PRE 3
The Permo-Triassic Boundary in the Karoo

FIELD TRIP LEADERS: Johann Neveling and Robert Gastaldo
The Permo-Triassic Boundary in the Karoo: A straightforward or complex change?

The Karoo Basin in South Africa is one of only a small number of continental sequences that records the terrestrial expression of the end-Permian mass-extinction, generally considered to represent the largest ecological catastrophe to have befallen life on earth.

The majority of Permo-Triassic Boundary sections in the Karoo occur in inaccessible locations and as a result very few scientists have been able to visit and scrutinize these localities.

This trip offers a unique opportunity to interested scientists to visit at least six of the main Permo-Triassic Boundary localities reported in the literature. Delegates will have the opportunity to assess currently published models for the response of terrestrial ecosystems to the crisis, as well as recently acquired stratigraphic, sedimentological, geochronometric, palaeomagnetic, and palaeontological data used to test these hypotheses.

Field Trip Leaders: Johann Neveling and Robert Gastaldo
Start: Cape Town
End: Cape Town
Dates: 6 days, Monday 22nd to Saturday 27th August 2016

ITINERARY

<table>
<thead>
<tr>
<th>DATE</th>
<th>ROUTING</th>
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<tr>
<td>22 AUGUST 2016</td>
<td>CAPE TOWN to THE KAROO COUNTRY INN AND GUESTHOUSE (or similar) - BB (MIDDELBURG)</td>
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<tr>
<td>23 AUGUST 2016</td>
<td>THE ROYAL HOTEL (or similar) - BB (BETHULIE)</td>
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<td>24 AUGUST 2016</td>
<td>GANORA GUESTFARM (or similar) – BB (NIEU BETHESDA)</td>
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<td>25 AUGUST 2016</td>
<td>GANORA GUESTFARM (or similar) - BB (NIEU BETHESDA)</td>
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<td>26 AUGUST 2016</td>
<td>DIE TUISHUISIE (or similar) - BB (CRADDOCK)</td>
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<tr>
<td>27 AUGUST 2016</td>
<td>DIE TUISHUISIE (or similar) to CAPE TOWN</td>
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END OF TOUR

22 AUGUST 2016 Monday
Upon arrival guests will be met by their guide who will accompany them to their waiting vehicle that will transport them to Middelburg. Lunch will be supplied en-route. After having arrived at the Karoo Country Inn Hotel guests will be able to relax and have dinner.

Overnight at The Karoo Country Inn Hotel on a BB Basis

23 AUGUST 2016
After breakfast guests will depart the hotel and make their way towards Bethulie where they will be visiting the Bethulie Section. Lunch will be supplied at the section. After having spent the day at the locality guests will be taken to The Royal Hotel where they will spend the night.

Overnight at the Royal Hotel in Bethulie on a BB basis
24 AUGUST 2016

Guests will depart Bethulie in the early morning and will make their way towards the Ganora Guestfarm where the next two nights will be spent. En-route they will visit Carlton Heights which will be followed by lunch in Middelburg as well as a visit to Lootsberg Pass.

24-25 August 2016  Overnight at Ganora Guestfarm on a BB Basis

25 AUGUST 2016

Today Old Lootsberg Pass will be visited before returning to Ganora Guestfarm where the evening will be spent. Lunch will be supplied at the locality.

26 AUGUST 2016

After having enjoyed a leisurely breakfast guests will start making their way towards Cradock where they will visit Wapadsberg Pass as well as Commandodrif. Lunch will be supplied en-route. After having spent the day exploring guests will make their way back towards Craddock where the night will be spent at Die Tuishuisie.

Overnight at Die Tuishuisie on a BB Basis

Die Tuishuisie an elegant collection of 25 restored Victorian era crafts-men’s houses in Cradock, the frontier town at the eastern edge of the Great Karoo. These houses line Market Street up to the Victoria Manor, a grand old colonial hotel that welcomes fare, décor from the days of Cecil John Rhodes, Olive Schreiner and the droves of adventurers who passed here en route to the hinterland. Each cottage is decorated antiques and period prints to capture Settler living at the turn of the century.

Typical Karoo dinners are served at the Victoria manor, specialties include Karoo lamb, boboties, chicken pies etc.

Cradock is a place of literary legends, war heroes and anti-Apartheid struggle icons. But it is perhaps best known for street level, day-to-day, warmth and kindness – so typical of much of the Eastern Cape. For nature lovers, Die Tuishuisie is a great base from which to explore the unique landscapes, animals and plants of the nearby Mountain Zebra National Park.

27 AUGUST 2016

After sunrise guests will start their journey back towards Cape Town. Lunch will be served en-route.

Meal Key

BB   Bed and Breakfast  
DBB  Dinner, Bed and Breakfast  
DBB+  Dinner, Bed and Breakfast plus one additional activity  
DBB++  Dinner, Bed and Breakfast plus two additional activities  
FB  Full Board (includes 3 meals per day)  
FB+  Full Board (includes 3 meals per day) plus one additional service  
FB++  Full Board (includes 3 meals per day) plus two additional services  
FI  Fully Inclusive (includes all meals and local drinks), plus all activities
Vehicles:

(20 Passengers) This quote is based on 2 x 15 seater coaches (or similar) depending on availability at the time of confirmation.

(35 Passengers) This quote is based on 3 x 15 seater coach (or similar) depending on availability at the time of confirmation.

Minimum Persons 20
Maximum Persons 35

COST INCLUDES:

- 1 Nights accommodation at The Karoo Country Inn and Guesthouse on a BB basis
- 1 Nights accommodation at The Royal Hotel on a BB basis
- 2 Nights accommodation at Ganora Guestfarm on a BB basis
- 1 Nights accommodation at Die Tuinhuisie on a BB basis
- 6 x lunch (4 x packed lunches and 2 x Sit down lunches with 2 x beers and 2 x soft drinks included in Sit Down lunches only)
- 5 x dinner
- Transport in private touring vehicles
- Entrance fees to sightseeing venues as stated in the itinerary above

COST EXCLUDES:

- All airfares, air reservations and airport taxes
- All other accommodation
- All other meals
- All other transport
- All other sightseeing
- Personal expenses such as tips for meals, gratuities for guides & drivers, all alcoholic and other beverages, telephone calls and laundry
- Any other services not mentioned above