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

SIE NO.
ZUH-3443

NOTICE OF RESEARCH PROJECT

SUPPORTING AGENCY:

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

AGENCY'S NUMBER(S):

FR 2210-09

TITLE OF PROJECT:

EARLY SQUAMATION OF BLUEGILL (LEPOMIS MACROCHIRUS) AND FATHEAD MINNOWS (PIMEPHALES PROMELAS) EXPOSED TO AROCLORS (ABBREV.)

PRINCIPAL INVESTIGATOR, ASSOCIATES AND DEPARTMENT/SPECIALTY:

FL MAYER FISH PESTICIDE RES LAB
JG ARMSTRONG

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 $6,000

SUMMARY OF PROJECT:

Patterns of early scale development will be studied on bluegill and fathead minnows receiving selected levels of the Aroclors 1242 and 1254. Chronic exposures will be given by bath. The fish samples will be sampled at pre-determined intervals, cleared with a 10% solution of concentrated hydrogen peroxide, stained with alizarin red, and their squamation compared with known patterns of development.

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