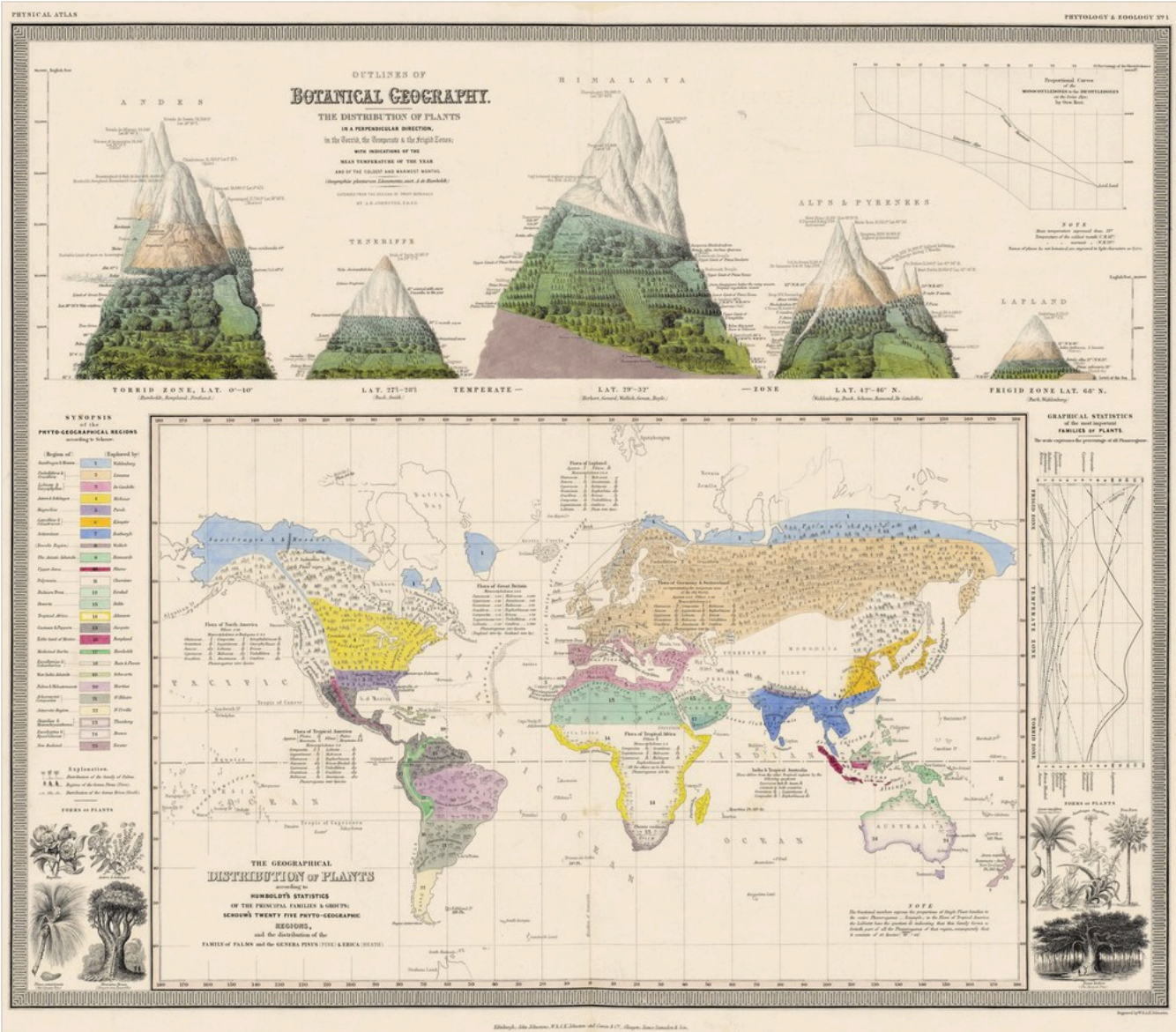


Outlines of Botanical Geography

OLD MAP STUDIO · RESTORATION PASSPORT



THE SHEET

Cartographer	Alexander Keith Johnston (1804-1871)
Credits	Alexander Keith Johnston (1804-1871); extended from the designs of Prof. Berghaus; engraved by W. & A.K. Johnston (lettered on the sheet)
Imprint	Edinburgh, John Johnstone, W. & A.K. Johnston and Cowan & Co. — Glasgow, James Lumsden & Son (lettered on the sheet)
Year	1848
Technique	engraving (the sheet is lettered 'Engraved by W. & A.K. Johnston'; the plate metal is not stated), coloured (visible on the scan; method not stated)
Source	National Library of Scotland https://maps.nls.uk/view/135678718 · 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 and PHYTOLOGY & ZOOLOGY No 1 at the upper right. Upper half: vegetation profiles of the Andes, Teneriffe, Himalaya, the Alps & Pyrenees and Lapland; lower half: world map of the distribution of plants after Humboldt, Schouw's twenty-five phyto-geographic regions, the family of palms and the genera Pinus and Erica, with a synopsis of the regions, graphical statistics and vignettes of plant forms. (All read from the sheet; the NLS record page could not be opened.)
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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 1.11× — 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 work was cleaning: specks of dust and spots were lifted from the paper and the paper tone was evened. Nothing was retouched over printed lines.

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 6 of 255 · ink area 1.11× the source
Nothing is burnt out at either end	0.00% of the sheet clipped to white · 0.12% crushed to black
The paper is even across the whole sheet	level 235 · unevenness 0.41, 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	0.94 of the grain the archive scan itself had
Lines are sharper than the scan, with no halo	1.21× 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

632-johnston-botanical-geography-1848-full-300dpi.jpg	21.1 MB
632-johnston-botanical-geography-1848-trim-300dpi.jpg	22.2 MB
formats/632-johnston-botanical-geography-1848-3x2-300dpi.jpg	26.1 MB

formats/632-johnston-botanical-geography-1848-4x3-300dpi.jpg	24.1 MB
formats/632-johnston-botanical-geography-1848-5x4-300dpi.jpg	23.6 MB
formats/632-johnston-botanical-geography-1848-iso-300dpi.jpg	25.0 MB
632-johnston-botanical-geography-1848-passport.pdf	this document

Six print files and this passport, 142 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: 67.3 × 59.1 cm. At 240 dpi: 84.1 × 73.8 cm. At 200 dpi, still sharp on matte paper at arm's length: 100.9 × 88.6 cm.

APPENDIX: THE FULL ACCEPTANCE RECORD

ink core density, 0-255	6.0	2-22
black point (full resolution)	1.0	2-14
white point	239.0	237-244
clipped highlights, %	0.0	0
crushed shadows, %	0.12	0
paper level	234.72	227-237
paper evenness across the sheet	0.41	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	0.94	0.60-1.00
edge sharpness vs source	1.21	>= 1.00
halo around lines	0.0	0-2
ink area vs source	1.11	0.90-1.12
absolute edge sharpness	370.71	>= 20

Restoration © Old Map Studio, 2026-10-06. The original map is in the public domain. This passport records what was measured, not what was hoped for.