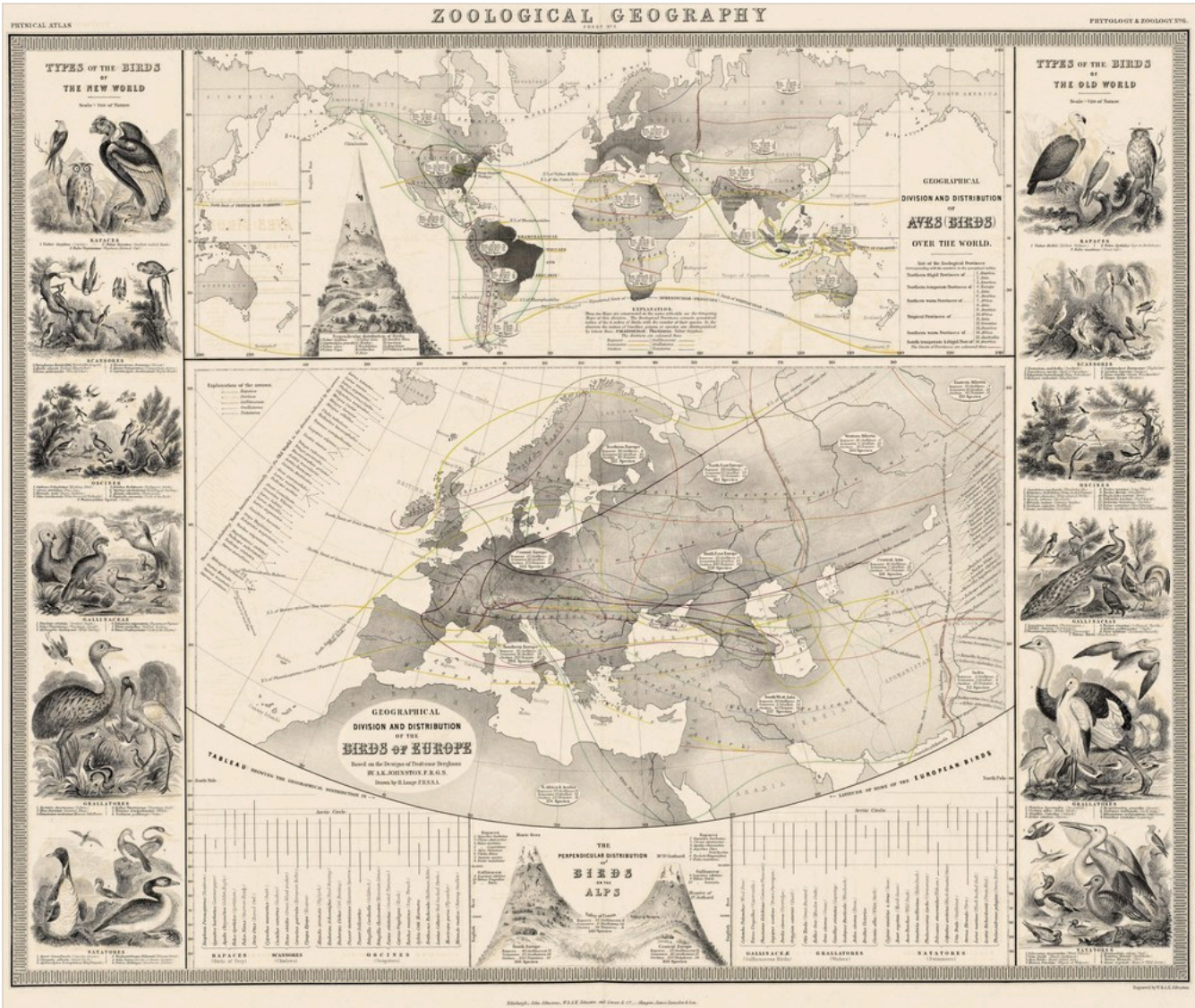


Zoological Geography

OLD MAP STUDIO · RESTORATION PASSPORT



THE SHEET

Cartographer	Alexander Keith Johnston
Credits	Alexander Keith Johnston (1804-1871), geographer; engraved by W. & A.K. Johnston (lettered on the sheet)
Imprint	Edinburgh : William Blackwood & Sons, 1848
Year	1848
Technique	engraving (the sheet is lettered 'Engraved by W. & A.K. Johnston'; the plate metal is not stated in the record), coloured (the record says 'col.'; the colouring method is not stated)
Source	National Library of Scotland, EMW.X.249 https://maps.nls.uk/world/rec/5839 · NLS Scotland CC-BY 4.0 (attr: National Library of Scotland)
Notes	Plate from Johnston's Physical Atlas, lettered PHYSICAL ATLAS at the upper left, PHYTOLOGY & ZOOLOGY No 6 at the upper right and Sheet No 4 under the title. Two world maps of the distribution of birds, side panels Types of the Birds of the New World and Types of the Birds of the Old World, two diagrams of species counts for South Europe (294 species) and Central Europe

(305 species), and tables of the orders Rapaces, Scansores, Oscines, Gallinaceae, Grallatores and Natatores. Imprint line at the foot of the sheet: Edinburgh; John Johnstone, W. & A.K. Johnston and Cowan & Co. - Glasgow: James Lumsden & Son. Engraved by W. & A.K. Johnston at both lower corners. (All read from the sheet.)

WHAT WAS DONE

- Paper levelled and toned to the studio standard: level 234.72, warmth 32.0.
- Scanner edge removed: top 0, bottom 0, left 0, right 0 px. No mount board: the sheet was scanned on its own.
- The printed line deepened by a monotone tone curve; ink area changed by 0.72× — the lines are darker, not thicker.
- Owner marks: No library stamps and no pencil marks were found on this sheet. The scanner edge was not cropped: the restored master has exactly the size of the source scan. A few specks of paper dust remain in the blank margins outside the printed area, and the blank margins are of uneven width, as they are on the original sheet; both were left as they are by the owner's decision.

WHAT WAS NOT DONE

- no map content added, removed or redrawn
- no retouching over printed ink
- no change of proportions
- no global filter
- paper neither bleached white nor tinted
- authenticity marks kept: plate mark, deckle edge, honest patina

MEASURED ON RELEASE

The line is deep, not thickened	ink core 16 of 255 · ink area 0.72× the source
Nothing is burnt out at either end	0.00% of the sheet clipped to white · 0.03% crushed to black
The paper is even across the whole sheet	level 235 · unevenness 2.17, where 4 is the limit
The paper is warm — neither bleached nor tinted	R-B 32, inside the 24–40 band of the studio standard (paper tone D)
Paper texture is kept, not smoothed away	0.83 of the grain the archive scan itself had
Lines are sharper than the scan, with no halo	1.64× the source · halo 0.00%
Nothing of the archive is left behind	stains 0.00% · specks 0.00%

Engine revision 8, standard revision 7.1. Every criterion, with its target and the measured value, is listed in the record below.

WHAT IS IN THE ARCHIVE

633-johnston-zoological-geography-1-1848-full-300dpi.jpg	30.1 MB
633-johnston-zoological-geography-1-1848-trim-300dpi.jpg	30.8 MB
formats/633-johnston-zoological-geography-1-1848-3x2-300dpi.jpg	34.1 MB

formats/633-johnston-zoological-geography-1-1848-4x3-300dpi.jpg	32.4 MB
formats/633-johnston-zoological-geography-1-1848-5x4-300dpi.jpg	31.5 MB
formats/633-johnston-zoological-geography-1-1848-iso-300dpi.jpg	33.2 MB
633-johnston-zoological-geography-1-1848-passport.pdf	this document

Six print files and this passport, 192 MB in total, delivered as six separate ZIP archives (one print file, the passport and a READ ME in each). Nothing else: the catalogue previews and the 1:1 detail crops shown on the shop page are not padding out this archive — any crop you want is already inside the full-resolution file.

Largest print at 300 dpi: 69.7 × 58.7 cm. At 240 dpi: 87.2 × 73.4 cm. At 200 dpi, still sharp on matte paper at arm's length: 104.6 × 88.0 cm.

APPENDIX: THE FULL ACCEPTANCE RECORD

ink core density, 0-255	16.0	2-22
black point (full resolution)	3.0	2-14
white point	239.0	237-244
clipped highlights, %	0.0	0
crushed shadows, %	0.03	0
paper level	234.72	227-237
paper evenness across the sheet	2.17	0-4
paper warmth R-B	32.0	24-40
residual stains, %	0.0	0-0.2
residual specks, %	0.0	0-0.5
paper texture kept vs source	0.83	0.60-1.00
edge sharpness vs source	1.64	>= 1.00
halo around lines	0.0	0-2
ink area vs source	0.72	0.90-1.12
absolute edge sharpness	460.99	>= 20

Restoration © Old Map Studio, 2026-10-01. The original map is in the public domain. This passport records what was measured, not what was hoped for.