Bradley -
- Mar threat
- 000 - systems - threat

- meeting of group on marine environment in May -

- Carol Wilson - U.S. - Stockholm Comm -
  for a paper on PCB -
  - feels that U.S. cannot put a cloak over what has happened

- Simulations
  CEQ is also is making a paper on problem -

- So join to produce a good paper + result

- Bob + George agree

- Environmental mass balance
  ~~[illegible]~~ on PCB -

- No tendency from to talk to over

- → Harvey is to talk w/ GE man Le Blanc at Schnectady -

- Bill Richard (Scott Tucker Ralph ___)
- 3 more [illegible] man
- Bill
- JAS
- Warren [illegible] (Sp) CEQ
- Cummings [illegible]

MONS 053888

Incoming PCB

- as imported commodity feel could find
- feels none is coming in now -
- Tariff commission -
- Toys - perhaps -
- capacitors
- window units
- household refrig.
- transformers

1242 - capacitor till Sep - - 7% higher homologs
1216 - substituted - 4% spec 2%

(Not normally in TV & radios)
Very unlikely in home electronics

- Two home - air cond -
- refrig. (motor) start elec. motor
- flourescent

NC - meeting { Saraphan } cell culture system

1016 is 80% of 1242

Mich State - human lymphosis
found 1016 -

Beyoforans are the toxic amounts
not PCB
1016 - ought to have less Beyoforans
than 1242 - ~~not~~ 1016 is preinfectious

MONS 053889

Tay — Where are the concerns

— are they degradable

—

Harvey — Atlantic
(North Sea Pacific) In higher predators & going to bottom you get degradation & don't get them on bottom — don't know if it's bacterial

Biphenol - can be hydroxylated —

— degradation may be worse than

— Active

Me — Argonautics (Lockheed)
— incorporation
— highly caustic
— absorption
— anaerobic degradation — we haven't

Northern hemisphere problem —

Ignorants of ½ life of petroleum in Atlantic for the studied for since 1920

$5 M for next year to study marine environment
— PCB are [illegible] now known largest contaminants
— dioxyhalides may more

MONS 053890

DDT - is a threat to reproduction

- Do PCB's represent such a threat?

especially if mixed w/ DDT -

Finish use figures w/ GNP -
Japan production & GNP

Goldberg - estim. our prod by 10%

ROW is ~~[illegible]~~ roughly equally to ours -

- atmospheric transport must be transport?
- Oceans must be since ?

- CEQ - man -
  - 2 activities
    - Office & S. & T study -
      investigate enroun. pollut
      - PCB
      - Arsen
      - Cadm
      } 3 case studies
      see where to support -

  - PCB task force - group
    - CEQ
    - Fed OST?

MONS 053891

looks into array of federal activities in areas.

Don't worry from Govt - Tox Subs act
is there approach fed we
don't a problem w/ them from Regulation

Transport —

How explain — Concentration in ocean —

Harvey —
superimposability

Ice land + Finland

Travel — as discrete aerosol to ocean —
— get into surface layer quick
— then are quickly mixed below
☆ — come from discrete air masses

South Atl. } plankton same
N. " }
must have come from air —
know water doesn't go from N. to S. atlantic

Comes from condensation on rain and then thru ∓ rain

(Had a southartic current w/ high p.c.B. — air mass

What could be a p.c.b. aerosol

MONS 053892

① what ~~to~~ the escape from Transformer

failure rate is low —

— escape should be low
— capacitor escape should be low

— heat transfer use
— hydraulic use

☆ fingerprint — doesn't disclose source

Confirmatory Tex
GC mass

— who are doing
— Harvey
— Risebrough will by year end

☆ — level calculations is rarely accurate

Harvey — have experiments at various
— DDT values
DLB — 10 - 13 ppm } places on same samples

☆ FDA Study shows bad variations in levels —

☆ ~~May — Meeting~~ — Harvey to clear
Wants a MC — chemist
there — Ag — chemist to be there —
Wants our man there

MONS 053893

~~May be a paper~~ ?

Aerosol – Hot injection to environment

In 70% capacity
" 30% burning of NCR paper

Ice + Snowfield work is planned – this will give air source – data.

Dont feel Heat transfer is source

1260 – is smaller value

Milk + Pelicans (you are 1254-1260S

How much are we incinerating – # are distorted

Producing – 15,000 tons
How much are we incinerating

MONS 053894

Biodegradation

- who is studying
- Harvey gets some data

- Harvey feels - several have projects
- Nobel ~~system~~ Seminar
  - several have

- products - degradation products may be worst

Dodecil pthalate esters
By products vinyl chloride mfg -
~~have been dumped in sea~~ (1-2 week half life)
- cell damage in rats -
  has been noted -

Return data - we said too early to state

MONS 053895

Rice b. Q's
— where is a pool of PCB
NCR Paper — ~~they~~ paper group
is researching problem.

Rice bourough
☆ — bengoforans formation
in used heat transfer uses would be
-1968- very significant
Do we have a translation
of Japanese articles

Holy Farms — probably dioxins
or bengoforans

Voss — U. of Utrecht
— 20 ppm in European products
— no detectable amounts in our material

Japan — [illegible]

☆ Will we release
— Japan (MMK) — Egypt + import
— [illegible]
☆ production [illegible]

MONS 053896