The Health of British Seamen in the West Indies, 1770 - 1806

Submitted by Coriann Convertito to the University of Exeter as a thesis for the degree of Doctor of Philosophy in Maritime History in August 2011.

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This thesis examines the impact of disease and mortality on the Royal Navy in the West Indies from 1770 to 1806. It also investigates the navy’s medical branch which was established to manage the care of sick seamen. Using an interdisciplinary approach, this thesis produces a cohesive understanding of how disease and mortality affected the navy’s presence in the West Indies and the ways in which the navy attempted to mitigate their impact. This thesis explores various aspects of naval medicine including the history of the Sick and Hurt Board, the diseases which distressed seamen, the medicines distributed by the navy, the key personnel who were integral in generating changes to the medical system and the development of hospital facilities.

Largely based on Admiralty records including correspondence and minutes from the Sick and Hurt Board, ships’ muster books and surgeons’ journals, this thesis investigates the most prevalent diseases in the West Indies and the prescribed treatments advocated by the navy. It then examines how these diseases and treatments affected seamen on board ships in that region through a quantitative analysis; then focuses on a number of the integral naval personnel who ushered in sweeping changes to naval medicine; and explores the navy’s increasing desire to transition from hired sick quarters to purpose-built naval hospitals on various West Indies islands. It concludes with a case study of the development of Antigua naval hospital which demonstrates the effectiveness of these facilities in convalescing sick seamen.

Through a quantitative analysis of ships’ muster books, this thesis argues that the levels of sickness and mortality in the navy in the West Indies during the late eighteenth century are largely exaggerated in historical studies while also discrediting the myth that those islands were the ‘white man’s graveyard’ for many naval personnel. By surveying over 100,000 seamen on board ships in that region, sickness and mortality figures emerge which indicate that, on average, less than 4 per cent of seamen were on the sick list at any given time and only a small percentage died, meaning that the majority remained on active duty. This thesis then argues that many of the changes to the navy’s medical system that facilitated such low percentages were primarily instigated by surgeons, physicians and captains who identified beneficial medicines and championed their general distribution among the entire fleet. By looking at these aspects of naval medicine through a multidisciplinary lens rather than a purely administrative one, it is possible to understand the true state of health of British seamen in the West Indies during the last quarter of the eighteenth century.
Table of Contents

Introduction..........................................................................................................................9
(a) English Colonisation of the West Indies.................................................................9
(b) Trade Economics with the West Indies.................................................................12
(c) Brief History of Medicine.......................................................................................17
(d) Objectives and Structure.......................................................................................19
(e) Notes on Sources......................................................................................................21
(f) Notes on Literature....................................................................................................23
(g) Notes on Terms.........................................................................................................26

Chapter 1: Sick and Hurt Board: History and Responsibilities........................................27
1.1 Sick and Hurt Board: Pre-1740...............................................................................29
1.2 Sick and Hurt Board: Post-1740.............................................................................30
1.3 Sick Quarters, Hospitals and Hospital Ships.......................................................37
1.4 Role of Naval Surgeons.........................................................................................43
1.5 Role of Naval Physicians.......................................................................................51
1.6 Role of the Company of Surgeons/College of Physicians.................................52
1.7 Role of the Society of Apothecaries.......................................................................56
1.8 Summary................................................................................................................57

Chapter 2: Diseases in the West Indies...........................................................................60
2.1 Yellow Fever..........................................................................................................63
2.2 Ague (Malaria).......................................................................................................69
2.3 Typhus....................................................................................................................72
2.4 Diarrhoea, Flux and Dysentery.............................................................................75
2.5 Scurvy......................................................................................................................77
2.6 Ulcers......................................................................................................................80
2.7 Consumption..........................................................................................................82
2.8 Dropsy.....................................................................................................................83
2.9 Gravel......................................................................................................................85
2.10 Rheumatism..........................................................................................................86
2.11 Ruptures................................................................................................................87
2.12 Wounds..................................................................................................................88
2.13 Less Frequent Complaints....................................................................................91
2.14 Summary..............................................................................................................92

Chapter 3: Medicines, Cures and Trials........................................................................94
3.1 Portable Soup.........................................................................................................96
3.2 Elixir of Vitriol ....................................................................................................103
3.3 Dr James’s Fever Powder....................................................................................105
3.4 Peruvian Bark.......................................................................................................107
3.5 Ulcer Cures..........................................................................................................113
3.6 Rupture Cures.....................................................................................................116
3.7 Venesection (Bleeding). .....................................................................................119
3.8 Fluxes, Dysentery and Diarrhoea Cures...............................................................121
3.9 Fever Cures.........................................................................................................123
3.10 Scurvy Cures.....................................................................................................126
3.11 Summary...........................................................................................................132
Chapter 4: Health of British Sailors Afloat in the West Indies........................................134
4.1 Sampling Criteria..........................................................................................134
4.2 Seamen in the West Indies.................................................................137
4.3 Sickness Levels in the West Indies..............................................138
4.4 Health of Individual Ships..........................................................152
4.5 Surgeons’ Journals......................................................................161
4.6 Summary.........................................................................................168

Chapter 5: Surgeons, Physicians and Naval Personnel in the West Indies...........170
5.1 James Lind.........................................................................................171
5.2 Rear-Admiral Robert Man.............................................................178
5.3 Admiral Sir George Rodney & Sir Gilbert Blane.....................181
5.4 Leonard Gillespie...........................................................................192
5.5 Thomas Trotter...........................................................................195
5.6 William Smellie Forbes...............................................................196
5.7 Summary.........................................................................................201

Chapter 6: Development of Hospitals in the West Indies...............................204
6.1 Jamaica Hospital.............................................................................206
6.2 Barbados Hospital..........................................................................223
6.3 St Lucia, Martinique and Cuba Facilities.................................233
6.4 Summary.........................................................................................240

Chapter 7: Antigua Naval Hospital: A Case Study........................................242
7.1 Antigua Sick Quarters System.....................................................243
7.2 Pre-American War of Independence.........................................248
7.3 Erection of a Permanent Naval Hospital................................271
7.4 Summary.........................................................................................275

Conclusion..................................................................................................277

Appendix 1: Map of the West Indies..........................................................287
Appendix 3: Daily Allowance of Provisions for each man in the Navy........296
Appendix 4: Instructions for Issuing Portable Soup..................................297
Appendix 5: Seamen Voted by Parliament and number sent Sick on Shore...298
Appendix 6: Sickness & Mortality Figures on board ships on the Leeward Islands and Jamaica stations 1773, 1778, 1783, 1788, 1790, 1793, 1794, 1798, and 1803........................................................................299
Appendix 7: Contract between the Sick and Hurt Board and Henry Lascelles dated 1744..................................................................................329
Appendix 8: Estimate for Erection of a Hospital at Barbados................331

Bibliography..............................................................................................332
List of Figures

0.1 – Islands of the Caribbean 1779.................................................................10
1.1 – The Layout of the Markham Sick Berth...................................................50
2.1 – Cartoon Depicting the Debacle of the Walcheren Expedition..................72
2.2 – Person Suffering from Dropsy................................................................84
3.1 – Tablet of Portable Soup with Admiralty Stamp.........................................97
3.2 – Packet of Dr James’s Fever Powder..........................................................106
3.3 – Truss for Treating Ruptures.....................................................................116
3.4 – Truss Shown on the Body.........................................................................117
4.1 – Muster Book from HMS Solitaire on the Leeward Islands Station, 1783....136
6.1 – Map of Jamaica..........................................................................................208
6.2 – Sick and Hurt Board Plan for Port Royal Hospital, August 1756.............215
6.3 – Map of Barbados.......................................................................................225
6.4 – Map of St Lucia........................................................................................234
6.5 – Map of Martinique....................................................................................236
7.1 – Map of Antigua..........................................................................................243
7.2 – Proposed layout of Antigua Hospital, 1773.................................................262
7.3 – Proposed Ward, Surgeon’s House and Dispenser’s House, 1773.............263
7.4 – Two Proposed Locations for the Naval Hospital at Antigua, 1772.........265
7.5 – Ten Acres Allocated for the New Hospital at English Harbour..............272

List of Tables

0.1 – Value of Imports and Exports in the West Indies, 1756-1806.................14
1.1 – Clerk Salaries in 1799 According to the Sick and Hurt Board..................36
1.2 – Proportion of Men Sent Sick to Hospital from Ships, 1778-1806.............41
1.3 – List of Instruments in a Surgeon’s Chest, 1812........................................44
4.1 – Average Number of Seamen in the West Indies, 1773-1803....................138
4.2 – Percentage of Overall Sickness on board ships in the West Indies, 1773-1803......139
4.3 – Percentage of Overall Mortality in the West Indies, 1773-1803...............140
4.4 – State of His Majesty’s Ships at English Harbour Antigua, 24 August 1769....143
4.5 – Total Percentage of Sick Men from Leeward Islands and Jamaica, 1773-1803.145
4.6 – Total Percentage of Dead Men from Leeward Islands and Jamaica, 1773-1803...146
4.7 – Total Percentage of Sickness and Mortality from Leeward Islands and Jamaica, 1794....147
4.8 – Highest Level of Sickness on board Ships at Leeward Island and Jamaica, 1793...153
4.9 – Highest Level of Mortality on board Ships at Leeward Island and Jamaica, 1793...154
4.10 – Highest Level of Sickness on board Ships at Leeward Island and Jamaica, 1798...155
4.11 – Health of Jamaica Squadron inspected between the 5 and 10 December 1801.............156
4.12 – Percentage of Sick Seamen on board ships in the Leeward Islands, January 1803......157
4.13 – Sickness Levels on board the Unhealthiest Ships in the Leeward Islands, 1803........158
4.14 – Summary of the Sick List from Amelia from 14 October 1804 – 2 February 1805......160
4.15 – Seamen on the Sick List on board Arab from 27 March 1799 – 27 March 1800........163
4.16 – Seamen on the Sick List on board Blenheim from 20 May 1802 – 7 March 1804......165
5.1 – Rear Admirals Sickness Figures from English Harbour 24 August 1969.....................178
6.1 – Comparison of Sick Men Sent Ashore at Jamaica Hospitals in 1743 and 1744........210
6.2 – Comparison of Average Number of Men Sent to Port Royal Hospital versus the
Average Number of Men on Station, 1793-1806..........................................................221
6.3 – Breakdown of Diseases Afflicting Men at Port Royal Hospital, 1793-1806............222
6.4 – Percentage of Men Discharged, Invalided, Dead, Run & Remaining at
Port Royal Hospital, 1793-1806...............................................................................223
6.5 – Number of Sick Men Sent Ashore at Barbados, 1764-1773.................................226
6.6 – Total Number of Men Sent Ashore at Barbados, 1795-1806.............................231
6.7 – Breakdown of Diseases Afflicting Men at Barbados Hospital, 1795-1806.............232
6.8 – Percentage of Men Discharged, Invalided, Dead, Run & Remaining at Barbados
Hospital, 1795-1806.........................................................................................233
7.1 – Inventory of supplies and necessaries at Antigua hospital, January 1772..............254
7.2 – Comparison of Hospital Surgeon’s Expenditures at Antigua and Jamaica,
1768-1771........................................................................................................257
7.3 – Consumption of Peruvian Bark, Lint and Tow at Antigua Hospital,
January 1768 – June 1772..................................................................................259
7.4 – Expenditure for Peruvian Bark, Lint and Tow at Antigua Hospital,
January 1768 – June 1772..................................................................................259
7.5 – Amount of Rainwater Proposed to be Collected at Antigua Hospital..................263
7.6 – Estimate of the Erection of a naval hospital at Antigua, 1772..............................264
7.7 – Number of Sick Men at Antigua Hospital, 1791-1793.........................................273
7.8 – Number of Seamen Discharged, Dead or Deserted from Antigua Hospital,
1791-1794........................................................................................................273
7.9 – Breakdown of Diseases Afflicting Men at Antigua Hospital, 1794-1806..............274
7.10 – Number of Seamen Discharged, Dead or Deserted from Antigua Hospital,
1794-1806........................................................................................................275