



July 22, 2010

Dear Colleagues,

We cordially invite you to the annual review meeting and fieldtrip of the Comparative Sedimentology Laboratory. The **review meeting will be held October 11-12, 2010 in Miami** at the Rosenstiel School of Marine and Atmospheric Science on Virginia Key. During the annual review, we will report on the projects that we outlined in the prospectus.

The founder of the CSL, Dr. Robert Ginsburg, will lead the **3-day fieldtrip October 12-15, to the Florida Keys**. The fieldtrip is both a comprehensive review of this modern environment and a tribute to Robert Ginsburg's scientific accomplishments. The field days will be filled with discussions of our advancement in carbonates from the early days of carbonate research in the area, while the evenings will be a celebration of his lifetime achievements.

ANNUAL REVIEW MEETING

October 11-12, 2010

Please arrive in Miami by the evening of October 10th. We have reserved a block of rooms for the nights of October 10th & 11th at the University of Miami rate of \$109.00 single/double occupancy at the Sonesta Bayfront Hotel Coconut Grove, 2889 McFarlane Rd, Coconut Grove 33133.

We have only reserved a block of rooms – **YOU MUST CALL TO MAKE YOUR OWN RESERVATION. Reservations will be open as of August 2, 2010.** Please call one of the following numbers: Hotel Direct: 305-529-2828 / Toll Free: 1-800-SONESTA. It is important that you identify yourself as an attendee of the Annual Review Meeting - University of Miami. If you choose to make your reservation online, please go to the Hotel web address www.sonesta.com/CoconutGrove. Please identify yourself as part of our group by providing the Group identification Code #10I0XI. **The deadline for making your reservation is September 27, 2010.** As of September 28th, all rooms that have not been reserved will be returned to the hotel's general inventory and will be accepted on a space and rate available basis. There will be a daily service fee of \$5.00 per person, per night, which includes: Hotel housemaid and bellman services. This fee is separate and distinct from the room rate and taxes. Accommodations will be available at 3:00 pm on arrival day and reserved until 11:00 am on departure day.

The meeting will begin at 8:30 AM on October 11th in the seminar room at the University of Miami's Rosenstiel School of Marine & Atmospheric Science (RSMAS), 4600 Rickenbacker Causeway. The seminar room is in the Science/Administration Bldg., Rm. 103. We will provide transportation to the school; please meet in the lobby of the Hotel at 8:00 AM.

The meeting will end around 2:30 PM on Tuesday, October 12th. Fieldtrip participants will subsequently travel to Key Largo, Florida.

ANNUAL REVIEW TOPICS

During the annual review, we will report on the projects of the four focus areas that we outlined in the prospectus (see below).

STUDIES PRESENTED AT THE ANNUAL REVIEW:

Carbonate Systems and Reservoir Characterization

- Capturing Carbonate Heterogeneity in Multiple Dimensions and Scales, Glover's Reef, Belize
- Assessing the Lateral and Stratigraphic Heterogeneity of a Windward Platform Margin, Exumas, Bahamas
- Characterizing Facies Heterogeneity in Pleistocene Marine and Eolian Deposits, New Providence Island, Bahamas
- Plio-Pleistocene Reef Development in the Southern Dominican Republic: Reef Growth and Facies Geometry During High-Frequency Sea-level Cycles
- Geospatial Analyses and Habitat Characterization of Cold-Water Coral Mounds in the Straits of Florida
- Correlation of the Carbon Isotopic Composition of Organic Material Along a Platform-Basin Transect: Implications for the Use of Carbon Isotopes for Stratigraphic Purposes
- Connecting Outcrop to Subsurface: the Mixed Carbonate Siliciclastic System in the Neuquén Basin, Argentina (Year 2)
- Collation and Synthesis of Five Projects in the Mississippian Madison Formation

3D Visualization Of Fractures, Karst and Fluid Flow

- Best Practice for Acquisition, Processing, and Interpretation of 3D GPR Data for Visualization of Deformation Bands, Fractures, and Karst in Carbonates
- Integration of 3D GPR and Outcrop Analysis of Solution Enhanced Fractures and the 3D Visualization of Karst Cavities by GPR (Cassis, France)
- Time-lapse 3D GPR for Fluid Flow Quantification in Fractured Carbonates: Cretaceous Orfento Formation, Madonna della Mazza, Italy

Laboratory Experiments in Petrophysics

- Petrophysical Characterization of Plio-Pleistocene Reef Systems in the southern Dominican Republic
- The Importance of Early Cements in Maintaining Porosity and Permeability During Burial
- Electrical resistivity, Archie's Law and Pore Space Geometry in Carbonates

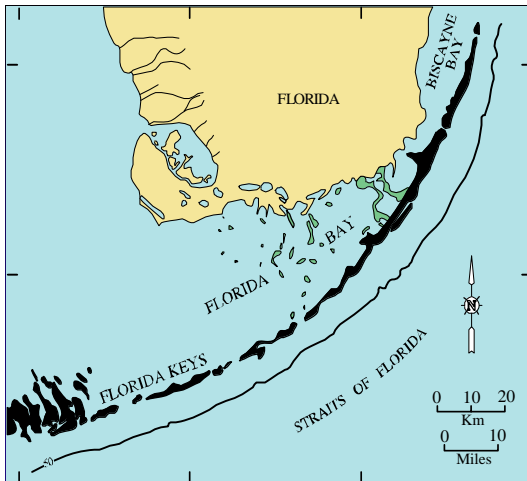
Exploration of New Geochemical Tools

- Clumped Isotopes: Application to Diagenesis
- Sulfur Isotopic Composition as a Tool for Understanding Dolomitization: Application to Ancient Examples
- Testing Carbon Capture and Storage using Stable Isotope Measurements of CO₂ in the Atmosphere

ROBERT GINSBURG FIELD TRIP TO THE FLORIDA KEYS, FLORIDA

“Comprehensive Review of a Modern Environment”
October 12-15, 2010

The Florida Keys area is a modern rimmed shelf with high and low energy environments separated by antecedent topography (Pleistocene reefs). Robert Ginsburg, who is retiring this year from the University of Miami RSMAS, will lead us through these environments. This will give us the opportunity for a comprehensive review of what we learned from this modern area and how we can apply this knowledge to the subsurface. Several of his friends, colleagues and students who have worked along the Florida Reef tract will be on the trip. We trust that this assembly of minds will generate lively discussions on various topics of carbonate geology.



Robert N. Ginsburg, the founder of the Comparative Sedimentology Laboratory.

Itinerary: During first day of the fieldtrip we will be exploring the low-energy environments of Florida Bay, including the mud banks. The second day we will visit the Florida Reef tract. On Friday morning (the third day) we will be looking at outcrops of Pleistocene reefs. In the afternoon of October 15th the participants will travel back to Miami, arriving at Miami airport around 3:00 pm.

Field trip costs are \$1900. Transportation, boats, hotel and meals are included.

Hotel: Key Largo Grande Resort & Beach Club, A Hilton Resort. We will make these reservations for you but all reservations must be made **NO LATER THAN SUNDAY, SEPTEMBER 27, 2010.**

Registration: A soon as you know, but no later than September 10, 2010. Please register with Karen Neher. Her email address is kneher@rsmas.miami.edu and her phone number is (305) 421-4684.

We hope to see many of you at the meeting and the fieldtrip. We would appreciate if you would let us know very soon how many from your company will attend the meeting and join us on the field trip. Please send this information also to Karen Neher.

Best regards,

Jregor Ebel.