

REPOSITORY DoE History Division
 COLLECTION RG-326, Tommy McCreary Job # 1320
 BOX NO. 5
 FOLDER Radioisotopic Survey

AIR SAMPLING: ALTHOUGH SOMEWHAT HAZARDOUS BY EQUIPMENT

WAS REQUIRED ON DEC 13 TO ONE MAN.

REACHED APPROX 80 PSI CAPACITY, AND SUPPORT THEREIN

SUPPORT TO DVA ENG SURVEY: MAN FIELD EFFORT HAVING

PERIOD DEC 7 THRU DEC 14.

RESTORED LATE WEDNESDAY DEC 13. THIS REPORT COVERS THE

COMMUNICATIONS NIGHT OF THURSDAY DEC 7. FULL COMMUNICATIONS

STATUS REPORTS INTERFERED BY LOSS OF VOICE AND TELETYPE

THIS PROVIDES THE SERIES OF ENGINEER RADIOLOGICAL SURVEY

PHASE I SURVEY STATUS REPORT NO. 24

UNCLAS

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1970 DEC 10 2 18

U.S. DEPARTMENT OF COMM.

TELETYPE

H 364

Operation Red

Captain Day
 CDR Wolff
 Major Lewis
 Mr. Garrison
 Mr. Garrison
 Mr. Garrison

411624

Griff

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FAILURES GENERALLY ATTRIBUTABLE TO UNATTENDED OPERATION IN A HOSTILE ENVIRONMENT, PROGRAM HAS CONTINUED TO PRODUCE.

FIRST WEEK'S COLLECTION WAS MADE ON YVONNE DEC 9,

AND A LAST SAMPLE WAS COLLECTED AT JANET DEC 10.

ENIWETOK STATION CONTINUES NORMAL OPERATION. LARGE VOLUME SAMPLER RETURNED FROM JANET HAD LOST ALL CRANKCASE OIL THRU BROKEN FITTING BUT HAS NOW BEEN REPAIRED AND IS OPERATING ON SALLY.

TLD INTEGRATED DOSE SURVEY: CALIBRATION AND FADING EVALUATIONS COMPLETED DEC 8. RESULTS ENCOURAGING. AFTER SOME INITIAL DIFFICULTY WITH ANNEALING OVEN, LOADING WAS ACCOMPLISHED IN TIME TO MAKE MAXIMUM USE OF RADIOLOGICAL SUPPORT PERSONNEL PRIOR TO THEIR DEC 13 DEPARTURE. BY DEC 12 SET-OUT OF TLD'S WAS 75 PERCENT COMPLETE WITH APPROX 75 EMPLACED ON ALICE, BELLE, CLARA, DAISY, IRENE AND PEARL. WEDNESDAY DEC 13 WAS DEVOTED TO LOADING AND THURSDAY TO EMPLACEMENT OF 35 TLD'S AT 28 JANET STATIONS. REMAINING ARE YVONNE AND ENIWETOK.

MARINE REEF GROUP: ON DEC 7 AND 8 CONTINUED IN SITU UNDERWATER PROBE SURVEY OF YVONNE LAGOON, ACCOMPANIED

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BY BOTTOM SEDIMENT SAMPLING. SIMILAR PROGRAM PURSUED OFF ENIWETOK AND PARRY DECEMBER 9, FOLLOWED BY A RETURN TO YVONNE FOR MORE DETAILED DOCUMENTATION OF SEVERAL HOT SPOTS EXTENDING OUT TO 65 FT DEPTH. DEC 14 DEVOTED TO IRENE (BOGON) AND THE SEMINOLE CRATER. BOTTOM SEDIMENT SAMPLES WERE TAKEN AND SOME MARINE SPECIMENS COLLECTED.

MARINE DEEP LAGOON GROUP: DEC 7 PLANKTON TOWS AND FISH COLLECTION IN THE WIDE IAS AGE. LCU COMPLETED 3 DAY NORTH LAGOON TRIP WITH 14 WATER AND GRAB SAMPLE STATIONS. DEC 8 RESUPPLY AND GEAR MAINTENANCE, PLOT SAMPLE LOCATIONS. DEC 9 DEEP CHANNEL PLANKTON TOWS AND GRAB AND WATER SAMPLES IN AND OUTSIDE CHANNEL AND IN WIDE PASSAGE. DEC 10 GRAB AND WATER SAMPLES WEST AND NW QUADRANTS. DEC 11 AND 12 HAND CORES, WATER AND GRAB SAMPLES FROM NORTH AND NORTHWEST INCLUDING MIKE AND KOA CRATERS. DEC 13 RESUPPLY AND REFIT. DEC 14 CORES AND GRAB SAMPLES SE QUADRANT. BOSTONWHALER MADE 1 PLANKTON TOW THEN FORCED TO RETURN BY BAD WEATHER. PRINCIPAL DEFICITS IN THE PROGRAM ARE PLANKTON AND DREDGING. UNLIKELY TO BE MADE UP BEFORE DEC 20 ESPECIALLY IF WEATHER WORSENS.

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SUPPORT HAS BEEN GENERALLY ADEQUATE. COMMUNICATION OUTAGE OF ALMOST ONE WEEK DURATION WAS CAUSED BY FAILURE OF BEAM POWER TUBE WITH NO SPARE ON HAND DUE TO SEVERAL EARLIER FAILURES ALL ATTRIBUTED TO ELECTRICAL POWER OUTAGES AND SURGES. AFTER HAVING BEAM POWER TUBES ON BACK ORDER SINCE MAY 1972, COMM CTR HA FINALLY GOTTEN A RESPONSE TO EMERGENCY REQUISITION. LCM IS FINALLY IN SERVICE ONE LCPL TEMPORARILY OUT OF SERVICE FOR REPAIRS FOLLOWING CORAL HEAD GROUNDING.

SINCE DEC 13 WE HAVE BEEN WATCHFUL BUT NOT SERIOUSLY CONCERNED ABOUT TROPICAL STORM VIOLET DEVELOPING IN THE SAME AREA AS OLGA AND INITIALLY FORECAST FOR AN ENIWETOK VISIT. VIOLET NOW APPEARS TO BE TRENDING SOUTH AND IN 151200Z SYNOPSIS IS DOWNGRADED TO TROPICAL DEPRESSION 33. PROBABLY NOT A MATTER FOR CONCERN BUT PROBABLY ALSO DUE TO SLOW DOWN BOAT OPERATIONS DURING PASSAGE.
END OF PHASE II STATUS RPT NO 24.

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