



Digitalization sponsored
by Thünen-Institut

PUBLICATIONS OF INTEREST TO THE MARICULTURE COMMITTEE

1981

Finland.....	page	2
France.....	"	2
Federal Republic of Germany.....	"	3
Norway.....	"	6
Portugal.....	"	9
USSR.....	"	9

FINLAND

LEHTONEN, H. 1981: Biology and stock assessments of Coregonids by the Baltic coasts of Finland. - Finnish Fish. Res. 3:31-83.

MÖNÖNEN, J., TOIVONEN, J., IKONEN, E. & PELKONEN, J. 1981: Saaristomeren meritaimensaalis 1978. (Catch of sea trout (*Salmo trutta* L.) in the Archipelago Sea in 1978.) - Riista- ja kalatalouden tutkimuslaitos, Tiedonantoja 17:72-90.

FRANCE

BERTHOMÉ, J.P., RAZET, D. et CARNIER, J., 1981 - Description, évolution et importance des différentes techniques de captage en rivière Seudre (bassin de Marennes-Oléron) : incidence sur la production d'huîtres creuses C. gigas. ICES, C.M. 1981/K : 30.

COMPS, M., PICHOT, Y. et DELTREIL, J.P., 1979 - Mise en évidence d'une microsporidie parasite de Marteilia refringens agent de la maladie de la glande digestive de Ostrea edulis L.. Rev. Trav. Inst. Pêches marit., 43 (4). p : 409-412.

DUFORT, M., 1980 - Altérations des ovocytes de Mytilus edulis, L. à cause de l'infestation de la moule par Mytilicola intestinalis, Steur. HALIOTIS, 1980, Vol. 10, n° 2, p : 163.

GRAS, M.P. et GRAS, P., 1981 - Aquaculture de bivalves en claires dans le bassin de Marennes-Oléron. Sc. et Pêche, Bull. Inst. Pêches marit., n° 31.

BÉRAL, M., BERTHOMÉ, J.P., POLANCO TORRES, E., ALZIEU, C., DELOUS-PAOLI, J.M., RAZET, D. et CARNIER, J., 1981 - Anomalies de croissance de la coquille Crassostrea gigas dans le bassin de Marennes-Oléron - Bilan de trois années d'observation. ICES, C.M. 1981/K : 31.

JOÏY, J.P. et COMPS, M., 1980 - Etude d'un micro-organisme de type chlamydien chez la palourde Ruditapes decussatus L., Rev. Trav. Inst. Pêches marit. 44 (3). p : 285-288.

- LAGARDERE, J.P. et SPERANDIO, M., 1981 - Influence du niveau sonore de bruit ambiant sur la croissance de la crevette Crangon crangon (Linné, 1758). Résultats préliminaires. Aquaculture, Vol. 24, N°s 1,2. pp : 77-90.
- LE PENNEC, M., 1981 - Les méthodes expérimentales induisant la ponte chez les mollusques bivalves marins. HALIOTIS, 1981, Vol. 11, p : 139-156.
- LUBET, P., GIMAZANE, J.P. et PRUNUS, G., 1981 - Etude du cycle de reproduction de Mytilus galloprovincialis (LTK) (Mol. Lamellibranche) à la limite méridionale de son aire de répartition. Comparaison avec les autres secteurs de cette aire. HALIOTIS, 1981, Vol. 11, p : 157-170.
- LUCAS, A. et RANCEL, C., 1981 - Vitesses d'ingestion et de digestion du phytoplancton observées au microscope à épifluorescence chez les larves de Mytilus edulis (L.) (Bivalvia, Mollusca). HALIOTIS, 1981, Vol. 11, p : 171.
- PEYRE, R., ZANETTE, Y. et HERAL, M., 1980 - Elevage de palourdes sous filet en milieu fermé. Sc. et Pêche, Bull. Inst. Pêches marit., n° 307, p : 15-18.
- FICHOT, Y., COMPS, M. et DELTREIL, J.P., 1979 - Recherches sur Haplosporidium sp. (haplosporida - haplosporidiidae), parasite de l'huître plate Ostrea edulis L., Rev. Trav. Inst. Pêches marit., 43 (4). p : 405-408.
- TIGE, G., CRIZEL, H., MARTIN, A.G., LANGLADE, A. et RABOUIN, M.A., 1981 - Situation épidémiologique consécutive à la présence du parasite Ronamia ostreae en Bretagne. Evolution au cours de l'année 1980. Sc. et Pêche, Bull. Inst. Pêches marit., n° 315, p : 13-20.
- An. 1981 - L'activité de l'Institut des Pêches en 1980. Principales actions en matière de pêche et de cultures marines. Sc. et Pêches, 1981, n° 316. p : 1-47.

FEDERAL REPUBLIC OF GERMANY

- Gropp, J.; Tiews, K.: Aspects of fish nutrition research in aquaculture. 1981 European Mariculture Soc., Spec. Publ. 6: 37-48
- Gropp, J.; Schwalb-Bühling, A.; Tiews, K.; Koops, H.: Zur Verwendung von Borstenmehl und Klärschlamm im Forellenfutter. 1981 Inf. Fischw. 28 (3): 104-105
- Hilge, V.: Erfahrungen bei der Intensivzucht mit dem amerikanischen Katzenwels (Ictalurus punctatus). 1981 Arb. Dt. Fisch.-Verb. 30: 99-108

- Hilge, V.: Some aspects on recent developments in the research on fish reproduction. EMS Spec. Publ. 6: 229-235
1981
- Hilge, V.: Rearing of channel catfish (Ictalurus punctatus Raf.) in a closed warm water system. In: Proc. World Symp. on Aquaculture in Heated Effluents and Recirculation Systems (Ed.: K. Tiews): 177-184, Vol. II, 1981. Schriften der BFA für Fischerei, 17
1981
- Hilge, V.: Eine Methode zur CSB-Schnellbestimmung von Fischwässern. ;
1981 Infn Fischw. 28 (5/6): 184-186
- Hilge, V.; Delventhal, H.; Klinger, H.: Influences of heated, recirculate water and heated well water on several physiological and hematological parameters of channel catfish (Ictalurus punctatus Raf.) reared at two stocking densities. In: Proc. World Symp. on Aquaculture in Heated Effluents and Recirculation Systems (Ed.: K. Tiews): 185-190, Vol. II, 1981. Schriften der BFA für Fischerei 17
1981
- Hilge, V.; Klinger, H.; Delventhal, H.: Wasserqualität und Besatzdichte als Stressoren beim channel catfish (Ictalurus punctatus Raf.)
1981 Infn Fischw. 28 (3): 105-107
- Hilge, V.: in: Nellen, W.; Hilge, V.; Menzel, U.; Neumann, U.;
1981 Pund, R.: Ergebnisse zu Abwachsversuchen mit Karpfenbrut. Der Fischwirt 31 (11): 77-82 und 31 (12): 85-89.
- Koops, H.; Tiews, K.; Schwalb-Bühling, A.; Gropp, J.: Weitere Versuche zur Erprobung von Molkenpulver im Forellenfutter.
1981 Infn Fischw. 28 (3): 103-104
- Koops, H.; Tiews, K.; Gropp, J.; Schwalb-Bühling, A.: Further results on the replacement of fishmeal by other protein feed stuffs in pellet feeds for rainbow trout (Salmo gairdneri). ICES, Mariculture Comm., F 3: 1-24
1981
- Kuhlmann, H.: Neue Haltungs- und Aufzuchttechnik für Glasaale.
1981 Arb. dt. Fisch.-Verb. 30: 74-80
- Kuhlmann, H.; Dornheim, H.; Kuhlmann, H.; Kirchner, W.P.: Die Fischereiforschung. Jber. dt. Fischw. 1980/81
1982
- Mann, H.: Muschelkulturen. In Horst Noelle: Nahrung aus dem Meer, 29
1981 Springer-Verlag.
- Meixner, R.: Deutsche Miesmuscheln 1980 nach anderthalb Jahren marktreif. Fischerblatt 28 (12): 313-314
1980
- Meixner, R.: Muschelaufzucht im Container. Fischerblatt 28 (2): 314
1980
- Meixner, R.: Miesmuschelvorkommen im Wattenmeer haben sich erholt.
1981 Infn Fischw. 28 (2): 51-53

- Meixner, R.: The infestation rate of Mytilus edulis on a wild mussel bed
1981 in the Flensburg Fjord (W. Baltic) with Polydora ciliata.
ICES Coun. Meet. 1981/ K:6, 1-16
- Meixner, R.: Miesmuscheln und Dinoflagellaten.
1981 Infn Fischw. 28 (5/6): 180
- Meske, C.: Versuche über den Einfluß des Lichtes auf Fische.
1981 Infn Fischw. 28 (1): 19-21
- Meske, C.: Erfahrungsbericht über die Aufzucht von tropischen Warmwasser-
1981 fischarten in Ahrensburg. Arb. dt. Fisch.-Verb. 30:109-122
- Meske, C.; Becker, K.: Untersuchungen über den Einfluß von Futter-
1981 mischungen unterschiedlichen Fett- und Proteingehaltes auf
Zuwachs und Körperzusammensetzung von Karpfen.
Infn Fischw. 28 (5/6): 182-183
- Meske, C.; Rakelmann, U.: Arbeiten zur Entwicklung eines geschlossenen
1981 Seewasserkreislaufes. Veröff. Inst. Küst. u. Binnenfisch.,
Hamburg (77):1-61
- Meske, C.: = Eckhardt, O.; Becker, K.; Meske, C.; Günther, K.D.:
1981 Der Einfluß von Fettzulagen bei unterschiedlichem Rohprotein-
gehalt im Futter auf Wachstum und Körperzusammensetzung bei
jungen Spiegelkarpfen (Cyprinus carpio). Gesellschaft für
Ernährungsphysiologie der Haustiere, 35. Tagung vom
25.-27.3.1981 in Göttingen: 39-40
- Neudecker, T.: Möglichkeiten der Austernkultur im Bereich der Nord-
1981 strandener Bucht. Infn 28 (5/6): 177-179.
- Neudecker, T.: Austern-Workshop in Belgien.
1981 Infn Fischw. 28 (3): 101-103
- Neudecker, T.: Sex determination and maturation of the Pacific oyster
1981 (Crassostrea gigas) of the German Coast. In: Research on
Intensive Aquaculture, German-Israeli Seminar on Aquaculture.
European Mariculture Society. Spec. Publ. 6: 249-254, 1981
- Neudecker, T.: Experimental Offshore Nursery Growing of Crassostrea
1981 gigas Thun. in Germany. In: Nursery Cultering of Bivalve
Molluscs. European Mariculture Society, Spec. Publ. 6:
197-210
- Neudecker, T.: Probleme und Aussichten für eine deutsche Austernproduk-
1981 tion. In: Arb. Dt. Fisch. Verb. 33: 51-54
- Rakelmann, U.: Mögliche neue Verfahren zur weitergehenden Abwasser-
1981 behandlung in der Fischintensivzucht durch Einsatz von
elektrischem Strom. Infn Fischw. 28 (3): 109-110
- Rakelmann, U.: Aquakultur - Kunststoffe-Abwärme. KTBL-Arbeitspapier
1981 68: 59-64, 1981, Vorträge der GKL-Jahrestagung 1980 in
Stuttgart-Hohenheim. Kuratorium für Technik und Bauwesen
in der Landwirtschaft e.V., Bärtlingstraße 49, 6100 Darmstadt 12

- Tiews, K. (Ed.): Erfahrungen mit neuen einheimischen und nicht einheimischen Arten in der Aquakultur in der Bundesrepublik Deutschland. Arb. Dt. Fisch. Verb. 30: 167 S.
- Tiews, K. (Ed.): Besatzfragen in Aquakultur und natürlichen Gewässern. 1981 Arb. Dt. Fisch. Verb. 34: 97 S.
- Tiews, K. (Ed.) Aquaculture in heated effluents and recirculation systems. Vol. I: 1-513; Vol. II: 1-660 S.
Schriften der Bundesforschungsanstalt für Fischerei 16/17
- Tiews, K.; Koops, H.; Beck, H.; Schwalb-Bühling, A.; Gropp, J.: 1981 Entwicklung von Ersatzfuttern für die Regenbogenforelle. Veröff. Inst. Küst.- u. Binnenfisch., Hamburg (75): 1-77
- Tiews, K.; Mathey, M.; Koops, H.: Über die Fluoridaufnahme von Forellen 1981 bei Fütterung mit Krillmehlpellets. Infv Fischw. 28 (4): 135-136
- Tiews, K.; Mathey, M.; Koops, H.: On the carry over of fluorid from 1981 krill meal pellets into rainbow-trouts (Salmo gairdneri). ICES, Mariculture Comm., F 6:1-6
- Schwalb-Bühling, A.; Gropp, J.; Koops, H.; Tiews, K.: Zum Protein- 1981 Energie-Verhältnis im Forellenfutter. Infv Fischw. 28 (2): 57-59. AFZ 7:256-258
- Schwalb-Bühling, A.; Gropp, J.; Koops, H.; Tiews, K.: On the protein- 1981 energy interrelationship in pellet feeds for rainbow trouts (Salmo gairdneri). ICES, Mariculture Comm., F 4: 1-10
- Wienbeck, H.: Aufzuchtversuche mit Satzaalen unter Verwendung von 1981 sauerstoffbelüftetem Wasser. Infv Fischw. 28 (2): 60-62

NORWAY

- Austreng, E. and Gjefsen, T. 1981. Fish oils with different contents of free fatty acids in diets for rainbow trout fingerlings and salmon parr. Aquaculture 25: 173-183.
- Egidius, E. and Andersen, K. (in press). Bath-vaccination against vibriosis. Dev. Comp. Immunol.
- Egidius, E., Andersen, K., Clausen, E. and Raa, J. 1981. Coldwater vibriosis or "Hitra disease" in Norwegian salmonis farming. J. Fish. Dis., 4: 353-354.

- Gjerde, B. 1981. Genetic variation in production traits of Atlantic salmon and rainbow trout. EAAP, Zagreb, 1981.
- Gjerde, B. 1981. Growth rate and mortality of crosses between strains of Atlantic salmon. EAAP, Zagreb, 1981.
- Gunnes, K. and Gjedrem, T. 1981. A genetic analysis of body weight and length in rainbow trout reared in seawater for 18 months. Aquaculture 24: 161-174.
- Huse, I. 1981. An attempt to start feed cod larvae with artificial diets. Coun.Meet.int.Coun.Explor.Sea, 1981 (F:14): 1-4.
- Huse, I. and Jensen, P.A. 1981. Present status of an intensive cod larvae rearing experiment in Austevoll. Coun.Meet.int.Coun.Explor.Sea, 1981. (F:13): 1-7, 3 figs. (Mimeo).
- Jensvoll, M. 1981. Use of dervic scales for weighing live fish. Coun.Meet.int.Coun.Explor.Sea, 1981 (F:40): 1-9 (Mimeo).
- Kinghorn, B.P. 1981. Norwegian advances in fish breeding. British Poultry Round Table, Edinburgh, 24.9.81.
- Kinghorn, B.P. and Gjedrem, T. 1981. Long range study on future development in European animal production. Farmed fish. In "Livestock production in Europe - Perspectives and Prospects" Elsevier, Amsterdam.
- Navdal, G., Lerøy, R. and Møller, D. 1981. Variation in growth rate and age at first maturation in rainbow trout. FiskDir.Skr.Ser. HavUnders., 17: 71-79.
- Navdal, G., Lerøy, R. and Møller, D. 1981. Sources of variation in weight and length of Atlantic salmon. Coun.Meet.int.Coun.Explor.Sea, 1981 (F:39): 1-13. (Mimeo).

Refstie, T. 1981. Tetraploid rainbow trout produced by cytochalasin B. Aquaculture 25: 51-58.

Refstie, T. and Austreng, E. 1981. Carbohydrate in rainbow trout diets. III. Growth and chemical composition of fish from different families fed four levels of carbohydrate diet. Aquaculture 25: 35-49.

Storebakken, T., Austreng, E. and Steenberg, K. 1981. A method for determination of fed intake in salmonids using radioactive isotopes. Aquaculture 24: 133-142.

Torrissen, K.R., 1981. Characterization of proteases in the digestive tract of Atlantic salmon (Salmo salar) in comparison with Rainbow trout (Salmo gairdneri). Coun.Meet.int.Coun.Explor.Sea., 1981 (M:15): 1-6, 3 figs. (Mimeo).

Torrissen, O., 1981. Pigmentinnhold i røddåte. (Pigment content in Calanus finmarchicus). Norsk Fiskeoppdrett, 9: 18.

Torrissen, O., 1981. Rekeavfall til laksefôr. (Shrimp by - products as food for salmon). Fiskets Gang, 8: 275-277.

Torrissen, O., Tidemann, E., Hansen, F. and Raa, J. 1981. Ensiling in acid - A method to stabilize astaxanthin in shrimp processing byproducts and improve uptake of this pigment by rainbow trout. Aquaculture 26: 77-83.

Torrissen, O. and Torrissen, K. 1981. The effects of light on the mortality of different pigmented Atlantic salmon. Coun.Meet.int.Coun.Explor.Sea, 1981 (M:16): 1-6, 1 tab., 3 figs. (Mimeo).

Øiestad, V. and Kvenseth, P.G. 1981. Large-scale rearing of cod fry (Gadus morhua) in an inlet. Coun.Meet.int.Coun.Explor.Sea, 1981 (F:11): 1-6, 11 figs. (Mimeo).

PORTUGAL

- Figueiredo de, M.J. Artificial culture of Nephrops Norvegicus (L.).
I - Further studies on larval culture of Nephrops Norvegicus (L.) reared from the egg.
Bol.Inst.Nac.Invest.Pescas, Lisboa No.1 (1979).
-
Artificial culture of Nephrops Norvegicus (L.).
II - Some studies on the growth of early Post-larvae of Nephrops Norvegicus (L.). Reared from the egg.

USSR

- Blinova E.I., Khromov V.M. - Growth and development of Laminaria (Laminaria saccharina L. Lam.) in the far East bay of the Barentz sea. "Commercial seaweeds and their utilisation", Collection of Scientific Works of VNIRO Moscow, 1981, 7-19
Blinova E.I. - Growth and disintegration of Laminaria saccharina L. Lamour. - ibid, 20-29
Poposemova M.N. - Distribution and reserves of commercial brown alga of Kildin island, - ibid 29-33
Makarov V.N. - Study on the development of Laminaria (Laminaria saccharina L. Lam.) Rhizopoda in respect of its cultivation, - PINRO Proceedings, v.45, 1981, 14-18.
Blinova E.M., Khromov V.M. - Growth and development of Laminaria saccharina L. Lam. on artificial substrate in coastal waters of Eastern Murman, ibid 19-27.

Makarov V.N.- Experimental study of gametophyte and early sporophyte development in White sea *Laminaria saccharina* (L) Lam.in connection with its proposed cultivation,- Publication "Biological resources of the White sea and inner water reservoirs of the European North",XI Session of Scientific Council,Summary of reports, Petrozavodsk,1981.

Makarov V.N.- Study of Rhizopoda development of the White sea *Laminaria saccharina* (L) Lam.in connection with the problems of its cultivation.- PINRO Proceedings,Murmansk,1981.

Shoshina E.V.- Information on linear and weight growth of *Ahnfeltia plicata* (Huds) fries in the White sea.- Publication "Biological Resources of the White sea and inner water reservoirs of the European North",XI Session of the Scientific Council,Summary of reports Petrozavodsk,1981.

Spectorova L.V.,Goronkova O.I.,Albitskaja O.N.,Nosova L.P. "Methodologic recommendations on cultivation of microalga and rotifer upon artificial rearing of sea fishes",Scientific and technical information dept.VNIRO,Moscow,page 48

Goronkova O.I.,Spektorova L.V.,Nosova L.P.,Filippovsky U.N. "Peculiarities of cultivation of sea chlorella as a food organism for objects of mariculture",Transactions of the 4th All-Union Hidrobiological Congress,"Naukova Dumka", Kiev,p.2

Makrushin A.V.- Resistance to drying in latent eggs of *SidacrySTALLINA Moina macrope* (Crustacea, Cladocera),- Zoology.mag.,v.60

- Makrushin A.V.- Latent embryos and buds of primary water multicellular crustacea,- General Biology Mag.v.42, No.6
- Makrushin A.V.- Ovaries cycles in Daphnia pulex and Moina macrocopa (Crustacea, Cladocera),- Hydro-biology mag.17, No.5
- Makrushin A.V.- Hypothesis about reasons of incomplete coordination of generation cycle with outer conditions dynamics in Padonidae (Crustacea, Cladocera),- Biology of Sea N.5
- Kulakovskiy E.E.- Aquaculture en Mer Blanche,-Annales du Museum du Havre
- Kulakovskiy E.E.- Mariculture of mussels in the White sea and basic trends of its development,- Proceedings of XIth Session on "Biological resources of the White sea".
- Kulakovskiy E.E.- Neurohormone regulation in invertebrates,- "Progress in modern neuroendocrinology"
- Grozdilova T.A.,- Infestation with Trematoda Lecithaster gibbosus (emiuridae) of White sea herring larvae, reared under experimental conditions,- "Parasitology" XV,2
- Grozdilova T.A.- Thesis: Infestation of White sea herring juveniles reared under experimental conditions and caught in the sea, with trematodes and their pathogenic influence.- Symposium on parasitology and pathology of sea organisms. Institute of Zoology.
- Dushkina L.A. - Artificial spawning grounds as a method for the increase of population of oligovertbrate herring larvae illustrated by herring of the White sea.- Proceedings of PINRO, issue 45

- Dushkina L.A. - Proposed trends of aquaculture development in the Northern basin.- Proceedings of PINRO, issue 45.
- Nesvetova G.I. - Perspectives of mussels development cultivation with regard to productivity of Zelenetskaja Zapadnaja bay, Proceedings of PINRO, 45
- Ryzhov V.M.
- Nesmetov V.A.
- Kalinina N.R. - Sanitary control of mussels farms in the North area.- Proceedings of PINRO, issue 45
- Peltihina T.S.
- Nesvetov V.A.
- Loginaova G.A.
- Gorislavskaja M.M.- Survival of White sea herring embryos *Clupea pollosi* n. *Maris-albi* Berg on artificial and natural substrates,- Proceedings of PINRO, issue 45
- Mihailenko V.G.- Salinity influence on correlation of features in herring of *Clupea* species in early ontogenethis.-ibid
- Mihailenko V.G.- Fertilisation of herring and navaga eggs in low salinity water depending on the age of females and environment temperature,-ibid
- Salmov V.Z. - Importance of natural and artificial reproduction for salmon of Kola river, ibid
- Loginova G.A, - Experimental gibrdisation of salmon and Krasnoperova S.V pink salmon,-ibid
- Gorshkova G.L. - Application of protosubtelene G3X as stimulation agent for silver salmon growth,-ibid
- Krutikova A.D. - Silver salmon rearing in sea cages in the Polar region.