3/6/69

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1) Chickens - detn "LD_{50}"
will next feed 1/5

(b) Halowaxes - Aroclors 2g/kg/day for 7 days — [redacted]
now underway & done within 1 week

(a) No LD_{50} at 10g/kg for Aroclors, everything but toxaphene — 700 mg to 1g/kg

2) Rats - Toxaphene,

30 days done on 3 of the Aroclors
1000 and 300 ppm
300 ~~on~~ one of Halowax too high - have dropped back.
DDT
Toxaphene

I Rat Tissue Residue Study

1242, 54, 60, 5460	300 + 1000 ppm	30 days
Halo 1014	100 + 300 ppm	
1099	300 + 1000	
DDT	50 + 300	
Toxaphene	50 + 300	

II Chicken
Same materials
Aroclors, Halowax and DDT
LD_{50} > 10g/kg
Feeding - 2g/kg/day - 7 days

Toxaphene
LD_{50} ≈ 700 mg/kg
Feeding ≈ 150 mg/kg
Tissues as in protocol

III Fish toxicity
96 hr. static
detn TLM.
Bluegill and rainbow trout
} Take samples of aquatic water 3 times during 96 hr.

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IV Chicken toxicity + Reproduction, Egg, Heart samples and egg thickness.
6 months during hatch
3 dose levels – pre laying age – maintain on diet until egg size is normal – collect eggs – hatch –
Additional eggs for analysis – Fertility, hatchability, chick survivability.

V Mallards – the same thing
1) Calcium metabolism
2) Enzyme effect-stimulation
3) Estradiol
Liver microsomal stimulation

VI 3-generation study in rats – 18 months

VII 2-yr Chronic in rats – 26 months

VIII " " " " dogs – " "

IX Sub-acute fish toxicity

X Metabolic studies ??

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