



Everglades Geological Society

BULLETIN

Volume 8, Number 7

March 2002

Meeting This Month: March 19, 2002
6:00 P.M. at the French Connection Cafe
(social hour starts at 5:00)

Speaker: Tim Miller
Personic Corporation

Topic: The SONIC Drilling Method

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Everglades Geological Society
P.O. Box 61684
Fort Myers, FL 33906

The Everglades Geological Society is an organization which seeks to promote interest in and understanding of Geology and the related Earth Sciences, and to provide a common organization for those individuals interested in geology and the related earth sciences. The Bulletin is a publication of the Everglades Geological Society, Inc.

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EGS MEETING THIS MONTH
TUESDAY
March 19, 2002

The French Connection Cafe
2288 First Street (at Jackson Street)
Fort Myers, Florida
(941) 332-4443

Members Come Join Us!

This year's lineup of guest speakers has been arranged thanks to our Vice-President, Amy Tobias.

DATE	SPEAKER	TOPIC
3/19/02	Tim Miller Personic Corporation	The Sonic Drilling Method
4/16/02	Sarah Kruse USF, Tampa	Ground Penetrating Radar
5/21/02	Michael Duever SFWMD	Hydrologic Concerns for Wetland Protection

March Canoe Trip Had Good Weather and Water in The River! Fossils Were Found. Good Times Were Had.
(see page 6)

~ ANNUAL DUES ~
BRING MONEY TO MEETING

Hi EGS members,

Spring Break is here and the tourist season is in full automotive bloom. I hope each of you can maintain the necessary patience to get through this lovely time of the year!

Sorry, I did not address the bulletin last Month. I was going through a very sad time with my family and time just slipped away from me. Thank you for your warm and welcomed sympathy on the passing of my dad. I had a chance to spend some quality time with him before the cancer he had took him away.

Tom Scott was our guest speaker at our last meeting. His talk touch on many water resource-related issues in our state, and distributed revised copies of Special Publication No.49, 'Geology and Hydrology of Lee County, Florida'. One of the themes I got from his talk was the fact that " we in the water related business" will have jobs. Tom also mentioned his crew, who has put together a very nice open file report- 'First Magnitude Springs of Florida'. To Harley, Ryan and Rebecca, the authors, our rock hammers are in the air saluting you. I am still gloating over the shark's tooth I found with Tom and Harley during our recent field trip to the Panhandle.

Our shirts are in and they look very nice! Amy, again, you did a fantastic job finding the right person to do the printing work.

If you would like to own or buy a few for others, we still have a few left. They are \$15.00 and worth every penny! For those members that are sporting the threads, please do not hesitate to ask others to buy these shirts! If these run out, we can purchase more.

I would like to thank Dan Acquaviva for representing us with the American Association of Petroleum Geologists (AAPG) for the last few years. Even though he is stepping down, his devotion to EGS goes without saying and we all have certainly benefited from his efforts. Clyde Dabbs has been unanimously voted in as our new representative to AAPG. Clyde, on behalf of EGS, thanks for taking up the charge as our representative.

Tim Miller of Prosonic Corporation will give a talk on SONIC drilling. This is one of the latest drilling advances that has come out in the last few years. I know when I was working a few years back with Missimer & Associates; we had this old vibra-core machine that would work the hell out of you. Any advancement in this area of drilling will be greatly appreciated.

I hope to see you all at our next meeting.

**Jack Breland
President.**



AAPG Annual Meeting /House of Delegates/ GCAGS Notes

The 87th AAPG Annual Convention was held in Houston March 10-13, 2002 and had approximately 7,000 attendees. The Convention had more than 900 technical papers presented, and offered 17 short courses and 12 field trips. There were also more than 950 vendor booths in the Exhibits Hall.

The AAPG is the premier geological society in the world. Currently there are approximately 30,000 members. The EGS is one of 60 U.S. geological societies affiliated with the AAPG. Approximately 25 percent of EGS members are

also AAPG members. In the 11-county geographic area assigned to the EGS by the AAPG, there are about 12 additional AAPG members. Annual AAPG membership dues are \$72 with an optional membership in one of the three AAPG divisions – Division of Professional Affairs, Energy Minerals Division, or Division of Environmental Geosciences – for about \$20 more.

One of the outstanding benefits of AAPG membership is the ability to access online the complete archives of articles published in the AAPG Bulletin that has monthly issues since 1917. For the last few years, a fee of about \$100 is charged for this service, however, starting July 1 this service will be a standard component of the \$72 annual dues. In order to become a member, one needs to have three current AAPG member sponsors.

House of Delegates Meeting

Each AAPG affiliated society has a minimum of one delegate. Societies with a large number of members have more than one delegate, with the total number apportioned based on number of AAPG members in that society. The Houston Geological Society has 57 delegates and the Rocky Mountain Association of Geologists has 18 delegates. There are currently 248 delegates from the 60 domestic and 40 international affiliated societies. Each year on the Sunday preceding the AAPG Annual Convention a meeting of the House of Delegates (HOD) is held. At this meeting legislation is conducted relating to the bylaws of the AAPG, officers for the subsequent year are elected, and business aspects of the Association are reviewed. During its six years of existence the EGS has maintained a perfect attendance record at HOD meetings. In addition to the annual meeting, a HOD breakfast meeting is held at each annual section meeting, which is the Gulf Coast Association of Geological Societies (GCAGS) meeting for the EGS. The EGS has maintained an almost perfect attendance record at those meetings. Our attendance record at HOD meetings is in sharp contrast to the three other affiliated societies located in Florida, some of which may face disaffiliation in the near future due to lack a delegate and/or persistent lack of attendance at HOD meetings.

Commencing July 1, 2002 Clyde Dabbs will become EGS' new AAPG Delegate. Since this position entails a certain amount of personal sacrifice relating to time and expense, we should all congratulate Clyde for his willingness to assume this position. The start of his term could be fortuitous for him, however, since it coincides with the start of an AAPG membership drive. For current members, sponsoring the most new members will result in prizes, including a paid trip to one of the AAPG International Meetings, which are usually held in places such as Rio de Janeiro, Cairo, Vienna, and Kuala Lumpur. Lets show our appreciation to Clyde by signing up as many new members as possible. Membership applications can be obtained online at www.aapg.org or from Clyde and me.

GCAGS

The GCAGS is currently comprised of 12 societies. In the very near future there will be thirteen as the Mexican Association of Geologists has been accepted as a member society. The EGS is not a GCAGS society, however, as some may recall, in the very early days of the EGS we did make an informal request for consideration for membership. At that time it was politely suggested by the GCAGS that we submit a formal application when we became more established as a society.

One of the duties of a GCAGS member society is to host the annual GCAGS convention on a rotational basis. The annual GCAGS convention is usually held in October. We need to consider submitting an application for affiliation next October at the Austin meeting. Being a GCAGS affiliated society may provide us potential revenue from publication sales. To have a successful bid, we have to overcome a perception problem that was generated by another Florida geological society who was a GCAGS affiliated society for a number of years but never hosted an annual meeting. They were also lax in sending a delegate to HOD delegates breakfast meeting at the GCAGS conventions and to the annual GCAGS business meetings.

Dan Acquaviva

THIS MONTH'S TOPIC

The SONIC Drilling Method

By

Tim Miller

Personic Corporation

Ocala, Florida

SONIC drilling is a method that employs high frequency vibrations (150 hertz or 9000 RPM's) to a still drill string causing it to resonate, and act as a flywheel. The energy created by the eccentric rollers is transferred through the drill string to the bit face where the bit acts as a hammer in rock, shears in clay, and effectively liquefies unconsolidated formations. This method allows unsurpassed sample collection (continuous) in almost any formation without changing tools or techniques. This method also gives very rapid penetration rates, particularly in unconsolidated formations. The use of multiple drill strings eliminates the need of permanent subcasing in many applications, which reduces well installation time by one half to two-thirds. Additionally, similar reductions are realized in lower disposal costs. Personic is presently trying to expand the technology outside the environmental realm to mineral exploration, wellfield development and construction applications.

BIOGRAPHY

Tim Miller is the Ocala branch manager for Prosonic Corporation (visit www.prosoniccorp.com for some background), and has been there for almost fourteen years. Prosonic Corporation provides auger/rotary, DPT services and most recently (last 3 years) SONIC drilling to the environmental and mineral exploration markets. Tim has a Bachelor of Science degree in Forest Resources and Conservation from the University of Florida (1976) and has graduate level experience in Business at Auburn University @ Montgomery (1981-1983). He has 10 years experience in the pulp and paper industry, 3 years in transportation (Roadway Express), and for the last 14 years, experience with IT Corporation (IT Drilling), Gulf Atlantic Drilling, and now Prosonic Corporation. All these are acquisitions of the former Liberty Drilling, Boring & Testing started in 1986.



Everglades Geological Society

Meets on the Third Tuesday of each month at the French Connection Cafe on First St. in downtown Fort Myers, Florida. Social hour starts at 5:00 PM. The meeting begins at 6:00 PM. No meetings are held in July or August



EGS MEETING CALENDAR 2002

March 19

April 16

May 21

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at meetings, by mail and on our web site.
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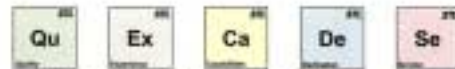


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