PCB file

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GSV-1692-1

NOTICE OF RESEARCH PROJECT

SUPPORTING AGENCY: NATIONAL SCIENCE FOUNDATION
DIV. OF NATL. & INTERNAT. PRG.

AGENCY'S NUMBER(S): GV-23898

TITLE OF PROJECT:
CHLORINATED HYDROCARBONS - PATTERNS AND EFFECTS UPON THE REPRODUCTIVE CAPACITY OF ANTARCTIC PELAGIC SEA BIRDS

PRINCIPAL INVESTIGATOR, ASSOCIATES AND DEPARTMENT/SPECIALTY:
HS OLCOTT NUTRITIONAL SCIENCES

RECIPIENT INSTITUTION:
UNIV. OF CALIFORNIA
SCHOOL OF AGRICULTURE
BERKELEY, CALIFORNIA 94720

PERIOD FOR THIS NRP: 7/70 TO 7/71
FY71 FUNDS $20,700

SUMMARY OF PROJECT:

Studies approved under GA-14202 for a first season in the Antarctic Peninsula included plans for studies on pollution ecology on Kerguelen Island. Because cruise rescheduling delayed the latter plans until early 1971, support is now required for participation in "Eltanin" Cruise 47 and the cooperative research on pollution ecology on Kerguelen Island. This activity is coordinated by Dr. Risebrough, U/California, Berkeley, and Dr. Hubert Ceccaldi of the Station Marine d'Endoume et Centre d'Oceanographie, Marseilles, France, as American-French cooperative research. In addition, field work is planned at Cape Hallett for comparative data in analyzing the Palmer Station materials collected in 1970. Since polychlorinated-biphenyl (PCB) and DDT are now most abundant in the marine ecosystem, the Antarctic and Subantarctic studies will make an important contribution on global fallout patterns by studying seabirds with restricted ranges in isolated areas (Kerguelen) and by sampling the wide ranging Wilson's petrel (Palmer and Hallett Station)

Dr. Robert Risebrough, Research Associate and an assistant will work at Hallett Station October-December 1970, and proceed from New Zealand to Australia to join "Eltanin" Cruise 47 for 30 days' work on Kerguelen Island. Travel in New Zealand and Australia to collect local samples and to Marseilles, France, for analyses of Kerguelen data is approved in connection with this research. USARP transportation will be provided from California to New Zealand, and New Zealand to Freemantle, Australia.

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