

TWENTY-SIXTH  
ANNUAL REPORT  
OF THE  
ROYAL INSTITUTION  
OF  
CORNWALL.

~~~~~  
1844.  
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*Instituted the 5th of February, 1818.*

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TRURO:  
Printed for the Royal Institution of Cornwall, by  
E. HEARD, BOSCAWEN-STREET.

Sm 1845.

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The MUSEUM is open to Members and their families every day except Sundays, between the hours of Ten and Four o'clock, during the Winter, and between Nine and Six o'clock in the Summer.

It is open to the Public generally during the same hours on the payment of *One Shilling* for each person.

PROCEEDINGS  
OF THE  
ANNUAL GENERAL MEETING  
OF  
THE MEMBERS  
OF THE  
ROYAL INSTITUTION OF CORNWALL,

HELD

*On Tuesday, the 3rd of December, 1844.*

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SIR CHARLES LEMON, BART., M.P., F.R.S., AND PRESIDENT,  
IN THE CHAIR.

The Report having been read,

*It was resolved,*

That the Report now read be received, adopted, and printed.

That the most cordial thanks of the Society be given to Major Jenkins, for the liberal support which he has afforded to the Institution, for the valuable donations which he has made to the Museum, and especially for the offer, this day communicated, to bear the expense of an assistant Secretary, who may, while rendering valuable assistance in the Museum, especially promote those Statistical inquiries in which Major Jenkins takes a lively interest.

That the thanks of the Society be given to the Officers and Council for their services during the past year; and that the following gentlemen form the Council for the ensuing year:—

SIR CHARLES LEMON, BART., M.P., F.R.S., *President.*

|                                                                                                                                      |   |                         |
|--------------------------------------------------------------------------------------------------------------------------------------|---|-------------------------|
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JOHN VIVIAN, Esq., *Treasurer.*

|                                     |   |                     |
|-------------------------------------|---|---------------------|
| Mr. W. M. TWEEDY,<br>Dr. C. BARHAM, | } | <i>Secretaries.</i> |
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|                  |  |                    |
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| "  OSLER,        |  | "  W. H. VICE,     |
| "  PADDON,       |  | "  R. WILLIAMS,    |
| "  A. PAULL,     |  | "  Dr. WINN.       |

That the cordial thanks of the Society be given to those gentlemen who have this day and during the past year favoured the Society with papers or other communications; and also to the donors to the Museum; and that Mr. Nicholas Whitley, from whom the Society has received valuable assistance, be elected an Associate.

That the most cordial thanks of this meeting be given to Sir Charles Lemon, Bart., for the ability with which he has presided over the proceedings of this day.

## REPORT.

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The history of the Institution, during the past year does not present any very remarkable novelty, and therefore does not require to be dwelt on at any length. There has, however, been a steady progress in the fulfilment of its designs, and its present position is favourable for increased usefulness to the County.

Our funds are in a more satisfactory state than they have hitherto been. The produce of the bazaar took off £300 from the mortgage debt, and entirely liquidated the floating debt; and after laying out from the same source £10 10s. on the purchase of minerals offered at an unusually low price, a balance of £23 16s. 5d. remains applicable either to further reduction of the debt, or to the purchase of additional cases, which are much needed.

On the ordinary account the Council have been enabled to expend a large sum in putting the roof and skylights in thorough repair, and to pay £13 10s. for the services of an Assistant Curator, who has done much in arranging and ticketing the various objects in the Museum.

The number of visitors has considerably exceeded that of the preceding year. *In the Whitsun week, the experiment was tried of charging one-half the usual admission fee, and the result was sufficiently successful to induce us to recommend that the same course be followed at Christmas.*

Your Council have taken steps during the year, to ascertain in whom the proprietary shares in the Institution are actually vested. In doing this, they have been chiefly guided by Rule V, and many shares have been transferred, and the fees have been paid accordingly. But some doubts have arisen as to its construction, and we therefore propose that it be remodelled and stand in future as follows:—

“Shares may be bequeathed, but if they be not specifically mentioned in the bequest, the party claiming to take a beneficial interest shall pay to the Royal Institution a fee of £1 1s. in respect of each share. When shares shall be left generally as residue, the person entitled shall pay the above fee, and if more than one person is entitled to the property, one only shall be admitted to the benefits of each share, and that only on the production of a written transfer in his or her favour, from the other legatee or legatees of his, her, or their part or parts in the property of the said share.”



The annual charges have been further reduced by the exemption from parochial rates, which has been secured under a recent Act of Parliament.

Under these circumstances we should indulge the hope that our operations might be at least maintained on the same scale as heretofore, but our means are still too limited to admit of our obtaining the services of an Assistant Secretary and Curator, whose time should be entirely at our command, services which have long been felt by those most interested in the Institution, and best aware of its capabilities of expansion, to be quite essential to its full success. It is therefore with peculiar satisfaction that we announce an offer from one, whose benefactions have been recorded in every Report, Major Jenkins, *guaranteeing, for three or four years, the payment of the salary of a person properly qualified for the duties above mentioned.*

In this liberal offer, Major Jenkins has had partly in view the attainment of an object he has looked on, in common with other members, as very desirable and particularly appropriate to this Institution, that of perfecting a Record of the Parochial History and Statistics of the County. For doing this, plans have been, from time to time, proposed among us, which have failed, in consequence chiefly of our being unprovided with a secretary whose time could be devoted to the carrying them into effect. We may now confidently anticipate results creditable to the Institution and serviceable to the public.

But for the direction of the labours of such an officer, the co-operation of members will be especially required, and it is hoped that the expectation of accomplishing some definite works, will induce those interested in particular subjects to unite for the purpose of pointing out the most eligible method of proceeding. It was suggested in the course of last year, that the forming within the Institution of a certain number of sectional divisions for the cultivation of particular departments would tend to increase our activity and productiveness. The meeting of members at times convenient to themselves for the furtherance of a common and favorite pursuit as antiquities, natural history, or statistics would probably be more fruitful as well as agreeable than the periodical general assemblages of the whole body. These last would, however, be benefited in their turn, by the communication from the several sections of such matters as were best adapted for a mixed audience.

The evening meetings of the members have been continued, and several interesting papers have been communicated to them. Among these may be noticed an account of and disquisition on the old church of Perranzabuloe, as having been published at the request of the society, though it now appears in an expanded shape, constituting a pleasing and popular volume.

Other valuable antiquarian notices have been read on those occasions, and will be printed entire or in abstract, with this Report, together with the various contributions to our knowledge of the natural history of Cornwall. These publications associated with our Fauna, have raised our Institution to a very creditable rank among provincial societies, and we received a pleasing testimony of this

estimation in the reception given by the British Association at York to Mr. C. W. Peach, who, as our delegate, attended the meeting, by which we were recognized as a Society publishing Transactions.

The printing of the third volume of our Fauna is completed, and it will very speedily be published.

We are, as usual, indebted to a long list of friends who have contributed to our Museum. Among those we feel bound to record our obligations to Mr. Dawe, who has sent a magnificent collection of fossil bones from India. We are also glad to express our thanks for several specimens of recent osteology, from Mr. Clogg, of Liskeard,—the museum being rather deficient in this department, which is the essential basis of all accurate knowledge of animal structures.

Our meteorological observations have been regularly continued, and they have enabled us to co-operate in two great attempts to turn this department of science to practical account—the one in its relations to agriculture under the auspices of the British Agricultural Society—the other under the direction of Mr. Farr, of the Registrar General's office, who in association with the Astronomer Royal, has been engaged in ascertaining the reciprocal relations of the changes of weather and the changes of public health,—an investigation which will no doubt be long continued, and which cannot fail when undertaken by men at once so able and so favorably circumstanced, to advance our knowledge on this universally interesting subject to a most important extent.

**Dr. John Vibian, Esq., in Account with the Royal Institution. Cr.**

**FLOATING DEBT.**

|                                           | £     | s. | d. |
|-------------------------------------------|-------|----|----|
| 1844.                                     |       |    |    |
| July 31.—To Visitors .....                | 13    | 7  | 0  |
| Fees on Transfers of Shares .....         | 9     | 9  | 0  |
| Proceeds of Bazaar .....                  | 350   | 8  | 1  |
|                                           | <hr/> |    |    |
| Balance .....                             | £373  | 4  | 1  |
|                                           | <hr/> |    |    |
|                                           |       |    |    |
| 1844.                                     |       |    |    |
| July 31.—By Balance, 31st July, 1843..... | 16    | 8  | 6  |
| Expenses of Bazaar.....                   | 22    | 9  | 2  |
| Part of Mortgage.....                     | 300   | 0  | 0  |
| Purchase of Minerals.....                 | 10    | 10 | 0  |
| Balance .....                             | 23    | 16 | 5  |
|                                           | <hr/> |    |    |
| Balance .....                             | £373  | 4  | 1  |

**CURRENT ACCOUNT.**

|                                        | £     | s. | d. |
|----------------------------------------|-------|----|----|
| 1844.                                  |       |    |    |
| July 31.—To Annual Subscriptions ..... | 107   | 1  | 0  |
| Rents, Library .....                   | £20   | 0  | 0  |
| Horticultural Society.....             | 10    | 10 | 0  |
| Truro Institution, two years.....      | 12    | 12 | 0  |
|                                        | <hr/> |    |    |
|                                        | 43    | 2  | 0  |
|                                        | <hr/> |    |    |
| 1844.                                  |       |    |    |
| July 31.—By Rates and Taxes .....      | 13    | 6  | 2  |
| Fire Insurance .....                   | 5     | 8  | 0  |
| Repairs .....                          | 15    | 19 | 7  |
| Housekeeper's Salary .....             | 9     | 19 | 4  |
| Coals and Candles .....                | 4     | 0  | 7  |
| Museum Expenses.....                   | 15    | 4  | 0  |
| Assistant Curator's Salary.....        | 13    | 10 | 0  |
| Printing Twenty-fifth Report....       | 14    | 14 | 0  |
| Journal of Science .....               | 1     | 10 | 0  |
| Printing and Advertising .....         | 5     | 1  | 6  |
| Sundries .....                         | 4     | 18 | 3  |
|                                        | <hr/> |    |    |
| Interest on Mortgage Debt.....         | 103   | 11 | 5  |
| Balance .....                          | 46    | 0  | 0  |
|                                        | <hr/> |    |    |
| Balance .....                          | £150  | 3  | 0  |

# PRESENTS

## MADE TO THE INSTITUTION,

FROM

*The 28th of October, 1843, to the 10th of November, 1844.*

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|                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mr. J. Couch, F.L.S., <i>Poiperro</i> , }<br>Corresponding Member ..... }  | Specimens of fifty-two varieties of Cornish Shells; Limestone pierced by <i>Pholades</i> ; <i>Nidus</i> of <i>Buccinum undatum</i> ; specimens of <i>Syngnathus Typhle</i> , <i>Rhombus arnoglossus</i> and <i>Pleuronectes hirtus</i> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Capt. James, Royal Engineers, }<br>Corresponding Member ..... }            | Seventy-eight valuable Silurian and Mountain Limestone Fossils, from <i>Waterford</i> , including <i>Asaphus</i> , <i>Clymene</i> , <i>Orthis</i> , <i>Gorgonia</i> , <i>Favosites</i> , <i>Euomphalus</i> , <i>Leptæna</i> , &c., &c., and six <i>Celts</i> , from <i>Ireland</i> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Mr. St. Aubyn Rogers .....                                                 | A specimen of Petrified Moss, from <i>Bosahan</i> , and thirty-nine Fossils from <i>Berkshire</i> and <i>Oxfordshire</i> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Mr. N. Whitley .....                                                       | Large Pebble of Quartz in Elvan, from near <i>Bodmin</i> , and a specimen of Petrified Wood, from near <i>London</i> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Major Jenkins, <i>Assam</i> , Honorary }<br>Member..... }                  | Head of a <i>Rhinoceros</i> , Skulls and Horns of various species of Deer, <i>Thibet</i> Sheep, Goat, and of a Wild Cow, from <i>Assam</i> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Mr. Wm. Dawe, <i>Daderpoor, East</i> }<br><i>Indies</i> , Associate..... } | Valuable Fossils, consisting of heads of Elephants, Alligators, <i>Rhinoceros</i> , Hog, Bullock, Deer, Fragments of the head of the Hippopotamus, ditto of the upper and lower jaws, femur, tibia, scapula, vertebræ and tusks of the Elephant; of the antlers of the Gigantic Elk; of the jaws of Deer, and of Turtles; a Turtle very perfect; other fragments of the heads of the Buffalo and Bullock; a cluster of leg bones, supposed to be of Deer, and a great variety of teeth, including those of the Horse, Bullock, Buffalo, Hippopotamus and Tiger; recent horns of the Antelope, fresh water Shells, from the bed of the <i>Jumna</i> and <i>Soombe</i> , an <i>Affghan</i> Chieftain's casque, powder horn and <i>Kookerie</i> or short sword. |
| Mr. W. H. Bullmore .....                                                   | White Grouse, from <i>Norway</i> .                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Capt. Pooley, <i>Madras Infantry</i> ....                                  | Models of a <i>Catamaran</i> and the <i>Massoolah</i> Boat used at <i>Madras</i> ; specimen of <i>Remora</i> , preserved in spirits.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

B

- Mr. Dickinson, *Merthyr Tydell* }  
Corresponding Member .....
- Mr. Jos. Davies, *Chacewater* .....
- Mr. James Gately .....
- Mrs. Stackhouse, *Trehane* .....
- Mr. H. O. Bullmore, *Falmouth* .....
- Miss G. Crapp .....
- Royal Geological Society of Cornwall.
- Mr. Couch, *Polperro* .....
- Mr. J. T. Foster, *Upper Clapton* .....
- Mr. D. Gooch, C. E., *Paddington* ..
- Capt. James, R. E. ....
- Mr. J. M. Williams, *Scorrier House*.
- Mr. C. W. Peach, Associate .....
- Mr. W. H. Bullmore .....
- Messrs. Thomas and James Ople ..
- Lieut. Col. Gwatkin, *Meerut, Cor.* }  
Mem. ....
- Mr. Henwood .....
- Miss Taylor .....
- Mr. C. Jackson, and Mr. Clogg .....
- Miss Holland .....
- Mr. D. Gooch, C. E., *Paddington* ..
- Mr. Bullmore, jun. ....
- Mr. S. Michell .....
- Mr. Henwood .....
- Dr. Carlyon .....
- Mr. S. Michell .....
- Mr. W. F. Karkeek .....
- Major Jenkins, *Assam* .....
- Sixteen specimens illustrative of the manufacture of Iron, from the *Dowlais Iron Works, Merthyr Tydell*.
- Eight specimens of Gossan and Copper, from a lode discovered by him in Spain.
- Cockroaches, found in a chest of tea.
- Crown of Charles I.
- Roman Coins, found in *Carnon Stream Works, Jersey* Half-penny.
- Their 30th Annual Report.
- Raja maculata*; *Serpula filigrana*; *Echinus*; and fifteen varieties of British Shells.
- Specimens from the *Wodnesbury Coal and Iron beds*.
- Working plans of a Locomotive Engine, as used on the Great Western Railway.
- Specimens of Heulandite, Stilbite, Needlestone, Eriinite, Analcime, Automalite, Hydrolite, Killinite, Phillipsite, Gmelinite, Epidote, Apophyllite, Leunite, Asbestos, Opal, and Heavy Spar, from *Ireland*.
- Specimens of Anthracite, from *Conception Bay, Chili*.
- Specimens of *Cribella oculata*, *Asterias aurantiaca*, *Goniaster Templetoni*, *Solaster papposa*, and part of one of the rays of *Suidia fragilissima*, all from *Cornwall*.
- Claws of the Black Eagle, from *Norway*.
- Cormorant, Razor-bill, and large Black-backed Gull.
- Chameleon, Queen White Ants, preserved in spirits.
- A misshapen Egg.
- A Copper Coin of Sweden.
- Mounted Skeletons of the Swan, Whimbrel, Kestrel, ringed Plover, Purple Sandpiper and Pole-cat.
- Model of a *Catamaran*.
- Series of Specimens to illustrate the manufacture of steel.
- Two Flies, from *Newlyn*.
- Specimens of Uranite, Peastone and fossil *Mytilus edulis*.
- His Report on the Mines of Cornwall, forming the 5th volume of the Transactions of the Royal Geological Society of Cornwall
- Nests of Thrush and Wren, found in *justa-position in ivy*.
- Thirty polished Specimens of Scotch Pebbles.
- An Essay on Fat and Muscle.
- Twenty-eight Skins of Quadrupeds, consisting of Monkeys, Squirrels, Otters, Tiger Cats, Antelopes, Porcupine, and two Turtles, from *Malacca*; great number of Skins of Birds, including those of Pheasants, Toucans, Parrots, King-fishers, Horn Bills, Thrushes, Wrens, and other smaller Birds, from *Malacca*. Large collection of Beetles, Locusts, Butterflies and other insects, from *Assam*.
- Hat worn by the Singpho Ladies; double Horn of a Rhinoceros, killed in Upper Assam; Horns of the Yab of Bootan; two Caps of the Nagas.

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|---------------------------------------------------------|--------------------------------------------------------------------|
| Edward Collins, Esq., <i>Truths</i> . . . .             | A Grebe.                                                           |
| E. W. W. Pendarves, Esq., M.P., }<br>F.R.S. . . . . . } | Horned Owl, killed 25th of October, 1844.                          |
| Mr. John Baynard . . . . .                              | An Iron Vein in Killas.                                            |
| Miss James . . . . .                                    | Mosaic, found at the Burying Ground of Perran Old Church.          |
| Messrs. R. Tweedy and J. Dennis . . . .                 | Specimens of Copper and Silver Ore, from <i>Chill</i> .            |
| The Yorkshire Phil. Institution . . . .                 | Their Report.                                                      |
| Miss O. Chilcott . . . . .                              | Specimen of Stalagmite, from <i>Holy Well</i> , in <i>Cubert</i> . |
| Mr. Box . . . . .                                       | Specimen of Turbinolopsis Celtica, from <i>Loos</i> .              |
| Mr. H. L. Jenkins . . . . .                             | A Lancaster Half penny of 1792.                                    |
| Mr. Couch . . . . .                                     | Chiton albus, Chiton fascicularis, old and young.                  |
| Dr. Winn . . . . .                                      | British Urn, found at <i>Merrows</i> , in <i>Gerrans</i> .         |

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## APPENDIX I.

*Description of the Old Church of Saint Piran, by the Reverend W. Haslam, A.B.*

(Read 1st December, 1843.)

This interesting paper has been published at the request of the Members who were present on the occasion of its being read, in a small volume, entitled "Perran-Zabuloe, with an account of the past and present state of the Oratory of Saint Piran in the Sands, and remarks on its antiquity."

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## APPENDIX II.

*Description of an Ancient Urn found at Gerrans, with remarks on the various Sepulchral Urns discovered in Cornwall, by J. M. Winn, M.D.*

(Read July 5, 1844.)

The ancient sepulchral urn, which I have the pleasure of presenting to the Royal Institution of Cornwall, was found at Merrows, in Gerrans, on the 4th of May last. It was discovered whilst the farmer was ploughing his field, by the ploughshare coming in contact with the stone which covered the urn. I visited the neighbourhood to ascertain every particular respecting this interesting remnant of antiquity.

The spot whence it was removed is situated in a field about fifty yards from the junction of two gentle-sloping hills, and a quarter of a mile from the sea; the field is composed of deep-black mould, and has been cultivated for more than sixty years. The urn, when found,