

छात्रों को दी भूगर्भीय घटनाओं की जानकारी

वैनीताल। मोहन लाल साह बालिका विद्या मंदिर में आज राष्ट्रीय भू-भौतिकीय अनुसंधान संस्थान हैदराबाद के उप निदेशक डा. आरके ड्रोलिया ने प्रेक्षागृह में समुद्र की अथाह गहराइयों में होने वाली घटनाओं की जानकारी दी। श्री ड्रोलिया ने विद्यार्थियों को मध्य समुद्रीय कटकीय वातावरण में समुद्रतल से चार हजार मीटर नीचे पनपने वाले जीवों के बारे में विस्तृत जानकारी दी। उन्होंने इंटररिज (जर्मनी) द्वारा तैयार समुद्र विज्ञान पर आधारित फिल्म भी विद्यार्थियों को दिखाई। डीएसबी परिसर भू-विज्ञान विभाग के प्रो. चार पंत ने भू-विज्ञान व भू भौतिकी के अध्ययन की महत्ता व उपयोगिता के बारे में छात्राओं को बताया। कार्यक्रम में डा. एचबी त्रिपाठी, डा. संतोष कुमार, डा. अजय पाल, प्रधानाचार्या सुनीता साह, एमसे साह, महेश चन्द्र साह सहित विद्यालय की छात्राएँ उपस्थित थीं। ब्यूरो



Figure 1 Local Newspaper clipping of the screening event.

Drolia plans to screen the "Voyage into the Abyss" film during his proposed visit to Manipur and some parts of northeastern India in October 2005.

RAJENDRA DROLIA

"Voyage into the Abyss" is a Future Vision education program endorsed by InterRidge, please contact the InterRidge office if you would like more information.



Figure 2 More than 2000 school children saw the film - as can be seen, this screening had a full house!



Figure 3 Drolia explains to the students how a ridge scientist reaches the ocean floor and the various stages of deploying a submersible.

OTHER INTERRIDGE NEWS

InterRidge Workshop "Tectonic and Oceanic Processes along the Indian Ocean Ridge System".

19 – 21 January 2005, N.I.O., Goa, India

Summary

The InterRidge Workshop on "Tectonic and Oceanic Processes along the Indian Ocean Ridge System" was held at the National Institute of Oceanography, Dona Paula, Goa, India from 19 to 21 January, 2005. The workshop was well attended by participants from 10 countries (Figure 1) and covered all ridge research aspects in eight technical sessions. There were 10 special talks, 24 oral presentations and 18 poster presentations. Apart from the technical sessions, a special interactive talk was devoted to the recent seismic event that took place off Sumatra and generated a tsunami. On the second day of the workshop a film on "Volcanoes of the Deep Sea" was screened. Members of the public were also invited resulting in a full auditorium and therefore a successful outreach event. Panel discussions were held during the concluding session of the workshop, which brought out opportunities for forging collaboration among ridge researchers across the world.

The workshop was organized with financial help from the Council of Scientific and Industrial Research, InterRidge and Ridge 2000 Program, USA.

Background

The Council of Scientific & Industrial Research (CSIR), India, in association with the Department of Ocean Development, Government of India, initiated a Network Programme "Tectonic and oceanic processes along the Indian Ridge system and Back Arc Basins", to investigate the mid-ocean ridge system and the backarc basins in the Indian Ocean. The National Institute of Oceanography, Dona Paula, Goa and the National Geophysical Research Institute, Hyderabad, both constituent laboratories of the CSIR, are implementing this interdisciplinary programme. India, an associate member of InterRidge proposed to organize a workshop on "Tectonic and Oceanic Processes along the Indian Ridge System" to provide a forum for ridge researchers worldwide to exchange

ideas and results and foster collaborations. The proposal was considered and accepted as an InterRidge workshop during the 2003 InterRidge Steering Committee meeting held at Tokyo, Japan.

Workshop objectives

- To focus on the geological, geophysical, physical, chemical and biological processes along the Indian Ocean spreading centers
- To provide a forum for exchange of ideas and results
- To encourage international collaboration in exploration of Indian Ocean ridge research using latest tools and techniques.

K.A. KAMESH RAJU AND ABHAY MUDHOLKAR



Figure 1
Group photograph of the workshop participants.

InterRidge Workshops and Outstanding Student Poster Awards for 2005.

With three workshops and a field school and trip to Cyprus, InterRidge had a busy but very exciting year in 2005. The enthusiastic attendance of all these activities by so many scientists from different nations indicates that ridge-related science is thriving. The good news is that the number of young scientists and scientists-to-be is thriving too.

In 2001, the InterRidge steering committee decided to encourage students involved in ridge research by awarding Certificates of Excellence and prize money to best student poster presentations at InterRidge meetings. This year, InterRidge outstanding student poster awards were presented at two meetings - the InterRidge workshop "Tectonic and Oceanic Processes Along the Indian Ocean Ridge System" held in Goa, India, and the 3rd International

Symposium on Hydrothermal Vent and Seep Biology, held in La Jolla, California, USA.

Congratulations to all the students!

Both student award winners of the 2nd International Symposium on Hydrothermal Vent and Seep Biology held in Brest, France, 2001 were present at the 3rd Symposium, and Jason Flores, agreed to contribute to this Newsletter to show what happened to one of the past winners!

InterRidge was also able to help subsidize 7 students to participate in the Troodos Ophiolite field school or trip to Cyprus in May (see pictures on page 49). This was a great, hands-on learning experience for all, thanks to Professor Joe Cann and his team of experts!

KATJA FREITAG

InterRidge Outstanding Student Poster Awards 2005	
<i>InterRidge Workshop "Tectonic and Oceanic Processes Along the Indian Ocean Ridge System"</i>	
"Manganese oxidation by bacterial isolates from ridge ecosystems"	Sheryl O. Fernandes, et al. (India)
"Processing and presentation of multi-beam echosounder data on Carlsberg and Central Indian ridges, Indian Ocean"	K. V. Anoop (India)
"An overview of basalts and gabbros along the Northern Central Indian Ridge"	Dwijesh Ray (India)
Honourable mentions were given to B. V. Bhaskar and K.P. Krishnan, both from India	
The panel of judges were Colin Devey (Germany), Charles Fisher (USA) and C. Subrahmanyam (India)	
<i>3rd Symposium on Hydrothermal Vent and Seep Biology Scripps, California, USA, September 2005</i>	
"Functional Genome Analysis of the Bacterial Endosymbiont from the Deep Sea Tube Worm Riftia Pachyptila"	Stephanie Markert et al. (Germany)
"Protein synthesis and expression patterns in Deep Sea Bathymodiolus Mussels"	Dijanna Figueroa (USA)
Honourable mentions were give to Mathis Stoeckle (Canada), Diane Poehles (USA), Carol Logan (USA) and Julius Csotonyi (Canada)	
The panel of judges were Rich Lutz (USA), Craig Cary (USA), and François Lallier (France)	