

Index to Volume IX.

Articles.

Awerinzew, S. Über die Verteilung von <i>Mallotus villosus</i> im Barentsmeer	79
Buch, Kurt, und Charley Gustafsson. Der Salz- und Temperaturfehler von Thymolblau	173
Bückmann, A. Die Hauptlinien der internationalen Schollenuntersuchungen der letzten Jahre	309
de Buen, Fernando. Estudios raciales basados en el número de vértebras en la sardina, <i>Sardina pilchardus</i> (Walb.)	339
Butcher, R. W. Zostera. Report on the Present Condition of Eel Grass on the Coasts of England, based on a Survey during August to October 1935	49
Dixon, Boris. The Age and Growth of Salmon Caught in the Polish Baltic in the Years 1931—1933	66
Edser, T., and S. H. Crouchen. Observations on the Accuracy of the Collection of Fishery Statistics	83
Fraser-Brunner, A. An Arrangement of Nets for Capturing Small Oceanic Fishes	46
Graham, Michael. The North Sea Cod	159
Kramp, P. L. An Exceptional Occurrence of <i>Rhizostoma octopus</i> and <i>Chrysaora hysoscella</i> in the Danish Waters in 1933	211
Lewis, H. Mabel. The Physical and Chemical Oceanography of the Irish Sea. A Bibliography	87
Lissner, H. On Races of Herrings	346
Mohr, Erna W. Bibliographie der Alters- und Wachstums-Bestimmung bei Fischen. III. Nachträge und Fortsetzung	377
Nesbit, Robert A. A Convenient Method for Preparing Celluloid Impressions of Fish Scales	373
Van Oosten, John, H. J. Deason and Frank W. Jobes. A Microprojection Machine Designed for the Study of Fish Scales	241
Raitt, D. S. A Preliminary Account of the Sandeels of Scottish Waters	365
Rallier du Baty, R. Montagnes et Vallées Sous-Marines du Golfe de Gascogne	181
Redeke, H. C. On the Occurrence of two Pelagic Copepods, <i>Acartia bifilosa</i> and <i>Acartia tonsa</i> , in the Brackish Waters of the Netherlands	39
Robinson, Rex J., and Henry E. Wirth. Report on the Free Ammonia, Albuminoid Nitrogen and Organic Nitrogen in the Waters of the Puget Sound Area, during the Summers of 1931 and 1932	15
Robinson, Rex J., and Henry E. Wirth. Free Ammonia, Albuminoid Nitrogen, and Organic Nitrogen in the Waters of the Pacific Ocean off the Coasts of Washington and Vancouver Island	187
Savage, R. E., and W. C. Hodgson. Lunar Influence on the East Anglian Herring Fishery	225
Thomas, Bertram D., with Thomas G. Thompson and Clinton L. Utterback. The Electrical Conductivity of Sea Water	28
Utterback, C. L., Thomas G. Thompson and Bertram D. Thomas. Refractivity-Chlorinity-Temperature Relationships of Ocean Waters	35
Utterback, C. L., and Wilhelm Jorgensen. Absorption of Daylight in the North Pacific Ocean	197

Reviews.

Bajarunass, E. Zur Frage über die Bestimmung des Chlorkoeffizienten im Wasser des Schwarzen Meeres. Reviewed by A. L. Behning..	138
Benecke, W. Bakteriologie des Meeres. Reviewed by S. A. Wakeman	133
Bond, R. M. A Contribution to the Study of the Natural Food-Cycle in Aquatic Environments, with particular consideration of micro-organisms and dissolved organic matter. Reviewed by C. M. Yonge	134
Brandt, K., und J. Reibisch. Der Stoffhaushalt im Meere. Reviewed by J. Reibisch	131
Broch, H. Über einige geographisch interessanten Fundstellen von Alcyonarien und Hydrokorallen im nördlichen Stillen Ozean. Reviewed by A. L. Behning	136
Brudewicz, S. W., und N. P. Karpova. Abhängigkeit des pH von der Temperatur in Pufferlösungen. Reviewed by K. Buch.....	99
Buch, K. Hydrografisk-kemiska studier uti Petsamofjorden jämte angränsande delar av Barentshavet. Reviewed by H. Wattenberg	100
Buchanan-Wollaston, H. J. Inshore Trawl Fisheries of Dorset and Devon. Report on Researches carried out between 1924 and 1929 from Poole, Dorset, and Beer, Devon, with Recommendations bearing on Protective Legislation. Reviewed by G. Gilson.....	278
Cooper, L. H. N. Chemical Constituents of Biological Importance in the English Channel. Pt. III. June—December, 1932. Phosphate, Silicate, Nitrite, Hydrogen-Ion Concentration, with a Comparison with Wind Records. Reviewed by H. Wattenberg.....	266
Dannevig, Alf. On the Age and Growth of the Cod (<i>Gadus callarias</i> L.) from the Norwegian Skagerrack Coast. Reviewed by M. Graham le Danois, E. Les transgressions océaniques. Reviewed by John B. Tait	125
Deacon, G. E. R. A general account of the hydrology of the South Atlantic Ocean. Reviewed by G. Böhnecke	399
Eggvin, J. Vestfjorden. Reviewed by Michael Graham	398
Ekman, V. W. Studien zur Dynamik der Meereströmungen. Reviewed by H. Thorade	418
Fage, L. Pêches planctoniques à la lumière, effectuées à Banyuls-sur-Mer et à Concarneau. III. Crustacés. Reviewed by A. C. Gardiner	108
Ford, E. An Account of the Herring Investigations conducted at Plymouth during the Years from 1924—1933. Reviewed by W. Schнакенбек	416
Freundler, M. P. et Mme M. Guaisnet-Pilaud. Sur l'eau normale méditerranéenne. Reviewed by Bruno Schulz	274
Gaarder, T. Untersuchungen über Produktions- und Lebensbedingungen in norwegischen Austern-Pollen. Reviewed by R. Kändler	101
Gaarder, T. und R. Spärck. Hydrographisch-biochemische Untersuchungen in norwegischen Austern-Pollen. Reviewed by R. Kändler	112
Gibbons, S. G. A Study of the Biology of <i>Calanus finmarchicus</i> in the North-Western North Sea. Reviewed by E. Hentschel.....	109
Gurjanowa, Eu. F. Contribution to the Isopoda fauna of the Pacific Ocean. Reviewed by A. L. Behning.....	267
Hart, T. J. On the Phytoplankton of the South-West Atlantic and the Bellingshausen Sea, 1929—31. Reviewed by E. Hentschel	136
Harvey, H. W. On the rate of diatom growth. Reviewed by S. M. Marshall	409
Havinga, B. Austern- und Muschelkultur. Reviewed by H. P. Sherwood	114
Hecht, F. Der Verbleib der organischen Substanz der Tiere bei meerischer Einbettung. Reviewed by O. Pratje	286
Hentschel, E. Untersuchungen über das Kleinplankton an den Küsten von Island. Reviewed by M. V. Lebour	271
	115

Hjort, J. and Collaborators. Essays on Population. Reviewed by H. J. Buchanan-Wollaston	119
Iljin, B. S. Biocoenose des halistatischen Gebiets des Schwarzen Meeres. Reviewed by A. L. Behning	157
Iversen, T. Some Observations on Cod in Northern Waters. Preliminary Report. Reviewed by Michael Graham	418
Jagudina, S. I. Dynamik des Fischfangs am Aralsee in den Jahren 1929 bis 1931. Reviewed by A. L. Behning	136
Jensen, A. J. C. Periodic Fluctuations in the Size of Various Stocks of Fish and their Causes. Reviewed by A. Bückmann	280
Jorgensen, O. M. On the Marine Cladocera from the Northumbrian Plankton. Reviewed by R. S. Wimpenny	268
Kalle, K. Phosphat und Gesamtphosphor in Beziehung zu Temperatur, Salzgehalt und Plankton an der Oberfläche der isländischen Küstengewässer. Reviewed by L. H. N. Cooper	99
Kalle, K. Meereskundliche chemische Untersuchungen mit Hilfe des Zeiss'schen Pulfrich-Photometers. III. Mitteilung. Methodische Untersuchung der Phosphatgehaltsbestimmung. Reviewed by L. H. N. Cooper	404
Klem, A. Contributions to the study of the oils of marine crustacea. I. The oils of <i>Meganyctiphanes norvegica</i> M. Sars and <i>Calanus finmarchicus</i> Gunn. Reviewed by R. S. Wimpenny	269
Klevenhusen, W. Die Bevölkerung des Südatlantischen Ozeans mit Corycaeen. Reviewed by G. P. Farran	116
Knipowitsch, N. M. Hydrologische Untersuchungen im Asowschen Meere. Reviewed by A. L. Behning	138
Krebs, E. and M. Osadchih. The Organic Phosphorus in the Sea. Reviewed by H. Wattendorf	265
Kuckuck, P. Der Strandwanderer. Die wichtigsten Strandpflanzen, Meeresalgen und Seetiere der Nord- und Ostsee. Reviewed by E. S. Russell	152
Losina-Losinsky, L. K. Die Pantopoden der östlichen Meere der USSR. Reviewed by A. L. Behning	155
Lüders, K. Sediment und Strömung. Reviewed by J. N. Carruthers	405
Lüders, K. Unmittelbare Sandwanderungsmessung auf dem Meeresboden. Reviewed by J. N. Carruthers	405
Markun, M. I. Die Aralsee-Barbe, ihre Systematik und Biologie. Reviewed by A. L. Behning	156
Marshall, S. M. On the Biology of <i>Calanus finmarchicus</i> . II. Seasonal Variations in the Size of <i>Calanus finmarchicus</i> in the Clyde Sea-Area. Reviewed by A. C. Gardiner	117
Meyer, Karl. Die geographische Verbreitung der tripyleen Radiolarien des Südatlantischen Ozeans. Reviewed by H. E. Bargmann	412
Meyer, P. F. Ein Beitrag zur Eiablage der Nordseekrabbe (Granat) <i>Crangon vulgaris</i> Fabr. Reviewed by B. Havinga	425
Ministerio dell'Agricoltura e delle Foreste. La Pesca nei Mari e nelle Acque Interne d'Italia. Reviewed by A. Creswell	419
Moore, H. B. Faecal pellets from marine deposits. Reviewed by A. Hagemeyer	271
Möller, L. Methodische Untersuchungen und Neubestimmungen der Konstanten des Meerwassers. Reviewed by J. P. Jacobsen	262
Newfoundland Fishery Research Commission. Annual Report for 1952. Reviewed by M. Graham	124
Nicholls, A. G. On the Biology of <i>Calanus finmarchicus</i> . I. Reproduction and Seasonal Distribution in the Clyde Sea-Area during 1952. III. Vertical Distribution and Diurnal Migration in the Clyde Sea Area. Reviewed by A. C. Gardiner	117
Nomitsu, Takaharu. A Theory of the Rising Stage of Drift Current in the Ocean. I. The Case of No Bottom-Current; II. The Case of No Bottom-Friction. Reviewed by E. Palmén	106

Nomitsu, Takaharu. On the Development of the Slope Current and the Barometric Current in the Ocean. I. The Case of No Bottom-Current. Reviewed by E. Palmén	107
Nomitsu, Takaharu. On the Density Current in the Ocean. I. The Case of No Bottom-Current. Reviewed by E. Palmén	107
Nomitsu, T. On the Density Current in the Ocean. II. Reviewed by J. E. Fjeldstad	403
Nomitsu, T. and T. Takegami. On the Density Current in the Ocean. III. Reviewed by J. E. Fjeldstad	403
Nomitsu, T. and T. Takegami. A Theory of the Rising Stage of Drift Current in the Ocean. III. Reviewed by J. E. Fjeldstad	402
Nomitsu, T. and T. Takegami. On the Development of the Slope Current and the Barometric Current in the Ocean. II. Reviewed by J. E. Fjeldstad	402
Norman, J. R. A Systematic Monograph of the Flatfishes (Heterosomata). Vol. I. Psettodidae, Bothidae, Pleuronectidae. Reviewed by W. Schnakenbeck	426
Okada, M. and K. Miyosi. Experimental Studies of the Water Movement in Coastal Regions of the Sea. I. Tidal Oscillations in Sagami Bay. Reviewed by R. H. Corkan	407
Orton, J. H. Observations and experiments on sex-change in the European oyster (<i>O. edulis</i>). Part III. On the fate of unspawned ova. Part IV. On the change from male to female. Reviewed by R. Spärck	424
Parr, A. E. A Geographic Ecological Analysis of the Seasonal Changes in Temperature Conditions in Shallow Water along the Atlantic Coast of the United States. Reviewed by C. Iselin	105
Pentelow, F. T. K., B. A. Southgate and R. Bassindale. I. Relation between the Size, Age and Time of Migration of Salmon and Sea Trout Smolts in the River Tees. II. The Proportion of the Sexes and the Food of Smolts of Salmon and Sea Trout in the Tees Estuary. Reviewed by R. Southern	283
Raitt, D. S. The Fecundity of the Haddock. Reviewed by C. F. Hickling	128
Retowski, L. Beobachtungen an marinem Kleingewässern der Murmanküste. Reviewed by A. L. Behning	137
van Riel, P. M. Surface temperature in the north-western part of the Atlantic Ocean. Reviewed by C. Iselin	259
Rollefsen, G. Skreiens alder. Reviewed by Michael Graham ..	418
Rollefsen, G. The Otoliths of the Cod. Reviewed by M. Graham ..	127
Rossby, C. G. A generalization of the theory of the mixing length with applications to atmospheric and oceanic turbulence. Reviewed by H. Ertel	401
Russell, E. S. The Behaviour of Animals: An Introduction to its Study. Reviewed by G. M. Spooner	429
Schulz, B. Bericht über die Fortschritte der Ozeanographie (1929—32). Reviewed by J. R. Lumby	262
Schumacher, A. Ozeanographie. Reviewed by D. J. Matthews ..	255
Sinova, E. S. Les algues de Kamtschatka. Reviewed by A. L. Behning	135
Southern, R. The Food and Growth of Brown Trout. Reviewed by F. T. K. Pentelow	286
Spiess, F. Das Forschungsschiff und seine Reise. Reviewed by D. J. Matthews	256
Spooner, G. M. Observations on the Reactions of Marine Plankton to Light. Reviewed by G. Fraenkel	408
Stenij, S. E. Zur Theorie der Wasserschwingungen in einem begrenzten Meeresbecken mit besonderer Berücksichtigung des Einflusses vom Luftdruck. Reviewed by H. Thorade	260

Stephen, A. C. Studies on the Scottish Marine Fauna: The Natural Faunistic Divisions of the North Sea as shown by the Quantitative Distribution of the Molluscs. Reviewed by H. Blegvad	414
Stephen, A. C. Studies on the Scottish Marine Fauna: Quantitative Distribution of the Echinoderms and the Natural Faunistic Divisions of the North Sea. Reviewed by H. Blegvad	414
Steven, G. A. Observations on the Growth of the Claspers and Cloaca in <i>Raja clavata</i> Linnaeus. Reviewed by J. R. Norman	423
Sund, O. Torskebestanden. Reviewed by Michael Graham ..	418
Sverdrup, H. U. On the vertical circulation in the Ocean due to the action of the wind with application to conditions within the Antarctic circumpolar current. Reviewed by G. Böhnecke	397
Sverdrup, H. U. and F. M. Soule. Scientific Results of the "Nautilus" Expedition 1931, under the command of Capt. Sir Hubert Wilkins. Part I — III. Reviewed by A. Schumacher	257
Tesch, J. J. und J. de Veen. Die Niederländische Seefischerei. Reviewed by J. T. Jenkins	129
Thiemann, K. Das Plankton der Flussmündungen. Reviewed by M. V. Lebour	411
Thorade, H. Methoden zum Studium der Meereströmungen. Reviewed by H. U. Sverdrup	261
Thursby-Pelham, D. E. Report on the English Plaice Investigations during the Years 1926 to 1930. Reviewed by Age J. C. Jensen ..	277
Uhl, G. F. Zur Frage über die Navigationsklassifikation der Küstenseebeden. Reviewed by A. L. Behning	137
Wattenberg, H. Das chemische Beobachtungsmaterial und seine Gewinnung. Kalziumkarbonat- und Kohlensäuregehalt des Meerwassers. Reviewed by L. H. N. Cooper	263
Willer, A. Untersuchungen über das Wachstum von Fischen. V. Untersuchungen über Wachstumsbeeinflussung bei Bachforellenbrut durch Änderungen des Sauerstoffgehaltes des Bruttwassers. Reviewed by F. T. K. Pentelow	150
Wimpenny, R. S. Variations in North Sea Plankton 1925—24. Reviewed by E. Hentschel	266
Wright, F. S. Report of Investigations into the past and present condition of the Natural Oyster Beds of South Wales including a brief account of experimental work undertaken towards the improvement of the oyster fishery. Reviewed by J. H. Orton ..	273
Wüst, Georg. Das Bodenwasser und die Gliederung der Atlantischen Tiefsee. Reviewed by V. W. Ekman	102

Notes and Correspondence.

Obituary Notice:—	
Wilhelm Walter Otto Mielck (1878—1953) by A. Hagmeier	5
Note:—	
Organization of Fishery Research in the U.S.S.R. B. Ilyin	392
Correspondence:—	
Plymouth Sagitta; F. S. Russell	95
Migration of Fishes; W. J. M. Menzies and Louis Roule	94
Letter to the Editor by Per Ottestad	249
Letter to the Editor by H. J. Buchanan-Wollaston	394

Current Bibliography.

Current Bibliography prepared by the Editor with the assistance of Miss Thursby-Pelham	140, 289 and 452
--	------------------