H. Berger
E. Wheeler

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EV JOHN ST LOUIS

FOLLOWING TELEPHONE CALL FROM MR R HAYCOCK OF -NATURE- MAGAZINE YESTERDAY /27.10.69/ HERE ARE THE QUERIES AND ANSWERS THERETO-
QUOTE
QUERIES
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1 WHICH INDUSTRIES ARE SUPPLIED BY MONSANTO WITH POLYCHLORINATED DIPHENYL PRODUCTS QUERY
2 WHAT ARE PCB-S USED FOR BY THESE INDUSTRIES QUERY
3 HOW ARE PCB-S DISPOSED OF BY INDUSTRY/QUERY
ANSWERS

- PCB LIQUIDS ARE USED AS DIELECTRICS FOR CONDENSERS OR CAPACITORS AND TRANSFORMERS STOP THEY ARE USED TO IMPREGNATE CARBON RESISTORS AND WHEN COMBINED WITH OTHER PLASTIC MATERIAL THEY ARE USED AS SEALERS OR IMPREGNATING AGENTS FOR A VARIETY OF ELECTRICAL APPARATUS STOP PCB COMPOUNDS ALSO FIND USE AS LIQUID THERMOSTAT FLUIDS VACUUM DIFFUSION PUMP FLUIDS SWELLING AGENTS FOR AUTOMOTIVE TRANSMISSION SEALS AND AS ADDITIVES AND BASE STOCKS FOR SPECIALTY LUBRICANTS OIL AND GREASES- /THIS COMBINED ANSWER TO QUERIES NOS 1 AND 2 WAS BASED ON GENERAL INFO ON AROCLOR AS LISTED IN THE PRODUCT CATALOGUE/(I WAS PREPARED TO ANSWER QUESTION 3- WITH THE FOLLOWING /BUT AS THE JOURNALIST SEEMED TO HAVE FORGOTTEN THE QUERY HE HAD MADE THE PREVIOUS DAY I DID NOT REMIND HIM AND THE SUBJECT WAS NOT TOUCHED UPON ANY FURTHER/)) - INDUSTRY DISPOSES OF PCB-S IN VARIOUS WAYS DEPENDING UPON THE PARTICULAR INDUSTRY INVOLVED-/IF WE WERE ASKED HOW MONSANTO DISPOSED OF EFFLUENT FROM ITS MANUFACTURING PLANT/AT NEWPORT/ I WOULD HAVE ANSWERED - THERE IS NO EFFLUENT FROM OUR PCB PLANT THE PROCESS IS A -DRY- ONE/ IT WAS FELT TO BE TO OUR ADVANTAGE THAT I MENTION THE FACTS AS PER PARA 12 OF STATEMENT ISSUED ON OCT 17 1969 -MONSANTO HAS RESEARCH PROGRAMMES UNDER WAY TO IDENTIFY THE COMPOUNDS REPORTED TO BE PCB AND LOCATE THEIR SOURCE STOP THE PROGRAMMES INVOLVE PRECISE ANALYSIS OF ENVIRONMENTAL SAMPLES OF WATER AIR SOIL AND WILDLIFE INCLUDING METABOLIC STUDIES STOP ALSO UNDERWAY ARE STUDIES TO DETERMINE THE BIOLOGICAL EFFECTS OF DELIBERATE DOSAGE OF PCB-S ON FISH BIRDS AND MAMMALIAN ANIMALS STOP SEPCIAL EMPHASIS IS BEING PAID TO ENDOCRINOLOGICAL EFFECTS MINERAL METABOLISM AND REPRODUCTION PHYSIOLOGY STOP VERY EARLY RESULTS OF CHRONIC TOXICITY STUDIES CONFIRM THAT PCB-S ARE NOT HIGHLY TOXIC STOP IN 90-DAY STUDIES ON RATS AND OTHER NORMAL LABORATORY SEPCIES THERE HAVE BEEN NO ADVERSE EFFECTS WHER FEEDINGS ON UP TO 100 PARTS-PER-MILLION WERE ADMINISTERED STOP UNQUOTE REGARDS BRIAN GARLAND

PS NO DOUBT JOHN SPANO AND LJ WEAVER WOULD BE INTERESTED IN THIS REPLY

BT GARLAND LONDON
28 OCT 1625

MONSANTO TC

MONS 068980

BH414/OC29/0900