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Altri autori (Persone)	FrajzyngierZygmunt ShayErin SeibertUwe <1963->
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Nota di contenuto	Motion, Direction and Location in Languages; Editorial page; Title page; Copyright page; Table of contents; DEDICATION; EDITORS' INTRODUCTION; Zygmunt Frajzyngier *April 3, 1938; ZYGMUNT FRAJZYNGIER'S CONTRIBUTIONS TO THE STUDY OF LANGUAGE STRUCTURE; THE MYTH OF DOUBLY GOVERNING PREPOSITIONS IN GERMAN; LOCALISATION ET MOUVEMENT DANS LE SYNTAGME VERBAL DU GROUPE TCHADIQUE CENTRAL; LEFT, RIGHT, AND THE CARDINAL DIRECTIONS SOME THOUGHTS ON CONSISTENCY AND USAGE; LOCATION AND DIRECTION IN KLAMATH; LOCATIVES AS CORE CONSTITUENTS 'COME' AND 'GO' AS DISCOURSE CONNECTORS IN KERA AND OTHER CHADIC LANGUAGES ALTRILOCALITY IN TANGALE AND TUAREG: A COMMON HERITAGE FEATURE?; LOCATION AND MOTION IN !XUN (NAMIBIA); DIRECTIONALITY AND DISPLACED DIRECTIONALITY IN

TOQABAQITA; MOTION, DIRECTION AND SPATIAL CONFIGURATION: A LEXICAL SEMANTIC STUDY OF 'HANG' VERBS IN MANDARIN; CODING LOCATION, MOTION AND DIRECTION IN OLD BABYLONIAN AKKADIAN; MOTIONEVENTS IN CHANTYAL; LOCATIVE PREPOSITIONS IN CHADIC: LEXICAL OR GRAMMATICAL MORPHEMES; TWO LAKHOTA LOCATIVES AND THE ROLE OF INTROSPECTION IN LINGUISTIC ANALYSIS; DIRECTIONAL VERBS IN JAPANESE  
L'ENCODAGE DE LA LOCALISATION, DE LA DIRECTION ET DU MOUVEMENT DANS LES LANGUES « KOTOKO » DU CAMEROUNIndex

**Sommario/riassunto**

This book contributes to an area of study that is of interest to linguists of all backgrounds. Typological in nature this volume presents data analysis from the major language families of Africa as well as Sino-Tibetan, Austronesian, Japanese, Indo-European, Siouan and Penutian. The 16 contributors to the volume share a commitment to examining the language phenomena pertaining to the volume's theme with a fresh eye. While most of the papers make reference to existing theoretical frameworks, each also makes a novel and sometimes surprising contribution to the body of knowledge and theory concer

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**Autore** Weeks W. F

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**Nota di contenuto** Contents; Preface; About This Book; Acknowledgments; Figure Sources; 1. Introduction; 2. Historical Background; 2.1 Introduction; 2.2 Some

Ancient History; 2.3 The 19th Century; 2.4 The 20th Century; 3. The Ocean Setting; 3.1 Topography; 3.2 Hydrology; 3.3 Currents; 3.4 Water Masses; 4. An Introduction to Sea Ice Growth; 4.1 A Growth Model; 4.2 Multiyear Ice; 5. Components; 5.1 Water; 5.2 Seawater and Brine; 5.3 Ice; 5.4 Solid Salts; 6. The Phase Diagram; 6.1 Fundamentals; 6.2 Experiments and Analysis; 6.3 Questions; 7. Sea Ice Structure; 7.1 Environmental Pathways and Terminology  
7.2 First-Year Ice  
7.3 Old Ice; 7.4 Reality; 8. Sea Ice Salinity; 8.1 Introduction; 8.2 Observations; 8.3 Mechanisms; 8.4 Theories; 8.5 Inclusion Geometry; 9. Sea Ice Growth: The Details; 9.1 Introduction; 9.2 A Thin FY Ice Model; 9.3 A Thick Ice Model; 9.4 Further Efforts; 10. Properties; 10.1 Density; 10.2 Gas Content and Composition; 10.3 Thermal Properties; 10.4 Mechanical Properties; 10.5 Electromagnetic Properties; 10.6 Concluding Remarks; 11. Polynyas and Leads; 11.1 Introduction; 11.2 Polynyas; 11.3 Leads; 12. Deformation; 12.1 Introduction; 12.2 Terminology; 12.3 Field Observations  
12.4 Properties of Individual Ridges  
12.5 Remote Profiling; 12.6 Models; 12.7 Conclusions; 13. Sea Ice-Seafloor Interactions; 13.1 Introduction; 13.2 Observational Methods; 13.3 Results; 13.4 Applications; 14. Marginal Ice Zone; 14.1 General Characteristics; 14.2 Regional Characteristics; 14.3 Wave-Ice Interactions; 14.4 Ice-Edge Bands; 14.5 Conclusions; 15. Snow; 15.1 Arctic; 15.2 Antarctic; 15.3 Conclusions; 16. Ice Dynamics; 16.1 Some Background; 16.2 Observations of Sea Ice Motion and Deformation; 16.3 Stress Measurements; 16.4 Modeling Sea Ice Drift and Deformation; 16.5 Sea Ice Mechanics  
16.6 Ice Thickness Distribution Theory  
16.7 Simulations of the Evolution of Sea Ice; 16.8 Concluding Remarks; 17. Underwater Ice; 17.1 Introduction; 17.2 Platelet Ice; 17.3 Marine Ice; 17.4 Anchor Ice; 17.5 Conclusions; 18. Trends; 18.1 Introduction; 18.2 Arctic; 18.3 Antarctic; 18.4 Causes and Predictions; 19. Conclusions; Appendix A: Symbols; Appendix B: Acronyms & Abbreviations; Appendix C: Terminology & Glossary; Appendix D: Sampling; Appendix E: Thin Sections; Appendix F: Remote Sensing; Bibliography; Index

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## Sommario/riassunto

Covering more than seven percent of the earth's surface, sea ice is crucial to the functioning of the biosphere-and is a key component in our attempts to understand and combat climate change. With *On Sea Ice*, geophysicist W. F. Weeks delivers a natural history of sea ice, a fully comprehensive and up-to-date account of our knowledge of its creation, change, and function. The volume begins with the earliest recorded observations of sea ice, from 350 BC, but the majority of its information is drawn from the period after 1950, when detailed study of sea ice became widespread. Weeks de

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