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

SIE NO.
ZUH-3427

NOTICE OF RESEARCH PROJECT

SUPPORTING AGENCY:

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

AGENCY'S NUMBER(S):

FR 2211-15

TITLE OF PROJECT:

72-HR THYROIDAL I125 UPTAKE IN IMMATURE CHANNEL CATFISH FOLLOWING EXPOSURE TO 5 DOSES OF SELECTED TOXICANTS (ABBREV.)

PRINCIPAL INVESTIGATOR, ASSOCIATES AND DEPARTMENT/SPECIALTY:

BF GRANT FISH PESTICIDE RES LAB

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 $4,600

SUMMARY OF PROJECT:

Immature channel catfish will be exposed to doses of toxicants such as insecticides and polychlorobiphenyl compounds with a continuous-flow dilutor. Survival conditions are kept optimal with respect to oxygen and waste accumulation. Organochlorine residues in the water and in the catfish are estimated when appropriate. After 30 days exposure, the fish are injected, 1 ul (0.01 uc)/gm, intraperitoneally with I125. The ability of the thyroid to fix radioiodine in 72 hr will be evaluated.

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