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

ZUH-3197-2

NOTICE OF RESEARCH PROJECT

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

AGENCY'S NUMBER(S):
FR 2223-5

TITLE OF PROJECT:
EVALUATION OF NATURALLY-OCCURRING HALOGENATED COMPOUNDS AS POSSIBLE INTERFERENCES IN PESTICIDE RESIDUE ANALYSIS

PRINCIPAL INVESTIGATOR, ASSOCIATES AND DEPARTMENT/SPECIALTY):
RC TINDLE 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 $3,700

SUMMARY OF PROJECT:

It has recently been observed that a group of naturally occuring poly-chloro biphenyl derivatives may often constitute interferences in the analysis of pesticide residues in the environment.

The objective of this work is to review any pertinent available literature and to determine if any of the recurring interferences in our residue analysis are compounds of this type.

Extracts which contain large quantities of interferences will be concentrated and fractionated by gas-liquid and thin-layer chromatography; the resulting fractions will be examined by IR spectrophotometry to determine the presence of chlorine. Substances which are frequently found to interfere will be collected for structure elucidation. ISG

MONS 096712