

NEWSLETTER

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Sale ends 10 November 2023

Books featured include: MINERALS & GEMSTONES of Southern Africa, GEOLOGICAL HIGHLIGHTS of East Africa's National Parks, West Coast: A Natural History, AFRICA'S Top Geological Sites, Prospecting in Africa, and THE CAPE FOLD BELT.

INSIDE THIS ISSUE:

- President's Column
- 2024 Membership Fees
- Book Sale
- 2024 Provisional Events Calendar
- Nick Norman book launch
- African Exploration Showcase
- SAJG Vol 126 (3) now online
- Past online course recordings
- YPG division - Logo Competition
- SAMCODES Snippets
- MINSA - Night at the Museum
- 12IKC
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STEVE MCCOURT

GSSA PRESIDENT

The GSSA strives to provide members with opportunities for continuing education/training and professional development. An important aspect of this endeavour is the various online courses and workshops offered by the GSSA and organized by the Meetings Committee. The latter, which is currently chaired by VP Joshua Kilani, comprises a group of 12-15 professional geoscientists (i.e., they have full-time jobs) that offer their time and expertise to the Society on a voluntary basis. I would like to take this opportunity to recognize them both as a team and as individuals and to thank them for their efforts throughout 2023 and the planning that has started for events to be held in 2024.

Despite the success of having GeoCongress 2023 as a face-to-face event, the Meetings Committee will continue to focus on virtual events as it is these that best serve the membership, particularly those based outside Gauteng including those in Botswana, Namibia and Zimbabwe. During October, the team supported by staff from the GSSA office hosted the, online, 3D Geological Modelling course and the Mineral Resources and Mineral Economics course while next month they will organize the technical programme for the African Exploration and Technology Showcase (AES) meeting at the Johannesburg Country Club in Auckland Park. This is the final meeting of the year and the event organisers and sponsorship team have been hard at work over many weeks to ensure it will be a success.

In addition to the AES, the Johannesburg Country Club is the venue for the 2023 Fellows Dinner. This takes place on November 16th and the Guest Speaker will be Mr Barend Petersen, Executive Chairman at De Beers Group. At the Fellows Dinner, the Society will present its senior awards (The Draper Medal, The Des Pretorius Award and The Jubilee Medal) to the recipients identified by the Fellows Committee and will induct the newly elected Fellows. The GSSA has a total of 636 elected Fellows of which 550 are based in South Africa. Of these, 328 (~60%) are in Gauteng with the next biggest grouping (121) being in the Western Cape.

In response to an invitation received from Ms Thabitha Machaba, President of the Institute of Mining Surveyors of Southern Africa, I attended the 100th Annual Meeting and 101st Annual General Meeting of the IMSSA at the Protea Hotel in Clarens, Free State. The IMSSA is a much smaller organization than the GSSA with a current membership of 342 Members and Fellows of which 85 are retired, honorary or students. The membership is spread between branches in the mining districts of Limpopo, Mpumalanga, North West and the Free State. Around 70 Members and Fellows attended the Annual Meeting and AGM.

The Annual Meeting was on October 19th and took the form of a colloquium dealing with the challenges and technologies used for reworking and managing old mines. A total of 11 technical papers were presented and it was fascinating to note the range of sophisticated equipment, including drones, being used by Mine Surveyors both underground and on surface. The AGM was held on Friday 20th and took the form of a business meeting during which the current Senior Vice-President Mr Sybrandt Byleveldt was inducted as the next President. Mr Byleveldt is the Mine Technical Services Manager at Impala Bafokeng Mine (previously Royal Bafokeng) and I took the opportunity to discuss the potential for mine visits during the Merensky 100 Meeting in Rustenburg in August 2024 with him.

2023 AFRICAN EXPLORATION SHOWCASE

COUNTRY CLUB JHB
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- Data Analysis in DRC
- Prospectivity of the Northern Cape
- Groundwater Exploration in Africa
- Pan African Resources Exploration and Operations
- Coal Exploration
- Namakwa Sands Deposit
- Geotechnical imaging ahead of mine development
- Osino Twin Hills Success Story
- Uranium Exploration in the Tim Mersoï Basin, Niger
- Panel discussion: Is net zero possible with the rate of exploration.



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Date	Event	Location
20 February	UNFC Workshop REGISTER NOW	Online - Free
12 March	CPD Workshop REGISTER NOW	Online - Free
18 April	Advanced Excel for Geoscientists (Earthlab)	Online
26 April	Titans of Industry	Jhb
2 & 3 May	Sampling & Data Management	Online
25 - 26 May	KZN Brittle Deformation Field trip	KZN North Coast
6 June	GIS for Exploration	Online
3 & 4 July	Map Making (MINROM)	Online
6 August	Intro to Drilling workshop REGISTER NOW	Online - Free
15-24 August	100yr Merensky - Conference and Field Trips MORE INFO	Pre-conference field trip, Eastern Limb Conference and post-conference field trips Rustenburg
Sep	ESG Update Workshop	Online - Free
3-24 Sep	Drilling Methods & Techniques - Colin Rice	Online
26 & 27 Sep	Data Analytics / Machine learning - Glen Nwaila	Online
1 October	Professionalism & Ethics	Online - Free
8 October	3D Geological Modelling - Ian Basson	Online
23 & 24 Oct	Mineral Economics (MR Classification, financial valuation, sustainability)	Online
13 & 14 Nov	African Exploration Showcase	Jhb

THE WOODPECKER MYSTERY

Nick Normans' new book is titled "The Woodpecker Mystery: The Inevitability of The Improbable", and addresses continental drift from the standpoint of biogeography. It is the story of the interplay between the breakup of Gondwana and the flora (trees) and fauna (birds) in the various continents we see today. The book is written for the general public, though professional geologists will find it of interest as well. If you are 'twitcher' with an interest in geology and botany, the book is a must-read. It makes a complex story rather easier to understand, particularly for non-professionals.

The book will be available from the GSSA as well as leading book stores. The Cape Town launch was on October 25th; the Johannesburg launch will be on November 7th at Exclusive Books in Sandton City, starting AT 6:00 PM.

Craig Smith



PLEASE JOIN US FOR A

BOOK LAUNCH

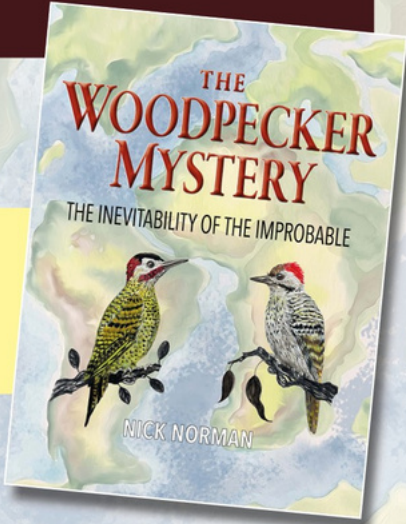
WITH
CELEBRATED GEOLOGICAL AUTHOR
NICK NORMAN

For the past seventeen years, Nick Norman has brought you roadside geology with his books, *Geological Journeys* and *Geology off the beaten track*.

Now he has broadened the scope of the passions he loves to share to include birds and trees. Come and get a glimpse of the extraordinary world that his new book, *The Woodpecker Mystery*, opens up.

**Nick will be in conversation
with Jean Jacques Cornish**

DATE: Tuesday 7th November
ADDRESS: Exclusive Books, Sandton City
TIME: 18h00 - 20h00
RSVP: events@exclusivebooks.co.za



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SOUTH AFRICAN

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A

B

Cross-sections of the Powerline Road (A) and Maid-of-the-Mists (B) synclines in the central Barberton Greenstone Belt. See Zametzer et al., 235-260 for details.

HIGHLIGHTED IN THIS ISSUE:

- Tectonic and sedimentary evolution of a potential supra-detachment fault basin, Moodies Group (~3.22 Ga), Barberton Greenstone Belt
- The Beacon Heights "Tinguaitite" (Phonolite): A recrystallised agpaitic ignimbrite in the Pilanesberg alkaline complex, South Africa
- Origin, nature and fluid characteristics of the hydrothermal veining crosscutting the Yzerfontein gabbro-diorite, Cape Granite Suite, South Africa
- Okorusu tailings – Part I: General characterisation of superficial tailings
- Okorusu tailings – Part II: REE mineralisation, and oxygen and carbon isotope variations

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LOGO COMPETITION

Presented by:

GSSA-YPG



The Young Professional Geoscience division serves as a bridge between students and early-career geoscientists under the age of 35 and the broader Geological Society of South Africa (GSSA). This division seeks to fill a significant gap in the GSSA parent organization by ensuring the younger demographic feels represented, heard, and catered for in terms of resources and opportunities.

We aim to:

- Facilitate networking opportunities amongst peers and with veteran geoscientists
- Offer platforms for professional skill enhancement
- Provide insights into the evolving trends of geoscience
- Promote the significance and application of geoscience to a broader audience

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Public Reporting Standards

SAMREC Code Clause 3 defines Public Reports as “reports prepared for the purpose of informing investors or potential investors and their advisers on Exploration Results, Mineral Resources or Mineral Reserves. They include, but are not limited to, annual and quarterly company reports, press releases, information memoranda, technical papers, website postings and public presentations.”

These Public Reports may be in printed or electronic media (including social media) and will include JSE circulars, reports as required by the Companies Act and reports for other regulatory authorities or as required by law.

Public Reporting refers to any documentation which may find its way into the public domain. It refers not only to reporting or documentation by companies listed on a Securities Exchange, but also includes documents compiled by/for private companies or individuals.

While every effort has been made within the Code to cover most situations likely to be encountered in Public Reporting, there may be occasions when doubt exists as to the appropriate form of disclosure. On such occasions, users of the Code and those compiling reports to comply with the Code should be guided by its intent, which is to provide a minimum standard for Public Reporting and the guidelines of materiality, transparency and competence, and to ensure that such reporting contains all information which stakeholders, interested parties, investors and their professional advisers would reasonably require, and reasonably expect to find in the report, for the purpose of making of a reasoned and balanced judgment regarding the Exploration Results, Mineral Resources or Mineral Reserves being reported.

Attracting finance for exploration and mining ventures is a critical part of the resource business environment today, and there are a number of finance options available, including accessing private equity. With the increase in the number of non-listed (private) companies and individuals seeking to obtain financial assistance, it is important to appreciate that issues of public reporting are not confined to listed companies only.

Under all circumstances, if Exploration Results, Mineral Resources and/or Mineral Reserves are reported publicly, and if said report is claimed to have been compiled in accordance with any of the SAMREC, SAMVAL or SAMOG Codes, then the report and the author are subject to the minimum standards and requirements of the relevant Code as well as the complaints procedure of the SAMCODES Standards Committee (SSC).



Presents

NIGHT AT THE MUSEUM

This sleepover program will afford MINSA members (and friends of MINSA e.g. GSSA/SAIMM members) the opportunity to spend the night at the museum amongst their favourite exhibits

The program will include:

- Guided tour of the museum
- Visit to the discovery centre

Activities: Scavenger hunt | Quiz | Games | Movie (Night At The Museum 2)

This is a program especially designed for families with children, so please do bring the whole family along...kids and all. Unlimited access will be provided of the Museum!

Date: 2023-11-24 (Friday 24th of November 2023)

Time: 17:30

Venue: Ditsong Museum, Minaar Street (a.k.a. "Transvaal Museum of Natural History")

Cost: R160/person

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- **Introduction to SAMCODES** - 15 & 22 March 2023
- **Advanced Excel for Geologists** - 18 April 2023
- **Sampling & Data Management** - 2 & 3 May 2023

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