

# GDC - Timeline

1. 1834.1      S1  
DLB  
EV: Unbroken Sequence of strata, GRE.1  
Instances of Coal in Ancient strata, trough trough Exmoor,  
CM Plants in Culm  
Main Culm, BCL and Non-Culm as CAM  
Exmoor YDS  
Aporia I: Coal in Ancient Strata  
Aporia II: CM Plants in Ancient Strata
2. 1834.2      S2a  
MUR and Lyell immediately as response to DLB  
EV: Gap between BCL (CM) and Non-Culm (CAM), COA.1  
Culm and BCL as CM  
Culm YDS  
Aporia II: Lyellian Principals
3. 1834.3      S2b  
EV: Irish and French Evidence  
Aporia I: No Coal in Irish Ancient Strata  
Aporia II: CM plants in French Ancient Strata
4. 1836.1a     S3a  
MUR and SED at the Bristol meeting:  
Official summary of Devon Campaign  
EV: SIL in N. Devon, Culm trough, Distinct LSTs  
Non-Culm as SIL and CAM (fossil dating)  
Gap between BCL (CM) and Non-Culm (SIL+CAM), COA.2a  
No trough trough Exmoor
5. 1836.1a     S3b  
MUR while campaigning Devon; as response of conformable  
passage between Culm series and the older strata  
EV: Gap between Culm (CM) and BCL (ORS+SIL/SIL), COA.3a/b  
BCL as ORS+SIL or SIL
6. 1386.2      S4  
PHIL and BUCK at Bristol meeting:  
EV: Yorkshire Similarities  
Gap between BCL (ML) and Non-Culm (SIL+CAM), COA.2b

Conf Pass. Between Culm (ML), BCL (ORS) and (SIL+CAM), DEV.1  
BCL as ML  
Main Culm as ML and BCL as ORS  
omitted: DLB conceded his critics' structural interpretation  
and reversed the sequence  
GRE.1b: (DLB: Culm, BCL, Non-Culm as CAM, Culm YDS)

7. 1387.1 S5  
After the Bristol meeting:  
DLB accepted MUR's LSIL dating for youngest non-Culm strata  
MUR as response to HARD's fossil plants in SIL strata  
EV: CM Plants in N. Devon (HARD)  
Conf Pass. Bet. M. Culm (SIL), BCL (SIL) and (SIL+CAM), GRE.2  
Gap between BCL (CM) and Non-Culm (ORS+SIL), COA.4  
Main Culm as SIL, BCL as SIL  
Non-Culm as ORS+SIL
8. 1837.2 S6  
Austen: Fossils from the younger non-Culm strata in south  
Devon dated to somewhere near the base of the ML  
EV: ML Fauna in S. Devon  
Conf. P. Bet. M. Culm (CM), BCL (ML) and non-Culm  
(ORS+SIL+CAM), DEV.2a  
Non-Culm as ORS+SIL+CAM
9. 1838.1 S7  
DLB adopted ORS dating youngest S.Devon strata; structural  
evidence that Culm strata were older than S.Devon strata  
SED: Retain older strata for his CAM; Unease about the elusive  
unconformity  
EV: ???  
Conf. P. Bet. M. Culm (CM), BCL (ML+ORS+SIL) and (SIL+CAM),  
DEV.2b  
Conf. P. Bet. Non-Culm (ORS), M. Culm (SIL), BCL (SIL) and  
(SIL+CAM), GRE.3a  
BCL as ML+ORS+SIL  
S.Devon strata YDS
10. 1838.2 S8  
MUR: Unease about plants in older N.Dev. strata and elusive  
unconformity; Enlarging ORS into a system; its equivalents

might contain an intermediate fossil fauna effacing the  
 elusive sharp distinction between SIL and ML  
 WILL: partial concession to DEV  
 Ev: Devonian fauna/flora intermediate between SIL and ML  
 French Similarities  
 Conf. P. Bet. M. Culm (CM), BCL (ML) and Non-Culm (ORS),  
 DEV3  
 Conf. P. Bet. M. Culm (ORS), BCL (ORS) and Non-Culm  
 (ORS+SIL+CAM), GRE.3b  
 Non-Culm as ORS  
 Main Culm as ORS  
 Aporia II: No Ancient French Strata (ORS dating on fossil  
 grounds); Piecemeal Faunal Change  
  
 Omitted: Rhineland Campaign

11. 1840

S9  
 WILL structural evidence that Culm strata were older than  
 S.Devon strata  
 EV: Culm saddle  
 Conf. P. Bet. Non-Culm (SIL), M. Culm (SIL), BCL (SIL) and  
 (SIL+CAM), GRE.3a'  
 EV: Russian Evidence, American Evidence  
 omitted: Weaver's partial concession to DEV:  
 non-Culm strata between the SIL and ORS  
 Aporia I: No Ancient Strata (CM dating)  
 Russian Evidence : ORS and Dev. Non-Culm contemporaneous!