

PROCEEDINGS  
OF THE  
SOCIETY OF ANTIQUARIES OF SCOTLAND.

HUNDRED AND TENTH SESSION, 1889-90.

ANNIVERSARY MEETING, 30th November 1889.

SIR ARTHUR MITCHELL, K.C.B., M.D., LL.D., Vice-  
President, in the Chair.

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

CHARLES BAXTER, W.S., 7 Rothesay Place.  
Rev. PETER LORIMER BURR, Minister of Lundie and Foulis Easter.  
JOHN CAMERON, M.B., C.M., Ph.D., Old Kilpatrick.  
Rev. JOHN C. CARRICK, B.D., Minister of Newbattle.  
ARCHIBALD HENRY CONSTABLE, 11 Thistle Street.  
Rev. JOHN HOWARD CRAWFORD, M.A., Minister of Abercorn.  
JAMES CURLE, Jun., Priorwood, Melrose.  
JAMES MURRAY-GARDEN, M.A., Advocate, Aberdeen.  
Rev. JOHN KERR, Minister of Dirleton.  
WELLWOOD H. MAXWELL of Munches.  
H. B. M'CALL, St Augustine's Road, Edgbaston, Warwickshire.  
Rev. F. H. J. M'CORMICK, Whitehaven, Cumberland.  
JOHN REID, J.P., Ex-Provost of Montrose.  
ROBERT STRATHERN, W.S., 13 Eglinton Crescent.  
WILLIAM URQUHART, Evanton, Ross-shire.

The Office-Bearers for the ensuing year were elected as follows :—

*Patron.*

HER MAJESTY THE QUEEN.

*President.*

THE MOST HON. THE MARQUESS OF LOTHIAN, K.T., LL.D.

*Vice-Presidents.*

Sir ARTHUR MITCHELL, K.C.B., M.D., LL.D.

JOHN RITCHIE FINDLAY.

The Most Hon. the MARQUESS OF BUTE, K.T., LL.D.

*Councillors.*

Sir J. NOEL PATON, LL.D., R.S.A.,	} <i>Representing the Board of Trustees.</i>	Prof. Sir W. TURNER, M.B., LL.D.
FRANCIS ABBOT,		R. W. COCHRAN-PATRICK, LL.D.
THOMAS GRAVES LAW.		R. ROWAND ANDERSON, LL.D.
Sir W. FETTES DOUGLAS, LL.D., P.R.S.A.		T. DAWSON BRODIE, W.S. ÆNEAS J. G. MACKAY, M.A., LL.D.

*Secretaries.*

DAVID CHRISTISON, M.D.

ROBERT MUNRO, M.A., M.D.

JOSEPH ANDERSON, LL.D., *Assistant Secretary.*

WILLIAM FORBES,	} <i>Secretaries for Foreign Correspondence.</i>
THOMAS DICKSON, LL.D., Register House,	

*Treasurer.*

GILBERT GOUDIE, 39 Northumberland Street.

*Curators of the Museum.*

ROBERT CARFRAE.

Professor DUNS, D.D.

*Curator of Coins.*

ADAM B. RICHARDSON.

*Librarian.*

JOHN TAYLOR BROWN.

The following list of the names of Fellows deceased, since the date of the last Annual Meeting, was read by the Secretary :—

	Elected
JOHN REID APPLETON, Western Hill, Durham, . . . . .	1868
PATRICK HENDERSON CHALMERS, Advocate, Aberdeen, . . . . .	1869
CHARLES COWAN of Valleyfield, . . . . .	1849
LACHLAN COWAN, St Vincent Street, Glasgow, . . . . .	1879
WILLIAM DICKSON, 38 York Place, . . . . .	1887
Hon. Lord FRASER, 8 Moray Place, . . . . .	1864
DAVID GRIEVE, Abercorn Terrace, Portobello, . . . . .	1872
THOMAS H. COCKBURN-HOOD, Walton Hall, Kelso, . . . . .	1883
ROBERT KAYE, Fountain Bank, Partick, Glasgow, . . . . .	1865
SAMUEL CHRISTY MILLER of Craigentenny, . . . . .	1851
WILLIAM MILLER, S.S.C., 59 George Square, . . . . .	1883
JOHN J. REID, B.A., Advocate, Queen's Remembrancer, <i>Curator</i> of <i>Museum</i> , . . . . .	1882
ALEXANDER SANDISON, St Fillans, . . . . .	1884
THOMAS SOUTAR, Solicitor, Crieff, . . . . .	1874
THOMAS SPOWART of Broomhead, Dunfermline, . . . . .	1872
JOHN JAMES STITT, Blackford Brae, . . . . .	1883
WILLIAM THOMSON, 23 Great King Street, . . . . .	1873

DAVID GRIEVE was long an active Fellow of the Royal Physical Society and of the Geological Society of Edinburgh, and after he joined this Society in 1872 he contributed several papers to the Society, and gave a number of donations to the Museum.

THOMAS H. COCKBURN-HOOD of Walton Hall, Kelso, though he contributed no papers to the *Proceedings*, took a warm interest in the work of the Society. He was author of two Family Histories, entitled respectively *The Rutherfords of that Ilk*, and *The Cockburns of that Ilk and their Cadets*.

JOHN JAMES REID, Advocate and Queen's Remembrancer for Scotland, became a Fellow of the Society in 1882, and was elected a member of the Council in the same year. In 1884 he was elected one of the Curators of the Museum, and continued in that office till his death. He was author of several important papers which have appeared in the

*Proceedings*, and at the time of his death he had just completed a *History of the Regalia of Scotland*, which he had prepared at the request of the Council, to be communicated to the Society at their first meeting of the present Session.

The meeting resolved to record their sense of the loss the Society has sustained in the deaths of these members; and with reference to the death of Mr John J. Reid, who had been a member of the Council since 1882, and a Curator of the Museum since 1884, the meeting specially desire to record their deep sense of the greatness of the loss the Society has sustained, with an expression of their high esteem for his personal qualities, and their appreciation of his many and valuable services both to the Society and to the Museum.

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The Treasurer read the Audited Abstract of the Society's funds, which was ordered to be printed and circulated among the members.

The Secretary read the Annual Report of the Society to the Board of Trustees, approved by the Council, and ordered to be transmitted to the Lords of H.M. Treasury, as follows:—

ANNUAL REPORT of the Society of Antiquaries of Scotland, to the Honourable the Board of Trustees for Manufactures in Scotland, for the year ending 30th September 1889:—

During the year the Museum has been open as formerly, except during the month of November, when it was closed as usual for cleaning and re-arrangement.

The following table shows the number of visitors for each month during the year, distinguishing between day visitors and visitors on the Saturday evenings, viz.:—

## ANNIVERSARY MEETING.

5

MONTHS.	DAY VISITORS.	SATURDAY EVENINGS.	TOTAL.
October, . . .	4,617	391	5,008
December, . . .	3,354	304	3,658
January, . . .	8,957	295	9,252
February, . . .	2,307	211	2,518
March, . . .	2,865	342	3,207
April, . . .	4,023	301	4,324
May, . . .	3,745	221	3,966
June, . . .	5,399	397	5,796
July, . . .	11,226	426	11,652
August, . . .	12,110	575	12,685
September, . . .	6,044	535	6,579
Total, . . .	64,647	3,998	68,645
Previous Year, .	64,227	5,058	69,285
Increase, . . .	420	...	...
Decrease, . . .	...	1,060	640

During the year there have been presented to the Museum 276 articles of antiquity, and the Donations to the Library amount to 58 volumes of books and pamphlets.

During the year 1470 articles of antiquity have also been added to the Museum, and 35 volumes of books to the Library, by purchase.

D. CHRISTISON, *Secretary*.

MONDAY, 9th December 1889.

SIR ARTHUR MITCHELL, K.C.B., M.D., LL.D., Vice-President  
in the Chair.

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

JAMES ANDERSON, Carronvale, Wardie Road.

ALEXANDER P. PURVES, W.S., of Esk Tower, Lasswade.

Lieut.-Col. A. B. M'HARDY, R.E., 8 Glencairn Crescent.

The following articles, acquired by the Purchase Committee for the Museum and Library during the recess, 13th May to 30th November 1889, were exhibited:—

1. Articles purchased at the sale of the Collection of the late Mr John Sturrock, F.S.A. Scot., Monikie, viz.:—

Four Stone Axes, from Perthshire, viz.—(1) of veined slate, 12 by  $2\frac{3}{4}$  inches, finely polished; (2) of clayslate,  $4\frac{3}{4}$  by  $2\frac{1}{8}$  inches, polished, almost circular in section, but flattening out at the cutting edge—found at Steavins, Dunsinane; (3) of veined slate,  $2\frac{9}{16}$  by  $1\frac{3}{4}$  inches, polished—found at Rait; (4) of veined slate,  $2\frac{7}{16}$  by  $1\frac{1}{16}$  inches, polished, with rounded sides and truncated butt—found at Rait.

Four Stone Axes, from Forfarshire, viz.—(1) of flint,  $5\frac{1}{8}$  by  $2\frac{1}{2}$  inches (fig. 1), polished on each face at the cutting edge, and having the remaining portions of both faces chipped—found at Newtown, Affleck, Monikie; (2) of flint,  $1\frac{1}{16}$  inch in length by 1 inch

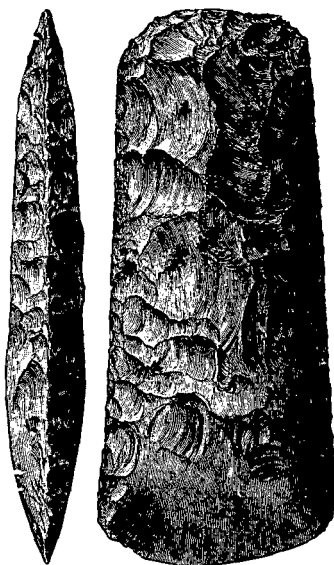


Fig. 1. Flint Axe, from Newtown, Affleck, Forfarshire.

across the cutting edge (fig. 2), polished on each face at the cutting edge—found at Affleck, Monikie; (3) of flint,  $5\frac{5}{8}$  by 2 inches, with pointed butt, and polished on each face at the cutting edge—found near Dundee; (4) of veined slate,  $5\frac{1}{16}$  by  $2\frac{9}{16}$  inches, polished, with imperfect butt—found near Montrose.

Nine Stone Axes, from Aberdeenshire, viz.—(1) of flint,  $2\frac{5}{16}$  by  $1\frac{3}{16}$  inches, polished at the cutting edge—found at Ellon; (2) of felstone,  $4\frac{9}{16}$  by  $2\frac{1}{8}$  inches, polished, with pointed butt—found at Blindfaulds, Fyvie; (3) of veined slate, 4 by 2 inches, finely polished—found at Aboyne; (4) of porphyry,  $2\frac{1}{16}$  by  $1\frac{3}{4}$  inches, polished—found at Huntly; (5) of felstone,  $4\frac{3}{8}$  by  $2\frac{5}{8}$  inches, polished, with square-ended butt—found at Blindfaulds; (6) of greenstone,  $7\frac{1}{4}$  by  $3\frac{1}{16}$  inches, polished—found at Ellon; (7) of granitic stone,  $5\frac{1}{2}$  by  $2\frac{1}{4}$  inches, much weathered—found at Windy Hills, Fyvie; (8) of granitic stone,  $7\frac{3}{4}$  by  $2\frac{7}{8}$  inches, polished—found at Auchterless; (9) of greenstone, 13 by  $3\frac{7}{8}$  inches, polished on each face at the cutting end—found at the Barmekin of Echt.

Axe-Hammer of felstone,  $4\frac{1}{16}$  by  $1\frac{1}{16}$  inches, polished, with haft hole at right angles to the edges, which are blunted—found at Fallaws, Monikie, Forfarshire.

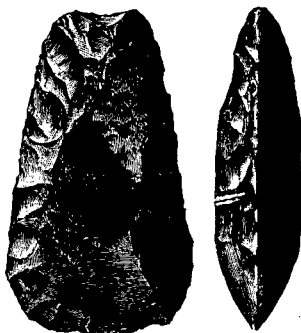


Fig. 2. Flint Axe, from Affleck, Monikie, Forfarshire.

Two Hammer-Heads, from Aberdeenshire, viz.—(1) of quartz sandstone,  $3\frac{1}{2}$  by  $2\frac{3}{8}$  inches, with haft hole through the flat face—found at Auchterless; (2) of whinstone,  $3\frac{1}{4}$  inches in length, with a large part of one side broken away—found at Boddam.

Axes (1) of greenstone,  $5\frac{7}{8}$  by  $4\frac{1}{8}$  inches, polished, with projecting ears, slightly imperfect at the butt—from St Vincent, West Indies; (2) Axe of green quartz-like stone,  $7\frac{1}{16}$  by  $3\frac{3}{16}$  inches, finely formed and polished—probably from the West Indies.

Adze of lava, 12 by  $2\frac{1}{16}$  inches, polished—found at Timaru, New Zealand; and oval-shaped piece of Jade, 4 by  $2\frac{1}{2}$  inches, smoothly polished, and partly perforated at one end—from New Zealand.

Five carved Stone Balls, from Aberdeenshire, viz.—(1) of granitic stone,  $2\frac{3}{4}$  inches in diameter, ornamented with seven slightly projecting discs; (2) of greenstone,  $2\frac{1}{8}\frac{3}{8}$  inches in diameter, with six projecting discs; (3) of granite,  $3\frac{1}{8}$  inches in diameter, with six projecting discs—found at Auchterless; (4) of greenstone, 3 inches in diameter, ornamented with fifty-three small projecting knobs—found at Fyvie; (5) of greenstone,  $2\frac{5}{8}$  inches in diameter, with fifteen projecting knobs, four of which are imperfect—found at Fyvie.

Two carved Stone Balls of granite, from Forfarshire, viz.—(1)  $2\frac{1}{8}\frac{5}{8}$  inches in diameter, with six projecting discs—found at West Ferry, near Dundee; (2)  $3\frac{1}{8}$  inches in diameter, with six projecting discs—found at Kirriemuir.

Ball of granite, 3 inches in diameter, ornamented with six projecting discs—found at Methven Wood, Perthshire, in 1827.

Five Anvil-Stones of quartzite, found at Skelmuir, Aberdeenshire, viz.—(1) with nine hollows on one face and six on the other; (2) with four hollows on each face; (3) with two hollows on one face and one on the other, and grooved on each side for a handle; (4) with three hollows on one face and two on the other, and the sides worn by use as a hammer-stone; (5) with deep circular smoothed hollow on one face.

Pebble of reddish sandstone, with picked hollow on one face—found in a cist, with two urns, at Barnhill, Forfarshire; (2) Rubbing or Smoothing Stone of claystone in the form of a small stone axe, with blunted cutting edge—found at Newtonbank, Abernethy, Perthshire.

Three Stone Cups, viz.—(1) of quartzite sandstone,  $4\frac{1}{4}$  inches in greatest diameter, with raised band on the outside, ornamented with a zigzag pattern, and with short handle—found at Fyvie, Aberdeenshire; (2) of steatite, 4 inches in diameter, with perforated handle, unornamented—found at Tarland, Aberdeenshire; (3) of granite,  $3\frac{7}{8}$  inches in diameter, unornamented, with projecting imperforate handle—found at Elgin.

Two Whetstones or Polishers of quartzite, viz.—(1)  $2\frac{1}{4}$  by  $\frac{3}{4}$  by  $\frac{3}{4}$  inch—found at Carniemore, Rickerton, Stonehaven, Kincardineshire; (2) imperfect at each end,  $2\frac{3}{16}$  inches by  $\frac{7}{16}$  by  $\frac{7}{16}$  inch—found in Aberdeenshire.

Whetstones, viz.—(1) of schistous slate,  $2\frac{1}{16}$  by  $\frac{1}{2}$  by  $\frac{5}{16}$  inches, per-



forated at one end—found at Rickerton, Stonehaven, Kincardineshire; (2) of mica-schist, imperfect at one end—found at Strathnaver, Sutherlandshire; (3) of claystone,  $4\frac{7}{16}$  inches in length—found at Rait, by Errol, Perthshire; (4) of mica-schist,  $4\frac{1}{8}$  inches in length—found in Aberdeenshire.

Urns of Food-Vessel type, viz.—(1)  $5\frac{1}{2}$  inches in height, by 6 inches across the mouth (fig. 3), ornamented with continuous rows of small punctures, and having six ear-like projections ranged round the circumference—found in cists at Zabothy Hill, Inverarity, Forfarshire; (2)  $5\frac{3}{4}$  by  $5\frac{3}{4}$  inches (fig. 4), rudely ornamented by six rows of groups of

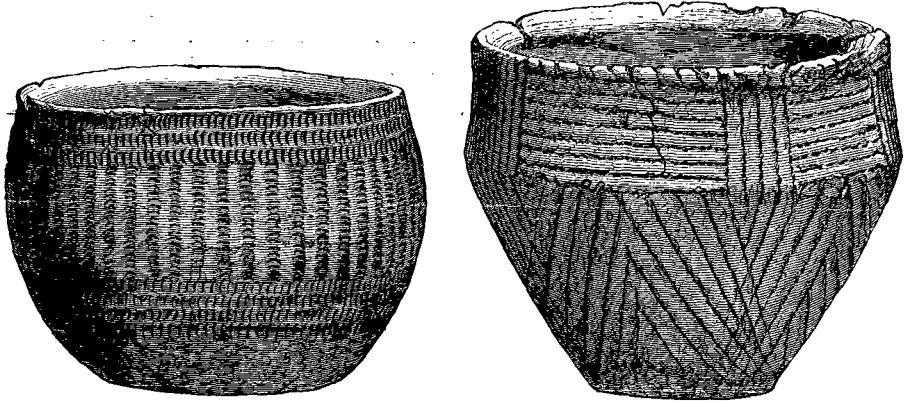


Figs. 3, 4. Urns from Cists at Zabothy Hill, Inverarity, Forfarshire ( $5\frac{1}{2}$  and  $5\frac{3}{4}$  inches high).

short incised lines—also found in a cist at Zabothy Hill; (3)  $4\frac{1}{2}$  by  $6\frac{1}{2}$  inches (fig. 5), ornamented with rows of horizontal and vertical incised lines (restored)—found at Wartle, Aberdeenshire; (4)  $5\frac{3}{8}$  by  $6\frac{1}{2}$  inches (fig. 6), ornamented with groups of incised vertical and horizontal lines, &c.; (5)  $4\frac{1}{4}$  by  $4\frac{1}{2}$  inches, ornamented with rows of depressions round the outside of the lip and lower down on the outside—both found in Hatton Cairn, Inverarity, Forfarshire; (6)  $6\frac{1}{4}$  by  $6\frac{1}{8}$  inches, rudely ornamented with incised lines; and (7) cylindrical Bead and small Plate of jet from

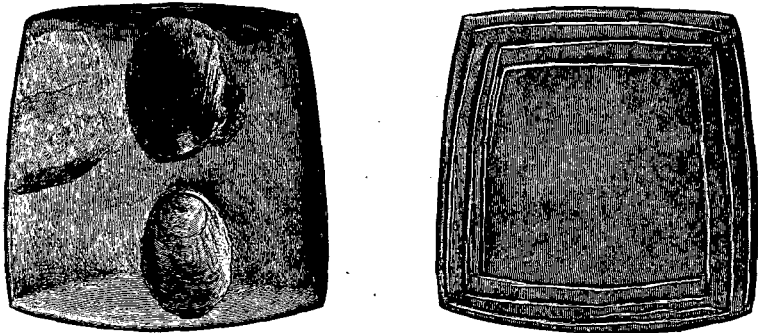
a necklace, found together in a cist at Kellas, parish of Murroes, Forfarshire.

Beads, &c., viz.—(1) square-shaped Button of jet (figs. 7, 8), orna-



Figs. 5, 6. Urns from Wartle, Aberdeenshire, and Hatton Cairn, Inverarity, Forfarshire ( $4\frac{1}{2}$  and  $5\frac{3}{8}$  inches in height).

mented round the margin on the upper side with incised lines—found in a cist at Law Hill, Dundee; (2) one large and one small Bead of jet—



Figs. 7, 8. Back and Front of Jet Button found in a Cist at Lawhill, Dundee.

found in a cist at Gartley, Aberdeenshire; (3) large Bead of jet—found

in the foundation of an old camp at Melgund, Forfarshire; (4) Bead of white vitreous paste, with yellow spirals—said to have been found along with seven bronze implements at Clova, Aberdeenshire; (5) Bead of blue vitreous paste, with yellow spirals—found at a stone circle at Beetloun (?), Aberdeenshire; (6) Bead of white vitreous paste, inlaid with bluish-green, and half of another of brownish paste inlaid with yellow—both found at Cloister Seat, Udny, Aberdeenshire; (7) two Beads of black glass, and one of whitish paste or agate—also found at Cloister Seat, Udny; (8) Bead of light blue iridescent glass—found at Monikie, Forfarshire; (9) heart-shaped Object of amber, 2 inches in length—found in Aberdeenshire; and (10) a small Bead of the same material—found at Balgay, near Dundee.

Eight small Flakes, one Core, and two Chips of flint and jasper—from India; and three small Arrow-Heads of obsidian, with deeply notched sides—from Los Angeles, California.

Thirty-six small Cores of flint, from Aberdeenshire, viz., fourteen from Buchan, eleven from Ellon, one from Rickerton, and ten without precise localities.

Saw, side Knife, and trimmed Flake of flint—all found in a stone cist with an urn at Fallaws, Monikie, Forfarshire.

Seven Knives of flint, formed from large flakes, which have been worked to an edge on each side, and over the upper face, the underside being left unworked, viz.—(1)  $3\frac{7}{8}$  inches in length—found at Alford, Aberdeenshire; (2)  $2\frac{1}{8}$  inches in length—found at Kirkbuddo, Inverarity; (3)  $2\frac{1}{6}$  inches in length—found at Oakbank, Monikie, Forfarshire; (4)  $2\frac{1}{4}$  inches in length—found at Downiebank, Monikie; (5) roughly formed,  $2\frac{3}{6}$  inches in length—found at Cruden, Aberdeenshire; (6)  $2\frac{1}{8}$  inches in length, partly trimmed on the underside—found at Bankhead, Monikie; (7)  $2\frac{1}{8}$  inches in length—found at Kirkbuddo.

Leaf-shaped Implement of reddish flint,  $4\frac{7}{8}$  inches in length by  $2\frac{1}{4}$  inches in greatest width, tapering to a point, and with the butt rounded—found at Stannishill, Cruden; (2) leaf-shaped Implement of flint,  $2\frac{3}{8}$  inches in length by  $1\frac{3}{8}$  inch in greatest breadth—found at Downie Muir, Monikie; (3) Fabricator of reddish flint,  $4\frac{1}{8}$  inches in length—found at Warrenhill, Mildenhall, Suffolk.

Miscellaneous Implements of flint, viz.—(1) leaf-shaped Implement,  $1\frac{5}{8}$  inch in length by  $1\frac{1}{8}$  inch across the widest part of the base and  $\frac{3}{8}$  inch in greatest thickness—found at Inverury, Aberdeenshire; (2) Implement of greyish flint,  $2\frac{1}{4}$  by  $2\frac{1}{8}$  inches, finely ground and polished at the cutting edge—found at Fordoun, Kincardineshire; (3) one oblong end Scraper, one horse-shoe shaped Scraper, half of an oval-shaped Knife trimmed over the upper face, and five trimmed Flakes—all found at Kirkbuddo, Inverarity; (4) trimmed Flake and small single-edged Knife, from Bankhead; (5) small oval-shaped Knife of flint, imperfect at each end, large Scraper and two Flakes, from Monikie; (6) lozenge-shaped Knife-Dagger,  $3\frac{3}{4}$  inches in length, imperfect at one end and partly serrated—“found at Roman Camp, Kirkbuddo;” (7) small single-edged Knife—found at Kirkbuddo; (8) Knife of agate (fig. 9), small Scraper and seven Chips of the same material—found in the Hatton Cairn, Inverarity, Forfarshire; (9) fifteen small Chips and Flakes of flint, from various localities; (10) three trimmed Flakes, from Kirkbuddo, and one from Bankhead, Monikie.

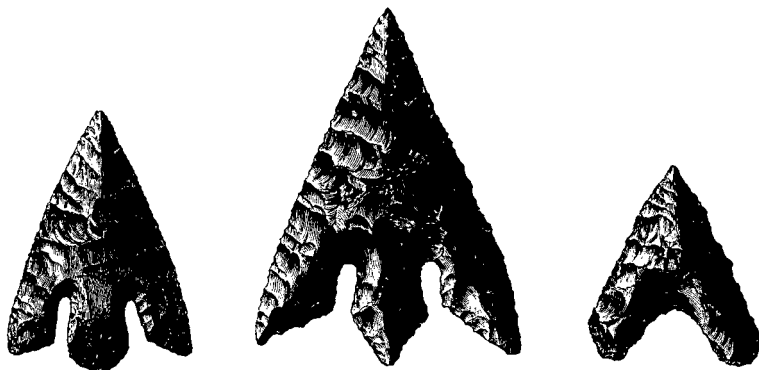


Fig. 9. Knife of Agate, from Hatton Cairn, Inverarity, Forfarshire (actual size).

Arrow-Heads of flint, with barbs and stems, viz.—(1) eleven found at Huntly, Aberdeenshire, four of which are imperfect; (2) nine found at Rickerton, Stonehaven, Kincardineshire, three of which are imperfect, and a Spear-Head,  $2\frac{3}{8}$  inches in length, imperfect at the point, also found at Rickerton; (3) three found in the vicinity of Stonehaven, one imperfect at the point, and a roughly formed Spear-Head,  $2\frac{3}{8}$  inches in length—found at Saddlehill, Stonehaven; (4) three found in the vicinity of Carmyllie, Forfarshire, the largest and finest of which is shown in fig. 11; (5) three found at Melgund, Forfarshire, one of which is imperfect, and a second is roughly formed and unfinished; (6) two found at Deeside, Aberdeenshire, both imperfect; (7) two found at Bervie, two found at Garvock, one from Kinneff, one from Arbuthnot, one from Petty (fig. 10), and one from Fordoun, Kincardineshire; (8) two found at Inverarity, one from Monikie, and one from Kirkbuddo,

Forfarshire ; (9) large rude Spear-Head found at Cruden ; and an Arrow-Head with deep hollow base—found at Ellon, Aberdeenshire (fig. 12).

Arrow-Heads of leaf- and lozenge-shaped forms, viz.—(1) one finely formed leaf-shaped specimen,  $2\frac{3}{8}$  inches in length—found in Invernessshire ; (2) two of pointed leaf-shape form—found at Kintore, Aberdeenshire ; (3) three leaf-shaped and one of lozenge form, imperfect at the point—found at Fordoun, Kincardineshire ; (4) seven of leaf and lozenge



Figs. 10, 11, 12. Arrow-Heads of Flint from Petty, Carmyllie, and Ellon (actual size).

forms, three of which are imperfect and one of rough unfinished form—found at Monikie, Forfarshire ; (5) three leaf-shaped, found at Kirkbuddo, two pointed leaf-shaped from Happas, Inverarity, and an imperfect lozenge-shaped Arrow-Head found at Carmyllie ; (6) two leaf-shaped found at Udney, one found at Deeside, and one found at Fyvie, Aberdeenshire.

Three flat Axes of bronze, viz.—(1)  $3\frac{7}{16}$  by  $1\frac{5}{8}$  inches, very slightly flanged and with small stop ridge—found in Aberdeenshire ; (2)  $6\frac{5}{8}$  by  $3\frac{5}{8}$  inches, with the sides hammered into three facets ; (3)  $5\frac{7}{8}$  by  $3\frac{1}{4}$  inches, slightly imperfect at the cutting edge and with the upper part wanting, one face showing traces of “tinning”—both said to have been found in the parish of Abdie, Fifeshire.

Flanged Axe of bronze,  $5\frac{3}{16}$  by  $2\frac{1}{8}$  inches, imperfect at the butt—found at Caterthun, near Brechin, Forfarshire.

Socketed Axe of bronze,  $4\frac{1}{8}$  by 2 inches—found at Glentanner, Aboyne, Aberdeenshire.

Three small Spear-Heads of bronze, viz.—(1)  $7\frac{3}{8}$  inches in length, with projecting loop on each side of the socket, which is imperfect—found at Auchindneich, Arbuthnot, Kincardineshire; (2)  $4\frac{7}{8}$  inches in length, with projecting loop on each side—found at Craigielee, parish of Craigie, Perthshire; (3)  $2\frac{7}{8}$  inches in length, with small projecting loop on each side—found at Glentanner, Aboyne, Aberdeenshire.

Ring-shaped Harness-Mounting, probably for a driving collar—found at Clova, Aberdeenshire.

Small antique wooden Scale-Box, and a small Box made from a solid piece of wood, ornamented with incised carving and with sliding lid.

Constable's Staff, carved with Celtic interlaced ornament, and inscribed *K. C. Police* and *V.R.* under a crown.

Sporran of buckskin with brass clasp, "said to have belonged to Rob Roy."

Small heart-shaped Brooch of gold and three heart-shaped Brooches of silver; (2) Finger Ring of silver—found in Monifieth; (3) pair of Shoe-buckles of brass; (4) pair of small oval-shaped Buckles of silver; (5) portion of Brass Chain, with "eye" terminal link—found at Craigie Cliff, Dundee.

Toasting-Stone of sandstone, with the centre of the upper face decorated with four hearts placed radially in relief, and surrounded by an incised ray-like border; the back carved with the initials *I. D. M. L.*, and the date 1791—from Forfarshire.

Candlestick of stone for four candles in two tiers, with a tailor's "goose" incised on each of the two sides, and a pair of scissors on the back and front, and the initials *R. B.* on the face of the upper tier.

Eskimo Cooking Lamp, formed from a large block of steatite, with D-shaped hollow, 9 inches in length by  $4\frac{1}{2}$  inches in greatest width, and 2 inches deep.

Eskimo Implements and Weapons, viz.—(1) Bow formed of five pieces of walrus bone, neatly bound with sinews,  $29\frac{1}{2}$  inches in length; and an Arrow of wood,  $20\frac{3}{8}$  inches in length, feathered, and pointed with iron; (2) Scraper of rude form, made of a piece of green jasper—from

Kingatak Island, Davis Straits ; (3) two Harpoon Points of walrus ivory, one bound with tendon, and each with iron tip ; (4) Harpoon Point,  $21\frac{3}{8}$  inches in length, in two pieces, pointed at one end, and scarfed at the other for attachment to the handle ; (5) three Pins of ivory,  $3\frac{1}{2}$ ,  $4\frac{1}{4}$ , and  $4\frac{5}{8}$  inches in length ; (6) one Longtooth Comb of ivory, with ornamented head, imperfect on one side ; (7) Needle of ivory,  $4\frac{3}{8}$  inches in length ; (8) two Buttons or Dress Fasteners,  $2\frac{3}{8}$  and  $3\frac{1}{2}$  inches in length, pierced at the centre ; (9) six Implements of deer-horn and bone—from Kingatak Island, Davis Straits ; (10) Bone Dress Fastener of cylindrical form,  $2\frac{1}{2}$  inches in length by  $\frac{7}{8}$  inch in diameter, pierced with four holes ; (11) Spatula or (?) Marrow Spoon,  $7\frac{3}{4}$  inches in length.

2. Axe of micaceous sandstone,  $5\frac{1}{6}$  by  $2\frac{1}{2}$  inches, with polished faces and rounded sides—found at Garvald, Haddingtonshire.

3. Axe of weathered claystone,  $2\frac{1}{8}$  inches in length by  $1\frac{7}{8}$  inch across the cutting edge—found at Bowmont Water, in the Cheviots.

4. Axe of porphyritic stone,  $7\frac{7}{8}$  by  $3\frac{1}{4}$  inches and  $2\frac{7}{16}$  inches in thickness, polished—found at Glen Clova, Forfarshire.

5. Axe of micaceous claystone,  $4\frac{7}{8}$  by  $2\frac{1}{4}$  inches, with sharp cutting edge, flat sides, and polished faces—found at Pittentrail, Rogart, Sutherlandshire.

6. Axe of blackish-grey flint,  $2\frac{3}{4}$  by  $1\frac{1}{2}$  inches, with chipped surface, the cutting edge only showing polishing—found on Presson Hill, parish of Wark, Northumberland.

7. Ball of quartz sandstone,  $2\frac{5}{8}$  inches in diameter, with four projecting knobs—found on Herschel Hill, Fordoun, Kincardineshire.

8. Rubbing or Smoothing Stone of claystone, in the form of a rude stone axe—found at Drummond, near Kenmore, Perthshire.

9. Hammer-Head of whinstone,  $13\frac{1}{2}$  inches in length by  $5\frac{5}{8}$  inches in greatest breadth, rudely formed, perforated—found in draining a field, in 1843, at Eskhill, Roslin, Edinburghshire.

10. Adze of compact greenstone,  $5\frac{1}{2}$  inches in length by  $1\frac{3}{4}$  inch across the cutting edge, with the faces polished and the butt grooved and rough—from New Zealand ; and (2) an Arrow-Head of cherty stone—from North America.

11. Two Whorls found in Berwickshire, viz.—(1) of claystone,  $1\frac{7}{16}$

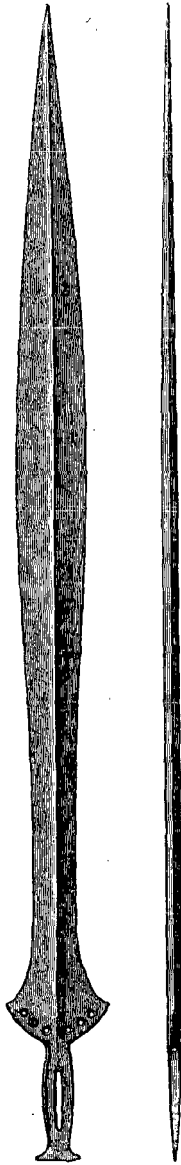


Fig. 13. Sword of Bronze, from the River Tay (30½ inches in length).

inches in diameter, ornamented round the spindle hole on one face with concentric circles; (2) of red sandstone, 1¾ inch in diameter.

12. Sword of bronze, 30½ inches in length (fig. 13), with three rivet holes in each wing and a large slot in the hilt plate, and the blade with a raised rib on each face. This sword differs in many respects from the usual type of the Bronze Age weapon, and is besides the largest hitherto known to have been found in Scotland. It was found in the River Tay, on the north side of Mugdrum Island.

13. Ferrule of bronze for a spearshaft, 7⅝ inches in length by 1 inch across the mouth or open end, with a rivet hole at a distance of 1¼ inch below the opening. This ferrule was found at Leetside, in the parish of Whitsome, Berwickshire, and is the second example of its kind known to have been found in Scotland. A few have been found in England and elsewhere.

14. Caldron of thin sheet bronze, 13½ inches in diameter across the mouth, expanding to 15 inches at the widest part of the middle, and 8¼ inches in height—found in Whitehills Moss, near Lochmaben, Dumfriesshire.

15. Rapier Blade of bronze, 10¾ inches in height, imperfect at the socket end, but showing remains of three rivet holes—found at Kilham, Bowmont Water, in the Cheviots.

16. Two small water-worn Pebbles of



gritty sandstone, each with a perforation through the centre of the flat face—found in Berwickshire.

17. Triangular-shaped Flake of flint,  $1\frac{1}{8}$  inch in length, dressed along each edge on one face—found in Berwickshire; and a rudely formed end Scraper of flint—found on Drummond Hill, Loch Tay.

18. Urn of Drinking-Cup type,  $5\frac{3}{8}$  by  $4\frac{1}{4}$  inches, rudely ornamented by six bands of herring-bone pattern, and imperfect on one side—found at Gryndan, Norham, Northumberland.

19. Highland Dirk,  $17\frac{3}{8}$  inches in length, with interlaced brass-mounted handle, and with leather sheath.

20. Charter of Grant of Lands by Thomas Abbot of Holywood to John Charteris in Rydingwood, dated 7th June 1548, with seal attached.

21. Pair of Shetland Wool Combs, with iron teeth, mounted in wood and horn handles.

22. Carved Scoop of wood, from New Zealand; iron Axe in wooden handle, triple Dish of wood in the form of three plates joined together, and a Rattle or Musical Instrument, from Africa.

23. Nineteen Sepulchral Urns, four pieces of mediæval Pottery, and a Pewter Mug—from Hanover.

24. Eight Collections of Flint Implements, chips and flakes, from the Culbin Sands, one from Glenluce Sands, and one from Tannadice, Forfarshire.

25. Original Document containing the Depositions, Confessions, and Delations of certain Witches at Alloway in June 1658.

26. *La France Préhistorique d'après les Sépultures et les Monuments*, par Émile Cartailhac. Paris, 1889.

27. *Description Raisonnée du Musée de Saint-Germain-en-Laye: I. Époque des Alluvions et des Cavernes*, par Salomon Reinach. Paris, 1889.

There were also Exhibited:—

(1) By THOMAS STUART ANDERSON, F.S.A. Scot., Lingarth, Newburgh.

A carved Powder Horn, Scottish, with monogram, and figures of birds, animals, &c.

(2) By Major-General J. SHAW STEWART, R.E., F.S.A. Scot.

A circular Mechanical Calculating Board, with brass movable discs marked "William, Earle of Ammandale, Edinburgh, March 6th, 1700."

The following Communications were read :—