

What's happening in the

BASIN & RESERVOIR LAB



Professor Grant Wach & Dr. Ricardo Silva
November 2015



GESNER MONUMENT RESTORED

Members of the Basin and Reservoir Lab recently visited the cleaned and polished memorial to the deceased Abraham P. Gesner (May 2, 1797 – April 29, 1864). The Dalhousie Sable Petroleum Club (AAPG, CSPG) and the Basin & Reservoir Lab recently had the monument cleaned as a tribute to Gesner's outstanding contribution to the world's oil industry as the inventor of kerosene. A Canadian physician and geologist, the monument was originally erected in 1933 by Imperial Oil in Halifax's Camp Hill Cemetery. It was Gesner who discovered the process of converting Albertite to kerosene, which was then used as a less expensive alternative to the commonly used whale oil.



Back: Natasha Morrison, Carlos Wong, Trevor Kelly, Anne Hargreaves, Merle MacIsaac (ExxonMobil), Prof. Grant Wach, Front: Taylor Campbell, and Carla (Dickson) Skinner.



Carlos Wong at the Houston Space Center

M.Sc. Candidate Carlos Wong traveled to Houston, Texas, at the end of October in order to attend a five day course on **PetroMod**, with **NEXT**, a Schlumberger company. Carlos will apply this course to his research on the organic rich facies of the Atlantic Margin, which will support the Source Rock Project. While in Houston, Carlos also visited the NASA Space Center and the Ocean Star Offshore Drilling Rig and Museum in Galveston.

Mexican Delegates Visit Dalhousie



This month, Dr. Ricardo Silva, Prof. Grant Wach, and Prof. Emeritus Marcos Zentilli met with Mexican Delegates from PEMEX regarding future collaboration on Petroleum Geoscience research and education initiatives.



Prof. Wach Visits 7 Universities on CSPG Lecture Tour

Prof. Grant Wach gave 7 guest lectures throughout the Maritimes and Ontario as part of the CSPG Lecture Tour this month. In Ontario, Prof. Wach visited the University of Waterloo, McMaster University, Brock University, the University of Toronto, and Carleton University. In the Maritimes, Prof. Wach visited the University of New Brunswick, and St. F. X. University. This was a follow-up to his Alberta Tour last January.

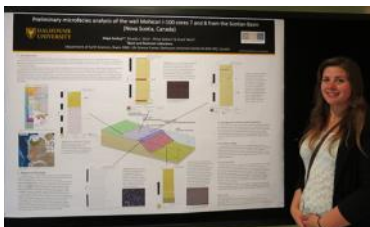
IN THE NEWS



Prof. Wach was featured on the CTV 6pm News several times this month, as well as in the [Chronicle Herald](#) to discuss the potential of petroleum offshore Nova Scotia. View the [interviews and articles](#) on our website!

RESEARCH NEWS

- Adjunct Prof. Yawooz Kettanah, and Prof. Wach et al. will be published in the *Australian Journal of Earth Sciences*, with their article "Provenance of the Ordovician—lower Silurian Tumblogooda Sandstone, Western Australia".
- Charlie Carlisle traveled to Dublin last month to attend the Atlantic Ireland 2015 conference, presenting his poster, "Source rock and Geochemistry of the Central Atlantic margins: Geochemical characterization of Lower Jurassic organic-rich facies offshore Ireland" (Carlisle, C.A.M., Silva, R.L., and Wach, G.D.). Charlie also presented Carla (Dickson) Skinner's research poster, "Reservoir Connectivity, Compartmentalization, and Overpressure Conditions in the Sable Sub-basin (Nova Scotia, Canada) and Porcupine Basin (Ireland)", (Dickson, C.D., Silva, R., Richards, B., Watson, N., and Wach, G.) while at the conference.
- Prof. Wach & Dr. Silva traveled to St. John's, NF, on Nov. 22 to present project reviews with industry partners **ExxonMobil**, **Husky** and **Suncor**. Afterwards, Dr. Silva visited the CNLOPB Core Storage Facility, where he studied the Bay du Nord C-78, and performed XRF analysis on Panther P-52 cores in support of the Source Rock Project.



- On Nov. 12th, Basin Lab team members attended a presentation given by **Neil McKone**, from **Blueback Reservoir** reviewing the latest developments of the software. Lab members use Blueback to perform seismic inversion. Blueback complements **Schlumberger's Petrel**, which lab members use frequently to improve analysis and workflows. Ongoing collaboration with Neil has assisted the team tremendously.
- From October 22nd to 24th, the 65th Atlantic Universities Geological Conference (**AUGC**), was held at Saint Mary's University. Lab members Maya Soukup (left) and Philip Sedore both presented posters on their work with the Source Rock of the Atlantic Conjugate Margins Project. Additionally, Dalhousie Earth Sciences undergraduates won 1st place in the CSEG's Challenge Bowl during the conference.

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