeting of members shall be signed by the President or the Secretary and shall be delivered either personally or by mail, to each member entitled to vote at such meeting, not less than fifteen (15) days nor more than thirty (30) days before the date of such meeting. In case of a special meeting or when otherwise required by statute or by these Bylaws, such notice shall also include the purpose or purposes for which the meeting is called. In the case of a special meeting, no business other than that specified in the notice of such meeting shall be transacted at any such meeting except by the consent of all the members present at such meeting. If mailed, the notice of a meeting shall be deemed to be delivered when deposited in the mail addressed to the member at his or her address as it appears on the records of the Association, with postage thereon prepaid. Any rules governing the submission, selection and presentation of papers at the scientific portion of a general membership meeting of members as may be established by the Council from time to time shall be announced in the notice of such annual meeting.

**Section 5. Conduct at Meetings:** All meetings of the members of the Association shall be conducted in accordance with Robert's Rules of Order.

**Section 6. Action of Members without a Meeting:** Any action to elect Officers may be taken without a meeting if the Association delivers a written ballot by mail or electronic means to every member entitled to vote on the matter. Such ballot shall set forth such election and provide an opportunity to vote for or against such election. Approval by ballot under this section shall be valid only when the number of votes cast by ballot exceeds the majority of the voting members authorizing the action and the number of approvals equals or exceeds the number of votes that would be required to approve the matter at a meeting at which the total number of votes cast was the same as the number of votes cast by ballot. A solicitation for votes by ballot shall include all of the following:

- (a) the number of responses required to meet the majority number of votes;
- (b) the percentage of approval necessary; and
- (c) the time at which a ballot must be received by the Association in order to be counted. A written ballot may not be revoked.

**Section 7. Proxies:** At any meeting of members, a member entitled to vote may vote by proxy executed in writing by the member or by his/her duly authorized attorney-in-fact. No proxy shall be valid after eleven (11) months from the date of its execution, unless otherwise provided in the proxy.

#### ARTICLE VIII – Election of Officers

**Section 1. Nominations:** Nominations of candidates for Officers shall be made by the general membership. At least six (6) weeks prior to the Annual General Meeting of the Association, the Secretary shall send, by any communication means, invitations to the members for nominations for a general election or any vacant post when so required. No one shall be eligible to be an Officer unless he/she is a member with voting rights and is of good standing at least ten (10) weeks before the annual meeting.

**Section 2. Elections:** The Secretary shall send to every voting member, not less than two (2) weeks before the annual meeting, a ballot listing all nominees. Fellows shall be entitled to one vote per vacancy in the Council, and they may vote either in person, by mail, proxy or electronically. So that votes are counted, filled-in ballots must be returned to the Secretary or his/her designee by not later than the date indicated on the ballot, which shall be at least one (1) week before the annual meeting. E-mailed votes shall be sent to a designated address. Nominees shall be elected by plurality vote of the Fellows. Immediately after their election, the Officers shall elect among themselves a President, a Vice-President, a Treasurer, and a Secretary. All elected Officers shall take office immediately following their election.

**Section 3. Election Committee:** In order to ensure transparency during the nomination and election procedures, an ad-hoc Election Committee shall be formed by the Secretary. Part of the function of the Election

Committee is to designate an email address where to receive e-mail votes and to ensure that the contents of the ballots remain confidential until the official counting. The ad-hoc Election Committee shall be composed of three (3) individuals from the general membership appointed by the President with the concurrence of the Council.

#### ARTICLE IX – Committees

**Section 1. Standing Committees:** The Association shall have such standing committees as the Council shall deem necessary or appropriate in order to carry out the policies, programs, procedures and other actions of the Association. Such standing committees may include committees for:

- (a) Membership;
- (b) Internal Affairs;
- (c) External Affairs;
- (d) Awards and Recognition;
- (e) Programs and Publication;
- (f) Ethics and Regulatory;
- (g) Finance, Ways and Means; and
- (h) Election.

The Council may from time to time, at its discretion, also establish, designate and appoint such other committees to carry out such policies, programs and actions as the Council may from time to time deem appropriate or helpful to advance the purposes or activities of the Association. Any such resolution or policy establishing such committees shall be communicated by the Council to the members as soon as practicable after such establishment. The Council may determine the terms of any committee membership, which shall be arranged so as to permit staggered terms. The Council shall establish functions, membership and other procedures for all committees; provided, however, that, unless otherwise specified herein or by the Council, the chairpersons and members of the standing committees shall be appointed by the President with the approval of the Council.

**Section 2. Scientific Committee:** The Council may also establish a Scientific Committee, the purpose of which shall be to recommend to the President programs for symposia to be held at the Annual Meeting or any other meeting or function of the Association. The Scientific Committee may be established directly by the Council stating the aim of such proposed Scientific Committee. The Council shall be responsible for determining the areas of responsibility, membership, leadership and other procedures and characteristics of such committee, which shall be designated as the "Scientific Committee of Adamson University Geology Alumni Association".

**Section 3. Editor-in-Chief:** The Editor-in-Chief of the Association's Journal shall be responsible for scientific content of the journal, editorial policies, budget and management including selection of Associate Editors, Editorial Board, and Managing Editor subject to the oversight by the Publication Committee and the Council. The Editor-in-Chief shall be elected by a majority vote of the Council. The Editor-in-Chief shall serve only one five-year term. The Editor-in-Chief may not be nominated or serve concurrently as an Officer of the Association.

#### ARTICLE X – Indemnification, Non-liability and Insurance Provisions

**Section 1. Non-liability of Officers:** The Officers shall not be personally liable for the debts, liabilities, or other obligations of the Association.

**Section 2. Indemnification by Association:** The Association shall be, to the fullest extent, authorized or allowed by the Law to indemnify any Officer, employee or agent of the Association and their respective heirs and personal representatives, against the following:

- (a) Any and all liability, judgments, fines and amounts paid in settlement actually and reasonably incurred by any of them in connection with any actual or threatened action, suit or proceeding, whether civil, criminal, administrative or investigative, or in connection with any appeal therein, or otherwise.

(b) Any expenses (including attorneys' fees and other experts' fees and disbursements) actually and reasonably incurred by any of them in connection with the defense or settlement of any action or suit by or in the right of the Association or in connection with any appeal or otherwise; and no provision of the Bylaws shall be construed as limiting, denying, prohibiting, or abrogating any of the general or specific powers or rights conferred under the Law now or hereafter in effect.

Expenses so incurred by any persons in defending a civil or criminal action or proceeding shall likewise, at their request, be paid by the Association in advance of the final disposition of the action or proceedings to the full extent that advancement of expenses may be lawful under the law. These indemnification rights shall not be deemed to exclude any other rights to which the Officers, employee or agent may otherwise be entitled.

**Section 3. Insurance for Association Agents:** The Council may authorize the purchase and maintenance of insurance on behalf of any of its Officers, employee or other agent of the Association against liabilities asserted against or incurred by such person in such capacity or arising out of the person's status as such, whether or not the Association would have the power to indemnify the person against such liability under the Articles of Incorporation, these Bylaws or any provision of applicable law.

**ARTICLE XI – Distribution on Dissolution**

Upon dissolution of the Association for any reason, the Council shall, after paying or making provisions for the payment of the Association's liabilities, if any, dispose of all the corporations' assets exclusively for the purposes of the Association in such manner as the Council shall determine, or to such organization or organizations organized and operated exclusively for charitable, educational, scientific purposes as shall at the time qualify as an exempt organization or organizations under present or future proviso of applicable Internal Revenue Law of the Philippines, as the Council shall determine. This Article may not be amended by the Association's members or the Council except as may be necessary to conform to applicable law.

**ARTICLE XI – Miscellaneous**

**Section 1. Association Trademarks:** No member may use the Association's name, logo or trademark(s) for personal, commercial purposes or funding purposes without prior approval of the Council.

**Section 2. Seal:** The Association shall have as a seal its adopted logo as shown in Annex A.

**Section 3. Fiscal Year:** The fiscal year of the Association shall commence on January 1 and ends on the 31st December of the same year.

**Section 4. Execution of Instrument:** All deeds, leases, transfers, contracts, bonds, notes and other obligations authorized to be executed by an Officer of the Association on its behalf shall be signed by the President cosigned by the Treasurer, except as the Council may generally or in particular cases otherwise determine.

**Section 5. Voting Beneficial Interests:** Except as the Council may otherwise designate, the President or Treasurer may waive notice of and act on behalf of the Association, or appoint any person or persons to act as proxy or attorney-in-fact for this Association (with or without discretionary power and/or power of substitution) at any meeting of members or beneficial owners of any other corporation or organization, any of the direct or indirect beneficial interests of which may be held by the Association.

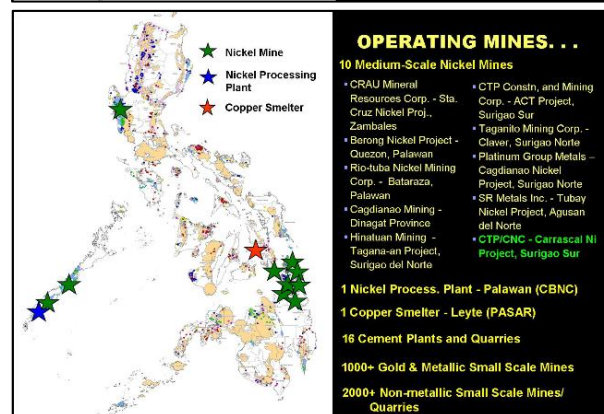
**Section 6. Power to Contract with the Association:** In the absence of fraud, no contract or other transaction between the Association and one or more members of the Association or Officers, or between the Association and any other corporation or other organization in which one or more members of the Association or Officers are stockholders, member, or Officers, or otherwise interested shall in any way be affected or invalidated, even though the vote or action of the members of the Association or Officers having such interests (even if adverse) may have been necessary to obligate the Association upon such contract or transaction;

provided, however, the nature of such interest (though not necessarily the extent or details thereof) shall be disclosed to the Council; and no member of the Association, Officer having such interest (even if adverse) shall be liable to the Association, or to any creditor thereof, or to any other person for any loss incurred by it under or by reason of such contract or transaction, nor shall any such member of the Association, or Officer be accountable for gains or profits realized thereon, or be disqualified from serving or continuing to serve as a member of the Association or Officer thereof, if the notice required herein has been given.

**ARTICLE XII – Amendments**

Amendments to the By-Laws may be initiated by the Council or by a petition signed by ten (10) or more Fellows. Proposals for amendments shall be given to the By-Laws Committee (or such other committee having equivalent duties as may exist from time to time) for consideration. Not later than six (6) months after its receipt of such proposal, said Committee shall recommend to the Council whether such proposal should be approved and, if it recommends approval, it shall deliver proposed amendments to the Bylaws effectuating such proposal for consideration by the Council. The Council shall consider such proposal and, if applicable, such proposed Bylaw amendments and approve or disapprove of same. If the Council approves such proposed Bylaws amendments, such proposed amendments shall be submitted to Secretary of the Association not less than sixty (60) days before the next Annual Meeting of Members of the Association, whereupon the proposed Bylaw amendments shall be submitted to the Fellows in good standing of the Association for a vote on approval thereof according to the same procedures as those applicable to other matters submitted to members for a vote thereon, except as otherwise prohibited in these Bylaws; provided, however, that the affirmative votes of not less than two-thirds (2/3) of the Fellows are gathered either by electronic means, proxy or physically present at the General Membership meeting of Members shall be required to approve any such proposed Bylaw amendment. The Secretary shall report the results of such vote to the President promptly after such vote is completed and the President shall thereafter promptly transmit the results to the membership, at which time such Bylaw amendments shall become effective.

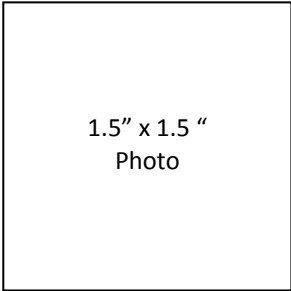
From: Philippines Mines & Geosciences Bureau





Adamson University Geology Alumni Association, Inc.

MEMBERSHIP APPLICATION FORM\*



MEMBERSHIP CATEGORY (see Article IV of our Bylaws):

- Membership options: Fellow, Member, Honorary Member, Student Member, New Application, Renewal

PERSONAL INFORMATION

Ms./Mr./Dr. Last Name, First Name, Middle Name

Nickname: Date of Birth (Month, Day, Year)

Home Address:

Home Phone Number: Mobile Number(s):

Email Address: Alternate Email Address:

Company/Institution:

Company/Institution Address:

Affiliation(s):

EDUCATION

Table with columns: University and Location, Years (From to), Degree

PROFESSIONAL EXPERIENCE

Table with columns: Period (From to), Position, Company

Specialization:

Signature:

\*Send a scanned copy of your completed application form to Ms. Gemselle Nagrama (gem\_nagrama@yahoo.com).