

TABLE OF CONTENTS

List of Figures	viii
List of Tables	ix
List of Acronyms and Abbreviations	x
Abstract	xii
 I. INTRODUCTION	 1
 II. BACKGROUND	 15
 III. RECENT HISTORY OF DEGLACIATION ON THE TROPICAL QUELCCAYA ICE CAP, PERU	 31
 IV. MEASURING MASS BALANCE ON THE GREENLAND ICE SHEET	 51
 V. MODELING MASS BALANCE ON ICE SHEETS	 70
 VI. SUMMARY AND FUTURE WORK	 114
 REFERENCES	 117
 BIOGRAPHICAL SKETCH	 142