

Livingstone Imaging Draft Plan

Support NEH Grant with Imaging, Scholarship and Data Management and Hosting

Provide the imaging product necessary for the scholarly study of the David Livingstone manuscripts on Livingstone Online, as well as future publications. Supported by an NEH Grant, this imaging work will be carried out in close collaboration with the owners of the David Livingstone 1870-71 Diary and Select Letters: The David Livingstone Centre (DLC) in Blantyre, and the National Library of Scotland (NLS) in Edinburgh.

Spectral imaging and digital processing of David Livingstone's 1870-71 Diary and Select Letters. There are approximately 150-166 pages or portions of pages to image.

Imaging at NLS by team of 5, including:

- **Initially: Scholar (Wisnicki), Program Manager/Imager (Toth), and Camera Engineer (Boydston).**
- **After setup: Imaging Scientist (Easton or Christens-Barry).**
- **After initial imaging: Imaging Scientist (Christens-Barry or Easton).**
- **Third Imaging Scientist (Knox) supports pre and post-processing off site**
- **Schedule linked to Dresden imaging effort 21-26 June**

Schedule:

24 June	Initial Arrival (ASW, MBT, KB), site survey & Equipment Delivery
25 June	Setup and Test with objects
25 – 26 June	Initial imaging and arrival of one imaging scientist for validation of initial imaging
27 June (or 28 June am)	Arrival of second imaging scientist
	Imaging system planning, study of current images
28 – 29 June	Imaging of nonstandard Field Diary pages from DLC
28 June – 3 July	Imaging and Metadata collection (~40 sides/day)
	Copying and backup of collected images
26 June – 2 July	Image validation, assessment and processing
2 July	Outbrief and onsite processed image delivery
3 July	Reserve day for imaging and/or Pack-out

Data Delivery Schedule:

July-December	Post-processing and data management
TBD	Processing and Data Coordination Visit
Jan - June 2011	Data Hosting
15 July 2011	Formal Announcements and Data Access on 140th anniversary of Ngwanye massacre

Issues:

- **Imaging Work Processes**
 - **Near real-time FTP transfer of images, logs & metadata Stateside from NLS for IV&V and processing**
 - **Timely copying of data for validation and processing**
 - **Onsite processing and quality control, and division of labor between image scientists**
- **Coordination and planning with NLS and David Livingstone Centre**
 - **“Go- No Go” telecon in May with hosts**
 - **Scheduling and transport of manuscripts from David Livingstone Centre**
 - **Scheduling access to imaging space and manuscripts**
 - **Availability and height of copy stand from NLS**
 - **Availability of light panel stands from NLS**
 - **Imaging room PC with LAN access and additional access for laptops**
- **Preimaging studies**
 - **Processing of Livingstone Letter (ink) and Declaration draft (cellulose acetate)**
 - **Utility of Color Wheel images for Letter and ink**
- **Confirmed availability of ENVI software if to be used by Roger as processing tool**
- **Accommodation (possibly including serviced apartments)**

There are approximately 150-166 pages or portions of pages to image:

At the David Livingstone Centre, Blantyre:

- 1) Field Diary 1871, pages CXXXII to CLXIII: 8 sheets double-sided, each sheet 1/4 the size of a newspaper page, cellulose acetate laminate
16 sides to image; two images per side, plus possible 16 full sheet macro images
 - 2) Field Diary 1871, pages CXVI to CXIX: 2 sheets, double-sided, each 1/8 of a newspaper page, cellulose acetate laminate
4 sides to image
 - 3) Field Diary 1870-71, pages XIV, LXII to LXIX, LXXVI
10 sides, each the size of the page of a regular book
 - 4) Field Diary 1871, loose sheet, unnumbered
2 sides, each about the size of the page of a regular book
- Total: 48 Side Equivalents

At the National Library of Scotland, Edinburgh:

- 1) MS. 10703:
Approximately 94 sides, each the size of the page of a regular book
 - 2) A few letters from the same period may also be imaged:
 - a. DL to John Kirk, 13 Feb. 1871, MS. 10701, f.154
 - b. DL to Agnes Livingstone, Mar. 1871, MS. 10707, f.85
 - c. DL to John Kirk, 25 Mar. 1871, MS. 10768, f. 80
 - d. DL to John Kirk, 14 May and 26 June 1871, MS. MS. 10768, f. 81Approximately 8 sides to image
- Total: Approximately 102 Sides