GENERAL INDEX

TO

THE QUARTERLY JOURNAL

AND

PROCEEDINGS OF THE GEOLOGICAL SOCIETY.

Aber-Dinlle Fault (& Caernarvon earthquake), 241-42.
Aberdeenshire Area, Moine Gneisses in, 412-14; evidence as to the Highland sequence in, 423-29, 433-39.
Aberfoill (Perth), sect. to Alt a'choinn, 13.
Aberfoill Slates, 13, 16-17; limestones among, 28, 29.
Acland, H. D., on a new Cave on the E. side of Gibraltar, 30-35 figs. & pl. vi (plan & sects.).
Acrodus minimus, 209.
After-shocks of Derby earthquake of March 1903, 229-31; of Caernarvon earthquake of June 1903, 239-40 & map.
Agglomerates of Spring Cove, 159 et seqq., 164 figs.
Agglomerate-Crag (Pontesford Hill), petrography of, 466-70 fig., pls. xlii-xliii, & chem. anal.
Agnano (Italy), volcano of, 310.
Albite-gneisses of Loch-Lomond district, 19-21 fig. & pls. iv-v; nature of metamorphism of same, 26-27; chem. anal. of, 23-24.
Alt a’choinn (Scotland), sect. to Aberfoill, 13.
Alluvion ancienne, restriction of term, 316.
Almandine-garnets in Borrowdale Volcanic Series, 101-102.
Alps, age of lake-basins between the Jura & the, 65-69, 316-18.
Ammomites, Upper Jurassic, in Oxford University Museum, &c., 54-64 figs. & pls. ix-xii.
Amphiboles in Llyn-Padarn dyke-rocks, 384-85; see also Hornblende.
Amphill "Clay, Perissphiotes variocostatus from, 59.
Amygdaloidal basalt at Middle Hope, &c., 140, 142-43 figs., 146, 152; at Spring Cove, 152-53 & pl. xvii (microscop. sect.), 158 et seqq. figs.; a. b. of Pontesford Hill, 479.
Analyses, chemical, of Loch-Lomond rocks, 22-24; of Pontesford-Hill rocks, &c., 456, 469.
Andalusite in rocks of Moine Series, 427, 428.
Andesites of Dardanelles area, 253 et seqq., 270-77.
Andesite-Group of Falcon Crag, garnetiferous rocks in, 86-89 & pl. xiii; A.-G. of Pontesford Hill, 454, 463-74 figs., pls. xii-xiii, & chem. anal.
Angle-Tarn Gill (Lake District), dykes of, 74, 76.
‘Annealing’ of flints, 114.
Annual General Meeting, ix.
Anomia sp. (Rheic), 201 & pl. xviii.
Anthracotherium cf. minus, 286 & pl. xxiv.
Anticlines in the Loch-Lomond district, 13-14; in N.W. Gloucestershire & Worcestershire, 355 et seqq.
Apatite in Llyn-Padarn dyke-rocks, 379; in rocks of Moine Series, 407, 408.
Aquitanian foss. fr. Dardanelles area, 285, 288; see also Oligocene.

2 r. 2
Arabli (Turkey), Sarmatic freshwater fossils from, 283.
Ardlui (Loch Lomond), metamorphosed albite-gneiss of, 26 & pl. v.
Arley-Mine coal-seam, 394.
Arnboth Dyke, garnets in the, 86 & pl. xiii.
Arnold-Bebirose, H. H., 216, 221, 227; on some Quartzite-Dykes in Mountain-Limestone near Snelston (Derbyshire), 364-69 & pls. xxx-xxxi.
Artaki Peninsula (Marmora), 244.
Ascension I., specimens, &c. from, cx.
Ashburton (Devon), map of the neighbourhood of, 329.
Ashes above streaky rocks in Borrowdale Volc. Series, 97-98 & pl. xiv; banded ashes in Haweswater district, 99; do. at Great Crag, 92 fig.; ashes assoc. w. Carb. Limest. of Bristol district, 140 et seqq., 154-55 & pl. xvii; see also Tufts.
Assets, statement of, xl.
Astroni (Italy), volcano of, 310-11.
Atkin, A. J. R., the Genesis of the Gold-Deposits of Barkerville (British Columbia) and the Vicinity, 389-93.
Auditors elected, v.
Augite-andesite of Pontesford Hill, 471 & pl. xliii, 472.
Augite-porphyrite, rock intermediate betw. granophyre and, 78.
Auri'erous deposits of Barkerville (B.C.) & vicinity, 389-92.
Beaches, raised, see Raised beaches.
Beattie, H. J. L., Barlow-Jameson Fund award to, xlviii.
Beaver, as a factor in modification of river-landscapes, 121.
Beinn-Ledi Group, 13 et seqq., 17-21.
Bell, A. M. [on flint-implements, fr. Surrey], v; Implementiferous Sections at Wolvercote (Oxfordshire), 120-30 figs.
Bell, M., obituary of, lxxviii.
Bending, zonal, in the region of the Alps, 66.
Bettws-Garmon & Clynnog Fault, 421.
Bibliography of the Edestidae, 7-8; of the glacial geology of Tasmania 38 et seqq.; of igneous rocks assoc. w. Carb. Limest. of Bristol district, 137 et seqq.; of the Rhetic Series, 190-92, 201, 212-13; of geology of the district surrounding the Dardanelles, 274-75; of Pontesford Hill, 450-52.
Bidston (Cheshire), Derby earthquake recorded at, 222-23; Caernarvon earthquake recorded at, 235, 237.
Bigsby medallists, list of, xxxiii.
Balanced (Aberdeen), Moine Series near, 438.
Balkou-keui (Turkey), Miocene, &c. at, 245.
Banvie Burn (Perth), Moine Gneisses, &c. of, 420-21, 432.
Barkerville (B.C.), genesis of gold-deposits of, 389-93.
Barlow-Jameson Fund, awards from, xxxiii.
Barnwell (Cambs), Upper Gault stone of, 360-63.
Barrow, G. [exhibits striated boulder fr. Scilly Is.]; on the Moine Gneisses of the East-Central Highlands and their Position in the Highland Sequence, 400-44 figs. & pls. xxxiii-xxxvii (map & microscop. sects.).
Baryo-celeste at Redland, 175; at Cotham Road, 178.
Basalts assoc. w. Carb. Limest. of Bristol district, 137 et seqq. figs. & pls. xvi-xvii, 158-69 figs.; basalts of Pontesford Hill, 454, 478-82 fig., pl. xliii., & chem. anal.
Bastard limestone, 365.
Bather, F. A., 34, 399.
Bathurst, W. H. & BLAIR, Eoscorpius spartensis, sp. nov., from the Middle Coal-Measures of Lancashire, 394-99 figs.
Balloch Farm (Invercauld), quartzite, &c. near, 414, 437-38.
Baker, C. F. [chem. anal. of Pontesford Hill rocks], 469, 481.
Bala age of most of the Llyn-Padarn dykes, 373, 387.
Balance-sheet for 1903, xxxvi-xxxvii.
Baldwin, W. (& W. H. Sutcliffe), Eoscorpius spartensis, sp. nov., from the Middle Coal-Measures of Lancashire, 394-99 figs.
Baloch Farm (Invercauld), quartzite, &c. near, 414, 437-38.
Biotite, Baron C. de, receives Lyell medal for A. G. Nathorst, xlv.

Biotite in Llyn-Padarn dyke-rocks, 385; of the Moine Gneisses, &c., 407, 412, 414 et seqq., 437.

Biotite-andesites of Dardanelles area, 253 et seqq., 276-77.

Biotite-granulite of the Falar area, 434.

Birmingham (Warwick), Derby earthquake recorded at, 220 fig., 221-22; Caernarvon earthquake recorded at 235-37 fig.

Birnbeck Cove, see Spring Cove.

Black Shales (Rhoetic) at Redland, 171 et seqq.; at Cotham Road, 177, 178; at Aust, 179; at Stoke Gifford, 193; condits. of deposit of, 182-83; nr. Chipping Sodbury, 193 et seqq. figs., 213; in N.W. Gloucestershire & Worcestershire, 349 et seqq.

Blair Atholl (Perth), Moine Gneisses of, 409.

Blake, Rev. J. F., exhibits Acanthocyclus v. costatus from Osmington, ii.

Blea Crag (Langstrath), intrusive complex of, 70-76 fig. & pl. xiii w. chem. anal.

Blotch-Rock of Moine Series, 409 et seqq.

Bone-Bed of Moine Series, 409 et seqq.

Bone-Bed of the Highland area, 448.

Boulder-Clays, typical, in Tasmania, 45, 51, 52.

Boulton, W. S., on the Igneous Rocks at Spring Cove, nr. Weston-super-Mare, 158-68 figs.; the Igneous Rocks of Pontesford Hill (Shropshire), 450-84 figs. & pls. xiii-xlivii-xliii (map, sects., & microscop. sects.).

Bourne Bank (Worcest.), Rhaetic, &c. at, 351.

Bow Fell (Lake District), intrusions in the neighbourhood of, 76-79.

Braemar (Aberdeen), Moine Gneisses of area flanking the Dee above, 412-13; evidence as to Highland sequence in the area, 423 et seqq. & pl. xxxvii.

Brages, G. S., 228.

Brassington (Derby), pipes in limestone near, 370-71.

Breach in new cave at Gibraltar, 30 et seqq., 36; of Ore Gap, 77, 97; garnetiferous, of Frith Wood, 37, 88; of Glaramara, &c., 97-98; rhyolitic, of Pontesford, 454, 474-76 & pl. xliii.

Bristol District, igneous rocks assoc. w. Carb. Limest. in, 137-57 figs. & pls. xvi-xviii, 158-69 figs.; Rhaetic sects. in, described, 170-79.

British Association geol. photographs, evii.

British Coal-Measures, occur. of Edes. tus in, 1-9 figs. & pl. 1; see also Coal-Measures.

Brooke, J. W., ex.


Buckling structure in rocks of East Central Highlands, 445.

Bull Crags (Langstrath), 74.

Burbows, H. W., 294.

Burtness Combe (Buttermere), intrusive complex of, 83-85.

Buscoe Sike (Bow Fell), porphyrite of, 77.

Bushley (Worcest.), Rhaetic, &c. near, 351.

Buttermere (Lake District), intrusive complex of Burtness Combe, 84-85.

Bye-laws, alterations in, vi-vii, viii, evi-cvi.

Cadbury Camp (Somerset), igneous rocks near, 147, 151.

Caernarvon earthquake of June 19th, 1903, & its accessory shocks, 233-42 figs. & pl. xx (map).

Cairngorm Granite, Moine Gneisses of area south-east of the, 413-14.

Calc-flintas of the East-Central Highlands, 426-27, 428 et seqq.

Calcite as a matrix of gold, 391, 392, 393.

Callater, Glen (Aberdeen), 'felspar-rock' of, 442-43.

Calvert, F., quoted, 255 et seqq. 265 270, 272.
Camaldoli (Italy), yellow tuff-volcano, 306.
Campana (Italy), volcano, 311.
Campylorhynchus, 3, 7.
Capodimonte (Italy), yellow tuff-volcano, 306.
Caprara (Italy), trachyandesite of, 310.
Carbonicola acuta, horizon of, 394.
Carboniferous glacial beds in Tasmania, 43, 49 & map (p. 50), 52.
Carboniferous Limestone, igneous rocks assoc. with, in Bristol district, 137-57 figs. & pls. xvi-xvii, 158-69 figs.; sequence of C. L. Series, 148; see also Mountain-Limestone.
Cardinia concinna aff. regularis, 204-205 w. fig. & pl. xviii.
Cardium cloacinum, 201, 207-208 fig.
Cardium protractum, 282-83 & pl. xxiv.
--- rhaeticum, 201, 208.
Cariboo Schists, 389.
Catalogue of Library, x, xiv.
Cave, new, at Monkey's Quarry (Gibraltar), 30-36 figs. & pl. vi (plan & sects.); see also Gough's Cavern.
Cave-earth in Gough's Cavern, 338-39.
Celestine-bed at Redland, 175.
Central Highland Quartzite, 413 et seqq.
Centrobatidae, families included in, 135.
Ceratodus latissimus, 209.
Chagford basin (Devon), so-called, 319.
Chalk (I.), Ptychodus decurrens from, 133-36 fig. & pl. xv.
Chalk-flints in Gunwalloe shingle-beach, & in other Cornish localities, 113 et seq.
Changes of level, continental, lxxx-civ; in Dardanelles area, 261 et seqq.; table i; in Neapolitan area, 297-98.
Chaxhill (Gloucester), Rhætic, &c. at, 353.
Cheddar (Somerset), human remains found in Gough's Cavern, 335-48 figs. & pl. xxix.
Chipping Sodbury (Gloucester), Rhætic, &c. near, 185-98 figs.; sandstone-dykes at, 370.
Chlorite in Llyn-Padarn dyke-rocks, 385 & pl. xxxii.
Cigliano (Italy), volcano of, 311.
Cladocora cf. articulata, 290.
Clark, W. B., elected For. Corresp., ex.
Clay-beds, barren (Rhætic), 171 et seqq., 184-85.
Close, J. H., obituary of, lxxix-lxxxiv.
Clunie (Perth), crag of Moine Gneisses, 405 fig.
Clunie, Glen (Aberdeen), geol. map of, 422; note on same, 423.
Coal-basin, Oligoc., of Keshan, 246-47; of Tchatal Tepé, &c., 249.
Coal-Measures of Britain, occur. of Edestus in, 1-9 figs. & pl. i; C.-M. (Middle), of Lancashire, Eoseorpius from, 394-99 figs.; C.-M. round Pontefract Hill, 453.
Cockshead Lane, see Snelston.
Colour-banding in gneisses coincident w. bedding, 403.
Combes (Turkey), Oligoc., &c. at, 251, 252 fig.
Come, Lake of, origin discussed, 67.
--- 'Concertina-structure' in the Moine Series, 443.
Concretion fr. Vancouver l., ii.
Conglomeratic vol. rocks of the Phlegræan Fields, 302-303.
Constructive metamorphism, 12-13.
Contact-metamorphism in the Loch-Lomond district, 25-26.
Contemporaneous origin of igneous rocks assoc. w. Carb. Limest. of Bristol district, 139-47 figs.
Continental elevation & subsidence, lxx-xiv.
Coomb Hill (Gloucester), Rhætic at, 351.
--- 'Coome-Rock,' possibly equiv. to 'head' of Cornish coast, 110.
Corallian (Upper) age of Peri~hinctes plicatilis, 56.
Corbicula semistriata, 287 & pl. xxiv.
Corbula sp. (Stampian), 227-88.
Corfield, W. H., obituary of, lxxix-lxxxv.
Cornwall, probable Eocene outlier off coast of, 113-19 figs.
Corrosion of flint-pebbles, 114, 118-19.
Cotham Marble at Redland, 171 et seqq.; at Stoke Gifford, 175, 176, 195; at Cotham Road, 177, 178; at Aust, 178; nr. Chipping Sodbury, 197; origin, &c. of, 185.
Cotham Road (Bristol), Rhætic at, 177-78.
Council, report of, ix; Council & Officers elected, xxiii-xxiv.
Craignahuilie (Scotland), meta-morph. grit from, 16 & pl. ii.
Craters, concentric & excentric, 308 et seqq.; do. of explosion, 309.
Creep along faults & earthquake-phenomena, 242.

Cretaceous pebbles in Gunwalloe shingle-beach, 113.

Crack, W. D., obituary of, lxxx.

Crisci (Italy), Hill of the, 312.

Criscliffe Knotts (Lake District), dykes below, 79, 82.

Crowle (Worcest.), Rhetic, &c. at, 351.

Croydon (Surrey), pakeolith from, v.

Crush-brecciation, zone of, in Borrowdale Vol. Series, 97.

Crush-zone in Llyn-Padarn area, 378-79.

Crust-movements & changes of level, cir.

'Crystal-tuffs' of Pontesford Hill, see Tuffs.

Crystalization, decreasing, belt of (in East-Central Highlands), 415 et seqq.

Cunningham-Craig, E. H., Metamorphism in the Loch-Lomond Districl, 10-28 figs. & pls. ii-v. (microscop. sects.).

Cyclosieris cf. Perezii, 290 & pl. xxiv.

Dalnacardoch (Perthshire), pink-edged gneiss of, 409 & pl. xxxiv, xxxvi; massive grey gneiss near, 409.

Daniel-Pidgeon Fund, awards from, xxx, cix.

Dardanelles (Turkey), Eocene & later formations surrounding the, 243-75 figs. & pls. xxi-xxiii (maps); rockspecimens. & foss. fr. do., 276-95 & pl. xxiv-xxv.


Donors to Library & Museum, lists of, xiv-xx.

Double shock in Derby earthquake, 218-21; relat. of sound to same, 215-26; double shock in Caernarvon earthquake, 235.

Dreissena polymorpha, 280 & pl. xxiv.

Drift-deposits at Wolvercote, &c., 125-30; view of same at Peartree Hill, 128; see also Boulder-Clay.

Driftwood, fossil, at Redland, 175.


Dunhampstead (Worcest.), Rhetic at, 352.

Dunsford (Devon), map of neighbourhood, 327.

Dykes of sedimentary material in limestone, &c., 364 et seqq., 367, 369-71; dykes of Llyn Padarn, age of, 372-88 & pl. xxxii (microscop. sects.).

Dynamic metamorphism, use of term, 378; d. m. in the Loch-Lomond district, 11-12.

Eagle Crag (Langstrath), felspar-garnet rock of, 94.

Earth-movements in the South of England, 324, 332, 334; in N.W. Gloucestershire & Worcestershire, 355 et seqq.; of post-Bala age, in Llyn-Padarn district, 372, 374-76, 385; see also Crust-movements.

Earthquakes, in Derbyshire in March & May 1903, 215-32 figs. & pl. xix (map); at Caernarvon, &c., in June
1903, 233–42 figs. & pl. xx (map);
earthquakes indicating falling-in of
Marmora sea-bed, 263.
Edestus, occur. of, in Coal-Measures
of Britain, 1–9 figs. & pl. i.
— Heinnerchii, 2, 6.
— minor, 2 et seqq. & fig.
— triserratus, sp. nov., 4–8 fig. &
pl. i.
Egypt, Geol. Surv. maps presented,
iii.
Election of Auditors, v; of Council &
Officers, xxiv; of Fellows, i, ii, iii,
iv, vii, cv, civii, cix, cx, cxxii; of For.
Corresp., cviii, cxi; of For. Membs.,
iv, cviii, cx.
Electroplating of medals, xiii.
Elevation (& subsidence), continental,
lxxx-civ.
Elias, Mt. (Turkey), Eoc. foraminifera
from, 289.
Et, SD,tN, g. V., on the Age of the
Llyn-Padarn Dykes, 372–88 w. map & pl. xxxii (microseop. sects.).
Elvan, hearths of, at Prah Sands, 108,
109, 111–12.
Emergence (& submergence) of land,
lxxxi-civ.
English, T., Eocene & later Forma-
tions surrounding the Dardanelles,
243–75 & pls. xxi-xxiii (maps).
Enrichment, secondary, of metalli-
erous deposits, 390-91, 393.
Eob~r ra/~ovnicnsis, contrasted w.
Eoscorpius sparthensis, 397–98.
Eocene (?) outlier off coast of Cornwall,
113–19 figs.; Eocene surrounding the
Dardanelles, 244–55 figs. &
pl. xxxii-xxiii (maps); Eocene
history of Devon, &c., 323-25.
Eoscorpius sparthensis, sp. nov., 394–
99 figs.
Epicentres of Derby earthquakes, 221,
230; of Caernarvon do., 234,
240.
Episodic of Blea-Crag complex, 75–
76.
Epidote in Llyn-Padarn dyke-rocks,
381, 386 & pl. xxxii; in rocks of
Moine Series, 408, 410 et seqq. &
pl. xxxv.
Eregli (Turkey), Miocene of, 255–56;
shells fr. same, 285.
Erratics, see Boulders, Glaciation, &c.
Eruptions in the Phlegrman Fields,
300–13.
Eruptivity, shifting of axis of (in
Phlegrman area), 309–10, 314.
Eskdale Granite, basic offshoots from
the, 79–83.
F/Nov. 1904,

*Estheria minuta var. Brodieana*, zone
of, 189.

Estimates for 1904, xxxiv–xxxv.

Etheridge, M., resolut of sympathy
with, vi.

Etheridge, R., obituary of, lxviii–lxxi.

Ethie (Cromarty), sandstone-dykes at,
369, 370.

Evans, Sir John, presents portrait of
himself, i.

Exhibits at meetings, regulations as
to, cxii.

Exton, H., obituary of, lxviii–lxxi.

Eyecott Lavae, altered, 83; general
absence of garnets in, 80; E. L.
nr. Lingueil, 67.

Falar area (Glen Tilt), evidence as to
Highland sequence in, 433–35.

Falcon Crag (Lake District), garniti-
erous rocks in andesite-group of,
86–89 & pl. xxi.

Falconer, J. D., 15.

Fans of deposition illustrating format.
of Moine Gneisses, 440 et seqq. figs.

Faults in Pontesford Hill, 453.

Fault-slip originating Derby earth-
quakes, 231–32; do. originating
Caernarvon earthquake, 241.


Fearnside, W. G., 238; on the Oc-
currence of a Limestone w. Upper
Gault Fossils at Barnwell near
Cambridge, 360–63.

Fellows elected, i, ii, iii, iv, vii, cv,
civii, cix, cx, cxxii; names read out,
cxi, cxii; number of, ix–x, xxi.

Felsite, banded, of Burtness Combe,
84.

Felspar, significance of its associat, w.
garnet, 94–95; felspars in Llyn-
Padarn dyke-rocks, 380–82.

Fimbrria subpecundulus, 289–90.

Finsbury subpectunculus, 289–90.


Firnate, Glen (Perth), Moine Series
in, 440 & pl. xxvii.

Flett, J. S., Notes on the Collection
of Rock-Specimens made by Col.
English in European Turkey &
Asia Minor, 276–77.

Flexuring as primary cause of lake-
basins, 316 et seqq.; flexuring in
the South of England, 330, 332–33;
in N.W. Gloucestershire & Worces-
tershire, 335 et seqq.

Flint, 'palafractured,' fr. the Mall,
ii; flint, veget, remains in, vi;
flint-flakes found in Gough's Cavern,
343, 345 figs.; flint-pebbles, corrosion
of, 114, 118-19; see also Palaeoliths, & c.
Fluxion-tuff, see Agglomerates.
Folding in Loch-Lomond district, 13-15; Lr. Tertiary, in Dardanelles area, 250-252, 272 & pls. xxi-xxii (maps); in Neapolitan area, 297-99.
Foraminifera (Middle Eocene) fr. country surrounding the Dardanelles, 288-89, 292-95 & pl. xxv.
Foreign Correspondents elected, cviii, cx-cxi; number of, x, xxi; list of, xxv;
Forests, submerged, xviii-cii.
Forrest Reef (B.C.), 389.
FOSTER, C. LE NEVE, decease announced, cix.
Fox Tam (Scawfell), quartz-porphyry of, 85.
Fractures in the Neapolitan area, 297 et seqq.
FRANCis, W., obituary of, lxxviii.
Frith Wood (Cumberland), garnetiferous breccia of, 87, 88.
Gaick Burn (Perth), Moine Series in, 410 & pl. xxy.
Galdar (Graud Canary), palagonite-tuff of, 473.
Galleny Force (Lake District), chem. anal. of streaky rock W. of, 96.
Gallipoli Conglomerate, 263, 265; shells from, 280, 281.
Gallipoli Peninsula (Turkey), Oligoe. coal-seams, &c. in, 249; marine post-Plioc. shells from, 278.
Glen Roy, &c., see Roy, Glen, &c.
Glacial geology of Tasmania, 37-53 figs. & pls. vii-viii; Glacial (?) red clay of Dardanelles area, 271-72, 273 & pl. xxiii (map).
Glacier-lakes, ancient shore-lines of, lxxiv et seqq.
Gloucestershire (N.W.), non-sequence betw. Keuper & Rhaetic in, 349-58 w. map & sect.
Glynde (Sussex), Ptychodus decurrens from, 133-36 fig. & pl. xv.
Gneisses, of East-Central Highlands, sedimentary origin of, 403.
Goblin Combe (Somerset), igneous rocks of, 146-47, 150-51; petrology of same, 152, 154-55 & pl. xvii (microscop. sects.).
Göttingen (Hanover), Derby earthquake recorded at, 223.
Gold deposits of Barkerville (B.C.) & vicinity, genesis of, 389-93.
Gorgona Deré (Turkey), Eoc., &c., of, 245; measured sect. at, (table ii) 278; Sarmatic freshwater fossils from, 283-85 & pl. xxiv; Cladocora from, 290 & pl. xxiv.
Gormanton Moraine (Tasmania), 45 46; views of, pl. viii.
Gough's Cavern (Cheddar), human remains found in, 335-48 figs. & pl. xxi.
Granophyres of Blea Crag, 72 et seqg. & pl. xiii; chem. anal. of same, 75; granophyre nr. Crieff Knotts & Lingmell, &c., 80, 81.
Granulitic structure, so-called, of Moine Gneisses, 406.
Great Crag (Dock Tarn), banded ash & garnetiferous intrusive rock at, 92 fig.
GREEN, A. H., quoted, 125-26.
Green Beds of Loch-Lomond district, 14, 15, 22.
Greenstone-'dykes of Llyn Padarn, age of, 372-88 & pl. xxxii (microscop. sects.).
Greywethers (?) at Wolvercote, 120.
Grits of Pontesford Hill, see Tufts.
Grossularia in Borrowdale Vole, Series, 103.
Gunwalloe (Cornwall), material of shingle-beach at, 113, 119.
Gwynnell, W. F., on a small Plesiosaurus-skeleton fr. the White Lias of Westbury-on-Severn, 359.
Hahberley Brook (Shropshire), 450, 453.
Hammite in Pontesford-Hill rocks, 475, 478.
Hagio-Strati I. (Levant), hornblende-andesite of, 253, 277.
Hall, —, 446.
Halledintas of Pontesford Hill, 464 et seqq., & pl. xlii-xliii; use of term, 467.
Harmanly (Turkey), Oligoc. coal at, 246.
Harrrop Tarn (Lake District), quartz-garnet-porphyrite of, 85-86.
Hatch, F. H., presents map of S. Transvaal, cix.
Haughtonite-type of mica in Moine Gneisses, 407.
Haweswater (Lake District), 'streaky' rocks of the neighbourhood, 98-101.
'Head' at Prah Sands, 107, 110, 112.
Healey, Miss M., Notes on Upper Jurassic Ammonites, w. spec. reference to Specims. in University Museum, Oxford: No. I, 54-62 figs. & pl. ix-xii, 63-64.
Hearts, paleolithic (?), at Prah Sands, 108-109, 111-12.
Heddon, W., cx.
Heim, A., Wollaston medal awarded to, xli-xliv.
Helicoprion, contrasted w. Edestus, 3, 7, 9.
Highlands (East-Central), Moine Gneisses of the, 400-449 figs. & pl. xxxiii-xxxvii (map & microscop. sects.).
Hindside (Seathwaite), 'streaky' rock of, 95 & pl. xiv.
Hognaston (Derby), effects of earthquake on well at, 223-29.
Holaster-subglobosus zone, Ptychodus decurrens from, 133-36 fig. & pl. xv.
Holland, R., Notes on Nummulites in the Turkish Rocks described by Col. English, 292-95 & pl. xxv.
Honestone Group of Highland Series, 400, 416, 419 et seqq.
Hora (Turkey), raised beaches at, 263, 264 fig., 265, 268 fig., 269; Plioc. & post-Plioc, shells from, 279, 281; Oligoc. do. from near, 266, 287.
Hornblende-andesites of Dardanelles area, 253 et seqq., 276, 277.
Hornblende-porphyrte of Bull Crags, 74.
Hornblende-porphyrty, fragments in dyke near Esk House, 78.
Hornblende-schist of Glen Tilt, 443-45.
Horne, J. [on the Highland sequence], 446-48.
Hornfels-like calc-fintas of the Highland sequence, 426-27.
Human remains found in Gough's Cavern, 333-48 figs. & pl. xxix.
Hutchinson, A., Murchison-Fund award to, xlvi.
Hybodus cloacinus, 209.
Hybodus minor, 209.
Hydrothermal type of metamorphism in Loch-Lomond district, 27.
Ice-action in the Thames Valley, 126 et seqq.
Ice-sheet, ancient Scandinavian, retreat of the, lxxxv et seqq.
Iffley (Oxon), implementiferous gravel at, 129.
Igneous rocks assoc. w. Carb. Limest. of Bristol district, 137-57 figs. & pl. xvi-xvii, 158-69 figs.; igneous rocks of Pontesford Hill, 450-86 figs. & pl. xxxviii-xliv (map, sects., & microscop, sects.); see also Basalt, Diabase, Granite, f.y., Illinois (U.S.A.), Edestus Heinrichsii from, ii.
Ilmenite as an index of metamorphism, 380; ilm. in andesite-lavas of Pontesford Hill, 470 et seqq.

Imbros I. (Levant), coal-seams in, 249; Tert. vole. rocks of, 253, 277; andesitic hills of, 253, 254 fig.; Sarmatic strata of Megalai Kephala, 259-60 fig.

Implement found in Gough's Cavern, 343-45 figs.; see also Palæoliths.

Implementiferous sections at Wolvercote, 120-32 figs.

Infra-Bone-Bed Series (Rhätic), 179.

Iuloceramus-limestone (Gault) at Barnwell, 360-63.

Invercauld Forest (Aberdeen), Moine Series in, 413, 437.

Inversnaid (Loch Lomond), albite-gneiss from, 20 & fig.

Inveruglas (Loch Lomond), quartzose schist from, 19 & pl. ii.


Isacoustie lines of Derby earthquake, 223-24; of Caernarvon earthquake, 237 & pl. xx.

Iseoseimals of Derby earthquakes, 217-18, 229-90 map & pl. xix (map); of Caernarvon earthquake, 294-35.

Italy, Geol. Surv. maps presented, cix.

Japan, Geol. Surv. maps presented, cix.

Jedikul (Turkey), non-existence of Levantine Beds at, 258.

Judd, J. W., 473.

Jukes-Browne, A. J., 363; the Valley of the Teign, 319-33 w. maps.

Jurassic (Upper) ammonites, in Oxford Univ. Museum, &c., 54-64 figs. & pls. ix-xii.

Kamin (Turkey), Oligoc. coal near, 249.

Karak Derö (Turkey), post-Plioc. shells from, 279.

Karren, F., obituary of, ixiv-lxv.

Kerassia (Turkey), Sarmatic freshwater shells from, 283.

Keshan (Turkey), Oligoc. coal-basin of, 246-47; foss. fr. same, 285 et seqq. & pl. xxiv; measured sect. at (table iii), 274; andesites, &c. of, 253, 254, 277; Pontian near, 261, 272; shells fr. same, 281.

Kester Brook (Devon), valley of the, 328, 331.

Keuper, non-sequence betw. Rhetic and, in N.W. Gloucestershire & Worcestershire, 349-58 w. map & sect.

Kewstoke, see Milton Hill.

Kilauchi (India), 'deep-sea' deposit at, viii.

Kimeridgian (?) age of Perisphectes biplex, 58; (Upper) age of Olyrostephanus Pallatianus, var. nov., 61.

Kincaig Hill (Fife), seter of, xii-xiii.

King Valley (Tasmania) glacial deposits in, 43-44; origin of King-River Glacier, 48-49.

Kingrove Farm (Gloucester.), 197.

Kirkfell (Lake District), dykes of, 80, 82.

Knowle (Wiltshire), paleoliths from, 130.

Kocu, A., elected For. Memb., iv.

Lacustrine conditions at close of Keuper Epoch, 355, 357.


Land, evidence for emergence & submergence of, lix-xii-cii.

Land-surface, paleolithic (?) at Prah Sands, 107 et seqq.

Langstrath (Lake District), intrusive complex of Blea Crag, 70-76 fig. & pl. xiii (microscop. sects.), w. chem. anal.

Lapworth, C., 452, 483; [letter of farewell as President], ix, cv; [on Pontesford-Hill rocks], 485.

Lassington (Gloucester.), Rhetic, &c. at, 352-53.

Lavas assoc. w. Carb. Limest. of Bristol district, 140 et seqq., 151-54 & pl. xvii (microscop. sects.); andesitic, of Pontesford Hill, 470-72 & pl. xiii.

Lebour, G. A. L., Murchison medal awarded to, xliii-xliv.

Leventine formation, non-existent at Jedikulé, &c., 258.

Level, changes of, in Dardanelles area, 261 et seqq., 272-73 & table i; in Neapolitan area, 297-98.

Library, lists of donors to, xiv-xv; progress of new Card-Catalogue, xiv.

Library & Museum Committee, report of, xiv-xv.

Lightfoot, Miss M., 456.

Lilliput, sect. fr. bridge to ur. Chipping Sodbury Station, 198; see also Chipping Sodbury.
GENERAL INDEX. [Nov. 1904,

Lima valoniensis, 202.

Limestones in Aberfoil-Slate Group, 28, 29; relations of limestone to basalt at Spring Cove, 160 et seqq., 164 et seqq. figs.; of East-Central Highlands, 417 et seqq., 425, 426 et seqq.; see also Carboniferous Limestone.

Limpsfield Common (Surrey), ice-drift at, 130.

Linda Valley (Tasmania), glacial deposits of, 43-48.

Lithophyses in Pontesford-Hill rocks, see Pyromerides.

Llyn Padarn (Caernarvon), age of the dykes of, 372-88 & pl. xxxii (microstop. sects.).

Loch-Lomond district (Scotland), metamorphism in, 10-29 figs. & pls. ii-v (microscop. sects.).

Lochnagar Granite, Moine Gneisses of area west of the, 412-13; intrusion producing no effect on Highland rocks, 442.

Lomas, J. [on faulted slate fr. the volc. slates of Ulpha]. v.

Longmyndian of Pontesford area, 450, 453.

Lorenzo, G. Dr, the History of Volcanic Action in the Phlegraean Fields, 296-315 & pls. xxvi-xxviii (maps & sects.).

Lucerne, Lake of, its parallelism w. Lake of Geneva discussed, 317, 318.

Lunn, —, 417.

Lutetian of the district surrounding the Dardanelles, 244-46; fossil fr. same, 288-95 & pls. xxiv-xxv.

Lyd or Lyd's Hole (Shropshire), 450, 451.

Lyell, Mr. (Tasmania), glaciated area around, 45-47 & pl. vii (map).

Longmyndian of Pontesford area, 450, 453.

Lorenzo, G. Dr, the History of Volcanic Action in the Phlegraean Fields, 296-315 & pls. xxvi-xxviii (maps & sects.).

Lucerne, Lake of, its parallelism w. Lake of Geneva discussed, 317, 318.

Lunn, —, 417.

Lutetian of the district surrounding the Dardanelles, 244-46; fossil fr. same, 288-95 & pls. xxiv-xxv.

Lyd or Lyd's Hole (Shropshire), 450, 451.

Lyelli Geological Fund, awards from, 200.

Lyelli medallists, list of, xxii.

Lyell, Mr. (Tasmania), glaciated area around, 45-47 & pl. vii (map).

Lycoea Bonelli, 281 & pl. xxiv.

McMahon, Mrs, resoln. of sympathy with, cv.

Mastra podolica, 282 & pl. xxiv.

Mastra-limestones of Dardanelles area, 255 et seqq.

Magnetite, peroxidized needles of, 152, 153.

Main or Blair-Atholl Limestone, 426.

Maitos (Dardanelles), ancient river-channel at, 264 fig., 265.

Mall, the (London), 'palaeostratified' flint from, ii.

Mammalian remains in Gough's Cavern, 337, 346.

Man, remains of, found in Gough's Cavern, 337-48 figs. & pl. xxix.

Manganiferous ash in the Phlegraean area, 309.

Map of Loch-Lomond district, 25;

of N.W. Tasmania, 50; of glaciated area around Mt. Lyell (Tasm.), pl. vii; of S.W. Cornwall, 115; of Middle Hope or Woodspring, 140; illustrat. distrib. of Carb. volc. rocks in Bristol district, pl. xvi; of Derby earthquake of May 3rd, 1903, 230; of D. e. of March 24th, 1903, pl. xix; of Caernarvon earthquakes of June 10th, 1903, 239 & pl. xx; (geol. & topogr.) of country surrounding the Dardanelles, pls. xxxi-xxxiii; (geol.) of the Bay of Naples, pl. xxvi; of the Phlegraean Fields, pl. xxvii; of the drainage-area of the Teign, 320; of Dunsford district, 327; of Ashburton district, 329; (geol.) of N.W. Gloucestershire & Worcestershire, 350; of Llyn-Padarn area, 376; of East Central Highlands, 402; (geol.) of Glen Clunie, 422; of Gilbert's Bridgearea, pl. xxxii; of Pontesford Hill, pl. xxxvii.

Maps presented, ii, iii, iv, evii, cix, cxi, cxii.

'Mappamonte' (grey tufty material), 309.

Marble quarry (Glen Tilt), sect. descr., 418-20; line of erosion in Moine Gneisses below, 430 fig., 431.

Marl Cliff (Worcest.), Hæmat., &c. at, 352.

Marlborough (Wilts), palæoliths from, cx.

Marmora, Sea of, geol. of country surrounding the, 243 et seqq., figs. & pls. xxxi-xxvii (maps).

Marr, J. E., elected President, xxiv; receives Wollaston-Fund award for Miss E. M. R. Wood, xlv; communicates the late E. E. Walker's paper, 70.

Marston - Common Farm (Derby), rocks fr. well-sinking at, 367-68.

Martix, E. A., exhibits flint w. plant-remains, vi.

Masatly (Turkey), Oligoc. coal, &c. at, 245; Anthracotherium, &c. from, 285-87 & pl. xxiv.

'Massive-pavement' type of Moine Gneisses, 412.

Matley, C. A., Lyell-Fund award to, xlvii-xlviii.

Mavris I. (Marmora), 270; post-Plioc. shells from, 279.
Medals, electrotypes of, xiii.
Meditteranean shell-beaches at Hora, &c., 268 fig., 269-70.
Megalaí Kephalaí (Imbros), Sarmatic strata of, 259-60 fig.
Melania cf. Escheri, 283 & pl. xxiv.
Melanopsis costata, 284 & pl. xxiv.
    — incerta, 283 & pl. xxiv.
Metamorphism in the Loch-Lomond district, 10-29 figs. & pls. ii-v (microscop. sects.); metamorphism of volc. rocks of the Borrowdale Series, 102-104.
Metoposaurus diagnosticus (?), 208-209.
Mezzogiorno (Italy), yellow tuff-volcano, 305.
Mhainc, Glen (Perth), Moine Series of, 418.
Mica-films in Moine Gneisses, 403, 407, 408, 410 et seqq., 434.
Mica-porphyrite nr. Criscliffe Knotts, 79, 82.
Mickle Moss (Haweswater), rhyolite of, 90.
Microcline, in Moine Gneisses, 406, 407, 408, 410 et seqg.
Middle Hope (Somerset), igneous rocks at, 139-44 figs.; petrology of do., 153 et seqg. & pl. xvii (microscop. sects.).
Millstone Grit, secondary growth of quartz in, 370.
Milne seismograph, Derby earthquake recorded by, 222-23; Caernarvon earthquake recorded by, 233, 237.
Milliton Hill (Somerset), igneous rocks at, 145-46, 149-50; petrology of do., 153 & pl. xvii.
Mines, Derby earthquake observed in, 227-28; Caernarvon earthquake do., 238.
Miocene of the district surrounding the Dardanelles, 252 fig., 255-61 fig., 266 fig.; foss. fr. same, 281-85 & pl. xxiv.
Miseno, Cape & Porto di (Italy), yellow tuff-volcano, 307.
Mitcham (Surrey), palæoliths from, v. Modiola minima, 204.
    — sodburiensis, sp. nov., 203 & pl. xviii.
Moine Gneisses of the East-Central Highlands & their position in the Highland sequence, 400-49 figs. & pls. xxxiii-xxxvii (map & microscop. sects.).
Mollusca, typical Rhétic, ranges of, 200, 206; see also Anomia.

MONCKTON, H. W., cv.
Monkey's Quarry (Gibraltar), new cave at, 30-36 figs. & pl. vi (plan & sects.).
Monotis ducus, zone of, 189.
Montagna Spaccata or Cleit Mountain (Italy), 312.
Morgan, C. Lloyd (& S. H. Reynolds), the Igneous Rocks associated with the Carboniferous Limestone of the Bristol District, 137-56 figs. & pls. xvi-xvii.
Moses, from peat at Wolvercote, 124-25.
Mountain-Limestone, quartzite-dykes in, nr. Snelston, 364-71 & pls. xxx-xxxi; see also Carboniferous Limestone.
Movements of earth's crust & changes of level, civ; see also Earth-movements.
Murchison Geological Fund, list of awards, xxx.
Murchison medallists, list of, xxix.
Museum (annual report), xiv.
Museum Breccias of the Phlegraean Fields, 302-303.
Myophoria postcria, 204.
Myriophyto (Turkey), Miocene of, 256, 285.

Neolithic age of human remains fr. Gough's Cavern assorted, 343-48; Neol. remains at Wolvercote, 120.
Nettlebank (Staffs), Edestus from, 1 et seqg.
New Guston Mine (Colorado), exemplification of secondary enrichment in, 393.
Newbridge Hill (Somerset), Rhétic Bone-Bed (?) at, 214.
Newton, E. T. [exhibits implements, fr. N. Carolina], vi; on the Occurrence of Edestus in the Coal-Measures of Britain, 1-8 figs. & pl. i.
Newton, R. B., Notes on post-Tertiary & Tertiary Fossils obtained by Col.
English fr. the District surrounding
the Dardanelles, 277-92 & pl. xxiv.
Nicholson, Sir Charles, obituary of,
lxxv.
Nisida L (Italy), yellow tuff-volcano,
305.
Nodular rock of Pinnacle Howe, &c.,
99; nodular structure of Northern
Rhyolite of Pontesford Hill, 457-
63 figs. & pls. xl-xlii.
Non-sequence betw. Keuper & Rhaeto
in N.W. Gloucestershire & Worces-
tershire, 349-58 w. map. & sect.
Northern Drift at Wolvercote, &c.,
125-27.
Northern Rhyolite of Pontesford
Hill, 454, 456-63 figs., pls. xl-xlii, &
chem. anal.
Norton (Gloucester), Rhaetic, &c. at,
349.
Number of Fellows, &c., ix-x, xxi.
Oummulites distans, 293-94 & pl. xxv.
Dubretoy, 292-94 & pl. xxv.
Heberti (i), 294.
variolata (?), 294.
Nuovo, Monte (Italy), 312, 313.
Ore Gap (Bow Fell), breccia of, 77
97.
Osborn, H. F., elected For. Memb.,
evii.
Osmington (Dorset), Ann. variocos-
tatus from, ii.
 Ostrea-Cypraein bed, nr. Gallipoli,
270, 278.
Oxford Clay, pittings in, at Wolver-
cote, 121.
Owen, M. (Tasmania), glaciation of,
47; views of, pl. viii.

'Osteoferactured' flint, ii.
Paleoliths fr. Surrey, v; fr. Wilts,
x; (?) of vein-quartz, at Prath
Sands, 108-109 fig., 110 et seqq.;
paleoliths at Wolvercote, 123, 131;
two classes of, 129; paleoliths (?)
found in Gough's Cavern, 343,
345 figs., 346 et seqq.
Paleolithic floor at Prath Sands, 106-
12 figs.; Paleolithic Period, sub-
divisions of, 111, 132.
Palagonite-tuffs of Pontesford Hill,
&c., 454-70 figs., pl. xl-xlii, &
chem. anal., 472-74.
Paper-Shales, see Black Shales.
Parallel Roads of Glen Roy, &c. con-
trasted w. raised beaches, lxxxvii
et seqq.
Parallel-banded rocks of Moine Series,
400, 406 et seqq., 424-25.
Parker, W. A., 308.
Parks, J. (on Pontesford-Hill
rocks), 456 et seqq., 485-86.
Parsons, J., 190.
Paula Liman I. (Marmora), 243-44.
Passage-rocks of Moine Series, 424 &
pl. xxxvi.
Paulo Liman (Turkey), post-Plioc.
shells from, 279.
Peach, B. N., 399.
Peartree Hill (Oxon), sect. in Drift at,
descr. & fig., 127, 128.
Peaty, A. K., 30, 35.
Pecten valoniensis, 202 & pl. xviii.
Pecten-volomiensis limestones, at Red-
land, 171 et seqq.; at Stoke Gifford,
176; at Cotham Road, 177; at
Aust, 179; conlits. of deposition of
P.-v. 1, 184.
Pelican type of eruption, 169.
Penck, A., elected For. Memb., iv.
Penta Palummo (Italy), yellow tuff-
volcano, 305.
Perissophonites biplex, 57-58 & pl. x;
confused w. P. plicatilis, 62 et seqq.
--- plicatilis, 53-57 fig. & pl. ix.
--- variocostatus, 58-60 fig. & pl. xi.
Perlitic structure in Pontesford-Hill nodular rhyolites, 488 & pl. xi.

Perowskite in Llyn-Padarn dyke-rocks, 380 & pl. xxi.

Petrography of Loch-Lomond rocks, 15-22 fig. & pls. ii-v; of rocks fr. district surrounding the Dardanelles, 276-77; of igneous rocks assoc. w. Carb. Limest. of Bristol district, 151-55 & pl. xvii.

Pliocene shelf in W. Cornwall, 116; Plioc. of district surrounding the Dardanelles, 261-65 figs.; foss. fr. same, 281-84 & pl. xxiv; Plioc. history of the Phlegraean area, 298.

Pleurophorus elongatus, 205-207 fig. Plicatula cloziana, sp. nov., 202 fig. & pl. xviii.

Pliocene shelf in W. Cornwall, 116; Plioc. of district surrounding the Dardanelles, 261-65 figs.; foss. fr. same, 281-84 & pl. xxiv; Plioc. history of the Phlegraean area, 298.

Pleistocene glaciation in Tasmania, 38 et seqq.; range of same, 49-52 w. map; Pleistoc. mosses in W. Mercerote peat, 124-25; Pleistoc. of district surrounding the Dardanelles, 285-72 figs.; foss. fr. same, 278-80; Pleistoc. submarine eruptions in the Phlegraean Fields, 298 et seqg.


Pleuromysa costatus, 208.

Pleuromysa Crowcombeia, 188; zone of, 189.

Pleuromysa Crowcombeia distinct fr. Pleuromysa C., 188.
Pyrites, leaching of, & the precipitation of gold, 390-91, 392-93.
Pyromerides of Pontefract Hill, 457-63 figs. & pls. xl-xli.
Pyroxenes in Llyn-Padarn dyke-rocks, 382-84 & pl. xxxii.
Quarries, Caernarvon earthquake observed in, 238.
Quartz-bleb structure in Moine Oneisses, 406.
Quartz-diabase of Blea Crag, 73; of Burtness Combe, 84; in Haweswater district, 99.
Quartz-felspar-biotite-granulite, in Glen Tilt, 417.
Quartz-garnet-porphyrite (passing into granophyre), 73-74 & pl. xiii; chem. anal. of same, 75; q.-g.-p. of Harrop Tarn, 85-86; quartz-augite-porphyrite in Bowfell area, 78.
Quartz-bleb structure in Moine Oneisses, 406.
Quartz-pebbles in Rhetic Bone-Bed, origin of, 182.
Quartz-porphyries of Yeastrigg Crags, 78; offshoots of Eskdale Granite, 80, 81, 82; of Fox Tarn, 85.
Quartz-porphyrites, near path to Scawfell Pike, 79; near Criscliffe Knotts, 79-80.
Quartzite (the Central Highland), 400, 412 et seqq., 423-24, 427 et seqq.
Quartzite-dykes in Carb.-Limest. nr. Snelston, 364-71 & pls. xxx-xxxi.
Quartzose limestone of Snelston, 366.
Rainfall, heavy, in Pleistocene time, 125.
Rainwash-drifts, 130.
Raised beaches, as evidence of emergence, lxxxiv et seqq.; distribution of, in British Is., xxiii-xxvi; r. b. of Frah Sands, 106; of Cornish & Welsh coasts, 110, 111; on Turkish coasts, 293-65 fig., 298 figs., 299-70.
Ranges of Rhetic mollusca, 200, 206.
Rastall, R. H., 363.
Rau, H. N., on a Deep-Sea Deposit from an Artesian Boring at Kila-cheri, near Madras (title only), viii.
Reader, T. W., exhibits concretion fr. Vancouver L., ii.
Red loamy clay (or rubble-drift) of Dardanelles area, 271-72 & pl. xxiii (map).
Redland (Bristol), Rhetic at, 170-75.
Reefs, auriferous, of Cariboo, characteristics & origin of, 889-90.
Regulations as to admission of visitors, evi-evi; as to exhibits at Meetings, exi.
Rothwaite Fell (Cumberland), cleaved garnet-lava of, 88; sect. through R. F., 89; ‘streaky’ rocks of, 95 & pl. xiv.

Round-weathering gneisses of Moine Series, 409, 411, 414 & pl. xxxv.

Roy, Glen (Inverness), orig. of Parallel Roads of, lxxxvii-lxxxix.

Royley-Mine coal-seam, 394.

Rubble-drift, see ‘Head.’

Rudha nan (Loch Lomond), albito-gneiss from, 21 & pl. iv; chem. anal. of same, 23.

Rudha Dubh (Loch Lomond), chem. anal. of schistose grit from, 29.

Rudha Mor (Loch Lomond), schistose grit from, 17 & pl. iii.

Rudler, F. W., elected Auditor, v.

RuPESTEUS Oweni, 208.

St. Erth Valley (Cornwall), diagramm. sect. across, 116.

Salter, A. E., exhibits specimens, &c. from Ascension I., cx.

Samoa (Polynesia), palagonitic rocks compared with those of Pontesford Hill, 473.

San Stefano (Turkey), Sarmatic shells from, 257, 282, 284 & pl. xxiv; see also Miocene.

Santa Teresa (Italy), vulcanetto of, 311.


Sarkeui (Turkey), Eocene, &c. at, 245; measured sect. at Gorgona Deré near (table ii), 273; see also Gorgona Deré.

Sarmatic sea, geol. vicissitudes of, 256-57; fossils from Dardanelles area, 282-85 & pl. xxiv; see also Miocene.


Saxony, Geol. Surv. maps presented, cviii.

Schizodus Ewaldi, 201, 208.

Schlænbachia variocosa, zone of, at Barnwell, 360, 362.

Screes, movement of, & Caernarvon earthquake, 238.

Secondary enrichment of metalliferous deposits, 390-91, 393.

Sedgwick, Mt. (Tasmania), glaciation of, 47.

Seismographic records of Derby earthquake, 220 fig., 221-23; of Caernarvon earthquake, 235-37.

Serpentines of Dardanelles area, 277.

Shallow-water conditions of Rhaetic Bone-Bed epoch, &c., 180-81, 186-87.

Shear, effects of, 11-12.

Q. J. G. S. No. 240.

Sherborn, C. D., x; [on progress of Library-Catalogue], xiv.

Shinoton Shales of Pontesford Hill, 452, 464, 465 (map).

Short, A. Rendle, a Description of some Rhaetic Sections in the Bristol District, with Considerations on the Mode of Deposition of the Rhaetic Series, 170-92.

Sicilian fossils from Dardanelles area, 280-81 & pl. xxiv; see also Pliocene.

Silica percentages in Pontesford-Hill rocks, 456, 477.

Skull, palaeolithic (?) found in Gough’s Cavern, 342-43 & pl. xxix.

Slag, artificial, complex vesicle in, 461 fig.


Smallthorne (Staffs), 291.


SPECIAL General Meeting, cv-cvi.

Specific gravities of Pontesford-Hill rocks, 436, 477.

Spheroids in basalt of Pontesford Hill, 478.

Spherules & spherulites in Pontesford-Hill rocks, see Pyromerides.

Spondylus subspinatus, 289 & pl. xxiv.

Spring Cove (Somerset), igneous rocks at, 145, 149, 158-69 figs.; petrology of same, 152-53 & pl. xvii.


Stalagmite, upper, in Gough’s Cavern, 337-38; lower, ibid., 359.

Stampian fossils from Dardanelles area, 285-88 & pl. xxiv; see also Oligocene.

Static metamorphism, use of term, 378.

Stobbs, J. T., 1.

Stoke Gifford (Gloucest.), Rhaetic at, 175-76, 195.

Stony Tarn (Lake District), diabases of, 81.

Storm-deposit, Rhetic Bone-Bed regarded as, 181-82, 186.

Strain-cleavage in Moine Series, 445.

Strand-lines, ancient, of Norway, &c., lxxxiv et seq.


Striations due to sand-blast, 34.

Struan (Perth), Moine Gneisses of the district, 401-10 figs. & pl. xxxiv; do. of area north of same, 410.


Subaerial eruptions in the Phlegrman area, 308 et seqq., 314.

Submarine land-valleys, xvii-xviii; submarine origin of volcanic rocks at Spring Cove, &c., 156, 164, 168, 169; submarine eruptions in the Phlegran area, 301-307.

Submerged forests, xcviii-cii; submerged land-valleys, xvii-xcviii.

Subsidence (& elevation), continental, lxxx-civ.

Sulphidic ores of Cariboo, 389.

Sunningdale (Berks), flint w. plant-remains from, vi.

SUTCLIFFE, W. H. (& W. BALDWIN), Eoscorpias sparthensis, sp. nov., from the Middle Coal-Measures of Lancashire, 394--99 figs.

Sydney Cove (Cornwall), sect. at, descr. & fig., 106-108.

Talargoch (Flint), quartzite-dyke at, 369.

Tapes Calverti, sp. nov., 278-79.

Tarf, Glen (Perth), Moine Series in, 411, 430-40 & pl. xxxiv.

Tasmania, glacial geology of, 37-33 figs. & pls. vii-viii.

Tekhardak (Turkey), post-Plioc. of, 293-70; shells fr. same, 278, 279.


‘Tea-leaf’ structure in clay, 131.

Teall, J. J. H., votes of thanks to, xxiii; receives Wollaston Medal for A. Heim, xli.

Teign R. (Devon), geol. history of the valley, 319-34 w. maps.

Teke-Keui (Turkey). Pontian shells from, 281.

Tektur Dagh (Turkey), coast-cliffs of the, 247-49 & fig.

Tenedos I. (Levant), 243, 255.

Thames Valley, ice-action in, 126 et seqq.

Thornton Heath (Surrey), palaeolith from, v.

Thrust-plane structure in Moine Gneisses, 411.

Tibia, platycnemic, found in Gough’s Cavern, 343-44 figs., 347.

Tilt of the ground, its effect on drainage-systems, 325, 334.

Tilt, Glen (Perth), Moine Gneisses, &c. of surrounding area, 400 et seqq.; view in river-bed, 404; line of erosion in Moine Gneisses, 430 fig., 431.

Time-relations of sound & shock in Derby earthquake, 236.

Transvaal (S.) geol. map presented, cix.

Tregonning Hill (Cornwall), sect. to Rosewall Hill, 116.

Tremadoc (Caernarvon), age of the sills of, 388.

Trophocephalus sp. (Lutetian), 290.

Trust-funds, statement of, xxxvi-xxxvii.

Tufts assoc. w. Carb. Limest. of Bristol district, 140 et seqq., 154-55 & pl. xvii, 159 et seqq. figs.; tufts of Dardanelles area, 304-399 figs.

Tremadoc (Caernarvon), age of the sills of, 388.

Tuff-poikilohydroid’ of Rosthwaite Fell, 95 & pl. xiv.

TUTTLE, J. W., 213.


Tzenguerli Dere (Turkey), Mioc. & Eoc. fossils from, 285, 288 et seqq. & pl. xxiv.

Ulpha (Cumberland), faulted slate from, v.

Underground water, effects of Derby earthquake on, 228-29.

Unich, Allt (Aberdeen), 412, 436.

Unio Delesserti, 283 & pl. xxiv.
Uphill (Somerset), igneous rocks of, 146, 150.
Uralite, conditions of development of, 384.
Uralite-diabase nr. Kirkfell Tarns, 82.
Uriconian of Pontesford Hill, 451, 452.
Ussher, W. A. E., 330.

Valleys extending beneath the sea, xvii-xviii.
Vancouver I. (B.C.), concretion from, exhibited, ii.

Variolitic basalt of Spring Cove, 152-53 and pl. xvii, 157, 165.

Vein-quartz, implements (?) of, at Prah Sands, 108-109 fig., 110 et seqq.

Velocity of transmission of Derby earthquake, 223.

Vernitzia (Turkey), Eocene of, 246; foss. fr. same, 288, 290 & pl. xxiv, 292-93 & pl. xxv.

Vegetable fossils from Spring Cove, 157, 165 & pl. xvii, 156, 164.

Vere, R., exhibits specimens of Spirifer, exi.
Waller, H. T., 460, 473.
Whelpside Gill (Helvellyn), voloc. ash from, 98 & pl. xiv.

Walters, C., 269, 286.

Wasser, C., 269, 286.

Wasson, H. S., elected For. Corresp., evii.

Water, subterranean, effects of Derby earthquake on, 228-29.


Webster, T., 228.

Westbury-on-Somerv (Gloucest.), Plesiosaurus cf. bibractensis from, 359.

Weston-super-Mare, see Spring Cove.

Whelpside Gill (Helvellyn), voloc. ash from, 98 & pl. xiv.

Wheaton, H. S., elected For. Corresp., cvii.

White, —, 245, 247.

White I. (Scilly), striated boulder from, evi.

White Lias, 185; Plesiosaurus cf. bibractensis from, 359.

Wickham pendulum, Derby earthquake recorded by, 223.

Willett, H., 133.

Williams Creek (B.C.), 392.

Wrench, H., 228.

Wolvercote (Oxon), implementiferous sections at, 120-32 figs.

Wood, fossil drifted, at Redland, 175.

Wood, Miss E. M. R., Wollaston-Fund award to, xiv-xvi.

Woods, H., 363.

Woodward, A. S., 190, 399; exhibits Edestus Heinrichsii fr. Illinois, ii; on the Jaws of Ptychodus from the Chalk, 133-35 fig. & pl. xv; [on Diplonyctes marmorensis, sp. nov.], 284-85 & pl. xxiv.

Worcestershire, non-sequence between Keuper & Rhaetic in, 349-58 w. map & sect.

Worm-tracks in Rhaetic at Redland, 174.
Xenoliths in Blea-Crag rocks, &c., 72 et seqq.
Xeros, Gulf of (Turkey), 253 et seqq.
Yadkin R. (N. Carolina), implements from, vi.
Yeastyrigg Crags (Bow Fell), quartz-porphyry of 78.
Yellow tuff of the Phlegraean Fields, 304–307.
Yeo R. (Devon), ancient course of the, 328–29, 331–32.
Zaphrentid-limestones at Middle Hope, &c., 140, 148 et seqq.
Zeehan district (Tasmania), glacial deposits in, 49 et seqq.
Zittel, K. A. von, obituary of, lv–lix.
Zonal bending in the region of the Alps, 66.
Zurich, Lake of (Switzerland), age of, 65 et seqq.; parallelism w. Lake of Geneva, 316 et seqq.