## **Marine Fisheries Review**

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NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION Richard A. Frank, Administrator Terry L. Leitzell, Assistant Administrator for Fisheries

National Marine Fisheries Service



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# 2nd Annual Eastern Fish Health Workshop

A workshop, cosponsored by the Oxford Laboratory of the Northeast Fisheries Center, National Marine Fisheries Service, NOAA, and the National Fish Health Research Laboratory of the U.S. Fish and Wildlife Service, at the Tidewater Inn, Easton, Md., 26-27 May 1977.

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#### Preface

Individuals interested in the diseases of wild and cultured fish and shellfish have few forums from which to present their research progress. Perhaps the two most universally acceptable national organizations are the American Fisheries Society and the Wildlife Disease Association.

For many years, fish culturists and fish disease researchers in the midwestern and western states have met informally to discuss research progress. At the April 1976 meeting of the Northeast

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Wildlife Conference in Hershey, Pa., James Warren of the Fish and Wildlife Service convened a meeting to investigate the feasibility of a yearly eastern fish health workshop. Participants concurred that an annual workshop to discuss research progress would be desirable.

To that effect, the Oxford Laboratory of the Northeast Fisheries Center, National Marine Fisheries Service, NOAA, and the National Fish Health Research Laboratory of the U.S. Fish and Wildlife Service convened the 2nd

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> Annual Eastern Fish Health Workshop at Easton, Md., on 26-27 May 1977. Participants represented Federal, State, and academic institutions engaged in studies of the health of marine and freshwater fishes, crustaceans, and mollusks.

> The workshop was structured to include four major categories of research activity: Bacterial, viral, parasitic, and nutritional and environmental diseases of fish and shellfish. This issue contains the papers presented at the 2nd Annual Eastern Fish Health Workshop.

Cover: A *Baculovirus* that infects the hepatopancreas of the blue crab, *Callinectes sapidus*. See the article beginning on page 13.