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## Spotlight on Student Sections

### **Kyiv University Geophysical Society**

With the encouragement of Michael Burianyk, GAC country representative for Ukraine, in February 2002 we founded the first Ukrainian SEG student section. Our student section—Kyiv University Geophysical Society—operates out of the Department of Geophysics of the Geological Faculty of the Kyiv Taras Shevchenko National University in the capital of Ukraine—historical Kyiv (1523 years old!)

Ten students, chosen on the basis of their academic work, received SEG student memberships which included subscriptions to *GEOPHYSICS* and *TLE*. The membership enables the students to become familiar with new research in geophysical science and its practical application across the world.

Recently, our student section received \$2000 from GAC's PCs for the students program (which is funded by the SEG Foundation). With that money we acquired a computer with CD-RW, a color laser printer, scanner, and digital camera. This equipment gives the students in our section many new possibilities for work and study.

In particular, the computer gives the students easier access to the internet. In addition, software can be installed on the PC for geophysical data processing and analysis. This will, undoubtedly, advance the knowledge and skills of the students in geophysical analysis and interpretation in ways that were not earlier possible. The ability to record on CD-RW allows us to create presentations for course work and diploma theses as well as for

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Society of  
 Exploration  
 Geophysicists

[students@seg.org](mailto:students@seg.org)

2004  
Calendar of Events

April 22 - 24  
OU Student Expo  
University of Oklahoma  
Norman, Oklahoma

May 18 - 24  
AGU Joint Assembly  
Montreal, Canada

October 10-15  
SEG International  
Exposition and Seventy-  
Fourth Annual Meeting

October 17-18  
AAPG/SEG Student  
Expo  
Rice University  
Houston, Texas

## Thoughts from the SS/AL Chair Your Student Section Meetings

*Doug Wyatt, SS/AL Chairman*

How much fun was your last Student Section meeting? When was your last Student Section meeting? If your answer to the first question was “not much” and the answer to the second question was “I can’t remember,” then we need to talk!

First, I want to encourage you to hold monthly Student Section meetings. Meeting once a month allows you the opportunity to develop a program and plan for section events. Most of your sections are within a department or university where each of you are close enough to your fellow students to meet regularly.

Second, make sure you hold elections and have designated section officers. Your officers, along with your section advisor, can plan your meetings and designate roles and responsibilities. Having designated roles and responsibilities makes everybody’s life easier and allows all to participate.

Third, develop a routine meeting plan. Having a known plan or agenda for each meeting makes things easier, especially when you have a busy schedule. During your meeting discuss business, activities going on in the scientific, engineering, and geophysical world, plan for your next meet-

ing, plan social events, have a guest speaker, etc. You can often find guest speakers traveling near your university by checking the SEG Web page. You can also request speakers from the AAPG, SPE, AGU, AGI and GSA. Remember that many topics impact our science so do not be afraid to ask economists, engineers, politicians and policy advisors, biologists, archaeologists, mathematicians, physicists, astronomers, practically anybody to speak. In some ways any topic might benefit our chosen science. Often, a speaker may be available in another department on your campus. A fifteen minute talk can be as beneficial as a one hour talk; it depends on what you want. Serve refreshments - cookies, juices, soft drinks (hard drinks?) whatever is available. The simple adage ‘keep it simple, make it fun’ will always work.

Please send us your meeting results and we will post it on our web page and include it in the Anomaly. We want to know what our sections are doing and I know that other sections want to know what your section is doing. We want to know what you want us to do for you. Remember, we are here for you. We are the STUDENT Section/Academic Liaison committee!

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### *Kyiv University Student Section continued*

simple geophysical discussions. The scanner allows quick entry of raster materials and text for subsequent translation of papers into different languages. The digital camera will be used for acquiring images of geologic objects and for recording the work of our student section, meetings with visiting geophysicists and scientific conferences. The color laser printer allows us to design graphics of high quality for journal submissions, for posters at conferences, and for creating material outlining the work of the section.

Thanks to the new equipment furnished by SEG, the possibilities available to the section and information about it will be multiplied. It will intrigue other students and will increase the visibility of geophysics and SEG.

Currently, earth sciences are not experiencing the best of times in Ukraine. The research journals grow thin, the geophysical industry is slow in catching up to world standards, geophysical departments of exploration and development companies are shrinking, and young people are reluctant to study earth sciences. The necessity to reform our geoscientific industries is clear and it depends on increased financing and also on

improved training of personnel for these industries. Therefore, thanks to SEG’s support, students now have greater possibility to study the development of geophysics in the whole world and to find information, contacts, people, grants, internships and, even, employment. It is especially important in a time of rapid globalization.

In 2004 we will celebrate the 60th anniversary of the Department of Geophysics and the 170th anniversary of Kyiv University; therefore the gift to the student section is very appropriate.

We thank the members, employees, and committee volunteers of SEG, GAC, and Michael Burianyk in particular for this very real help, economically and scientifically, to the University of Kyiv SEG student section.

—PAVLO GRYSCHUK  
Student SEG faculty advisor  
Geological Faculty

—ANDREY TYSCHENKO  
Student Section president

## *Student section and lectures at local universities*

# **Mapua Institute of Technology Geophysical Society - Philippines**

*Lawrence M. Gochioco, TLE Editorial Board and GAC country representative*

SEG's Global Affairs Committee (GAC), which has been very energetic about increasing the number of "international" student sections, approved the first Philippine student chapter in 2003. Gil Cardiel, dean of the School of Earth and Material Science and Engineering at Mapua Institute of Technology, played a major role in motivating his geotechnical and geoscience students to establish a local geophysics chapter.



*Gil Cardiel, dean of the School of Earth and Material Science and engineering at Mapua Institute of Technology (left, and Lawrence Gochioco (right) pose with Mapua's geotechnical and geoscience students.*

My two-week working vacation (22 November to 8 December 2003) coincided with a government-sponsored Energy Week. Some government agencies and local universities promoted Energy Week by inviting special speakers and companies to talk and display their products and technologies. When they learned of my travel plans, I was invited to lecture at Ateneo de Manila University and Mapua on the topic of Geophysics and the World Energy Outlook. I attempted to provide a balanced view of the projected world energy requirements between the present and the year 2020 and the role advanced technologies will play in discovering and exploiting the necessary natural resources to meet the demand. Each lecture was followed by an open Q&A forum to generate debate and discussions.

The Manila Observatory has been directed by the Philippine government to conduct extensive environmental studies associated with population growth, resource usage and management, deforestation, soil erosion, air and water pollution studies, etc. This work relies heavily on remote-sensing technologies via satellites, and I took advantage of my

lecture invitation to meet with some department heads to discuss other geophysical methods—such as electrical resistivity, ground-probing radar, ground conductivity, magnetometer, high-resolution seismic, microseismic—that can enhance their environmental research.

I am happy to report that, at least in part as a result of my visit, discussions are under way with faculty members and students at the University of the Philippines to form another student chapter.

*The full article can be found in the March 2004 issue of THE LEADING EDGE.*

*Corresponding author: lgochioco@gxt.com*

Suggested reading. "Growth opportunities in the Philippine natural gas industry" by Bomasang and Gochioco (TLE, 2002). "The Manila Observatory: Cradle of early Philippine geophysics" by Gochioco (TLE, 1998). "A new era dawns in the Philippine energy industry" (PetroMin, 2001) and "A history of the Philippine O&G industry" (PetroMin, 2001).



Would you like  
to see your school  
highlighted in an  
issue of the  
**Anomaly?**

Submit articles,  
additions, and  
pictures  
(lots of pictures)  
to:

Tonia Gist  
students@seg.org

Anomaly to be  
posted to the web  
in March, June,  
September and  
December.

**Next deadline is  
May 21st**

## Student Section Guidelines

- ✓ Universities must have 10 student participants and one faculty advisor to qualify for a student section.
- ✓ Write a letter to the SEG President stating your wish to form a student section, listing the names and addresses of the students and faculty advisor wishing to organize the section, and identifying the names of the elected officers (i.e. President, Vice President, Secretary, Treasurer).
- ✓ Create a Student Section Constitution.

<http://students.seg.org>

## *Student volunteers play a key role in Moscow 2003* **Moscow State University Geophysical Society**



Students from the SEG Section of Moscow State University and officials from ExxonMobil at the SEG/EAGO/EAGE Moscow 2003 Conference.

The SEG student section at Moscow State University was highly involved with events at the Moscow 2003 conference. Led by Roman Pevzner, president of SEG student section, and Daria Tetukhina, vice president, along with SEG student advisor Mikail Tokarev, activities included volunteering at the registration desk, helping with the technical sessions, manning a student booth promoting chapter activities, and organizing a student technical session. Volunteers were recognized for their efforts at a well-attended student reception sponsored by ExxonMobil on Tuesday evening at the university. Student volunteers played an important role in the overall

success of the Moscow conference. Currently, the students from MSU are preparing for a Young Scientists Satellite Conference at the end of April 2004 sponsored by Geomodel. Main themes for it will be new technologies in explorational seismics, data processing and interpretation, borehole seismics, and logging. For more information on the conference, contact Roman Pevzner at [pevzner@radexpro.ru](mailto:pevzner@radexpro.ru).

—DAVID PITCHER, Moscow 2003  
Organizing Committee  
ROMAN PEVZNER, President SEG Student  
Section MSU

## *New SEG Student Section* **National Geophysical Research Institute (NGRI) Geophysical Society - India**

The fifth biannual conference and exhibition of the Society of Petroleum Geophysicists (SPG) India was held 15-17 January 2004 at the southern Indian city of Hyderabad. The conference, cosponsored by India's Oil and Natural Gas Corporation (ONGC), SEG, EAGE, and several other organizations, had the theme "Geophysics: Leveraging technologies for E&P business." The 800-plus delegates from 19 countries included prominent geophysicists from India, China, Europe, and North America. SEG was represented by president Peter Duncan, past-president Brian Russell, and Mrinal Sen (Technical Program Committee representative).

Student participation (mostly from India and a few from U.S. universities) was specifically encouraged by the organizers via the inclusion of two special student sessions. In the first, students freely exchanged views and concerns. Nimisha Vedant from National Geophysical Research Institute presented "Denoising signals using wavelet trans-



forms" which was chosen as the best student paper and earned a gold medal. The second student session included a quiz in which teams from all Indian universities participated. Robert Ferguson (University of Texas-Austin) served as the judge. The team from Kurukshetra University won the gold medal.

## SEG Student Members & Sections Rock Kids' World! "Rocks From Around the World"



The Geoscience Center is participating in Kids' World, which is the largest children's festival in the Southeast United States. Kids' World Mission is, "To promote understanding and peace by creating an inspiring, entertaining and educational international children's event which increases tolerance and appreciation of all cultures."

**Kids' World** reaches children as they are developing opinions about their place in the world, before they establish prejudices or fears about what they do not know. All of the activities are designed especially for kids. From Italian mask making to Japanese origami paper art to communicating with Israeli kids via the Internet, Kids' World puts the excitement of the world in children's hands.

For SEG's "Rocks from Around the World" hands-on activity  
**We Need Your Help!**

- ✓ Donate a rock from your country, province, or state
- ✓ Identify the rock
- ✓ Identify the location where the rock was/is found
- ✓ Identify uses of the rock (if applicable)

**Deadline is May 1, 2004**

Send the rock and a photograph of your student section or university to:

SEG  
Attn: Susan Henley  
8801 S. Yale  
Tulsa, OK 74137

This is a "Hands On" event. We will display the rock, description, country flag or sticker, and photograph at Kids World. This would then become a part of the Geoscience Center Museum's permanent collection.

For more information about Kids' World visit their web site at:  
<http://www.kidsworldtulsa.org/kidsworld2002/index.html>

Questions? Contact Susan Henley, Geoscience Center at [shenley@seg.org](mailto:shenley@seg.org)

SS/AI Committee Outreach

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## **SEG has waived Continuing Education fees for students!**

### **Dr. Paul Weimer presents the 2004 DISC**

The Distinguished Instructor Short Course (DISC) is a state-of-the-art course in a leading topic in the geosciences. This year's DISC, taught by Dr. Paul Weimer of Colorado University, is titled "Petroleum Systems of Deepwater Settings." This course deals with the geology and geophysics of rocks deposited in deepwater settings. Dr. Weimer has published extensively on this topic, and is a leading expert in the field.



At the request of both the Continuing Education and SS/AL committees, the SEG Executive Committee has agreed that SEG Student Members not be charged the US \$35 fee to attend. Although sections may still charge students a small fee to help cover the cost of venue, refreshments, lunch, etc., SEG strongly encourages host sections to waive all fees for students to attend the DISC. So, when the DISC comes to your area, spend the day learning about a topic of current interest to the industry from an industry leader!

### **William L. Abriel, SEG Spring Distinguished Lecturer**

William L. Abriel is presenting the SEG Spring 2004 Distinguished Lecture around the world. His one-hour talk, titled "Earth Model Complexity and Risk Description in Resource Exploration and Development," deals with the balance between simplifying data collection and analysis, thereby lowering cost, and adequately imaging the complexity of reservoirs to maximize production. Overly simplifying an investigation often leads to a wrong answer, but one that is believed to be correct.



SEG does not charge to attend the Distinguished Lecture; although sections may charge a small fee, most sections have student discounts. When the Distinguished Lecture comes to a location near you, attend. Also, for the first time, we will broadcast William Abriel's Distinguished Lecture live over the Web twice during his tour. The first time will be April 22, from California, USA. The second will be from Australia. When the arrangements are finalized they will be posted on the SEG Professional Development Website (<http://ce.seg.org>).

**<http://ce.seg.org>**

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Have a Question about Student  
Membership or Section Benefits?

Contact:

Tonia Gist, SEG Student Affairs  
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[students@seg.org](mailto:students@seg.org) • 918-497-5574