

CONTENTS

Papers

Technology Evolution and Advances in Fisheries Acoustics	Dezhang Chu	245
Diel Distribution and Movement of Sound Scattering Layer in Kuroshio Waters, Northeastern Taiwan		
..... Ming-An Lee, Ming-Hsiu Chao, Jinn-Shing Weng, Yang-Chi Lan, and Hsueh-Jung Lu		253
Echo Integration Near the Seabed	Masahiko Furusawa	259
Effect of Depth-Dependent Target Strength on Biomass Estimation of Japanese Anchovy		
..... Hiroto Murase, Atsushi Kawabata, Hiroshi Kubota, Masayasu Nakagami,		
..... Kazuo Amakasu, Koki Abe, Kazushi Miyashita, and Yoshioki Oozeki		267
Fish Acoustics: Physics-Based Modeling and Measurement	Davis Benjamin Reeder	273
Vertical Distribution of Walleye Pollock Juveniles before and after the Period of Transition for Feeding in Funka Bay, Hokkaido, Japan	Yohei Kawauchi, Osamu Shida, Hiroya Okumura, Naoki Tojo,	
..... Hiroki Yasuma, and Kazushi Miyashita		279
Measurement and Modeling of Three Dimensional Target Strength of Fish for Horizontal Scanning Sonar	Muhammad Kurnia, Kohji Iida, and Tohru Mukai	287
Spatial Estimation of Euphausiid Biomass Along the Pacific Coast of Eastern Hokkaido, Japan in Early Summer of 2008	Naoki Tojo, Kenji Minami, Ryuichi Matsukura, Yohei Kawauchi,	
..... Tetsuichiro Funamoto, Masayuki Chimura, Akira Nishimura, and Kazushi Miyashita		294
<i>In situ</i> and <i>Ex situ</i> Target Strength Measurement of Mesopelagic Lanternfish, <i>Diaphus theta</i> (Family Myctophidae)	Kouichi Sawada, Kazuhisa Uchikawa, Tomohiko Matsuura,	
..... Hiroya Sugisaki, Kazuo Amakasu, and Koki Abe		302
Analysis of the ME70 Multibeam Echosounder Data in Echoview – Current Capability and Future Directions	Myounghee Kang	312
An Alignment Approach to Identify Fish with Encoding Hydroacoustic Signal to Acoustics Alphabet Sequences	Shih-Yen Ku, Hsueh-Jung Lu, Chi-Ting Tseng, Ker-Chau Li, and Long-Jin Wu	322