



Thursday at noon
Best Western Franklin
Square Inn

District 6220 *As the Wheel Turns* April 13, 2009

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David Reed, PhD., Forest Biometrics and Michigan Tech Vice President for Research, provided an update on current and future projects at Tech.

Soon the **Great Lakes Research Center** will provide a lab where ecologist, biologists, chemists, physicists, geologists, engineers and computer scientist can probe the secrets of Lake Superior as well as working on many other projects. State funds will pay three-quarters of the cost of the \$25 million facility, the only one of its kind on the Upper Great Lakes. It will house interdisciplinary labs and educational facilities for undergraduates and graduate students, as well as outreach to K-12 students, teachers, and the community. Construction is scheduled to begin in spring of 2009. (continued)

Coming Events

Photo Time

Bill Fink will be taking new photos for the directory. Try to come a few minutes early and look you best so that Bill can take your picture.

- April 15 Seafood Fest Committee, 5:30 p.m., Library Restaurant
- April 16 TBA
- April 18 Adopt a Highway pickup dates – date to be determined
- April 23 International Night Dinner at Finlandia Heritage Center
- May 5 Board of Directors
- May 15-17 6220 District Conference, Green Bay, WI
- May 8-June 10 Morocco GSE Team
- June 18 Seafood Fest

Please provide Kathy Archambeau with program details for you assigned dates.





Rotary International Night

Thursday, April 23

6:30 p.m.

Finnish American Heritage Center

Finlandia University

Speakers:

Sinan Abood, Iraq

Aldo Vacaflores, Bolivia

Sinan Abood, a 2005 Fulbright Scholar and chemical engineer, is now pursuing his PhD at Tech in the Forestry Department. In 2003, he served as a translator for the BBC. One of his parents is Arab, the other Kurdish. One is Sunni Muslim the other Shiite Muslim. Sinan will give us insights into the cultural of his homeland that we do not see on the evening news.

Michigan Tech Research (continued)

Some of the other projects highlighted in the Tech *Research* magazine include:

- **Viral Hemorrhagic Septicemia (VHS) studies.** The disease has caused massive die-offs of fish species in all of the Great Lakes except Superior. Infected fish die from internal bleeding and often have open sores and bruised-looking, reddish tints on their skin. This virus as well as other diseases travel in the ballast water of ships that travel to this region from all over the world. David Hand, professor of civil and environmental engineering is working on the solution to this invasive problem. He is studying a simple and safe method of decontaminating the water with chlorine bleach.
- **Agent-based modeling.** This technique simulated the behaviors of complex systems. It can be used to predict the outcomes of anything from pandemics to the price of pork bellies. Led by Roshan D'Souza, Michigan Tech researchers have developed a way to use graphic processing units (GPU's) which can run models with tens of millions of agents with blazing speed.
- **Revolutionizing Gene-sequencing Technology.** Present DNA sequencing methods are expensive and slow. Ravi Pandey hopes that their breakthrough might someday revolutionize the technology. "we're using quantum mechanic to understand biological processes. It's the fusion of biology and physics – a whole new world."
- **Genetic Links to Diseases.** A team of Tech mathematicians led by Professor Shuanglin Zhang has developed powerful new tools for winnowing out the genes linked to some of humanity's most intractable diseases. Per team spokesman Qiuying Sha, "With chronic, complex diseases like Parkinson's, diabetes, and ALS, multiple genes are involved. It is critical to develop statistical methods that can account for gene-gene interactions and can analyze these genes jointly."

Per David Reed, "All academic disciplines are making great strides on the campus. Our students are exposed to the creativity of the arts, the wonder of science and engineering, and much more as they create the future and change the world."

This is just a sample of the information about research at Michigan Tech from the *Research* magazine.

THANK

YOU!

Thank you Houghton Rotary club for our dictionaries. I used mine for a lot of things like Learning sing language and finding out what words mean. I also used it to find out how to spell words. - sincerely Kellan Heikkinen

Houghton Rotary Club

Thank you for the dictionary
I use it lots. Thanks!



Dear Houghton Rotary club,
Thank you for the dictionary. I love it! I use it a lot for looking up spelling words. Sometimes we race to find a word.
(The class)

Love you,
Sydney Danison



Thank you!

Thanks for the dictionaries a lot. They helped a lot!
Thank you so much.
From: McKayla Toi, Houghton
Charubini, Roderly Club



Thank
you!



President's Corner

Rotary International
Dong Kurn Lee
President

District 6220
Tom Friese
District Governor
Mary Schwaiger
District Governor Elect

Rotary Club of Houghton

Officers
Dallas Bond
President
Mari Buche
Past President
Steve Zutter
President Elect
Elden Johnson
President Elect
Mari Buche
Secretary
Debbie Bradford
Treasurer

Directors
Jack Ham
Dallas Eubanks
Anil Jambekar
Steph Olsson
Bob Hiltunen
Carrie Richards

Houghton Rotary Club
from
Mrs. Olsson's Third Grade
Thank You!
3-24-2009



Making a difference in our community can take many forms. We don't always receive a "thank you" or even an acknowledgement for our efforts. However, the Dictionary Project gave us the opportunity to feel good about doing a good thing and we received many wonderful thank you notes. Just a few of the many notes have been printed in the newsletter. Many more were received.

Need a Make-up

<u>Day:</u>	<u>Club:</u>	<u>Place:</u>	<u>Time:</u>
Monday	Marquette Hancock	Holiday Inn Ramada Inn	Noon Noon
Tuesday	Iron Mountain Munising	Chippewa Club Sydney's Restaurant	Noon Noon
Wednesday	Calument-Laurium Marquette West Ontonagon	Irish Times Landmark Inn The Candlelight	Noon Noon Noon
Thursday	Marquette Breakfast	Landmark Inn	7:15 a.m.

Send articles, announcements and pictures to:
lenderby@charter.net