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RR [redacted]

DE [redacted] C1416 3060540

ZNY NMNSH

This copy for 30/4/42

R 010530Z NOV 72

FM DD OF C(S)

~~*ASD [redacted]*~~

TO DSD

INFO [redacted]

ZEN/DWED [redacted]

*Action on
26/2/64*

ZLR

ZEM

~~SECRET INDOCTRINATED RECIPIENTS ONLY~~

1. DISCUSSIONS WITH [redacted] ON HIS RETURN FROM

[redacted] SUGGEST THAT IN LIGHT OF IMPROVED PERFORMANCE

FOLLOWING RECENT UPDATE OF AERIAL SYSTEM WE MAY OBTAIN

BETTER RESULTS IN SHOAL BAY THAN THEORETICAL CALCULATIONS

INDICATE WITHOUT RESORT TO QUOTE HYBRID UNQUOTE SYSTEM.

2. SPECIFICALLY THE PV132/3/4/5 INSTALLATION HAS

APPARENTLY MADE A REMARKABLE DIFFERENCE TO THOSE AERIALS

ON WHICH IT HAS BEEN FITTED. ALTHOUGH RESULTS MUST BE

REGARDED AS TENTATIVE FOR THE TIME BEING IT IS

NOTEWORTHY THAT:

A. SIGNAL/NOISE RATIO IS GREATLY IMPROVED.

B. INTERMODS RESULTING FROM NAVAL TRANSMISSIONS

WERE NOT DETECTABLE ABOVE 3500 KHZ NOR WERE

INTERMODS FROM ANY SOURCE DETECTABLE BETWEEN

4 MHZ AND 6 MHZ.

C. [REDACTED]

D. AERIALS ARE RHOMBICS (I.E. THEY ARE NOT OPTIMISED
FOR 5-7MHZ RECEPTION).

E. [REDACTED] WERE READABLE(GOOD COPY)

FOR 4 HOURS OR MORE.

F. PREVIOUSLY UNHEARD OR UNREADABLE [REDACTED]

OR EXISTING TASKS WERE READABLE(GOOD COPY).

E3. RELEVANT LOGS WERE MAINTAINED AND COPIES WILL BE

FORWARDED FOR EXAMINATIONS AS SOON AS ORIGINALS HAVE BEEN

RECEIVED. I HAVE ASKED [REDACTED] TO SUPPLY

[REDACTED] WITH TYPICAL 5MH TASKS FOR READABILITY TRIALS AS

SOON AS POSSIBLE AND [REDACTED] TO CARRY OUT TRIALS

AND REPORT READABILITY, ATMOSPHERICS AND INTERFERENCE(WITH

PARTICULAR REGARD TO INTERMOD PROBLEM) WITHOUT DELAY.

4. THIS GIVES US AN OPPORTUNITY TO GAUGE PRACTICALLY

WHAT MIGHT BE EXPECTED AT SHOAL BAY AND GAIN A BETTER

IDEA OF THE NEED OR OTHERWISE TO QUOTE HYBRIDISE UNQUOTE.

IT IS OF COURSE APPRECIATED THAT THERE IS A THEORETICAL

NEED FOR AIKEN BUT A NEED BASED ON THEORY IS NOT ALWAYS

BORNE OUT IN PRACTICE. WHILE AIKEN WOULD PRODUCE A

BETTER RESULT THE QUESTION QUOTE ARE THEY REALLY NECESSARY

UNQUOTE COULD ARISE, WOULD WE IN FACT BE GILDING THE LILY?

5. IN THE CIRCUMSTANCES PROPOSE THAT WE AWAIT RESULT

OF TRIALS AT PARA 3 AND THEN CONVENE FURTHER MEETING.

6. REQUEST YOUR EARLY COMMENT ON PARAS.

Declassified by ASD - 10/05/2022

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