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# Proceedings of the Royal Geographical Society of London.

SESSION 1852-53.

## *First Ordinary Meeting, November 8, 1852.*

The President, Sir RODERICK I. MURCHISON, in the Chair.

*Sir Henry Mervyn Vavasour, Bart.; Rev. Sir Henry R. Dukinfield, Bart.; Capt. J. E. Erskine, R.N.; Dr. F. W. S. Packman, M.D.; John Dickenson, Esq., jun.; William Henderson, Esq.; R. S. Illingworth, Esq.; and W. Foster White, Esq., were elected Fellows.*

The Papers read were—

1. Capt. Kennedy on his return from the Arctic Regions, with Lady Franklin's vessel, the Prince Albert; and Lieut. Bellot's letter to Dr. Shaw.
2. Abstracts of letters received from Commander E. A. Inglefield of the Isabel screw schooner, and Capt. Maguire of the Plover.
3. Mr. A. Petermann, F.R.G.S., on the Whale Fisheries in the Arctic Seas.

The President called attention to the value of the 22nd volume of the Journal, which had been that day published by the Secretary, and which would, as usual, be delivered, upon application, *free* to the Fellows of the Society.

## *Second Ordinary Meeting, November 22, 1852.*

The President, Sir RODERICK I. MURCHISON, in the Chair.

*The Marquis of Breadalbane, K.T.; Dr. R. G. Latham, M.D.; Henry Browning, Esq.; John Watkins, Esq.; Lieut.-Col. A. A. T. Cunynghame, 27th Regt.; Major H. S. Rowan, R.A.; Capt. B. Wade; W. Cotton Oswell, Esq.; Lieut. Thomas Saumarez, R.N.; Lieut. J. W. Pike, R.N.; Lionel Gisborne, Esq., C.E.; T. Stubbs, Esq.; Thomas Forester, Esq.; James Talboys Wheeler, Esq.; and James Glenie Price, Esq., were elected Fellows.*

The Paper read was—

Commander E. A. Inglefield, F.R.G.S., of the Isabel, on his return from the Arctic Regions.

## *Third Ordinary Meeting, December 13, 1852.*

The President, Sir RODERICK I. MURCHISON, in the Chair.

*Capt. Henry Strachey; Lewis Powell, Esq., M.D.; and Walter McLeod, Esq., were elected Fellows.*

The Papers read were—

1. Survey of the Sea of Aral, by Capt. Butakof, of the Imp. Russian Navy.
2. Surveys in Western Tibet, by Capt. Henry Strachey, for which the Patron's Gold Medal was awarded.

*Fourth Ordinary Meeting, January 10, 1853.*

The President, Sir RODERICK I. MURCHISON, in the Chair.

*Sir Peregrine P. F. P. Acland, Bart.; Lieut.-Gen. Sir George Pollock, G.C.B.; Richard Monckton Milnes, Esq., M.P.; Rev. Thos. W. Jenkyn, D.D.; Capt. Wm. Moorsom, R.N.; Commander Peter Cracroft; Commander Thomas Miller; Dr. John Rae; John Coningham, Esq.; and James Tilleard, Esq., were elected Fellows.*

The Papers read were—

1. An attempt to account for numerous appearances of Sudden Drainage on the Sides of the Basin of the Dead Sea, by Capt. Wm. Allen, R.N., F.R.S., F.R.G.S.

2. Outlines of a Journey in Palestine in 1852, by the Rev. Dr. E. Robinson and others.

*Fifth Ordinary Meeting, January 24, 1853.*

The President, Sir RODERICK I. MURCHISON, in the Chair.

*Richard T. Gore, Esq.; R. Newton Hayward, Esq.; Capt. John H. Lefroy, R.A.; James Loch, Esq.; Joseph Reynolds, Esq.; Albert Robinson, Esq., C.E.; Bethel H. Strousberg, Esq.; and George Ward, Esq., were elected Fellows.*

The Papers read were—

1. Ascent of the Upper Nile, by Mr. Brun-Rollet, communicated by Sig. Christoforo Negri of Turin, Cor. F.R.G.S., with remarks by Mr. Macqueen, F.R.G.S.

2. Traject across Africa, by a Moorish Caravan from Zanzibar to Angola, with Notes, by Mr. Cooley, F.R.G.S.

3. An account of two Expeditions made into Central Africa, by the Furany, communicated by Dr. Barth through Dr. Beke, F.R.G.S.

*Sixth Ordinary Meeting, February 14, 1853.*

The President, Sir RODERICK I. MURCHISON, in the Chair.

*J. Silk Buckingham, Esq.; Capt. Fortescue Harris; Capt. George Hand, R.N.; Peter Levesque, Esq.; Henry Sewell, Esq.; Capt. W. H. Walker; and Arthur Westmacott, Esq., were elected Fellows.*

The Papers read were—

1. Abstract of Letters received from Mr. Ladislaus Magyar, dated April 20, 1851, Sah-Quilem, on the River Kaszabi, in the Kingdom of Kalunda, in Central Africa, S. lat.  $4^{\circ} 41'$ , and E. long.  $23^{\circ} 43'$ , translated by Dr. H. Rónay.

2. Remarks on the Country between Seleucia, the Valley of the Orontes, Antioch, and Apimere, to Belis on the Euphrates, by Dr. Thompson.

3. Remarks on the Watershed of the Wadi-el-Arabá, by Capt. Wm. Allen, R.N., F.R.S., F.R.G.S.

The President particularly directed the attention of the Meeting to the valuable present of Atlases, Maps, and Charts which, by the permission of

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the Lords of the Treasury, had been presented, through Sir Charles E. Trevelyan, to the Society.

*Seventh Ordinary Meeting, February 28, 1853.*

The President, Sir RODERICK I. MURCHISON, in the Chair.

*Capt. Edward Barnett, R.N.; Rev. Brymer Belcher; Sir Edward North Buxton, Bart.; Dr. Edward Cullen; R. W. Grenfell, Esq.; Charles Mallet, Esq.; Sir George Osburn, Bart.; Alexander Peckover, Esq.; Dr. Philip Pusey; and Dr. George Sexton, were elected Fellows.*

The Papers read were—

1. Mines of Copiapo, by Colonel J. A. Lloyd, F.R.S., F.R.G.S., H.B.M.'s Chargé d'Affaires in Bolivia, communicated by H.R.H. Prince Albert, through Sir R. I. Murchison.

2. Report of a Canoe Expedition along the East Coast of Vancouver Island, by Governor J. Douglas, communicated by the Colonial Office.

3. Note on part of Queen Charlotte Islands, in the North Pacific, with specimens of the Gold-bearing-Quartz from Una Point, Mitchell Harbour, Middle Island.

The President directed attention to the present of Ancient Atlases from his Grace the Duke of Manchester, and to a bust of the lamented African traveller, Mr. James Richardson; and alluded also to the further loss the expedition had sustained in the recent death of Dr. Overweg, whose investigations in African geology and meteorology would, he hoped, soon be made known to the public.

*Eighth Ordinary Meeting, March 14, 1853.*

The President, Sir RODERICK I. MURCHISON, in the Chair.

*M. I. Brickdale, Esq.; Capt. R. Gordon, R.N.; Capt. the Hon. E. Harris, R.N.; G. H. Strutt, Esq.; and Capt. S. E. Widdrington, R.N., were elected Fellows.*

The Paper read was—

Capt. R. Fitz Roy, R.N., F.R.S., F.R.G.S. Further Considerations on the Great Isthmus of Central America.

The President announced that he had directed cards of invitation to his soirées, on the 21st of March and the 4th of April, to be sent to the Fellows of the Society, and expressed a hope to see a numerous attendance at his house on those occasions.

*Ninth Ordinary Meeting, April 11, 1853.*

The President, Sir RODERICK I. MURCHISON, in the Chair.

*M. Pierre de Tchihatchef was elected an Honorary Member, and The Earl of Gifford; Capt. W. H. Hall, R.N.; John Henderson, Esq.; G. A. Hoskins, Esq.; Robert Lowe, Esq., M.P.; and George Peacock, Esq., were elected Fellows.*

The Paper read was—

Oceanic Currents, and their connection with the proposed Central-America Canals, by Mr. A. G. Findlay, F.R.G.S.

*Tenth Ordinary Meeting, April 25, 1853.*

The President, Sir RODERICK I. MURCHISON, in the Chair.

*Henry Bourne, Esq.; C. Chidley Coote, Esq.; Viscount Goderich; J. M. Haldon, Esq.; Rev. D. Halkett; Dr. E. G. Irving, R.N.; E. R. Simmons, Esq.; George Smith, Esq., of Peru; H. S. Southey, Esq.; and his Grace the Duke of Wellington, were elected Fellows.*

The Papers read were—

1. Extracts from a Journal up the Koladyn River (Aracan), with Description of the Scenery, Topography, Inhabitants, and Products of the Country, by Capt. S. R. Tickell, B.N.I.

2. Notes from an Excursion to the supposed Tombs of Ezekiel, and the neighbourhood of the sacred Cities of Najif and Kerbelah, through the Marshes W. of the Euphrates, by Thos. Kerr Lynch, Esq., communicated by Col. Rawlinson, C.B., F.R.G.S.

The President announced that the Council had awarded the two Gold Medals of the year to Francis Galton, Esq., for his valuable explorations in Southern Africa; and to Commander Edward Augustus Inglefield, for his recent Arctic surveys.

*Eleventh Ordinary Meeting, May 9, 1853.*

The President, Sir RODERICK I. MURCHISON, in the Chair.

*Prof. D. T. Ansted; James Ashwell, Esq., C.E.; the Right Hon. E. Cardwell, M.P.; the Right Hon. the Earl of Clarendon, K.G.; Capt. the Hon. F. Egerton, R.N.; Capt. Oct. Vernon Harcourt, R.N.; John Holmes, Esq., of the British Museum; Sir Ralph Howard, Bart.; Sir John V. B. Johnstone, Bart., M.P.; Edward Porter, Esq.; Lord Stanley, M.P.; Count P. E. de Strzelecki; and the Right Hon. Sir Charles Wood, Bart., M.P., were elected Fellows.*

The Papers read were—

1. On the large Continental Ice-masses of Greenland, and the origin of the Icebergs in the Arctic Seas, by Dr. H. Rink of Copenhagen, communicated by Dr. Shaw.

2. The Mining prospects of Greenland, by J. A. Lundt, Esq., communicated by Sir Walter C. Trevelyan.

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ANNIVERSARY MEETING, 1 P.M., MAY 23, 1853.

(Held at the Royal Institution, Albemarle Street.)

*The President, Sir RODERICK I. MURCHISON, in the Chair.*

The Minutes of the previous Meeting having been read and confirmed, the Regulations respecting the Anniversary Meetings were read, when the President appointed Augustus Petermann and Trelawney Saunders, Esqs., Scrutineers for the Ballot.

*Mr. J. M. Ziegler, of Winterthur (author of the Atlas of St. Gall and Appenzell, and of Maps of Switzerland, &c.), as a Corresponding Member; Sir Joseph W. Copley, Bart.; Sir Francis H. Doyle, Bart.; Lieut.-Col. Geo. T. Conolly Napier, C.B.; Right Hon. Sir*

*John Pakington, Bart., M.P.; Dr. James Price, M.D.; Prof. Edward Solly; Dr. W. R. Wagstaff; Capt. B. Williams; John G. Cole, Esq.; John Wm. Cunningham, Esq., Sec. King's College; George Moffat, Esq., M.P.; Charles Sevin, Esq.; George Tomline, Esq., M.P.; Edward W. Whinfield, Esq.; and Stuart Donaldson, Esq., of Australia, were proposed as Candidates for election at the next Meeting.*

The Report of the Council, together with the Balance-sheet for 1852, and the Estimate for 1853, was read and adopted. The President then reported the grounds on which the Council had awarded the Royal Medals, "for the Encouragement of Geographical Science and Discovery," to Francis Galton, Esq., and Commander Edward Augustus Inglefield (see p. lviii.). The Anniversary Address was next read, when a unanimous vote of thanks was passed, with a request that the President would allow the Address to be printed.

At the conclusion of the Ballot the Scrutineers reported that the changes recommended by the Council had been adopted, and that the following had been duly elected:—

*President.*—The Right Honourable the Earl of ELLESMERE, D.C.L., F.S.A., F.R.A.S., &c. &c. &c.

*Vice-Presidents.*—Sir RODERICK I. MURCHISON, G.C.St.S., M.A., D.C.L., F.R.S., &c. &c.; Sir CHARLES FELLOWS; the Right Hon. Lord COLCHESTER, R.N., D.C.L.; Colonel PHILIP J. YORKE, F.R.S., &c.

*Treasurer and ex-officio Trustee.*—ROBERT BIDDULPH, Esq.

*Trustees.*—Sir GEO. T. STAUNTON, Bart., F.R.S.; W. R. HAMILTON, Esq., F.R.S.

*Honorary Secretaries.*—Capt. F. P. BLACKWOOD, R.N., F.R.A.S., and THOMAS HODGKIN, Esq., M.D., &c.

*Council.*—JOHN ARROWSMITH, Esq.; Sir GEORGE BACK, R.N., F.R.S.; Rear-Admiral Sir FRANCIS BEAUFORT, K.C.B.; Vice-Admiral WILLIAM BOWLES, C.B.; Rt. Hon. Sir DAVID DUNDAS; Lieut.-Col. G. EVEREST, F.R.S.; Capt. ROBERT FITZROY, R.N., F.R.S.; GEO. BELLAS GREENOUGH, Esq., F.R.S.; WM. JOHN HAMILTON, Esq., Sec. G.S.; Sir HENRY HOLLAND, Bart., M.D., F.R.S.; Sir WOODBINE PARISH, K.C.H., F.R.S.; Lieut.-Col. J. E. PORTLOCK, R.E., F.R.S.; HENRY RAPER, Esq., R.N., F.R.A.S.; Colonel EDWARD SABINE, R.A., F.R.S.; Right Rev. the BISHOP of ST. ASAPH; Right Hon. the Earl of SHEFFIELD; E. OSBORNE SMITH, Esq., F.S.A.; Rear-Admiral WM. H. SMYTH, K.S.F., D.C.L., F.R.S.; THOMAS STAVELY, Esq. (Foreign Office); Sir WALTER C. TREVELYAN, Bart., M.A.; Rev. W. WHEWELL, D.D., M.A., F.R.S.; Sir GARDNER WILKINSON, LL.D., F.R.S.

The thanks of the Meeting were next separately voted to the retiring President, Vice-Presidents, Hon. Secretary, and Members of the Council, as well as to the Auditors and Scrutineers.

The thanks of the Society were also unanimously voted to the "President and Authorities of the Royal Institution," for their kindness in

granting the use of the Theatre of that Institution for the Meetings of the Society during the past session.

The President finally directed the attention of the Meeting to the usual Anniversary Dinner, and the Meeting adjourned at 4 p.m.

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*Twelfth Ordinary Meeting, June 13, 1853.*

Sir RODERICK I. MURCHISON, Vice-President, in the Chair.

*Lieut. J. Bellot, of the Imp. French Navy; and Mr. J. M. Ziegler, of Winterthur, were elected Corresponding Members, and*

*Sir Joseph W. Copley, Bart.; Sir Francis H. Doyle, Bart.; Lieut.-Col. Geo. T. Conolly Napier, C.B.; Right Hon. Sir John Pakington, Bart., M.P.; Dr. James Price, M.D.; Prof. Edward Solly; Dr. W. R. Wagstaff; Capt. B. Williams; John G. Cole, Esq.; John Wm. Cunningham, Esq., Sec. King's College; George Moffat, Esq., M.P.; Charles Sevin, Esq.; George Tomline, Esq., M.P.; Edward W. Whinfield, Esq.; and Stuart Donaldson, Esq., of Australia, were elected Fellows.*

The Papers read were—

1. Island of Chusan, by Sir John F. Davis, Bart., F.R.S., F.R.G.S., with Map.

2. Peninsula of Samaná in St. Domingo, by Sir R. H. Schomburgk, Corr. F.R.G.S., with Map, communicated by the Foreign Office.

3. Rio Negro and the Head-Waters of the Amazon, by Mr. A. R. Wallace, with Map.

4. Rio Maulé in Chili, by Capt. Walter Hall, with Map.

5. Excursion from the Atrato to the Bay of Cupica, by Commander Friend, communicated by Capt. Barnett, R.N., F.R.G.S.

The Chairman mentioned that a proposition made by Mr. Ernest Haug to explore Australia, having been examined by a Committee and undergone certain modifications, had been recommended to the Council, which had referred the modified plan for further consideration to the "Committee on Expeditions," with the object of ultimately bringing the subject before the Government.

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MISCELLANEOUS.

*Twenty-third Meeting of the British Association for the Advancement of Science, held at Hull, September 7 to 14, 1853.*

*(Section E, Geography and Ethnology.)*

*President.*—Dr. ROBT. GORDON LATHAM, M.A., F.R.S., F.R.G.S.

*Vice-Presidents.*—Capt. Sir J. C. ROSS, R.N., F.R.S.; Rt. Hon. Lord LONDESBOROUGH, F.R.S., F.R.G.S.; JOHN CONOLLY, M.D.; Col. CHESNEY, R.A., F.R.S., F.R.G.S.

*Secretaries.*—Dr. NORTON SHAW; R. CULL, Esq.; and the Rev. H. W. KEMP, B.A., of Hull.

*Committee.*—Sir BENJAMIN OUTRAM, C.B., F.R.S., F.R.G.S.; Sir CH. ANDERSON, Bart.; Rev. WM. ARTHUR, M.A.; WM. SPENCE, F.R.S.; WM. CAMPS, M.D.; A. G. FINDLAY, F.R.G.S.; JOHN LEE, LL.D., F.R.S., F.R.G.S.; FR. HINDMARSH, F.R.G.S.; JOHN HOGG, M.A., F.R.S., F.R.G.S.; F. TUCKETT, F.R.G.S.; H. M. CHADWICK, F.R.G.S.; J. ASHLEY WARRE, F.R.G.S.; BETHEL JACOBS, Esq., of Hull; Dr. BUIST, of Bombay, F.R.G.S.; Judge KENNEDY; TH. WRIGHT, M.A., F.S.A.; ANTHONY ST. LEGER, F.R.G.S.; CLEMENTS GOOD, Esq., of Hull; Col. SABINE, R.A., F.R.S., F.R.G.S.; Dr. HAMEL; and the Rev. Dr. SCORESBY, F.R.S.

The Papers read were—

1. Iceland, its Inhabitants and Language, by John Hogg, Esq., F.R.G.S.

2. The production of Gold in the British Isles, by Mr. Calvert.

3. On the Currents of the Atlantic and Pacific Oceans, by A. G. Findlay, F.R.G.S.

4. Manners and Customs of the Jacontes, by Prince Emanuel Galitzin, Corr. F.R.G.S., translated by Dr. Shaw.

5. An Inquiry into the Variations of Climate within the Tropics, especially with reference to the climate of the Gulf of Carpentaria, by Trelawney Saunders, F.R.G.S.

6. Ethnological Remarks upon some of the more remarkable varieties of Mankind, represented by individuals now in London (Zulus, Earthmen, Australians, Aztecs).

7. Ascent of the River Koladyn, in Aracan, by Capt. S. R. Tickell, communicated by the Royal Geographical Society.

8. On the popular Theory of an Arctic Basin, by the Rev. Dr. Scoresby, D.D., F.R.S.

9. Contributions to the Ancient Geography of the Arctic Regions, by Prof. Ch. Rafn of Copenhagen, Corr. F.R.G.S., communicated by Dr. Shaw.

10. Influence of the Invasions of the Scandinavians on certain localities in Britain, by Sir Ch. Anderson, Bart.

11. The Dialects North and South of the Humber compared, by Ch. Beckett, Esq., of Hull, M.R.C.S.

12. Traces of a bi-lingual Town (Danish and Anglo-Saxon) in England, by Dr. R. G. Latham.

13. Extract from Notes on a Journey to the Balkan, or Hæmus, by Lieut.-Gen. Jochmus, communicated through Sir Rod. I. Murchison.

14. Progress of Discovery in the Western Portion of New Guinea, from 1828 to 1852, by G. W. Earl, Esq.

15. The supposed Tombs of Ezekiel, and the Country to the West of the Euphrates, by Th. Kerr Lynch, Esq., communicated by Col. Rawlinson, through the Royal Geographical Society.

16. Proposed Expedition in Northern Australia, under Mr. Ernest Haug, as advocated by the Royal Geographical Society.

17. Notes on the probable condition of the interior of Australia, collected by A. Petermann, F.R.G.S.



18. On certain Places in the Pacific in connection with Great-Circle-Sailing, by the Rev. C. G. Nicolay, F.R.G.S.

19. Second Journey to St. Lucia Bay and the adjacent Country in S.E. Africa, by Mr. R. W. Plante, communicated by Dr. Shaw.

20. On certain localities, not in Sweden, occupied by Swedish populations; and on certain Ethnological questions connected with the Coasts of Livonia, Esthonia, Courland, and Gothland, by Dr. R. G. Latham.

21. The Brigantes, Romans, and Saxons on the Yorkshire Wolds, by the Rev. T. Rankin.

22. A proposed New Route between the Atlantic and Pacific, *viâ* the River Maulé in Chili, by Capt. Walter Hall, communicated by Dr. Shaw.

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Among the recommendations adopted by the General Committee of the Hull Meeting, may be mentioned as connected with geography, "That the Committee for providing a large Outline Map of the World, consisting of Sir Rod. I. Murchison, the Bishop of St. Asaph, and the Secretaries of the Royal Geographical and Ethnological Societies, be reappointed, with the addition of Sir James Ross and Dr. Latham, with 15*l.* at their disposal for the purpose.

"That the three following papers be printed in full in the Transactions of the British Association for 1853:—Some of the Physical Features of the Humber; and The Rise, Progress, and Present Position of Steam Navigation in Hull, by James Oldham, Esq.;—also Observations on the Character and Measurements of Degradation of the Yorkshire Coast, by Dr. J. P. Bell.

"That the Members of the British Association have learned with satisfaction the intention of Government to direct, in future, daily meteorological observations to be made at sea, in correspondence with the plan adopted by the Government of the United States, on the suggestion of Lieut. Maury, and to take such further steps, in reference to the mercantile marine of Great Britain, as may be best suited to stimulate and encourage the masters of British merchant ships to take interest in investigations by which the times of passage between different parts have already, in many instances, been materially shortened, and which may lead to other results of the greatest importance to practical navigation.

"The British Association entirely concurs in the opinion that to make the observations, thus contemplated, serviceable to the purposes for which they are designed, it will be necessary to make provision for their co-ordination, and for deriving from them the instruction which they may be capable of yielding, for the advantage of Navigation, and for the benefit of Science."

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*The next meeting of the British Association will be held at Liverpool.*