

making a difference of only 1275*l.* 10*s.*, between the amount of contributions received from existing compounders and the value of the funded property.

The Council have also to announce that the First Part of Vol. VI. of the Transactions has been published during the past year, and that the Second Part is in the press.

The Council have resolved that the Wollaston Gold Medal for 1842 be awarded to Leopold von Buch, for the eminent services which he has rendered to Geology by his extraordinary and unremitting exertions during a long series of years, and for his recent researches in Palæontology; and that the sum of 24*l.*, the balance of the proceeds of the Wollaston Fund, be granted to Mr. Morris to assist him in his intended publication of a tabular view of British organic remains.

*Report of Museum Committee, 1842.*

The Museum contains the following collections :—

1. A systematic collection of simple minerals.
2. A systematic collection of rocks.
3. A systematic collection of recent shells.
4. A systematic collection of organic remains, arranged with the rocks' specimens.
5. A systematic collection of rocks of England.
6. A systematic collection of rocks of Scotland.
7. A systematic collection of rocks of Ireland.
8. A systematic collection of rocks of foreign countries.
9. A systematic collection illustrative of detached subjects in geology.
10. A systematic collection illustrative of alteration of rocks in contact with granitic and other mineral veins.
11. A systematic collection illustrative of varieties of concretions, structure, cleavage, weathering, &c.

No. 1.—*A systematic collection of simple Minerals.*

The number of drawers appropriated to this department has been increased since the last anniversary from 60 to 74. This statement, however, by no means conveys an adequate idea of the real extension of the collection, which may be estimated to have been increased nearly one-third. The collection was completely re-arranged in 1831, and an alphabetical catalogue made of the specimens. During the last twelve months the arrangement has been revised and improved and the catalogue completed up to the present time.

No. 2.—*A systematic or oryctological collection of Rocks.*

This collection, if considered independently, consists for the most part of the Freyberg Collection, and several suites presented some time since by Mr. Greenough. Its growth has of late been stunted by want of sufficient accommodation.

A large proportion of the specimens given by Dr. MacCulloch,

though incorporated with the Scotch collection, properly belongs to this head.

No. 3.—*Recent Shells.*

This collection was arranged some time ago, but its place having been lately shifted, the arrangement has been necessarily disturbed; a short time, however, will bring it into order again. This series might be easily extended if thought desirable.

No. 4.—*Organic Remains.*

It has been at different periods in the contemplation of the Society to form a collection of organic remains, arranged after the same manner as the recent shells, but this object having been considered secondary, it has been as yet but very imperfectly attained: it has also been hoped that, in deference to the recommendation of the British Association for the Advancement of Science, these two collections would have been undertaken on a scale commensurate with their importance by the British Museum. They appear to your Committee to belong properly to that establishment, and they deeply regret that the governing body of the Museum have not begun to carry into effect the above-mentioned recommendation.

Your Committee suggest the advantage, when time permits, of forming an index to the fossil shells, either according to a natural system, or alphabetically, so that any person may know in what drawer a given species can be found without searching catalogues of separate formations.

No. 5.—*Of the Rocks of England, fossils included, arranged in the order of superposition.*

This being by far the most important part of the collection, requires a more detailed statement. It occupies 641 drawers.

The following table contains a list of its members and the space occupied by each:—

Alluvium . . . . .	4	Lower greensand . . . . .	27
Diluvium . . . . .	20	Weald clay . . . . .	3
Cavern remains . . . . .	8	Hastings sand . . . . .	19
Post-tertiary . . . . .	7	Purbeck beds . . . . .	8
Bovey coal . . . . .	1	Portland stone . . . . .	11
Norfolk crag . . . . .	4	Kimmeridge clay . . . . .	4
Red crag . . . . .	13	Coral rag . . . . .	18
Coralline crag . . . . .	11	Oxford clay . . . . .	4
Upper freshwater . . . . .	1	Kelloway rock . . . . .	3
Upper marine . . . . .	2	Cornbrash . . . . .	6
Lower freshwater . . . . .	3	Forest marble . . . . .	11
London clay . . . . .	26	Upper Moorland sandstone	4
Plastic clay . . . . .	7	Bradford clay . . . . .	2
Chalk . . . . .	35	Great oolite, including } 29	
Chalk marl . . . . .	2	Stonesfield slate . . . . }	
Upper greensand . . . . .	13	Oolitic coal-shale and } 2	
Gault . . . . .	8	sandstone of Yorkshire }	

Fuller's earth.....	2	Lower culm-measures . . . . .	2
Inferior oolite . . . . .	21	Herefordshire red sandstone	8
Alum shale of Whitby, &c.	2	Devonian beds . . . . .	22
Marlstone . . . . .	10	Upper Ludlow . . . . .	10
Lias . . . . .	31	Aymestry limestone . . . . .	3
Red marl . . . . .	3	Lower Ludlow . . . . .	9
Red sandstone . . . . .	13	Wenlock limestone . . . . .	15
Magnesian limestone. . . . .	16	Wenlock shale . . . . .	3
Rodt rodt . . . . .	3	Upper Silurian (South } Wales) . . . . . }	3
Coal-measures . . . . .	72	Caradoc sandstone . . . . .	15
Millstone grit. . . . .	3	Llandeilo flags . . . . .	6
Upper limestone shale . . . . .	2	Præ-silurian . . . . .	8
Carboniferous limestone . . . . .	43		

Your Committee are of opinion that this portion of the collection at least should be pressed forward towards completion,—that the desiderata, whatever they are, should be made extensively known; it is the part which experience has shown to be the most attractive and interesting both to foreigners and natives; it is the part most easily arranged, and the utility of which is the most apparent, and it is also that of which the deficiencies can be most readily supplied.

It would be well to direct the Curator to make out a list of deficiencies to be printed in the Proceedings.

	Supplementary Specimens.
Schists from Isle of Man. . . . .	7
Anglesea . . . . .	5
Granite, porphyry, greenstone. . . . .	6
Diallage . . . . .	1
Serpentine . . . . .	2
Porphyry . . . . .	4
Trap. . . . .	24

The Committee submit to the consideration of the Council whether it might not be expedient, till the value of mineralogical character is more clearly ascertained, to throw the whole of the non-fossiliferous rocks into series No. 2; and whether, in order to afford more space for the display of the fossiliferous, it might not be advantageous to deposit the whole of series No. 2. in trays, according to the plan already acted upon, under the sanction of a committee, in reference to the specimens from South America; by this expedient forty additional drawers might be obtained for the fossiliferous beds.

#### No. 6.—*Scotland.*

Occupies 91 drawers, viz.

Alluvial . . . . .	1	Coal . . . . .	9
Pliocene . . . . .	1	Carboniferous limestone . . . . .	3
Oolitic series, from Elgin, } Morayshire, &c. . . . . }	8	Old red . . . . .	15
Lias . . . . .	6	Sandstones (uncertain) . . . . .	2
New red. . . . .	4	Primary limestone. . . . .	4
		Quartz rock . . . . .	3

Argillaceous schist . . . . .	3	Basalt . . . . .	1
Mica slate . . . . .	3	Porphyry . . . . .	3
Gneiss . . . . .	3	Granite . . . . .	4
Claystone . . . . .	1	Grampians . . . . .	2
Hypersthene and hornblende	1	Orkney . . . . .	1
Serpentine . . . . .	3	Shetland . . . . .	3
Greenstone . . . . .	2	Western Isles . . . . .	2
Amygdaloid . . . . .	2		

A large collection of fishes from Lethen near Forres, presented by Lady Gordon Cumming, is in progress of arrangement.

No. 7.—*Irish collection.*

Arranged according to counties.

The following list shows at once the arrangement and the relative proportion of the specimens:—

Donegal . . . . .	8	Mayo . . . . .	4
Armagh . . . . .	1	Roscommon, Galway,	} 2
Londonderry . . . . .	2	Meath, Lowth. &c . . . . .	
Tyrone . . . . .	2	Kildare . . . . .	5
Down . . . . .	3	Dublin . . . . .	5
Carlow and Leitrim . . . . .	1	Wicklow . . . . .	2
Fermanagh . . . . .	7	Kerry . . . . .	8
Antrim . . . . .	13	Cork . . . . .	8
Sligo . . . . .	8	Waterford . . . . .	1

Many fossils from the mountain limestone of Ireland have been received from Lord Enniskillen.

The Museum Committee of last year, 1841, recommended four new cabinets, containing eighty-four drawers, at a cost of £51; but it has not been deemed prudent to incur that expense.

No. 8.—*The Foreign collection.*

In the foreign collection, organic remains have been distributed in forty-five drawers, of which twenty-six were gained in consequence of the South American specimens being removed into cases.

A large portion of the fossils were presented to the Society, with their names accompanying them; but these in every case have been compared by Mr. Lonsdale with the descriptions given in the best works,—those which were sent without names have since been examined and named by Mr. Lonsdale: some, however, of the fossils require further examination, and their names being fairly copied out. In the foreign department of the Museum, the most interesting addition, during the past year, have been six drawers of Silurian fossils from New York, presented by Mr. Henwood; and four drawers of fossils from the carboniferous series of Russia, presented by General Tcheffkine. Mr. Lyell also has deposited a valuable series of shells from the tertiary beds of Touraine.

The following statement contains a summary of the foreign collection :—

	Total Drawers.		Total Drawers.
Spitzbergen . . . . .	3	France :	
Iceland . . . . .	6	Chain of the Vosges. . . . .	4
Faroe Islands. . . . .	2	Departments.	
Denmark . . . . .	2	Nord . . . . .	4
Sweden . . . . .	5	Seine Inf. Eure, Cal- } vados, La Manche } 9	
Norway . . . . .	9	Seine (basin of Paris)	32
Russia :		Ardennes . . . . .	1
Northern and Central. . . . .	7	Loiret . . . . .	1
Volhynia . . . . .	1	Indre et Loire . . . . .	1
Crimea . . . . .	2	Haute Vienne . . . . .	2
	—10	Cantal . . . . .	8
Poland . . . . .	1	Puy de Dome . . . . .	14
Austria . . . . .	2	Maine et Loire. . . . .	1
Styria . . . . .	4	Morbihan and Ille et } Vilaine . . . . . } 1	
Tyrol . . . . .	4	Haut Rhin . . . . .	1
Hungary . . . . .	20	Bas Rhin. . . . .	6
	—30	Haute Saone . . . . .	3
Bavaria :		Doulos . . . . .	1
Including Franconia . . . . .	25	Cote d'or . . . . .	1
Saxony, various localities	1	Saone et Loire. . . . .	1
Freyberg . . . . .	10	Rhone . . . . .	2
Hartz . . . . .	7	Haute Loire. . . . .	2
Thuringia . . . . .	1	Ardèche . . . . .	1
	—19	Hérault . . . . .	1
Heligoland. . . . .	2	Pyrénées Orientales } et Arrière . . . . . } 1	
Hanover. . . . .	1	Hautes Pyrénées. . . . .	1
Brunswick . . . . .	1	Gironde . . . . .	2
Wurtemberg . . . . .	16	Basses Pyrénées . . . . .	1
Duchy of Baden. . . . .	4	Bouches du Rhone . . . . .	3
Duchy of Nassau . . . . .	6		—105
Electorate of Hesse Cassel	3	Spain :	
Rhenish Prussia. . . . .	37	Province of Granada . . . . .	8
Belgium :		Province of Barcelona. . . . .	1
Province of Liège . . . . .	2		— 9
Province of Limbourg. . . . .	20	Gibraltar . . . . .	2
Province of Brabant . . . . .	3	Portugal :	
Province of Hainault. . . . .	3	Province of Entre } Douro e Minho . . . . . } 1	
Province of Anvers . . . . .	1	Province of Estremadura	4
	—29		— 5

	Total Drawers.		Total Drawers.
States of Sardinia :		Brought up	19
Duchy of Savoy . . . . .	13	Malabar . . . . .	3
Principality of Piedmont . . . . .	6	Hyderabad and Presi- } County of Nizza . . . . .	4
Island of Sardinia . . . . .	1	dency of Madras . . . . .	3
	—22	Northern Circars . . . . .	3
Switzerland :		Gundwana . . . . .	4
Cantons . . . . .		Berar . . . . .	3
Vaud . . . . .	5	Allahabad . . . . .	5
Glaris . . . . .	2	Bahar . . . . .	1
Berne . . . . .	1	Bengal . . . . .	13
Tessin . . . . .	1		—55
Neuchatel . . . . .	2	Birman Empire . . . . .	9
Valais . . . . .	4	Cochin China . . . . .	1
Genève . . . . .	1	China . . . . .	1
	—16	Coast of Corea and Is- } land of Loo-Choo . . . . .	2
Austrian Italy :		Indian Archipelago :	
Province of Vicenza . . . . .	5	Sincapore, Borneo, Pulo } Nias, Pulo Penang } Sumatra . . . . .	1
Province of Padua . . . . .	2	Java . . . . .	2
Province of Verona . . . . .	2		— 4
	— 9	Ceylon . . . . .	4
Papal States . . . . .	8	Egypt . . . . .	14
Kingdom of the two Sicilies :		Isle of France . . . . .	1
Naples . . . . .	14	Southern Africa . . . . .	3
Sicily . . . . .	5	St. Helena . . . . .	2
	—19	Ascension . . . . .	3
Malta . . . . .	4	Cape de Verde . . . . .	1
Graham Island . . . . .	1	Madeira . . . . .	3
Greece . . . . .	3	Greenland . . . . .	5
Ionian Republic . . . . .	1	Coasts of Baffin's Bay, } Hudson's Bay, Mel- } ville Island, &c. . . . .	6
Asia Minor . . . . .	1	Labrador . . . . .	4
Syria (Palestine) . . . . .	5	Arctic regions . . . . .	11
Russian Armenia . . . . .	1	Canada . . . . .	17
Persia . . . . .	7	Newfoundland . . . . .	3
Cutch . . . . .	8	Cape Breton . . . . .	5
India :		Nova Scotia . . . . .	1
Provinces . . . . .		New Brunswick . . . . .	5
Gurwal and Lahore . . . . .	7	United States :	
Delhi, Ajmeer, Malwa } and Khandesh . . . . .	2	Maine and New England . . . . .	3
Malwa . . . . .	1	Massachusetts . . . . .	3
Khandesh . . . . .	1		
Arungabad . . . . .	6	Carried over	— 6
Bejapoor . . . . .	1	Carried up	—19
Mysore . . . . .	1		

	Total Drawers.		Total Drawers.
Brought over	6	Republic of New Gra-	} 2
Connecticut . . . . .	3	nada . . . . .	
New York . . . . .	11	Venezuela . . . . .	1
New Jersey . . . . .	3	Brazils :	
Maryland . . . . .	6	Prov. Rio Janeiro . . . . .	1
Georgia and Delaware . . . . .	2	San Paolo and San } Catharina . . . . . }	} 1
Pennsylvania . . . . .	4	Minas Geraes . . . . .	4
Kentucky . . . . .	1	Rio Grande del Norte . . . . .	1
South Carolina and } West Florida . . . . . }	} 1	Pernambuco and Bahia . . . . .	1
	—37		— 8
California . . . . .	1	Republic of La Plata :	
West Indies :		Prov. of Buenos Ayres . . . . .	5
Bermudas . . . . .	4	Straits of Magellan . . . . .	1
Bahama . . . . .	1	South Sea Islands . . . . .	1
Barbadoes . . . . .	2	Australia :	
Jamaica . . . . .	3	S.E. districts . . . . .	26
Barbuda . . . . .	1	Western districts . . . . .	3
Antigua . . . . .	16	Northern . . . . .	5
Montserrat . . . . .	1	Van Diemen's Land . . . . .	4
Guadaloupe . . . . .	1		—38
St. Lucie . . . . .	1		
St. Vincent . . . . .	3		
Trinidad . . . . .	2		
	—35		

Nos. 9, 10, and 11 do not appear to require notice.

The South American specimens have been stowed in trays fitted to wooden cases of coarse materials and low price, but so as to be readily accessible ; and this plan answers so well, that it may be desirable, while the finances of the Society are low, to dispose in like manner of many other parts of the foreign collection, it being distinctly understood, however, that the existing arrangement is not to be broken up, and that specimens of unconnected districts shall never be allowed to occupy the same tray.

#### LIBRARY.

Your Committee have great satisfaction in bringing under the notice of the Council the judicious manner in which the Library has been arranged by Mr. Lonsdale. The whole of the volumes have been ticketed, lettered, and numbered, and to each of these a reference has been made in the Catalogue. The works have been distributed under the following heads :—

#### Letters.

1. Transactions . . . . . A, B, C, D.
2. Proceedings . . . . . E.
3. Periodicals . . . . . F and G.
4. General Treatises on Geology. . . . . H.

5. Practical Geology . . . . . I, J.
6. Mineralogy . . . . . K.
7. Crystallography, Metallurgy, &c. . . L.
8. Topography . . . . . M.
9. Chemistry . . . . . N.
10. Physics, &c. . . . . P.
11. Natural History . . . . . R.

Your Committee have further to call the attention of the Council to the catalogue of all the Geological works and treatises in the Library, which also has been constructed by Mr. Lonsdale for the most part since the last Report. This important catalogue, which is bound and ready for use, is distributed in six folio volumes, viz.

Topography, 4 vols.; General Treatises, 1 vol.; Works and Memoirs on Organic Remains, 1 vol.

The collection of Maps has received some valuable additions, among which may be specified the Geological Map of France, of Messrs. Elie de Beaumont and Dufrenoy; a series of Charts from the Admiralty; and the newly published sheets of the Ordnance Surveys and the Survey of India.

G. B. GREENHOUGH.  
C. DARWIN.  
E. H. BUNBURY.

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*Comparative Statement of the Number of the Society at the close of the years 1840 and 1841.*

	Dec. 31, 1840.	Dec. 31, 1841.
Compounders . . . . .	108	117
Residents . . . . .	258	251
Non-residents . . . . .	415	416
	781	784
Honorary Members . . . . .	32	28
Foreign Members . . . . .	46	50
Personages of Royal Blood . .	3	3
	81	81
	862	865