

Excursion to Bickley and Chiselhurst. Saturday, July 11th, 1914 - Geologists' Association excursion

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[Jump to navigation](#) [Jump to search](#)



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Contents

- [1 Geologists' Association Circular No. 168. Session 1913-1914. p.7-8](#)
- [2 Excursion to Bickley and Chiselhurst. Saturday, July 11th, 1914 \(Transcription from GA Circular No. 168. Session 1913-1914. p.7-8\)](#)
- [3 Images](#)
- [4 List of photographs](#)
 - [4.1 Excursion to Bickley and Chiselhurst, July 11th 1914](#)

**Geologists' Association Circular No. 168. Session 1913-1914.
p.7-8**



Excursion to Bickley and Chislehurst. Saturday, July 11th, 1914 (Transcription from GA Circular No. 168. Session 1913-1914. p.7-8)

DIRECTORS: HENRY DEWEY, F.G.S., and C. E. N. BROMEHEAD B.A. ,

EXCURSION SECRETARY: A. T. TODD-WHITE, Wentworth Lodge, Leytonstone.

In order to obtain special ticket; (1s. 4d.), meet Dr. Todd-White in the booking-office not later than 12.50. Leave St. Paul's (S E. & C.R.) 1.6 p.m., reaching Bromley South 1.40.

Walk from the station to Peill's Pit ; the section here shows London Clay 1 ft. to 18 ft., Basement Bed 3 ft., overlying the Blackheath and Oldhaven Beds, which consist of two members, the upper part alternating beds of clay and sand 24 ft. thick, the lower Pebble Beds seen to a depth of 38 ft.

During the walk to Elmstead the general structure of the district will be pointed out. At Elmstead examine the famous "Rock Pit," by kind permission of Mr. Harrison, in whose garden it is situated. The Blackheath Beds here consist of about 80 ft. of sand and pebbles, of which 20 ft. is exposed in the pit. Fossils are numerous, many species having been recorded. The shells are easily extracted, but very fragile.

Walk to the Bickley Hotel, in the grounds of which are the Chislehurst Caves.—"These are cut in the chalk and there are several miles of galleries, parts of which will be inspected under the leadership of the Hotel Guide. Tea will be taken here. A charge of 1s. 3d. covers the admission to the caves and plain tea; eggs extra.

Return train Chislehurst 7.27. London Bridge 7.45.

Total walking distance about 4 miles.

Sections at Peill's Pit and Elmstead are worth photographing.

REFERENCES.

Geological Survey Map, London District, Sheet 4.

Ordnance Map, 1 in., Sheet 271, New Series.

1889. WHITAKER, W—"Geology of London." Vol. i. *Mem. Geol. Surv*, pp. 115-117, 224-228, 236 237,

1902. YOUNG, A. C.—" Excursion to Elmstead and Chislehurst Caves," *Proc. Geol. Assoc.*. vol. p. 369.

1909. WOODWARD, H. B.—"Geology of London District." *Mem. Geol, Surv.* pp. 123, 124.

1903. NICHOLS, J.—"Chislehurst Caves and Dene Holes." *Brit. Archaeol. Assoc.*

NOTE Reprints of the last named paper can be obtained at the Hotel.

Images



Basement Bed of
London Clay,
Peill's Pit,
Bromley South.



Peill's Pit, South
Bromley.



Peill's Pit, South
Bromley.



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Blackheath
Pebble Beds at
Peill's Pit,
Bromley South.



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Blackheath
Pebble Beds at
Peill's Pit,
Bromley South.



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Blackheath
Pebble Beds at
Peill's Pit,
Bromley South.



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Blackheath
Pebble Beds at
Peill's Pit,
Bromley South.



Rock Pit,
Elmstead.



Rock Pit,
Elmstead.



Layer of pebbles
splitting up into
five, with
alternate layers
of fine sand.



False or current
bedded
Blackheath Beds
consisting of
pebbles and
sand.

List of photographs

Excursion to Bickley and Chiselhurst, July 11th 1914

- [Page 59 P804743](#) Basement Bed of London Clay, Peill's Pit, Bromley South. Excursion to Bickley and Chiselhurst, July 11th 1914.
Peill's Pit, South Bromley. Excursion to Bickley and Chiselhurst, July 11th 1914. The above sections show London Clay 1ft. To 18ft., Basement Bed 3 ft. Below this the Woolwich and Oldhaven beds which consist of two members of the upper part alternating beds of Clay and Sand 24 ft. thick, the Lower Pebble Bed seen to a depth of 38 feet.
- [Page 59 P804744](#) Peill's Pit, South Bromley. Excursion to Bickley and Chiselhurst, July 11th 1914. The above sections show London Clay 1ft. To 18ft., Basement Bed 3 ft. Below this the Woolwich and Oldhaven beds which consist of two members of the upper part alternating beds of Clay and Sand 24 ft. thick, the Lower Pebble Bed seen to a depth of 38 feet. Added note: The chalk has been carted here.
- [Page 59 P804745](#) Peill's Pit, South Bromley. Excursion to Bickley and Chiselhurst, July 11th 1914. The above sections show London Clay 1ft. To 18ft., Basement Bed 3 ft. Below this the Woolwich and Oldhaven beds which consist of two members of the upper part alternating beds of Clay and Sand 24 ft. thick, the Lower Pebble Bed seen to a depth of 38 feet. Added note: The chalk has been carted here.
- [Page 61 P804746](#) Blackheath Pebble Beds at Peill's Pit, Bromley South. Excursion to Bickley and Chiselhurst, July 11th 1914.
- [Page 61 P804747](#) Blackheath Pebble Beds at Peill's Pit, Bromley South. Excursion to Bickley and Chiselhurst, July 11th 1914.
- [Page 61 P804748](#) Blackheath Pebble Beds at Peill's Pit, Bromley South. Excursion to Bickley and Chiselhurst, July 11th 1914.
- [Page 61 P804749](#) Blackheath Pebble Beds at Peill's Pit, Bromley South. Excursion to Bickley and Chiselhurst, July 11th 1914.
- [Page 63 P804750](#) Rock Pit, Elmstead. Excursion to Bickley and Chiselhurst, July 11th 1914. The Blackheath Beds here consist of about 80 feet of sand and pebbles of which 20 feet are exposed in the pit. Fossils are numerous, many species having been recorded. The shells are easily extracted but very fragile.
- [Page 63 P804751](#) Rock Pit, Elmstead. Excursion to Bickley and Chiselhurst, July 11th 1914. The Blackheath Beds here consist of about 80 feet of sand and pebbles of which 20 feet are exposed in the pit. Fossils are numerous, many species having been recorded. The shells are easily extracted but very fragile.
- [Page 63 P804752](#) Layer of pebbles splitting up into five, with alternate layers of fine sand. Excursion to Bickley and Chiselhurst, July 11th 1914.
- [Page 63 P804753](#) False or current bedded Blackheath Beds consisting of pebbles and sand. Excursion to Bickley and Chiselhurst, July 11th 1914.

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Category:

- [Geologists' Association excursions](#)

Navigation menu

Personal tools

- Not logged in
- [Talk](#)
- [Contributions](#)

- [Log in](#)
- [Request account](#)

Namespaces

- [Page](#)
- [Discussion](#)

Variants

Views

- [Read](#)
- [Edit](#)
- [View history](#)
- [PDF Export](#)

More

Search

Navigation

- [Main page](#)
- [Recent changes](#)
- [Random page](#)
- [Help about MediaWiki](#)

Tools

- [What links here](#)
- [Related changes](#)
- [Special pages](#)
- [Permanent link](#)
- [Page information](#)
- [Cite this page](#)
- [Browse properties](#)

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- [About Earthwise](#)
- [Disclaimers](#)



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