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

20H-3406

# NOTICE OF RESEARCH PROJECT

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

AGENCY'S NUMBER(S):
FR 2223-13

TITLE OF PROJECT:
PREPARATION OF CHLORINE-36 LABELED ORGANOCHLORINE PESTICIDES AND REIATED COMPOUNDS (PCB'S) (ABBREV.)

PRINCIPAL INVESTIGATOR, ASSOCIATES AND DEPARTMENT/SPECIALTY:
DL STALLING 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 $2,869

SUMMARY OF PROJECT:

The use of radio-labeled materials greatly facilitates the determination of residue levels in acquatic organisms resulting from exposure to chlorinated pesticides or other multiple component materials such as polychlorinated biphenyls. Non-radioactive chlorinated materials will be exposed to a flux of thermal neutrons to produce radioactive chlorine-36 labeled compounds. Other short-lived byproducts will be allowed to decay and impurities resulting from radiation damage will be removed by chromatography.

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