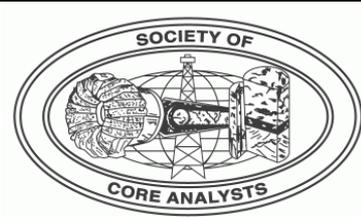


# SCANews



The SOCIETY of CORE ANALYSTS

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## *Message from the Vice President of Technology*

by *Ivar Erdal*

It is with great pleasure that I can tell the readers of SCA News that the technical programme for the 2006 Annual Technical Symposium in Trondheim is now being materialized. You will also find information about Trondheim and an overview of the social program from the VP Arrangements (page 3).

Based on the 'Call for Abstracts' that was announced on the SCAWeb late last fall, we received a total of 83 abstracts. These abstracts were carefully reviewed and ranked by all 29 members of the Technical Committee. The overall quality of the abstracts were very good, thanks to the efforts of all authors. Based on this ranking a proposal for papers and posters were made and agreed upon amongst the committee. Here, I would like to thank the technical committee members for doing a great job! This process has resulted in a final program which will consist of 40 papers to be orally presented, 6 alternate papers with full manuscript and 21 posters with extended abstracts. All papers, alternates and posters will be published in the Symposium Proceedings, which will be made both as a printed version and on a CD.

The authors are currently preparing their manuscript, and these are due to be sent to the Technical Committee by **April 25**. There are two reviewers per manuscript and the review process will continue until **June 2**, upon which the manuscript will undergo a

final editing and numbering and then be sent for printing.

As you may already know, the main Symposium will run for three full days, from Wednesday to Friday. A firm schedule for these days has already been made, and I will come back to the details in later information. I can however say that there will be 10 sessions, and each session will include four presentations. In addition, there will be two dedicated slots for poster presentations and two vendor presentation sessions.

Following the Symposium there will be a workshop onboard the MS Midnatsol (see page 5). The proposed theme of the workshop is "*Value Added from Core Analysis and Future Trends in the Industry*", and the programme for the workshop is currently being organized. There will be three sessions during the one-day workshop, and we will invite distinguished speakers to tell us about their experiences and belief within the area of the workshop.

A final agenda for the symposium and the workshop will be given in the summer issue of SCA News. Until then I wish the authors good luck with their hard work in preparing the manuscripts, and I am looking forward to seeing you all in Trondheim in September!

Ivar Erdal  
VP Technology.

**Spring issue of SCA News...**by **Andrew Cable, Editor**

You may recall that in December's issue of SCA News (Volume 17 Number 3) that Doug Ruth asked the Society to consider renaming the **Technical Achievement Award**. Many technical societies associate their highest award with a prominent researcher. For example our Society might choose 'The Darcy Award', or the 'Archie Award', or the 'Purcell Award'. The suggestions are open to debate, but recognising that there should be relevant prominence in the field of Core Analysis and the naming should be posthumous. Darcy should need no introduction, and if he does, then you must read the feature in the last issue of SCA News. Myself being a relative newcomer to Core Analysis (16 years if you count my gap year whilst studying at University) I thought I would find out more about 'Purcell'.

Bob Purcell received the Society's 'Lifetime Achievement Award' in 1992. (You can find out about all of the society's former award winners at [www.scaweb.org/about awards.shtml](http://www.scaweb.org/about_awards.shtml) ).



Bob Purcell Lifetime achievement award 1992

Bob Purcell was born in Taylorville, IL, in 1918. He obtained his bachelor's degree in

Chemical Engineering and a master's degree in Chemistry at Rice University and did additional graduate work at the University of Michigan under one of the first API fellowships. Bob joined Shell Development Co. in January 1946 at the Bellaire Research Center in Houston, TX where he had a long and distinguished career, serving both as Director of Basic Research and Director of Production Research. In 1965 he became Division Production Manager for Shell Oil's Eastern Division of the Houston area before returning to research at Bellaire. Bob retired from Shell in 1983. For 36 years he had researched petrophysics, rock mechanics, geophysics, and hydraulic fracturing. His work on mercury capillary pressure measurements is considered a classic and established this method as the fundamental petrophysical tool for studying pore structure. He was the first to demonstrate the interrelationships between capillary pressure curves and permeability, and also studied relative permeability formation resistivity factor and resistivity ratio.

Perhaps in the next issue of SCA News I will say a few words about Archie, or any other membership suggestions....

I was hoping to run a technical feature in this issue of SCA News on rotary sidewall cores, but unfortunately the author has withdrawn because of IP concerns. Instead I have written a feature on 'Dorset's Jurassic Coast', I do hope that you enjoy the alternative read.

The next issue of SCA News will be August, just in time to give you all of that last minute information for the symposium. If you have any comments, contributions, articles please do not hesitate to contact me, or any of the current Board members.

Andrew Cable  
VP Publications

**Note from the VP Arrangements**  
by **Odd Hjelmeland**

**Welcome to Trondheim, Norway, in  
September 2006!**

Trondheim holds a special place in Norwegian history and culture. The Viking King Olav Trygvason founded the city in 997.



It was the first capital of Norway, and is still the city where new kings receive their ceremonial blessing. Situated by the Trondheim Fjord, the city is surrounded by lovely forested hills, with the Nidelva River winding through the town.



Today Trondheim is a modern city, a centre of knowledge with a highly respected university, many popular colleges and a research community ranking among the best in Europe. You will find a wide variety of cultural and recreational activities in Trondheim, while work and education options abound. Here you can experience both the charm and intimacy of the small town and the plethora of choices of big-city

life. You will find the people of Trondheim friendly and sociable (we hope).



**Programme**

12<sup>th</sup> September (evening) icebreaker at the Britannia Hall:



Participants and accompanying persons are welcome to attend the get-together, at the Hotel Britannia. Drinks and snacks will be served.

**Conference Reception**

The Mayor of Trondheim will host a reception for participants and accompanying persons of the SCA in the Archbishop's Palace. The Archbishop's Palace is the oldest secular building in Scandinavia. Work started in the second half of the 12<sup>th</sup> century, and it served as the Archbishop's residence until the Reformation in 1537. Today the Archbishop's Palace has become a major museum complex, the place to go if you want to see and experience important parts of Trondheim's and Norway's history. Drinks and snacks will be served (free of charge).



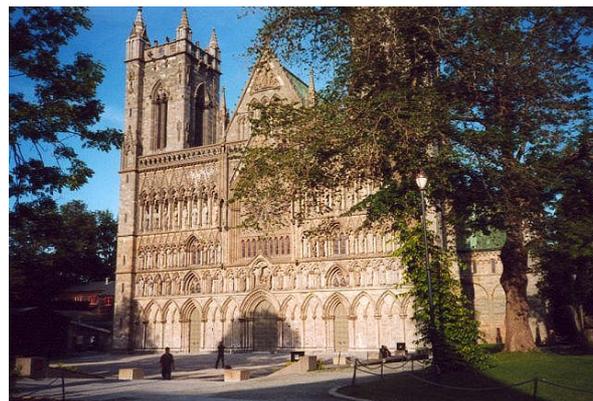
**13<sup>th</sup> September (Spouse programme)**

**Trip to Røros** (full day): Røros is a mining town with soul and atmosphere. The characteristic low wooden houses, the history, the atmosphere and the experience have a unique flavour which you will find nowhere else:



Røros's whole town centre is under a preservation order and is found on UNESCO's World Heritage List in line with other cultural treasures like the Palace of Versailles and the pyramids of Egypt.

**14<sup>th</sup> September Concert at Nidaros Chatedral** (participants and accompanying persons):



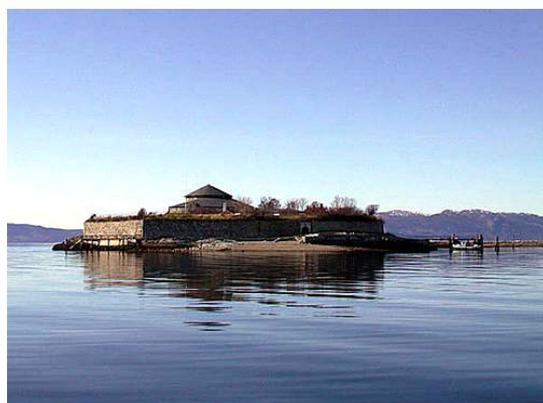
**Conference Dinner:**

The Conference Dinner takes place at The Palmehaven Restaurant at Britannia Hotel.



**15<sup>th</sup> September (Spouse programme)**

Sightseeing on the canal and fjord. This boat trip takes approximately 2 hours.



**16<sup>th</sup> September WORKSHOP (Ship from Trondheim to Bergen)**

Workshop on the World's most beautiful sea voyage, Hurtigruten. The Norwegian Coastal Steamer Service has been voted the best boat voyage in the world.



Hurtigruten has for a long time been one of the most important means of transportation along the Norwegian coast and remains so today. The ships are equipped with the latest technology to bring their passengers safely and comfortably to their chosen destinations throughout the year.



**Message from the SCA President**

**Bob Smits**

**Dear colleague,**

At the moment that you read this, we are only a few months away from our yearly SCA Symposium. The SCA Technical Committee is working hard to put the Technical Programme of the 2006 SCA Symposium in place. In addition the local organising committee is working hard on the organisational details. I thank all of them for this tremendous effort. I look forward to an exciting symposium.

As you know, this Symposium will be in Trondheim Norway, September 13-15, followed by a workshop during a boat trip to

Bergen on September 16<sup>th</sup> to allow interested people to attend the Wettability Workshop in Bergen (Sept. 18-19).

Use the SCA website link given below for further details and please have a look at the beautiful brochure, if you haven't already done so:

[www.scaweb.org/symposium\\_2006\\_presentation.shtml](http://www.scaweb.org/symposium_2006_presentation.shtml).

I encourage you all to attend this exciting symposium, and to induce your colleagues to attend as well. Each year the attendees

see how much they get out of the attendance, not only from the presentations and poster sessions, but also from the vendor booths and (certainly not less important) by talking to colleagues from all over the world. The symposium is an excellent opportunity for networking! Hence,

I hope to see many of you during the symposium in Norway.

Best regards,

Bob Smits  
SCA President

***From the Membership***  
by **SCA Members**

**Dorset's 'Jurassic' Coast**

By Andrew Cable

Driving to work last week I noticed a new road sign: "Welcome to Wareham, Gateway to Dorset's Jurassic Coast, a UNESCO listed World Heritage Site". Of course we locals have known about this since the status was granted back in 2001, and I have often thought that the Dorset geology would make an interesting article for SCA News. You can use the link below to see the whole list of these World wonders, and you can also view Røros as mentioned in Odd's article (page 4).

[www.whc.unesco.org/en/list/](http://www.whc.unesco.org/en/list/)

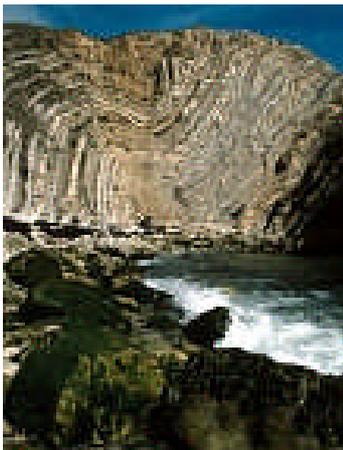


Photo: Stair Hole at Lulworth Cove

The cliff exposures along the Dorset and East Devon coast provide an almost continuous sequence of rock formations spanning the Mesozoic Era, some 185

million years of the Earth's history. The area's important fossil sites and classic coastal geomorphologic features have contributed to the study of earth sciences for over 300 years. (Long before moving to the area I can remember studying Lulworth Cove and Stair Hole in my Geography lessons at school).



Photo: Durdle Door

The area is now being promoted as 'a walk through time by exploring the Jurassic Coast World Heritage Site'. This is because the whole 185 million years of geology can be seen in just 95 miles of coastline.

The oldest part of the Jurassic Coast starts in East Devon, the Triassic (250-200 million years ago). The cliffs from Exmouth to Sidmouth record a time when the area was forming, locked in the interior of a large continent made up of North America, Europe, South America, Africa, Antarctica, India and Australia. This formation was a result of two major landmasses colliding to

form one super continent, which the geologists call *Pangaea*. About 300 million years ago a mountain chain was formed by this collision, which in present day terms would have ran through the South West of England and on into what is now North America. The region lay near the equator and so this land locked area was hot and arid. Seasonal rains occurred which rapidly eroded the mountains carrying material towards East Devon to form the rocks we see today. By 250 million years ago the erosion of the mountains was well under way. The area around East Devon was receiving vast amounts of sediment by river and later by lake deposition. In dry spells the wind would pick up the dust and fine sand creating sand dunes which would migrate across the desert landscape.



Photo: Otter Sandstone

Travelling East from Devon to East Dorset, the youngest part of the Jurassic Coastline can be seen. This was a mere 25 million years ago at about the same time that the Alps were created in Southern Europe.

The 'Isle of Purbeck' is not a stones throw from when I am sitting right now! (Not that I am claiming to be able to throw stones 5 km or so). Throughout much of the Purbeck massive bands of rock have been heaved up into a near vertical orientation by

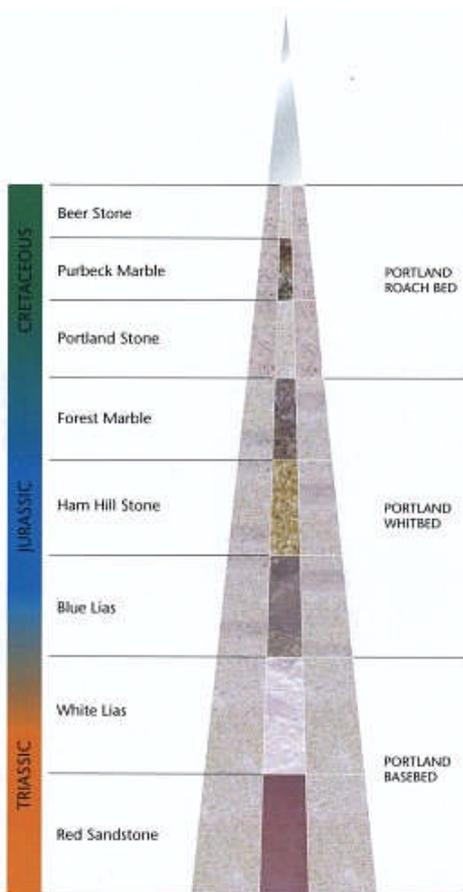
unimaginable Earth forces (see photo: Stair Hole). The coast cuts across this geology and the hard bands of rock form headlands and the softer layers, bays. The sea has punched through the hard barrier of the Portland Limestone, creating the perfect arch of Durdle Door. Weaknesses within the Chalk have also lead to the formation of caves, and these may collapse to form towering sea stacks. The most famous in Dorset we know as 'Old Harry' (and his unfortunate wife has long since crumbled into the sea). Just across the bay you can also see the Isle of Wight 'Needles'.



Photo: Old Harry Rocks

You cannot have all of this interesting geology without a rich resource of fossils, and minerals. If you look at the 'Geoneedle' below you may recognise some of the World famous building stones. For example Portland Stone was used by Sir Christopher Wren (1673) to build St Paul's Cathedral. The area is very rich in sands, gravels, clays, stone and oil!

The Wessex Basin is located in the counties of Dorset and West Hampshire, and has been an area of oil exploration since oil seeps were observed by geologists in the 1930s. Currently, three fields are in production, Wytch Farm, Wareham and Kimmeridge all of which are operated by BP.

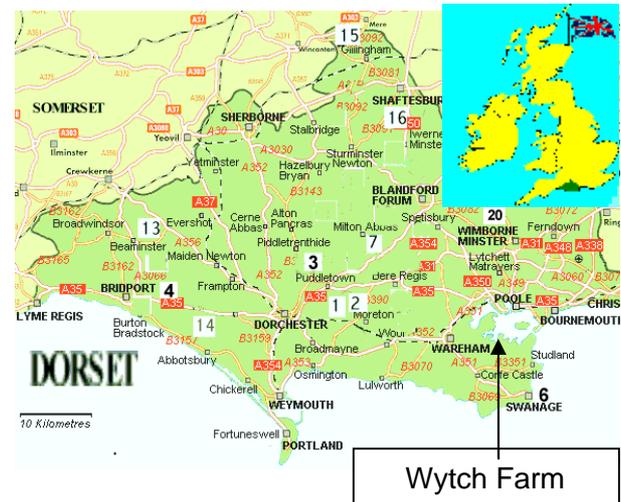


The Geoneedle was unveiled by HRH Prince of Wales in 2002 to inaugurate the World Heritage Site (located at Orcombe Point).

The most notable onshore success in the area was Wytch Farm. BP had been active in the area for some time with discoveries at Kimmeridge in 1959 and Wareham in 1964 which eventually produced at 100 BOPD until shut-in in 1970. Wytch Farm 1 was spudded in 1973 by the then 'Gas Council' as newly appointed operators of the licence shared with BP.

The Wytch Farm oilfield lies under Poole Harbour and extends eastwards under Poole Bay. Initial recoverable reserves are usually cited at around 300 million barrels of oil. The field comprises two main reservoirs: 'Bridport', a Jurassic sandstone at 924 metres below surface, and 'Sherwood', a Triassic sandstone at a depth of 1585

metres. The Bridport has original estimated recoverable reserves of 30 million barrels of oil and the Sherwood approximately 270 million barrels. The Sherwood reservoir was accessed using extended reach horizontal wells.



Wytch Farm is the largest onshore oilfield in Western Europe and has been developed in this a designated Area of Outstanding Natural Beauty for which the Operators and their partners has resulted in many environmental awards.

I hope you have enjoyed this article. I must acknowledge the regional websites that I have used to ensure that the key facts are correct. Particularly this link which you must browse:

[www.jurassiccoast.com/index.jsp](http://www.jurassiccoast.com/index.jsp)

I have borrowed most of the pictures from this site, and what I have shown you are all but the tip of the Geoneedle! I do encourage you to have a quick browse of this website, and even plan a future visit to this beautiful County. And if you do, you must 'pop in' (see if you can find "Wool" on the map).

**“END-POINT...”**

*End-point is provided by your Editor for ‘miscellany’. Please feel free to send in your contributions...*

12<sup>th</sup> ADIPEC. Preparations for the 5-8 November 2006 Abu Dhabi International Petroleum Exhibition & Conference are in full swing. The focus of this conference will be in integration of the entire cycle of oil and gas production development. Geosciences, Fields Development, Drilling & Completion Technology, Excellence in Engineering Project Management, Enhanced Oil and Gas Operations, HSE and Asset Integrity Standards. The Organizing Committee has chosen "*Meeting the Increasing Oil & Gas Demand through Innovation*" as the Conference theme.

SPE. Annual Technical Conference and Exhibition 24 - 27 Sep 2006, San Antonio, Texas USA.

Society of Petrophysicists and Well Log Analysts 2006 SPWLA Annual Symposium Veracruz, Mexico June 4-7.

DEVEX 2006 The Production & Development Conference & Exhibition 17<sup>th</sup>-18<sup>th</sup> May at the Aberdeen Exhibition & Conference Centre. Organised jointly by PESGB, DTI, AFES & SPE. Devex breakfast and keynote speaker Michael Engell-Jensen Managing Director of Maersk Oil North Sea UK Limited.

Next SCA News The next issue will be August 2006. Please send your contributions to me by the 14<sup>th</sup> July please.

My thanks to all contributors in this issue of SCA News. I leave you with this picture of the bear (he is the one on the right). My thanks to Jorgen “Yogi” Vindum for sharing this magnificent sculpture. Perhaps some more chain saw themes in the next SCA

News...There are more of us about than you might think!

Photo: Courtesy of Yogi & Yogi Inc.



This reminds me of a joke:

*There were three chaps sitting in a bar around a log fire with their pet dogs and bragging about them.*

*The first chap says “my dog is called Woodworker – go Woodworker.” The dog grabs a log from the fire and with his teeth and paws fashions a beautiful figurine.*

*The second chap says, “My dog is called Stoneworker – go Stoneworker.” The dog drags a rock from the fire front and a beautiful carving emerges.*

*The last chap says, “My dog is called Ironworker” and he puts the fire tongs into the fire and heats them until glowing red hot. “Now,” he says, “I’ll just touch him on the rear and you watch him make a bolt for the door!” Anon.*

For those that celebrate Easter,  
Happy Holidays!

*Andrew Cable  
VP Publications*