

PROCEEDINGS  
OF THE  
SOCIETY OF ANTIQUARIES OF SCOTLAND.  
HUNDRED AND TWENTY-NINTH SESSION, 1908-1909.

ANNIVERSARY MEETING, 30th November 1908.

THE RIGHT HON. SIR HERBERT MAXWELL, BART.,  
LL.D., D.C.L., President, in the Chair.

Dr David Christison and Mr James J. Macle hose were appointed Scrutineers of the Ballot for the election of Office-Bearers.

The Ballot having been concluded, the Scrutineers found and declared the List of the Council for the ensuing year to be as follows :—

*President.*

THE RIGHT HON. SIR HERBERT E. MAXWELL, Bart., LL.D., D.C.L.

*Vice-Presidents.*

Right Rev. JOHN DOWDEN, D.D., LL.D.  
Sir ARTHUR MITCHELL, K.C.B., M.D., LL.D.  
THOMAS ROSS.

*Councillors.*

Sir JOHN STIRLING MAXWELL, Bart., LL.D.,	} <i>Representing the Board of Trustees.</i>	WILLIAM GARSON, W.S.
JOHN R. FINDLAY,		The Hon. LORD GUTHRIE.
Sir KENNETH J. MACKENZIE, Bart., <i>Representing the Treasury.</i>		The Hon. HEW H. DALRYMPLE.
CHARLES EDWARD WHITELAW.		Sir JAMES BALFOUR PAUL, LL.D.
LUDOVIC M'LELLAN MANN.		GEORGE NEILSON, LL.D.
		WILLIAM G. SCOTT-MONCRIEFF.
		JAMES EDWARD CREE.

*Secretaries.*

ALEXANDER O. CURLE, W.S. | ROBERT SCOTT-MONCRIEFF, W.S.

*For Foreign Correspondence.*

The Rev. Professor A. H. SAYCE, M.A., | J. MAITLAND THOMSON, LL.D.  
LL.D., D.D.

*Treasurer.*

JOHN NOTMAN, F.F.A., 28 St Andrew Square.

*Curators of the Museum.*

Rev. JOHN DUNS, D.D. | JAMES CURLE, W.S.

*Curator of Coins.*

GEORGE MACDONALD, M.A., LL.D.

*Librarian.*

W. K. DICKSON.

A Ballot having been taken, the following were duly elected Fellows:—

HUGH ALLINGHAM, M.R.I.A., Provincial Bank House, Ballyshannon, Co. Donegal, Ireland.

WALTER LEONARD BELL, M.D., 123 London Road, Lowestoft, Suffolk.

PETER ROSS BRYCE, Searcher of Records, 1 Lady Road.

The Rev. THOMAS CRAWFORD, B.D., of Orchill, Braco, Perthshire.

Col. MONTAGUE DOUGLAS-CAMPBELL, D.S.O., 34 Abercromby Place.  
 The Rev. ROBERT M'ELNEY, M.A., The Manse, Downpatrick, Ireland.  
 ALEXANDER GARDNER, Publisher, Dunrod, Paisley.  
 ARCHIBALD HEWAT, F.F.A., F.R.S.E., Actuary, 13 Eton Terrace.  
 The Rev. WILLIAM M'CONACHIE, The Manse, Lauder.  
 The Rev. DONALD MACRAE, The Manse, Edderton, Ross-shire.  
 JOHN MASTIN, F.L.S., F.C.S., Woodleigh House, Totley Brook, Sheffield.  
 WILLIAM BLACK RANKIN, of Cleddans, 9 Lansdowne Crescent.  
 COLIN SINCLAIR, M.A., Architect, 10 Gower Street, Ibrox, Glasgow.  
 The Rev. LAUCHLAN MACLEAN WATT, M.A., B.D., The Manse, Alloa.  
 ANDREW ROBERTSON WILSON, M.A., M.D., Trafford House, Liscard,  
 Cheshire.

The Secretary read the following list of Members deceased since the last Annual Meeting:—

*Honorary Fellow.*

	Elected
Sir JOHN EVANS, K.C.B., D.C.L., LL.D., etc., Britwell, Herts,	1874

*Fellows.*

Professor THOMAS ANNANDALE, M.D., D.C.L., 34 Charlotte Square,	1882
Rev. GEORGE CHALMERS BAXTER, U.F. Manse, Cargill, Perthshire,	1891
R. FITZROY BELL, Advocate, Temple Hall, Coldingham,	1903
The Right Hon. LORD BLYTHSWOOD, of Blythswood, Renfrewshire,	1901
Sir DAVID BRAND, Sheriff of Ayrshire, 42 Coates Gardens,	1883
ALEXANDER JAMES STEEL BROOK, 21 Chalmers Street,	1887
The Rev. Canon WILLIAM BRUCE, B.D., Dunimarle, Culross,	1880
RICHARD CAMERON, 1 St David Street,	1890
The Right Hon. JAMES ALEXANDER CAMPBELL, LL.D., of Stracathro,	1874
The Right Hon. Sir HENRY CAMPBELL-BANNERMAN, G.C.B., LL.D., Belmont Castle, Meigle,	1877
JAMES DALRYMPLE GRAY DALRYMPLE, of Woodhead and Meiklewood,	1880
ROBERT DONALDSON, M.A., Headmaster, Lochend Public School,	1891
ROBERT CHELLAS GRAHAM, of Skipness, Argyllshire,	1892
Rev. ROGER ROWSON LINGARD GUTHRIE, Taybank House, Dundee,	1874
The Right Hon. LORD HERRIES, Everingham Park, York,	1901
Rev. JAMES CALDER MACPHAIL, D.D., Harlaw House, Prestonpans,	1882
Sir JAMES DAVID MARWICK, LL.D., Woodside Terrace, Glasgow,	1861
JOHN LAMB MURRAY, J.P., of Heavyside, Biggar,	1899

ROBERT REID, J.P., Banker, Friockheim, Forfarshire, . . . . .	1906
Rev. ROBERT SCOTT, M.A., D.D., Minister of Craig, Montrose, . . . . .	1900
GEORGE SETON, M.A., Advocate, Ayton House, Abernethy, . . . . .	1848
JAMES IRVINE SMITH, 20 Great King Street, . . . . .	1874
JAMES GIBSON HAMILTON STARKE, of Troqueer Holm, Dumfries, . . . . .	1875
JOHN J. STEVENSON, Architect, 4 Porchester Gardens, London, . . . . .	1867
Rev. WILLIAM STEVENSON, M.A., Minister of Auchtertool, Kirkcaldy, . . . . .	1887
Maj.-Gen. JOHN HERON MAXWELL SHAW STEWART, R.E., 7 Inverness Terrace, London, . . . . .	1871

The meeting resolved to record their sense of the loss the Society had sustained in the deaths of these Members.

Mr W. K. Dickson, Secretary, read the following Report by the Secretaries on the progress and work of the Society during the past year :—

*Membership.*—The total number of Fellows on the Roll of the Society at 30th November 1907 was 704. During the past year 44 new Fellows have joined, and two who had allowed their membership to lapse have been reinstated. Twenty-five have died, 12 have resigned, and 5 have allowed their membership to lapse. We thus begin the new Session with a total membership of 708, being a net gain of 4 Fellows on the year (not including those who have just been elected). We may perhaps be allowed once more to invite the attention of Fellows to the great importance of keeping up the membership of the Society ; and we would remind them that the recruiting of even a single new member is a substantial and lasting service to Scottish archæology.

*Proceedings.*—The forty-second volume of the *Proceedings*, an advance copy of which lies upon the table, contains 23 papers, two more than the preceding volume. Of these 12 deal entirely or mainly with pre-historic and protohistoric subjects. In this class perhaps the most important contribution is Mr Coles's report on his survey of Stone Circles in the north-eastern section of Perthshire, made under the Gunning Fellowship. The remaining 11 papers are notable for the somewhat unusual variety of matter with which they deal. Two—Lord Guthrie's

paper on "Mary Stuart and Roscoff," and Mr Moir Bryce's on "A French Mission to Scotland in 1543"—are historical monographs, dealing almost entirely with documentary material. Bishop Dowden's study of the new photographic facsimiles of Boyamund's Valuation has thrown fresh light on the mediæval Church in Scotland and on Scottish place-names. The Rev. Angus Mackay contributes a paper on Sutherland and Caithness in ancient geography and maps—a line of research which is of much practical value, and in which much remains to be done throughout the country. The Rev. Dr Hewison contributes a paper on the Scottish Covenants, which includes a list of all the copies of the Covenants known to be still in existence, with notes as to their history and condition, their bibliography, and their present resting-places—a paper which perhaps calls for special recognition as placing on record in our *Proceedings* what must be an indispensable working tool of all future historians of the Covenanting period. From an account-book of the seventeenth century Mr A. O. Curle has evoked the ghosts of ancient revellers and the savour of long-forgotten dinners. Mr Alan Reid continues his researches in the Lothian kirkyards. Mr W. L. Bell has described an armorial stone in Orkney of much heraldic interest, and Mr Dickson has given an account of a mediæval manuscript whose value is chiefly artistic. Dr George Mackay has brought us into touch with the early days of the Highland regiments, and in his paper on Glenure's snuff-mull has recalled one of the most picturesque and mysterious of Highland tragedies.

*The Rhind Lectureship.*—The Rhind Lecturer for the past year was Mr James Curle, who took as his subject the Roman station at Newstead, the excavation of which has been conducted under his personal direction. The lectureship for the coming session has been undertaken by Dr David Murray, who is to deal with the occupation and use of the land in Scotland in early times. For the following year the lecturer is Professor Baldwin Brown, whose subject is to be "The Art of the Period of the Teutonic Migrations."

*Excavations.*—During the year the work at Newstead has been steadily continued. Numerous further finds have been made, the total additions to the Museum from Newstead now numbering about 2000. In the course of his Rhind Lectures Mr. Curle has already placed before the Society not only details of the actual work on the ground and its immediate results, but an idea of the bearing of the Newstead discoveries on the whole subject of Roman archæology. The question of the most suitable form in which to embody the permanent record of these discoveries is still under the consideration of the Council.

*Addition to the Museum Staff.*—We have pleasure in reporting that, by arrangement with the Board of Trustees, Mr George Archibald, who has hitherto been in the employment of the Society, has been placed on the permanent staff of the Museum. He will undertake the duties of Library attendant. Arrangements are under consideration which, it is hoped, will increase the usefulness and accessibility of the Library.

Mr John Notman, Treasurer, submitted the Annual Report of the Society's Funds, which was ordered to be printed and circulated among the Fellows.

The Secretary read the following Report with reference to the National Museum of Antiquities under the Society's charge for the year 1908:—

During the year the Museum has been open to the public as formerly till 5th November, when the fees of admission previously charged on two days a week were abolished, and there is now no charge for admission on any day.

The number of objects of antiquity added to the Museum during the year has been 1450 by donation, and 73 by purchase. The number of volumes added to the Library has been 165 by donation and 52 by purchase, and the binding of 264 volumes of continuations has been proceeded with.

Among the donations to the Museum may be mentioned a large and important collection from the Brochs of Caithness presented by the representatives of the late Sir Francis Tress Barry, Bart., Hon. Mem. S.A. Scot., amounting to upwards of 1400 objects, chiefly obtained in the course of his extensive excavations of the Brochs on his estate of Keiss and in the surrounding neighbourhood.

Among the purchases may be mentioned a hoard of bronze articles (22 pieces) of Roman and late Celtic character, including four pateræ, one of which has an enamelled handle, three enamelled fibulæ, one being of the rare double-headed hippocamp type, four bowls of beaten bronze, two spiral rings, and a beaded torc or neck-ring of bronze, found in Lambertton Moor, Berwickshire, some sixty years ago.

The very remarkable collection obtained from the Society's excavation of the Roman fort at Newstead, Melrose, which now numbers about 2000 objects, has been provisionally arranged in the two new cases provided by H.M. Board of Works, and in a third case which has been made available by re-arrangement. As the excavations are still going on, further additions to this collection may be anticipated.

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MONDAY, 14th December 1908.

MR THOMAS ROSS, Vice-President, in the Chair.

A Ballot having been taken, the following were duly elected Fellows:—

WILLIAM BROOK, 21 Chalmers Street.

The Rev. JOHN FERGUSON, D.D., The Manse, Linlithgow.

The following purchases, acquired by the Purchase Committee during the recess, 11th May to 30th November, were exhibited:—

A hoard of Roman and Late Celtic objects of bronze, from Lamberton Moor, Berwickshire, consisting of:—Four Pateræ, imperfect, one of which has an enamelled handle; Three Enamelled Fibulæ, one being shaped like a double-headed hippocamp; Four Bowls of Beaten Bronze, one having a small perforation in the centre of the rounded bottom; Two Spiral Rings, and a Beaded Torc or Neck Ring, all as described in the *Proceedings*, vol. xxxix. p. 367.

Three Pewter Measures, with incised decoration,  $3\frac{5}{8}$  to  $3\frac{1}{8}$  inches in height, from Kirkcaldy.

Sheaf-gauge of Iron with wooden handle, total length 3 feet  $6\frac{1}{2}$  inches, the point end sharp, and the blade pierced by two holes in one of which is a screw  $4\frac{1}{2}$  inches long, from Athol.

Stone Ball of Dark Grey Stone, 3 inches diameter, the surface covered with numerous projecting knobs, found early in last century on Tom-na-hurich, near Inverness.

Finely made Arrow-head of Flint,  $1\frac{5}{8}$  inches in length, with barbs and stem, and serrated edges, from Easter Moor, Dolphinton.

Pin of Bronze,  $6\frac{3}{8}$  inches in length, with a perforation in the head through which a ring  $\frac{3}{4}$ -inch in diameter passes, from Stennis, Orkney.

Pin of Bronze,  $4\frac{1}{2}$  inches in length, with open, circular projecting



head, the lower, flat part of the head having traces of enamel and the upper part having three projecting discs, from Birsay, Orkney.

Pin of Bronze,  $3\frac{1}{8}$  inches in length, the upper part moulded into six rounded bead-like divisions, from Birsay, Orkney.

Pin of Bronze,  $2\frac{1}{2}$  inches in length, with crook-shaped head, from Birsay, Orkney.

Ring of Bronze,  $1\frac{3}{4}$  inches diameter, with the ends twisted together, from Birsay, Orkney.

Flat Axe of Bronze,  $4\frac{1}{4}$  inches in length by  $1\frac{3}{4}$  inches in breadth at the cutting edge, locality unknown, but probably from Orkney.

Flanged Axe of Bronze,  $5\frac{1}{4}$  inches in length by  $2\frac{1}{2}$  inches across the cutting face, with a well-defined stop ridge at the base of the wings, locality unknown, but probably from Orkney.

Socketed Axe of Bronze,  $4\frac{1}{4}$  inches in length by  $1\frac{5}{8}$  inches across the cutting face, with a loop at the side, and the inside of the socket marked with a line, having three other lines impinging upon it obliquely on either side, found at Lamancha, Peeblesshire.

Needle of Bone,  $2\frac{3}{8}$  inches in length, from Birsay, Orkney.

Long-handed Weaving Comb of Bone,  $4\frac{5}{8}$  inches in length, the teeth badly damaged, from Stromness, Orkney.

Three Spear-heads of Flint, from  $4\frac{5}{8}$  inches to  $3\frac{3}{4}$  inches in length, localities unknown.

Adze of Dull Green Jade-like Stone,  $4\frac{1}{8}$  inches in length by  $1\frac{1}{2}$  inches across the cutting face, and small axe-like implement of polished basalt  $1\frac{3}{4}$  inches in length by  $1\frac{1}{2}$  inches, localities unknown.

Axe of Dark Grey Mottled Stone, highly polished,  $2\frac{3}{4}$  inches in length by 1 inch across the cutting face, with rounded butt, and straight side-edges, locality unknown.

Axe rudely formed from a Grey Sandstone Pebble,  $2\frac{7}{8}$  inches in length by  $1\frac{1}{2}$  inches across the cutting face, from Firth, Orkney.

Whetstone of Light Grey Quartzite,  $3\frac{7}{8}$  inches in length by  $1\frac{1}{4}$  inches in width, by half an inch in thickness, slightly tapering to both ends, and with a groove carried out at one end, from Birsay, Orkney.

Slender Whetstone of Grey Quartzite,  $2\frac{7}{8}$  inches in length, perforated near the tapering end, from Birsay, Orkney.

Portion of a Half-mould of Steatite, for casting a Bronze flanged Axe, locality unknown, but probably from Orkney.

Lamp of Reddish Sandstone, 7 by  $5\frac{7}{8}$  inches by  $2\frac{1}{2}$  inches thick, with a large hollow for the oil and a smaller picked hollow on the reverse side of it, from Birsay, Orkney.

Lamp of Reddish Sandstone, of the same form, 7 by  $5\frac{1}{4}$  inches and  $2\frac{1}{4}$  inches thick, with a lid of thin slate, from Birsay, Orkney.

Oval Implement of Greenstone,  $2\frac{7}{8}$  inches by  $2\frac{3}{8}$ , perforated by a hole  $\frac{3}{4}$  inch in diameter, one edge of the perforation polished by friction.

Implement of Limestone, convex on one side, flattened on the other, 3 inches in length,  $1\frac{3}{4}$  inches in breadth and  $1\frac{1}{8}$  inches in greatest thickness, with a perforation at each end.

Stone Ball,  $3\frac{1}{8}$  inches in diameter, which has been used as a pounder.

Eleven Horn Spoons, four of which are ornamented with double rows of punctulations, from Sandwick, Orkney.

A Spoon-mould of Ash-wood,  $13\frac{3}{8}$  inches in length by  $2\frac{1}{2}$  inches in greatest width, the two halves joined at the head by strong thongs of hide, and the handle ends fitted with a sliding ring of iron to keep the mould pressed tight, from Orphir, Orkney.

Spindle of Wood, 15 inches in length, having a rudely notched head, and a whorl of sandstone  $1\frac{5}{8}$  inches in diameter.

Crimping Instruments of Beechwood, the pin marked C\*B, from Stromness.

Piping Iron on tripod stand,  $11\frac{1}{2}$  inches high.

The following Books for the Library:—

Transactions of the Aberdeen Ecclesiological Society, 4to; The Rathen Manual, 4to; Four Scottish Coronations, 4to; Porteous's Seals of the Town Councils of Scotland, 8vo, 1906; Currie's Place-names of Arran, 8vo, 1908; Watson's Place-names of Ross and Cromarty, 8vo, 1904; Day's Enamelling, 8vo, 1907; Holwerda's Niederlandische

Archæologie, 4to, 1907; Le Clerc's Manuel d'Archéologie Chrétienne, 2 vols. 8vo, 1907; Gray's Excavation of Wick Barrow, Somerset, 8vo, 1908; Sanford Terry's Index to Papers relating to Scotland in the Reports of the Historical Manuscripts Commission, 8vo, 1908; Records of Glasgow, 1619-1719 (Burgh Records Society), 4to, 1908; Charters of Trinity College Church, Edinburgh (Burgh Records Society), 4to, 1908; Kisa's Das Glas im Alterthumer, 3 vols. 8vo, 1908; Craigie's Skotland's Rimur, Icelandic Ballads on the Gowrie Conspiracy, 8vo, 1908; The Old Highlands, Papers read before the Gaelic Society of Glasgow, 8vo, 1908; Transactions of the Gaelic Society of Inverness, 1896-1903, 5 vols. 8vo.

The following donations to the Museum and Library were exhibited, and thanks voted to the Donors:—

- (1) By the Representatives of the late Sir FRANCIS TRESS BARRY, Bart., of St Leonard's Hill, Windsor, and Keiss Castle, Caithness, F.S.A. London, and Honorary Fellow of the Society of Antiquaries of Scotland.

Large collection of upwards of 1400 objects, obtained chiefly from the excavation of Brochs on his estate of Keiss, and in the neighbouring districts of Caithness.

*From the Keiss Broch.*—Weaving comb of deer-horn  $5\frac{5}{8}$  inches in length; weaving comb of deer-horn 5 inches in length, with indented handle; six pointed tools of bone; 6 bone pins; spoon-shaped implement of bone,  $4\frac{3}{4}$  inches in length; implement of bone with rounded ends and perforated in the centre; two sheep-shank bones, each pierced in the centre by a small round hole; cylindrical piece of bone,  $2\frac{1}{4}$  inches in length by  $\frac{3}{4}$  inch in diameter, cut straight at the ends; shank bone,  $2\frac{1}{4}$  inches in length, with countersunk perforation near the thicker end; flat piece of bone (broken),  $4\frac{3}{8}$  inches in length, pierced by four small circular holes; half an armlet of bone  $2\frac{1}{2}$  inches in diameter; portion of rib-bone,  $6\frac{1}{2}$  inches in length, polished by use; triangular piece of bone,  $4\frac{1}{4}$  by  $3\frac{1}{4}$  inches, polished by

use, with a central hole, and scratchings on one side; hammer-head of cetacean bone, slightly curved,  $9\frac{3}{4}$  inches in length,  $2\frac{3}{8}$  inches in width, and  $1\frac{7}{8}$  inches in thickness, having an oblong haft-hole  $1\frac{1}{2}$  inches in length by  $\frac{3}{4}$  inch in width; three borers made of pointed bones,  $6\frac{1}{8}$ ,  $5\frac{1}{4}$ , and  $4\frac{1}{2}$  inches in length respectively; portion of a flat bone spatha smoothed by use,  $6\frac{1}{4}$  inches in length by  $1\frac{3}{8}$  inches in width; three cut segments of tines of deer-horn; squarish piece of bone, 2 inches by  $1\frac{5}{8}$  inches, perforated; portion of armlet of jet or albertite,  $2\frac{1}{4}$  inches in length; ring of jet,  $1\frac{1}{8}$  inches in diameter, polished; portion of an armlet of blue glass or vitreous paste; cylindrical bead of black glass; three fragments of bowls of red "Samian" ware; three fragments of black ware with white "slip" decoration; small crucible of clay; oval pebble of quartzite obliquely grooved on each of its flat faces; piece of slate, about  $2\frac{1}{2}$  inches square, having on one face four incised lines forming an approximately rectangular figure, and enclosing two circles drawn by compasses; small polished disc of schist,  $1\frac{3}{4}$  inches in diameter; rudely-made whorl of slaty stone, 2 inches in diameter; whorl of sandstone; piece of steatite, perforated; two small black pebbles used as polishers; two polishers, one of quartzite and the other of mottled stone; cup of greenstone,  $4\frac{1}{2}$  inches in diameter by  $1\frac{1}{4}$  inches deep; lamp of sandstone,  $4\frac{1}{2}$  inches by  $3\frac{1}{4}$  inches, the hollow roughly picked out; lamp of sandstone,  $5\frac{3}{8}$  inches by  $4\frac{1}{2}$  inches and  $2\frac{3}{8}$  inches in depth; lamp of claystone, broken; part of an iron implement like those with a slot in the upper part from Dunadd (*Proceedings*, vol. xxxix. p. 319, fig. 53).

Eleven small rounded quartzite pebbles having spots and lines painted on their surfaces apparently with a brownish pigment. Of these three were found in the Wester Broch, one in the Hillhead Broch, four in the Road Broch, and three in the Keiss Broch.

*From the Roal Broch, Keiss.*—Pointed implements of bone,  $4\frac{1}{2}$  inches and  $3\frac{1}{2}$  inches in length; weaving comb of bone,  $4\frac{1}{2}$  inches in length, with five wide-set teeth; sheep-shank bone pierced in the middle; canine tooth of brown bear (*Ursus arctos*); double-pointed needle of

polished bone,  $1\frac{1}{2}$  inches in length, with a circular hole in the centre; two broken portions of other needles, with the usual eye at one end; eleven pointed tools or borers of bone and deer-horn; four implements of cut and pierced tines of deer-horn; seven pieces of cut or sawn tines; eleven discs of slaty stone, varying from 7 to  $2\frac{1}{4}$  inches in diameter; cup of greenstone, 4 inches in diameter and  $1\frac{3}{4}$  inches thick; portion of a stone cup, with side handle; lamp of grey sandstone, 4 inches by  $3\frac{1}{2}$  and  $1\frac{1}{2}$  inches in depth; three hammer-stones or pounders abraded at the ends by use; circular disc of schist, polished,  $3\frac{1}{4}$  inches in diameter; eight polishers and whetstones of quartzite and sandstone, from 4 inches to 2 inches in length; two whorls for the spindle, of sandstone, one with radiating lines on one side, and half of a whorl of steatite; two stone discs like unpierced whorls,  $1\frac{3}{4}$  inches in diameter; portions of two oval pebbles of quartzite, with oblique grooves on both faces; small fragment of "Samian" ware and two fragments of brownish pottery; small bronze ring,  $\frac{3}{4}$  inch in diameter. [See also a small disc of sandstone  $1\frac{1}{2}$  inches in diameter with illegible inscription-like markings on both sides, presented to the Museum in 1895 by Sir F. T. Barry, and figured in the *Proceedings*, vol. xxxv. p. 138.]

*From the Broch at the White Gate.*—Fourteen pointed and other implements of bone; portion of a bone needle; whorl of sandstone,  $1\frac{3}{8}$  inches in diameter; roundish pebble, 2 inches in diameter with an indented hollow on one face; four roughly chipped discs of slaty stone, from  $4\frac{1}{2}$  inches to  $2\frac{1}{2}$  inches in diameter: two beads, one of amber, the other of stone. [See also a large jar of clay, which when reconstructed measured 17 inches in height by  $17\frac{1}{2}$  inches in width at the mouth, tapering to 7 inches in diameter at the base, described in the *Proceedings*, vol. xxxv. p. 130, fig. 13, and presented to the Museum in 1893 by Sir F. T. Barry.]

*From the Wester Broch.*—Needle of bone, 4 inches in length; needle of bone,  $3\frac{3}{8}$  inches in length; two bone pins or borers,  $4\frac{3}{4}$  inches and  $5\frac{5}{8}$  inches in length; bone pin,  $4\frac{1}{8}$  inches in length, with globular head;

two bone pins, imperfect; part of clavicle,  $9\frac{1}{4}$  inches by  $1\frac{5}{8}$  inches, polished by use and flattened to spatula shape at one end; weaving comb,  $5\frac{1}{4}$  inches long, with five teeth; borer of bone, with circular hole in centre of the broad part of the handle; three rings cut from tines of deer-horn; whorl of bone for the spindle, of truncated conical form; whorl of globular form; piece of shank-bone,  $3\frac{5}{8}$  inches by 1 inch, cut square-sided, and the edges deeply notched in four places; curved piece of bone, 4 inches by  $\frac{7}{8}$  inch, with oval hole; narrow flat piece of bone,  $4\frac{1}{4}$  inches by  $\frac{5}{8}$  inch, with one edge cut into a wavy line; pointed tool, 5 inches long; four roughly-chipped discs of slaty stone,  $4\frac{1}{2}$  to  $3\frac{3}{4}$  inches diameter; rounded oval pebble of sandstone,  $3\frac{1}{2}$  inches by  $2\frac{5}{8}$  inches, with one side flattened; oblong stone,  $2\frac{5}{8}$  inches by  $\frac{7}{8}$  inch, with six straight grooves on one edge; round flattish pebble of sandstone,  $3\frac{1}{4}$  inches by  $2\frac{7}{8}$  inches, with a picked hollow on one of its flat faces; pebble of water-worn reddish quartzite,  $1\frac{3}{8}$  inches in diameter, the ends polished by use; cylindrical whetstone of slate,  $2\frac{3}{4}$  inches in length; oblong whetstone of grey quartzitic stone, broken,  $2\frac{1}{4}$  inches by  $\frac{3}{4}$  inch; whorl of grey sandstone,  $1\frac{5}{8}$  inches in diameter, ornamented on one face by fifteen small circular sinkings; whorl of yellowish sandstone,  $1\frac{1}{4}$  inches in diameter, semi-globular in shape; and half of another whorl.

*From Nybster Broch.*—Seven borers of bone, from  $6\frac{3}{4}$  inches to  $3\frac{7}{8}$  inches in length; weaving comb of bone,  $3\frac{7}{8}$  inches in length by  $1\frac{3}{4}$  inches in breadth, the handle ornamented with horizontal and diagonal incised lines; weaving comb,  $3\frac{3}{4}$  inches in length by  $1\frac{5}{8}$  inches in breadth, the handle ornamented with a large incised saltire; weaving comb,  $4\frac{3}{8}$  inches by  $1\frac{5}{8}$  inches, the butt end of the handle deeply notched; flat piece of bone,  $4\frac{1}{2}$  inches in length by an inch in width, rubbed to a sharp edge on one side; piece of bone,  $3\frac{7}{8}$  inches by  $1\frac{1}{2}$  inches, pierced near the ends and in the middle by three small circular holes, and with a circular projection an inch in diameter on one face; flat thin piece of bone,  $2\frac{1}{8}$  inches by  $\frac{5}{8}$  inch, with a circular perforation at each end; small bead of bone,  $\frac{1}{2}$  inch in diameter; skull of ox and antlers of red-deer; half of a small cup or lamp of stone; whorl of sandstone,  $1\frac{3}{4}$  inches in diameter; circular disc

of sandstone, with roughly-made circular depression in the middle of one face; thin and well-shaped disc of slaty stone,  $3\frac{3}{4}$  inches in diameter, smoothed on both faces; disc of sandstone,  $3\frac{7}{8}$  inches in diameter, with an incomplete perforation  $\frac{3}{4}$  inch wide in centre; whetstone,  $2\frac{1}{8}$  inches in length by  $\frac{1}{2}$  inch in width, broken; oval vessel of sandstone,  $11\frac{1}{2}$  inches in length by  $7\frac{1}{2}$  inches in width and  $3\frac{1}{4}$  inches in depth; roundish vessel of sandstone,  $8\frac{1}{2}$  inches in length by  $7\frac{1}{4}$  inches in width and  $3\frac{5}{8}$  inches in depth; a fragment of decorated "Samian" ware; portion of a clay mould, with a tapering, square-sided hollow; two small cups or crucibles of reddish clay; a sample of grains of oats, partially calcined.

*From Everley Broch.*—Bone pin,  $3\frac{1}{2}$  inches in length, the point broken off; bone pin,  $3\frac{5}{8}$  inches in length; needle of bone,  $2\frac{5}{8}$  inches in length; needle or bodkin of bone,  $3\frac{1}{4}$  inches in length, the eye in the widening of the head and some distance from the butt end; pointed implement of bone, broken; piece of slightly curved bone, with some notches on one side; two rings cut from a tine of deer-horn; eight tusks of boar; oval vessel of stone,  $6\frac{3}{8}$  by 4 by 2 inches; oval vessel of stone, broken,  $6\frac{1}{4}$  by  $4\frac{5}{8}$  by  $2\frac{1}{4}$  inches; stone cup,  $4\frac{1}{2}$  inches in diameter and  $1\frac{3}{8}$  inches in depth, with an incised line round the circumference under the rim, and remnant of the handle on one side; three fragments of oval stone vessels; pounder or hammer-stone of grey quartzite,  $4\frac{7}{8}$  inches in length, abraded by use at both ends; polisher of grey quartzite, cylindrical,  $2\frac{1}{2}$  inches in length; portion of whetstone of red sandstone, 2 by  $1\frac{3}{8}$  by  $\frac{7}{8}$  inches; broken whetstone of grey sandstone, 2 inches in length; disc of sandstone,  $1\frac{3}{4}$  inches in diameter; five whorls, unornamented; four thin and roughly-chipped discs of slaty stone, from 4 to 2 inches in diameter; six chips of flint; six fragments of pottery, of which two are of "Samian" ware; fragment of fluted glass of yellowish colour; half of a rough disc of jet or albertite,  $3\frac{3}{4}$  inches in diameter; two small bronze fragments.

*From Ness Broch, Freswick.*—Bone needle,  $3\frac{1}{8}$  inches in length, eye broken; curved pin of bone,  $3\frac{3}{4}$  inches in length, imperfect; pin of bone,  $3\frac{1}{8}$  inches in length, with grooved head; curved pin of bone,  $3\frac{1}{8}$  inches in length; two polished implements of bone; cylindrical bone handle,  $1\frac{1}{8}$

inches in length, of an implement of iron; conical object of bone like a chess-pawn,  $1\frac{1}{8}$  inches high, with a hole in the centre of the base as if for a peg; two small circular pebbles, polished by use; small crucible of clay; bronze pin,  $3\frac{1}{8}$  inches long with projecting ring head, imperfect; two bronze rings,  $\frac{5}{8}$  inch in diameter; two small bronze rings, linked together; bar of bronze,  $8\frac{3}{4}$  inches in length by  $\frac{3}{8}$  inch in width; piece of thin bronze,  $2\frac{3}{4}$  inches in length.

*From Freswick Sands Broch.*—Two humeri of the Great Auk (now extinct); narrow piece of bone, notched on both sides at each end; pin of bone,  $1\frac{3}{4}$  inches in length, with globular head; pin of bone,  $1\frac{7}{8}$  inches in length; needle of bone,  $3\frac{1}{4}$  inches in length, the eye imperfect; borer of bone, 4 inches in length; half of a whorl of bone; double-edged small-tooth comb of bone,  $2\frac{3}{4}$  inches in length by  $1\frac{5}{8}$  inches in width, composed of sections held together by an ornamented slip of bone passing along the centre of the comb on each side and clamped together by rivets of bronze; double-edged comb,  $3\frac{1}{4}$  inches in length by  $1\frac{1}{2}$  inches in width, ornamented with incised saltires; four portions of similar combs; two borers or pointed implements of bone,  $6\frac{1}{2}$  and  $2\frac{3}{8}$  inches in length; whorl of grey sandstone,  $1\frac{5}{8}$  inches in diameter, decorated by eight small circular sinkings round the periphery, and also on both faces by an incised circle with four arcs impinging on its inner circumference, each enclosing a central dot; whorl of rough grey sandstone,  $1\frac{3}{8}$  inches in diameter, having seven small circular sinkings on one face and six on the other; sinker of sandstone,  $3\frac{1}{8}$  inches in length, with shallow groove round the middle; bent piece of thin, flat bronze with three rivet holes.

*From Skirza Broch.*—Oblong plaque of bone,  $1\frac{1}{2}$  inches in length by 1 inch in width, pierced by four holes; needle of bone, 6 inches in length; four borers or pointed implements of bone, from  $4\frac{1}{4}$  to 3 inches in length; spoon-shaped article of bone,  $3\frac{3}{4}$  inches in length, broken, and with three grooves on one side; handle-part of a weaving comb of bone, 3 inches in length, notched at the butt end; palmate portion of an antler of the Elk (*Alces Malchis*); whorl of sandstone,  $1\frac{1}{4}$  inches in diameter; lamp of sandstone,  $5\frac{1}{4}$  by  $4\frac{1}{8}$  by 2 inches; whetstone



of grey quartzitic sandstone, 6 by  $1\frac{3}{4}$  by  $1\frac{1}{8}$  inches; fragment of another whetstone; disc of sandstone,  $3\frac{3}{8}$  inches in diameter, smoothed all over; small thick disc of sandstone; lump of slag.

*From Elsay Broch.*—Cylindrical handle of bone, 4 inches in length, for a tool of iron; weaving comb of bone, 5 inches in length, with four teeth and remains of a fifth; hollow bone handle,  $3\frac{1}{8}$  inches in length; blade-like piece of bone,  $4\frac{3}{4}$  inches in length and  $\frac{1}{2}$  inch in width; portion of a large pin of bone,  $4\frac{1}{4}$  inches in length; shank-bone, perforated in the middle; point end of a bone pin; needle of bone,  $1\frac{3}{4}$  inches in length, perforated near the middle and tapering to both ends; two fragments of double-edged small-tooth combs; portion of a vessel of cetacean bone,  $4\frac{3}{4}$  inches in height; two boar-tusks and piece of antler of red-deer; whetstone of grey quartzite,  $5\frac{3}{8}$  by  $1\frac{1}{2}$  by  $\frac{5}{8}$  inches with rounded ends, the narrow edges highly burnished with use; whetstone of dark quartzite,  $4\frac{1}{2}$  inches in length and  $\frac{5}{8}$  inch square in section; disc of slaty stone,  $2\frac{3}{4}$  inches in diameter; two gun flints; portions of two rings of bronze; two pieces of small iron bars; part of a rude vessel of red clay.

*From Barrock Broch (Hill-of-Works).*—Four whorls of sandstone, from  $2\frac{1}{4}$  to  $\frac{7}{8}$  inches in diameter, unornamented; stone cup, circular,  $5\frac{1}{2}$  inches in diameter,  $2\frac{3}{8}$  inches in depth, with side handle, partially perforated, and the outer surface of the side scored with vertical lines. [See also a large, incomplete vessel of clay from this Broch, formerly presented. *Proceedings*, vol. xxxviii. p. 252.]

*From Hillhead Broch, Wick.*—Large double-edged small-tooth comb of bone,  $5\frac{1}{4}$  inches in length by  $2\frac{1}{4}$  inches in width, the side-slips fastened with iron rivets; two flat pieces of bone, one with three holes, the other with two; two pointed tools or borers of bone,  $5\frac{1}{4}$  and  $3\frac{5}{8}$  inches in length; two pins of bone, and the point-end of a third; needle of bone,  $2\frac{5}{8}$  inches in length, curved; needle of bone,  $3\frac{1}{8}$  inches in length, with round eye; three slender pointed pins of bone; hollow piece of bone,  $1\frac{1}{2}$  inches in length by  $\frac{3}{8}$  inches in thickness, cut smooth at the ends, the whole surface highly polished; narrow square-sided piece of bone,  $1\frac{7}{8}$  inches in length; hollow piece of bone,  $1\frac{7}{8}$  inches in length; whorl of

bone,  $1\frac{1}{4}$  inches in diameter, the upper surface convex; portion of palmated antler of red-deer; discoid piece of human skull, with three perforations arranged as a triangle (a similarly pierced skull was found with late Celtic remains in the Camp at Hunsbury, Northamptonshire; *Associated Architectural Societies Report*, 1885, p. 57); half of a whorl of sandstone,  $1\frac{1}{4}$  inches in diameter; flat circular pebble of quartzite,  $1\frac{7}{8}$  inches in diameter and  $\frac{3}{4}$  inch in thickness, with a perforation begun on one face; roughly-made circular disc of grey sandstone,  $2\frac{1}{8}$  inches in diameter, with scored lines on one side; oval disc of sandstone,  $1\frac{1}{2}$  inches by  $1\frac{1}{4}$  inches, chipped on one face; oval disc of grey quartzite,  $3\frac{3}{8}$  by  $2\frac{3}{4}$  inches, with picked markings on one face.

[A large quantity of small fragments of rude pottery, unglazed and hand-made, and mostly indeterminate as to the shapes of the vessels, of which about eighty typical specimens are shown in the case beside the other contents of these brochs, and need not be described in detail.]

*From various other inhabited sites in Caithness.*—Ring of bone,  $\frac{7}{8}$  of an inch in diameter, highly polished, from Hollmey. Part of handle of weaving comb, with three lines of decoration; animal tooth, perforated; bird's bone,  $2\frac{1}{4}$  inches in length, with six oblique notches in the middle; slender bone,  $4\frac{3}{8}$  inches in length, tapered to a broken point, from Ballocharn. Brass pin,  $2\frac{1}{16}$  inches in length; iron pin, with ornamented head; brass button, ornamented with a cross pattern; ink-bottle of clay,  $1\frac{3}{4}$  inches in height by 1 inch by  $\frac{7}{8}$  of an inch in breadth and width; two bronze needles, imperfect; bone needle,  $5\frac{7}{8}$  inches in length, with flattened head; nine fragments of bronze and twenty-nine pins of brass from Freswick sands. Bone needle,  $4\frac{5}{8}$  inches in length, flat; and part of glass bottle stamped "Brabster" from Brabster. Bone needle, 3 inches long, the head imperfect, bone borer, and two whorls of sandstone and steatite, from Kilmster. Bone pin,  $2\frac{3}{8}$  inches in length, with notched head; whorl of grey sandstone; two small pieces of rubbed bone; and two small rings of bronze or brass wire, and two leaf-shaped arrowheads of flint, from Ackergill links. Leaf-shaped spear-head of light grey flint, broken, but

probably  $2\frac{7}{8}$  inches in length; leaf-shaped arrow-head, imperfectly formed; arrow-head, barbed; and twenty-three cores, scrapers and chips of flint, from the site of a cairn in a field near Ackergill Castle. Whorl of grey sandstone from Harland. Whorl of reddish sandstone, from Norland. Whorl of grey sandstone, with concentric circles of small cup-shaped sinkings on both faces and a single row of thirteen round the flat rim, from Hollandmaik. Whorl of sandstone and three small glazed pebbles, from the shore, Keiss. Three barbed arrow-heads of flint, one of which is from Everley croft. Urn of food-vessel type, plain, 5 inches in height by  $5\frac{3}{4}$  inches in diameter at the mouth, tapering to  $4\frac{1}{2}$  inches at the base, from Keiss. Urn, of food-vessel type, of greyish clay,  $4\frac{1}{2}$  inches in height by  $4\frac{5}{8}$  inches in diameter at the mouth and 2 inches at the base, from a cairn at Swordale Hill opened in 1898. Bone pin with square ornamented head; rudely-shaped whorl of steatite; bead of amber,  $\frac{5}{8}$  inch in diameter; cylindrical bead of black glass,  $\frac{3}{8}$  inch in length; ring of jet,  $\frac{3}{4}$  inch in diameter,  $\frac{1}{8}$  inch in thickness, perforated by two holes opposite each other, from a mound on Keiss Moor. Harpoon of iron, 1 foot  $8\frac{1}{2}$  inches in length, the barb  $1\frac{5}{8}$  by  $1\frac{3}{4}$  inches with a slot below it, from the surface rubbish over the mound of Keiss Broch. Pointed implement of bone,  $5\frac{1}{4}$  inches in length; piece of bone,  $2\frac{1}{2}$  inches in length, notched at one end; fragment of an armlet of jet,  $1\frac{1}{8}$  inches in length, circular in section; squarish piece of sandstone,  $4\frac{1}{2}$  inches in length, with incised lines resembling a merchant's mark; candlestick of latten,  $6\frac{3}{8}$  inches in height, the upper part open work, from a mound on an islet in the Loch of Alterwal, reputed to be the site of an ancient castle. Oval concave wooden dish, 12 inches in length by 8 inches in width, the sides  $\frac{3}{4}$  inch in thickness, from the Moss of Tannach. Four oval wooden dishes, from 6 inches to  $3\frac{3}{4}$  inches in length, from a moss near the loch of Hempriggs. Eight pieces of a barrel-shaped, single-piece wooden vessel found, in a moss in Caithness. Two barbed arrow-heads of flint; two bone needles; one fine bone pin; five other pins of bone; one pointed tool or borer of bone; whetstone of fine reddish sandstone,  $3\frac{1}{8}$  inches in length,  $\frac{7}{8}$  inch in breadth and  $\frac{7}{16}$  inch in thickness,

with a perforation at one end; mould of greyish sandstone, having a sunk circle  $1\frac{1}{8}$  inches in diameter, with ten small circular sinkings; Highland brooch of brass,  $2\frac{3}{8}$  inches in diameter, with incised decoration and portions of two others, the localities unspecified, but all from Caithness. Flanged axe of bronze,  $4\frac{1}{2}$  inches in length by  $1\frac{3}{4}$  inches across the cutting face, no stop-ridge, found in a field near Keiss village; leaf-shaped sword of bronze, 19 inches in length by  $1\frac{7}{16}$  inches in greatest width, with four rivet-holes in the handle-plate having three rivets in place, from Mey, Caithness.

*Miscellaneous, English and Foreign.*—Four roughly-chipped implements of flint, from  $5\frac{3}{8}$  to  $3\frac{7}{8}$  inches in length, from the South of England. Knife-like implement of grey flint,  $4\frac{1}{4}$  inches in length, from Witchingham, Norfolk. Spear-head of dark grey flint,  $3\frac{7}{8}$  inches in length, with tang, from Ipswich. Rudely-chipped, leaf-shaped implement of grey flint; and two others, from Ipswich. Roman lamp of clay, piece of notched wood, and portion of fibrous material, from a mine at San Domingo, Spain. Two small arrow-heads of chert, from North America.

(2) By the Hon. HEW HAMILTON DALRYMPLE, F.S.A. Scot.

Key of Iron, found in one of the cellars of the Abbot's House, Arbroath Abbey.

(3) By JAMES EWING, through the Rev. JOHN M'LEAN, Grantully, F.S.A. Scot.

Small Adze-shaped Implement of Black Stone,  $3\frac{3}{4}$  inches in length, flat on the under, and convex on the upper surface, greatest thickness  $\frac{1}{4}$  of an inch, found near Castle Menzies, Perthshire.

(4) Bequeathed by the late THOMAS A. CROAL, F.S.A. Scot.

Tinder-Box of Tinned Iron, with Flint, Steel, and Tinder.

Flint-lock Tinder-Box of Brass, with pistol-shaped butt.

Money-Weighing Machine of Brass, in a wooden case for the pocket, for weighing guineas and half-guineas.

Two old Wine-Rubbers of Dunfermline make.

(5) By ALAN REID, F.S.A. Scot.

Antiquities of Kirriemuir. By ALAN REID. 12mo. 1908.

(6) By ROBERT MUNRO, M.A., M.D., LL.D., F.S.A. Scot., the Author.

On the Transition between the Palæolithic and the Neolithic Civilisations in Europe. Reprint from *The Archæological Journal*. 8vo. 1908.

Les Stations Lacustres d'Europe, aux Ages de la Pierre et du Bronze. Par ROBERT MUNRO, M.A., M.D., LL.D. Edition française, par le Docteur PAUL RODET. Paris. 8vo. 1908.

(7) By the Hon. HEW HAMILTON DALRYMPLE, F.S.A. Scot., the Author.

A Short Account of the Hamiltons of Fala, and of Fala House. Privately printed. 4to. 1907.

(8) By the GOVERNMENT OF INDIA.

Portfolio of Sind Tiles prepared by HENRY COUSENS, M.R.A.S., Superintendent of the Archæological Survey of India, Western Circle. Folio. 1906.

(9) By Sir NORMAN LOCKYER, K.C.B., F.R.S., LL.D., etc., the Author.

On the Observations of Stars made in some British Stone Circles. Preliminary Note, Second Note, Third Note. Reprints from the *Proceedings of the Royal Society*. 4to. 1905, 1906, 1908.

(10) By DUNCAN MACKENZIE, the Author.

Le Tombe dei Giganti nelle loro relazioni coi Nuraghi della Sardegna. 4to. 1908.

There were also exhibited :—

(1) By DAVID CHRISTISON, M.D., LL.D., F.S.A. Scot.

Photographs of the Portrait of Mary, Queen of Scots (known as the Orkney Portrait), and of the Portrait of James Hepburn, fourth Earl of Bothwell, in Dunrobin Castle, taken by special permission of His Grace the Duke of Sutherland.

Photograph of the Portrait of James Hepburn, fourth Earl of Bothwell, at Smeaton Hepburn, East Lothian, taken by permission of Sir Archibald Buchan Hepburn, Bart.

(2) By Dr T. F. S. CAVERHILL, F.S.A. Scot.

Screen of Carved Ivory, 19½ inches in height, consisting of a central panel with a representation of the Entombment, in an ornamental border, supported on a fluted pillar 9½ inches in height, on a tripod base, with a male and female figure in flowing drapery on either side. In a scroll on the bottom of the ornamental border is the inscription :—

FRANCOIS · DE · VAL · ROY · DAVPHIN · DE · FR · ET · MARIE · ROYNE · DE · SCOS.



Fig. 1. Large Oval Knife of Porphyritic Stone.

(3) By Miss HILDA M. PATERSON, Banchory.

Large Oval Knife of Black Porphyritic Stone (fig. 1), from Tresda, Shetland. It is of the usual shape, measuring 12 inches in length by

5 inches in breadth by  $\frac{5}{8}$  of an inch in greatest thickness, and is peculiar in having a groove on each side hollowed nearly parallel with the back, apparently for the purpose of giving a more secure grip when using the implement. The grooves are placed somewhat obliquely and in reverse directions in relation to each other.

By Dr W. L. SELBY, Port William, Wigtownshire, through the  
Right Hon. Sir HERBERT MAXWELL, Bart., LL.D., D.C.L.,  
*President.*

Axe of Felstone,  $12\frac{3}{8}$  inches in length, polished, with planed edges,  
from Auchingallie, Mochrum, Wigtownshire.

Spear-head of Flint,  $3\frac{1}{8}$  inches in length, with barbs and stem, from  
Drumneil, Mochrum, Wigtownshire.

The following communications were read :—