

The exceeding importance of the Precambrian stage en-
forced - the sudden (only apparently) development
of its high class and abundant life -

The Prague basin described - and corrected by Dr.
Barrande - Fossils catalogued for the first time
See enlarged Map-Sketch - The relations of this
basin with others touched on -

The doctrine of universality asserted and supported by

Facts

The immense power of locality stated - Half of the
described species are local - of independent origin - isolated
a new creation.

Fossil life - life began singly - sporadically - and socially
Species are iso-zonal usually - in all parts of the earth

Duration of species pp. xxxviii - xxxix - Barrande shows
that in Bohemia a species only lives (with exceptions) during
a part of a stage - subdivision - as in D. d. 3. C. g. 1 &c

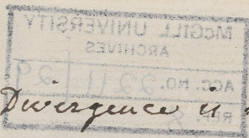
This is probably applicable elsewhere -

A few remarks on extinction follow -

Migration - Its facilities & obstructions - indifference to
Sediment - free bathymetric range - Fossils com-
mon to America and Europe treated numerically - More
go from Europe to America, than the contrary -

Recurrence is universal in time and space - increasing
by with the flow of time - Table x shows that recurrent
species are 13 per cent - varying much with species series

Recurrence is a measure of viability in the - aided by
Diversity of structure, fecundity &c



Divergence is an important subject - influential on migration - by enabling marine creatures to subsist on several sea grounds - Sea grounds of any kind may be found on any level; but still, in the large a certain order is observed -

The Table Z presents the inhabitants of the modern sea grounds in a rough way - the proportions in which the latter are peopled - and the proportions of the constants and the inconstants - so measuring the amount of Divergence -

My dear Dawson

Sept: 16/68

I have thought well to send you this little summary - in order to lessen the labour of any Reviewer - The reviewer may perceive several or many more topics - For I am too much immersed in printing & publishing details and in family matters to do the thing justice

I have been detained in town by my wife's eyes - Every other person among your London acquaintances is away - Murchison, Etheridge &c - They will not be home before early in October.

You will be glad to hear & so will Mrs. Down

A few principal contents of the Thesaurus, or
results hastily got together - see the 12 Heads of
Subjects
p. VII

In pp: VI and LI are placed many inter-
esting subjects of enquiry, which are either con-
sidered possible - or made easier by the Thesaurus.

The Thesaurus deals primarily with distribu-
tion - but we are led by it into ^{interesting} ~~unexplored~~ chan-
nels of thought

-

It gives a synoptical view of all Silurian life
- as now known - & in the latest method of classifⁿ

It distributes species, genera &c stratigraphi-
cally & geographically - The comparative
strength of orders, genera &c in each country given
numerically for each country. in the geograph. Summary

The rapid increase of species (in No.) of late
years. In 1856 - 2093 - In 1860 - 8897 species -

the Carnivorous predominating greatly.

These numbers represent $\frac{1}{10}^{\text{th}}$ or $\frac{1}{20}^{\text{th}}$ of the hard
shells fossils of this period -

These marine existences - their numbers, habits, sta-
-tions, connexions analysed, and commented on -
as has been done for the Gasteropoda. Trilobeta
Cruroida Cephalopoda - each order yielding
its peculiar traits -

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Pagely's Notes
 Oct 1888

I have sent copies to Dana - "A 3 E Philadelphia
 3 to Newburg

that my wife will by the blessing of God be restored
 to sight - the operation was unusually severe
 but has answered - She gets her spectacles on the 19th
 We purpose going to Hastings early in October for
 3 weeks -
 We leave servants at home - all letters are forward-
 ed to us. -

The accompanying paper about the Thesaurus you
 can send where you like -
 I am thinking now of making a Thesaurus Devotee
 copy - or perhaps of amplifying and illustrating in a
 separate little book, my "facts & observations."
 Please to give my respectful & kind regards to Mrs
 Dawson. Altho not personally known, she is entitled
 to that - fully, as your wife & Annie's Mother
 To Annie & George - our love. I am very dear Diana
 in truly yours
 J. I. Pagely