

# Excursion to Mount Sorrel, Buddon Wood, etc. (Charnwood Forest). Thursday. August 29th, 1912 - Geologists' Association excursion

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# Geologists' Association Circular No. 146. Session 1911-1912. p.8-9



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## **Excursion to Mount Sorrel, Buddon Wood, etc. (Charnwood Forest). Thursday. August 29th, 1912. (Transcription from GA Circular No. 146. Session 1911-1912. p.8-9)**

**DIRECTORS:** E. E. LOWE, B.Sc., F.L.S., and F. W. BENNETT, M.D., B.Sc.

**EXCURSION SECRETARY:** A. C. YOUNG, 17, Vicars Hill, Lewisham, S.E.

Leave St. Pancras at 10.5, due Leicester 12.15. Take ordinary cheap return tickets to Leicester. From Leicester continue the journey to Sileby by 12.24 train, due Sileby 12.41. Tickets (Leicester to Sileby, 5d. each) will be obtained in the train.

Walk (2 miles) by field path to Mount Sorrel. The Mount Sorrel area is most interesting from the petrological point of view, and it is to the petrology of the district that attention will be chiefly directed.

Typical Mount Sorrel granite will be first inspected and described, and suggestions made as to the significance of the departures from the type as they are examined in the course of the day.

In the main quarry at Mount Sorrel is a very striking basic dyke, traversing the quarry in a N.W. to S.E. direction. The surface of contact with the ordinary rock of the quarry is splendidly shown on the south-east side.

In another place acid felsitic veins are seen.

The main mass of granite is full of patches of dark fine-grained rock which have been variously spoken of as segregation masses and inclusions. The evidence for both views will be discussed.

The Keuper Marls are seen in section around the quarry, and on the south side is a mass of dark grey Drift containing Liassic fossils, chalk-flints, etc.

The journey to the north end of Swithland Reservoir has for its object the examination of granite more basic in character than that of Mount Sorrel. Similar rock will be afterwards inspected at Kinchley Hill.

The party will proceed to Brazil Wood, where the granite is seen in contact with what are doubtless Charnian rocks. The latter have been highly altered by contact with the igneous magma, and are seen in the most clear and diagrammatic contortions, The altered rock at this point approaches amicable schist in character and is unique in Leicestershire. It is much " slickensided," and excellent examples showing this structure may be collected. Small garnets have also been found in it.

The knoll of what has been called "hornblende diorite," adjoining Brazil Wood, will be inspected if the water is low enough.

Tea at the Griffin Inn about 5.30, price 1s.

The party will return through the grounds of the Swithland Hall to Rothley Station, G.C.R., leaving 6.52, arriving Leicester 7.5 (G.C.R.), and will then return to London by the 7.55 train (Midland Station). Due at St. Pancras 10 p.m. (Restaurant Car on this train).

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Geol. Survey Map, Sheet 155.

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1895. WATTS, PROFESSOR W. W., M.A. D.Sc., F R.S.—"Notes on some specimens collected in the trench, Brazil Wood, Charnwood Forest." *Trans. Leic. Lit. & Phil. Soc.*, July 1895, p. 12.

1603. FOX-STRANGWAYS, C., F.G.S.—"The Geology of the Country near Leicester." *Geol. Survey Memoir*, No. 156, 1603, p. 7. *Geology in the Field*, part iv, pp. 777-785. Price 4s;

1904. RASTALL, R. H., HA., F.G.S.—"On basic patches in the Mount Sorrel Granite." *Geol. Mag.*, p. 501.

1907. WATTS, PROFESSOR W. W., M A., D.SC., F.R.S.—"The Pre-Cambrian Rocks of Leicestershire." British Assoc. Guide to Leicester and;District, 1907. (N.B.—The Geological, portion of this Guide may be purchased from Mr. E. Masters, B.Sc., F.G.S., 186, Hinckley Road, Leicester, price 7d., post free.)

## Images

### Excursion to Mount Sorrel, August 29th 1912



Kinchley Hill.  
Quarry in  
quartz-diorite  
veined with a  
fine grained  
pinkish buff  
micropegmatite.



Views from  
Mount Sorrel  
showing flooded  
state of the  
country.



Views from  
Mount Sorrel  
showing flooded  
state of the  
country.



Granite Quarry  
at Mount Sorrel.

This is a  
hornblendic  
granite, grey or  
pink in colour  
and not unlike  
the Eskdale  
granite in  
character and  
composition.



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Granite Quarry  
at Mount Sorrel.

The age of the  
granite is  
considered to be  
the same as that  
of the Lake  
District and of  
south Scotland,  
viz. Devonian.



Joints in granite,  
Mount Sorrel.



Mount Sorrel  
granite pierced  
by dyke of  
felsite.



Brazil Wood.  
Contortions in  
Charnian rocks  
due to an  
intrusive granite  
dyke.

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- [Page 139 P805597](#) Granite Quarry at Mount Sorrel. This is a hornblendic granite, grey or pink in colour and not unlike the Eskdale granite in character and composition. Excursion to Mount Sorrel, August 29th 1912.
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- [Page 141 P805601](#) Mount Sorrel granite pierced by dyke of felsite. Excursion to Mount Sorrel, August 29th 1912. [Lines drawn to indicate dyke.].
- [Page 141 P805602](#) Brazil Wood. Contortions in Charnian rocks due to an intrusive granite dyke. Excursion to Mount Sorrel, August 29th 1912.
- [Page 141 P805603](#) Brazil Wood. Slickensided Charnian mica schist from junction of Precambrian schist and granite. Excursion to Mount Sorrel, August 29th 1912.

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