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1899 Yakutat Bay EarthquakesYakataga Fold-and-Thrust Belt: Structural Geometry and Tectonic Implications of a Small Continental Collision Zone; Identifying Active Structures in the Kayak Island and Pamplona Zones: Implications for Offshore Tectonics of the Yakutat Microplate; Section IV: Deformation Inboard of the Plate Boundary; Neogene Exhumation of the Tordrillo Mountains, Alaska, and Correlations With Denali (Mount McKinley) Does a Boundary of the Wrangell Block Extend Through Southern Cook Inlet and Shelikof Strait, Alaska?Section V: Integrative Models, Stress Transfer, and Seismic Hazards; Tectonics, Dynamics, and Seismic Hazard in the Canada-Alaska Cordillera; Contemporary Fault Mechanics in Southern Alaska; Orogenesis From Subducting Thick Crust and Evidence From Alaska; Stress Map for Alaska From Earthquake Focal Mechanisms; Rapid Ice Mass Loss: Does It Have an Influence on Earthquake Occurrence in Southern Alaska?; Challenges in Making a Seismic Hazard Map for Alaska and the Aleutians Toward a Time-Dependent Probabilistic Seismic Hazard Analysis for AlaskaFault Interaction in Alaska: Static Coulomb Stress Transfer; Index

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**Sommario/riassunto**

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Published by the American Geophysical Union as part of the Geophysical Monograph Series, Volume 179. This multidisciplinary monograph provides the first modern integrative summary focused on the most spectacular active tectonic systems in North America. Encompassing seismology, tectonics, geology, and geodesy, it includes papers that summarize the state of knowledge, including background material for those unfamiliar with the region; address global hypotheses using data from Alaska; and test important global hypotheses using data from this region. It is organized around fo

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