SCIENCE INFORMATION EXCHANGE
SMITHSONIAN INSTITUTION
1730 M STREET, N.W. PHONE 202-381-5511
WASHINGTON, D.C. 20036

20H-3433

NOTICE OF RESEARCH PROJECT

SUPPORTING AGENCY:

INTERIOR DEPARTMENT
BUREAU OF SPORT FISH. & WLF.
FISHERY RESEARCH DIVISION

AGENCY'S IDENTIFICATION:

FR 2210-11

TITLE OF PROJECT:

SCREENING PESTICIDES FOR TERATOGENIC EFFECTS ON GAMBUSIA. CHRONIC TOXICITY OF PESTICIDES TO FRESHWATER FISHES

PRINCIPAL INVESTIGATOR, ASSOCIATES AND DEPARTMENT/SPECIALTY:

JG ARMSTRONG FISH PESTICIDE RES LAB
FL MAYER

RECIPIENT INSTITUTION:

U.S. DEPT. OF INTERIOR
BUR. OF SPORT FISH. & WILDLIFE
ROUTE #1
COLUMBIA, MISSOURI 65201

PERIOD FOR THIS NRP:

7/70 TO 6/71
FY71 FUNDS $8,000

SUMMARY OF PROJECT:

The purpose of this work unit is to screen carbamates, fungicides, insect repellents, herbicides and polychloro biphenyls for possible teratogenic effects.

The mosquitofish, "Gambusia affinis" will be used as a test animal. Groups of mosquitofish containing both male and female subjects will be fed formulations of the above compounds through their diet both alone and in combination. Whole, cleasre specimens of the resulting progeny will be examined for anomalies and histological sections will be evaluated.

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