

## SPG, India successfully organises SPG MASTERMIND 2013, 3<sup>rd</sup> Regional Inter-School Quiz Competition

19<sup>th</sup> Aug. 2013 witnessed one of the most enthralling quiz contests of Doon Valley, when 17 teams from the top schools of Dehradun and Mussoorie locked horns for the top honours in **SPG MASTERMIND 2013**, the 3<sup>rd</sup> edition of the Regional Inter-School Quiz Competition organised by Society of Petroleum Geophysicists, India (SPG). The contest featuring students of Class XI and XII was organised at the KDMIPE Mini Auditorium, ONGC. The participating schools included Ann Mary, Asian School, Brightlands, Convent of Jesus and Mary, Cambrian Hall, Doon School, Doon International, St. Joseph's Academy, Oak Grove (Jharipani), Mussoorie International, KV-ONGC, KV-OFD, KV-IMA, RIMC, Seven Oaks, Sunrise Academy and Welham Boys. Mr. N.S. Dangwal, Secretary SPG, while welcoming the participants, emphasised on the ethos of SPG of encouraging young talents, who are the potential geo-scientist of the future, through such competitions and events across the country.



*Mr. N.S. Dangwal, Secretary SPG India welcoming the participants*



*The Qualifying Round in progress*

Of the 17 teams, 5 qualified for the finale round which witnessed a keenly contested battle as the participants' wits, knowledge and presence of mind were put to test in questions ranging from current affairs to earth sciences ....sports to entertainment, across several rounds, spanning audio, visual, buzzer, rapid fire etc., presented in a sleek and ritzy format. The Quiz Master, Mr. Rajiv Paul, conducted the event with great aplomb. The contest was keenly watched by an enthusiastic audience who also had the chance to showcase their own knowledge during the audience questions.



*Mr. N.S. Dangwal, Secretary SPG India welcoming Mr. Anand Sahoo, ED, ONGC*



*Mr. Rajiv Paul, the Quiz Master, setting the tone of the competition by announcing the rules and format*

The crown was eventually bagged by the team from Brightlands School comprising Kaustubh Chaturvedi and T M Ravi Kiran. The First Runners-up were Akash Zutshi and Shervil Kala from Asian School while Alok Bhatt and Shourya Kumar from St. Joseph's Academy finned Second Runners-up . The honours were done by Mr. Anand Sahoo, Executive Director, ONGC , Mr. A.K. Tandon, General Manager, ONGC and Mr. T.R. Muralimohan, General, Manager, ONGC. Mr. C.B. Yadava, Joint Secretary, SPG, India proposed the vote of thanks.



*The final round in progress : The participants listening to the Quiz Master with rapt attention*



*The enthusiastic audience engrossed in the proceedings of the keenly contested event*



*Mr. Anand Sahoo, ED, ONGC handing over the winners' trophy to Kaustubh Chaturvedi and T M Ravi Kiran from Brightlands School*



*The finalist teams posing with the guests of the evening and the organisers*

The team from Brightlands School, by virtue of finishing winners, has earned the proud privilege to represent the region in the National level during the SPG International Conference and Exposition to be organised in Kochi during November 2013.



## Society of Petroleum Geophysicists (SPG) India Kolkata Chapter organized Inter-School Quiz competition on 24<sup>th</sup> August 2013

Society of Petroleum Geophysicists (SPG) India Kolkata Chapter organized Inter-School Quiz competition on 24<sup>th</sup> August 2013 at ONGC Officers Club, Golf Green Kolkata. The team of Master Rohit Khanna- class XI and Basabdatta Chaudhury, class X from Rammohan Mission High School, Kolkata bagged the winner trophy. The first runner's trophy was bagged by the girls-Mahima Dey and Megha Murty of class XI from G. D. Birla Foundation for Education. Master Sampreet Sarkar and Agnibha Sen , class-XI from Modern Academy were declared 2<sup>nd</sup> runners up. Sh. Rahul Kumar, an enthusiastic young ONGCian has played the key role of Quiz Master.



**Top left:** Sh. Chandan Samaddar, DGM (Gp) presenting winner trophy to the Students from RamMohan Mission High School. **Top right:** Sh. Sanjib Sett, Ex. Member, SPG, presenting 1<sup>st</sup> Runner's Trophy to the Girls from G.D. Birla Centre for Education. **Bottom Left:** Sh. Pulak Bose, Jt. Secretary, SPG presenting 2<sup>nd</sup> Runner's trophy to the students from The Modern Academy. **Bottom right:** Sh. Anand Prakash, Secretary, SPG presenting a token of appreciation to the teacher.

Almost all the prestigious schools of South Kolkata were invited to participate for the event, but due to mid-session examinations and other pre-decided programs, many schools showed their inability to participate this time but promised to participate next time. The competition has generated a lot of enthusiasm amongst the teams and it was closely fought. The questions

were based on Earth Sciences and Environmental Sciences and were received very well by the young boys and girls.

Sh. Anand Prakash, Secretary, addressed the students and advised them to dream big so as to make India self reliance on its energy need in coming 15-20 years. The teachers of the participating school have also been felicitated by the SPG.

Sh, Pulak Bose, Jt. Secretary, SPG proposed a vote of thanks to the students and teachers for their participation in the event and invited the winners to Kocchi during 23-25 November 2013 in the SPG conference.



The Winners of the Inter-School Quiz competition along with their Teachers and SPG Team

## **Mumbai Chapter Organises a Technical Session in association with BG Group and Accentus Exploration Pvt Ltd**

Mumbai Chapter of Society of Petroleum Geophysicists India in association with BG Group India conducted a technical session on 24<sup>th</sup> August, 2013 at The Beatles Hotel, Powai, Mumbai. Three technical lectures were presented during the session by Shri Asit Kumar and Shri Sumit Mishra from BG Group India, and Shri D.M. Nathaniel from Accentus Exploration Pvt. Ltd., New Delhi. Shri P. K. Bhowmick, ED-COED, Basin Manager, WOB, ONGC, Mumbai and Shri Goutam Ghosh, Vice-President Exploration, BG India and seniors geoscientists from ONGC, BG India, CGG, RIL, PGS were present on the occasion and encouraged with their presence and active participation. More than sixty SPG/APG members from Mumbai/Navi Mumbai attended the technical session. The session was coordinated by Shri Basant Kumar, ONGC and was quite interactive. During the opening remark Shri P. K. Bhowmick became nostalgic and reminded the young professionals the importance of manual contouring and attributes. He opined that the manual contouring is the most accurate interpolation techniques till date. Shri Goutam Ghosh lauded the role of professional societies in knowledge/experience sharing which help in finding the new reserves by the petroleum industry.

Shri Asit Kumar, BG Group India presented the first lecture of technical session on ***“Gridding Algorithms: In the Light of Geo-spatial Analysis”***. Most popular gridding algorithms in the petroleum industry and their potential use in specific situations to create an effective grid was the subject of his presentation. A great variety of interpolation techniques exist in mathematics, each with its own merit, depending on data density; data distribution; and spatial variability. A prior examination of each of these elements may assist in choosing the most appropriate technique for the problem at hand. His lecture will help the geoscientists involved in generating and interpreting gridded contour maps for prospect mapping and reservoir modeling. Great care must be taken when using gridded maps because once data is contoured, the resultant map is considered to be a true representation of the surface with only minor errors. This is a poor assumption and therefore cautioned the interpreters. He showed that vastly different structure maps can be produced by different 2D/3D gridding/interpolation techniques in case of limited sample/well data. Structure uncertainty due to gridding interpolation is often ignored.

Shri Sumit Mishra from BG Group India presented second lecture of the session on ***“Describing the Spatial Trend of Sedimentary Facies using Geostatistical Techniques”***. He discussed different techniques of estimation process to recreate facies architecture. Predicting facies distribution away from the well is a geostatistical estimation process that reproduces the true geological heterogeneity to describe the inherent uncertainty in three dimensions. Correct heterogeneity gives realistic flow patterns and the possibility to obtain unbiased forecasts from reservoir simulators. In reservoir characterization facies should be classified based on their storage and flow capacity for fluids. Generally the flow capacity and storage capacity of rocks depends on its depositional pattern, environment, textures and associations with other lithologies. All these characterizations are done at the well location to a reasonable confidence depending on the data available. His lecture will help the geoscientists working in reservoir characterisation, optimized field development portfolio analysis, volumetric risk assessment, uncertainty analysis and improved fluid recovery processes

The third and last lecture of the technical session was presented by Shri D.M. Nathaniel on ***“Deepwater Kerala Margin: The Dash of Concepts and Technology for Oil-Gas”***. He

presented a brief account of hydrocarbon find in basins associated with volcanism world over and was optimistic of hydrocarbon presence in Kerala Basin. Kerala Deepwater Basin is a part of passive volcanic rifted margin, which is defined as sedimentary margin significantly affected by flood basalt volcanism. Analysis of exploration resume of Kerala Basin recognized two schools of thought:(a) basin with all the essentials for a working petroleum system under the consideration that it is the southern extension of prolific petroliferous Bombay Basin; (b) basin lacked significant riverine input unlike Bombay Basin and thereby less productive for exploration. He opined that these two schools of thought considered the Tertiary as the only objective and over-looked the significance of the Mesozoics, which contributed 54% of recoverable hydrocarbon reserves world over. Studies of tight-fit plate tectonic reconstructions on India-Madagascar separation, different enhancements of satellite and shipborne gravity-magnetics and modern long offset 2D seismic data emphasizes that the sub-basalt Mesozoic stratigraphy merits due consideration as the principal exploration target. His lecture attracted a lot of discussion and interaction amongst the audiences and Mr. Nathaniel concluded his talk with “No basin is dry basin”

The programme ended with concluding remarks, feedback and vote of thanks. All the speakers, ONGC, sponsor of the programme-BG India and all the members of SPG/APG/Professionals working in various companies were acknowledged by executive body of the chapter. The members were also requested to contribute articles for journal of the society-Geohorizons. Geoscientists were also requested to accelerate the membership drive SPG India.

### The Glimpses of the Programme



Shri Basant Kumar, CG(S),ONGC welcoming all the participants.



Shri PK. Bhowmick ED-COED, Basin Manager, WOB, ONGC welcomed by Shri U G Marathe, GM(Geology), ONGC



Shri Gautam Ghosh Vice Presidentt Exploration BG India welcomed by Shri S. Chandrasekhar, GM(GP)-Vice President, Mumbai Chapter



Opening remarks by Shri PK. Bhowmick ED-COED, Basin Manager, ONGC



Shri Gautam Ghosh VP- Exploration BG India lauding the role played by professional societies



Dr. S. Viswanathan concluding the session by presenting summary.



Shri Asit Kumar, BG India presenting his work



Shri Sumit Mishra, BG India explaining his point



Shri DM Nathaniel replying to a query.



Shri Asit Kumar replying to a query by the participant



Shri Sumit Mishra receiving memento from Shri S. Chandrasekhar



Shri C. Chandrashekhar putting a query to Shri DM Nathaniel



Geo-scientists attending the presentation



Interaction continued during lunch hour