

Dr. OTMAR KARLOVAC

(1902—1980)

Dr. Otmar Karlovac was born in Split on 7 February 1902 where he attended primary and secondary school. He studied biology at the College of Philosophy of the University of Belgrade. He graduated from the University in 1926. After his return to Split he spent some time as a high-school teacher at the Grammar School in Split. During the period 1927—1946 he worked for some time at the Biological-Oceanographic Institute in Split (nowdays Institute of Oceanography and Fisheries) and at the Municipal Natural History Museum, ZOO and Aquarium, first as a volunteer and later as curator and director of the institution.

In 1946 he joined the staff of the Institute of Oceanography and Fisheries in Split where he worked until his retirement in 1962. Soon after his entering the Institute of Oceanography and Fisheries he was appointed the head of the Laboratory for Ichthyobenthos. During the period of his work at the Institute in Split he received his doctor's degree in 1953 on the thesis on norway lobster (*Nephrops norvegicus*). After his retirement he became the professor of biology at the High School for Stomatology in Split.

Dr. Karlovac was a keen scientist. During his fruitful life of scientist, teacher and popularizer of science he wrote 29 scientific papers, 28 expert papers and 9 science-popular papers. In addition, his 62 short contributions on fishery biology for the Maritime Encyclopedia should be mentioned. Major part of his scientific papers were published in the publications of the Institute (*Acta Adriatica*, *Izvešća-Reports* and *Bilješke-Notes*).

Some of his papers were published in other home and foreign publications. His expert papers were mainly published in the journals »Morsko ribarstvo« and »Jugoslavenski mornar«. Thorough in his work he never hesitated either to criticize or to receive criticism.

During his work Dr. Karlovac paid considerable attention to systematics, biology and ecology of benthic fish and decapod crustaceans. He gave detailed studies of the ecology of hake (*Merluccius merluccius*), norway lobster (*Nephrops norvegicus*) and deep-water pink shrimp (*Parapennaeus longirostris*). He gave significant contribution to the knowledge of the Adriatic fauna by his reports on the first records of some deep-sea benthic species of fish and crustaceans.

The publication of major importance for the knowledge of distribution, abundance and ecology of benthic fishes, cephalopods and crustaceans was the paper »Exploitation of fish stocks and edible invertebrata carried out by

trawling in the open Adriatic« published in the series »Izvješća-Reports« 1959. The paper was based on the data of Fishery-Biology Expedition »Hvar« (1948—49). By his scientific work he provided the basis for the improvement of commercial fisheries and rational exploitation of the Adriatic biological resources.

Dr. Karlovac was one of the initiators of the Fishery-Biology Expedition »Hvar« in which he took an active part.

He was the member of a variety of national and international organizations, member of the Research Committee of the GFCM (FAO), chairman of the group for marine research coordination of the Council for Scientific Research of the SR of Croatia, redactor of the I and II editions of the Maritime Encyclopedia, founder of Split aquarium, etc.

For his devoted work and achievements he was honoured the Award of the town of Split in 1971.

Dr. I. Jardas

PRINCIPAL SCIENTIFIC AND EXPERT PAPERS OF Dr. O. KARLOVAC

- 1932 Untersuchungen über die Ernährung der Adriatischen Scorpaena-Arten. Acta Adriat., 1 (4): 22 pp. (with T. Soljan).
- 1936 *Parapenaeus longirostris* (H. Lucas) an der Ostküste der Adria. Zool. Anz., 115: 60—62.
- 1936 Vještačko gajenje rakova. Jadranski ribar, 1 (2): 3—4.
- 1936 Da li je za ribarstvo važno znati čime se ribe hrane? Ribarski kalendar, 7: 47—49.
- 1939 Temeljni osnovi detekcije i dezintoksikacije bojnih otrova. VI. nakl., Split, 16 pp. (with J. Derado).
- 1939 Otrovi morskih životinja. Ribarski kalendar, 1939: 81—91.
- 1947 Važnost spužava i koralja. Ribarski kalendar, 1947: 89—92.
- 1949 Le *Parapenaeus longirostris* (H. Lucas) de la haute Adriatique. Acta Adriat., 3 (12): 14 pp.
- 1949 Vuča u službi nauke. Morsko ribarstvo, 1: 67—68.
- 1949 Kitovi u Jadranu. Jugosl. mornar, 5: 328—329.
- 1949 Tajanstveni život jegulje. Jugosl. mornar, 5: 373—374.
- 1949 Morske zmije. Jugosl. mornar, 5: 520—521.
- 1949 Oslíć i njegov život. Ribarski kalendar, 1949: 114—119.
- 1950 Morske kornjače. Ribarski god., 1950: 236—239.
- 1950 Ptice mora. Jugosl. mornar, 6: 44—45.
- 1950 Pronalaženje ribe jekom. Jugosl. mornar, 6: 189—190.
- 1951 Krakati stanovnici mora. Jugosl. mornar, 7: 226—227.
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- 1953 Présence du *Stenopus spinosus* Risso dans l'Adriatique. Bilj. Inst. Oceanogr. Ribar., Split, 5, 3 pp.
- 1953 *Nephrops norvegicus* L. otvorenog Jadrana. Glasnik biol. sekcije HPD, Ser. II B, 7: 213—219.
- 1954 Norveški rak (škamp) u Jadranu. Morsko ribarstvo, 6: 129—132.
- 1955 Norveški rak (škamp) sa ribarstvenog gledišta. Morsko ribarstvo, 7: 27—30.
- 1955 A summary of our present knowledge regarding the Norway lobster (*Nephrops norvegicus* L.) in the Adriatic. FAO Proc. Gen. Fish. Coun. Medit., 3: 417—421.
- 1956 Station list of the M. V. »Hvar« fishery-biological cruises 1948—1949. Izv. Rep. Rib.-biol. Eksp. »Hvar« 1948—49, 1 (3), 177 pp.
- 1957 Extensive investigations of captures by otter-trawl in the Adriatic offshore waters. FAO Proc. Gen. Fish. Coun. Medit., 4: 243—250.
- 1958 Dubinske kozice Jadrana. Morsko ribarstvo, 10: 211—212.
- 1959 Istraživanja naselja riba i jestivih beskralješnjaka vučom u otvorenom Jadranu. Izv. Rep. Rib.-biol. Eksp. »Hvar« 1948—49, 5 (1), 203 pp.
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- 5959 Peneidae et Pandalidae présentent un intérêt économique et découverte d'espèces nouvelles en Adriatique. FAO Proc. Gen. Fish. Coun. Medit., 5: 299—302.
- 1959 Oslić kao pljenitelj srdjelki (Clupeidae). Morsko ribarstvo, 11: 72—73.
- 1950 Rezultati istraživanja bentoskih riba. Morsko ribarstvo, 11: 156—157.
- 1960 Splitski akvarij. Ilustrirani vodič. Inst. oceanogr. rib., Split, 46 pp.
- 1961 Contribution aux connaissances de la répartition de la sardine, *Sardina pilchardus* Walb., en Adriatique. Rapp. Comm. int. Mer Médit., 16 (2): 325—332.
- 1965 Contribution à la connaissance de la biologie de la langouste commune (*Palaemonetes elephas* Fabr.). Rapp. Comm. int. Mer Médit., 18 (2): 181—184.
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- 1970 Prilog poznavanju rakova desetonožaca u priobalnim vodama srednjeg Jadrana. II — Decapoda Reptantia. Pomorski zbornik, 8: 833—899.
- 1971 Contribution à la connaissance de l'écologie du *Trachurus trachurus* (L.) en haute Adriatique. Izv. Rep. Rib.-biol. Eksp. »Hvar« 1949—49, 5 (2A), 24 pp. (with J. Karlovac)
- 1974 Rasprostranjenje ranih i odraslih stadija bukve, *Boops boops* (L.), u otvorenom Jadranu. Pomorski zbornik, 12: 411—422. (with J. Karlovac)
- 1975 On food presence of the Adriatic hake, *Merluccius merluccius* (L.), Acta Adriat., 17 (7), 48 pp. (with R. Mužinić)
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- 1976 Jadranski morski psi iz porodice *Squalidae*. Pomorski zbornik, 14: 595—610.
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- 1978 Psi mekaši Jadrana. Morsko ribarstvo, 30: 186—188.