

~~CONFIDENTIAL~~

CL 14

~~PRIORITY~~

THIS DOCUMENT CONSISTS OF 3 PAGE(S)
NO. 1 OF 1 COPIES, SERIES BL

P R I O R I T Y
DE UWFJA 20TA
P 132315Z

Classification changed to
by authority of the U.S. ERDA

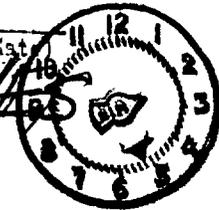
~~CONFIDENTIAL~~
UNCLASSIFIED

MAR 1 0 1954

404378

Per MRS H. ...
BOX No. 1131

By Mary Joe ...
DATE 1/13/54



R

Handwritten notes:
Ly Bank
2022
7.12

FM LOS ALAMOS SCIENTIFIC LAB LOS ALAMOS NMEN
TO USAEC WASHDC/ASSIGN SERIES CHARLIE/
INFO COL CLINT MAUPIN TG SEVEN PRT ONE ENINETOK MI/ASSIGN SERIES DOG/

BEST COPY AVAILABLE

54-36

~~CONFIDENTIAL RESTRICTED DATA~~

FOR JOHN C BUGHER DIRECTOR DIVISION OF BIOLOGY AND MEDICINE CML
INFO MORIS BRADBURY CML JIG DIVISION FILES CML W K LANGHAM CML
FROM THOMAS L SHIPMAN MD HEALTH DIVISION LEADER PD WE HAVE LOCAL
APPROVAL FOR FOLLOWING PROPOSAL CLM TO COLLECT AND ANALYZE URINE
SAMPLES FROM NATIVES AND AIR WEATHER SERVICE PERSONNEL PD REASONS CLM
TO CORRELATE WITH DATA COLLECTED AT GREENHOUSE AND UK ON MICE AND
MONKEYS IN DETERMINING THE RELATIVE EXTERNAL AND INTERNAL HAZARDS OF
RADIOACTIVE DEBRIS FROM ATOMIC BOMBS PD IN VIEW OF THE EXTENSIVE
EXPERIENCE OF THIS LABORATORY IN METHODOLOGY OF THIS PROBLEM AND THE
AVAILABILITY OF TRAINED PERSONNEL AND FACILITIES PLUS LIAISON WITH THE
RADIOCHEMICAL GROUP OF THE TEST DIVISION CML IT IS BELIEVED THAT A
MAXIMUM OF INFORMATION CAN BE ACCUMULATED WITH A MINIMUM OF EFFORT
PD IN VIEW OF THE CLOSE SIMILARITY OF THIS SITUATION TO THE CONTEMPLATED
PROBLEMS IN OPERATION GABRIEL AN INTENSIVE EFFORT TO OBTAIN ALL
POSSIBLE DATA SEEMS JUSTIFIED PD PROPOSED EXPERIMENTS CLM ONE PD
URINE COLLECTION PD ABEL PD TWO CONSECUTIVE TWO FOUR HOUR URINE SAMPLES
WILL BE COLLECTED FROM EACH OF THE AIR WEATHER SERVICE PERSONNEL
INVOLVED PD END OF PAGE ONE

RESTRICTED DATA
This document contains restricted data
as defined in the Atomic Energy Act of

~~CONFIDENTIAL~~

PAGE TWO UWFJA 20TA

~~CONFIDENTIAL~~

BAKER PD TWO CONSECUTIVE TWO FOUR HOUR POOLED URINE SAMPLES WILL BE COLLECTED FROM ABLE GROUP OF EXPOSED NATIVES PD IT IS DESIRED TO HAVE A TOTAL VOLUME OF TEN LITERS PER SAMPLE PD TWO PD URINE ANALYSIS PD ABLE PD ANALYSIS FOR BARIUM LANTHANUM AT THIS TIME PD THESE NUCLIDES ARE THE MOST ABUNDANT OF THE FISSION PRODUCTS PD THE CHEMICAL METHOD IS STANDARD AT THIS LABORATORY AND FORTUNATELY THESE NUCLIDES ARE VERY IMPORTANT FROM THE POINT OF VIEW OF INTERNAL HAZARD PD BAKER PD ANALYSIS FOR PLUTONIUM PD THE METHOD IS STANDARD PD PU IS VERY IMPORTANT IN ANY CONSIDERATION OF INTERNAL HAZARD PD FROM BOTH OF THESE MEASUREMENTS AND FROM DATA FROM THE RADIOCHEMICAL GROUP INFORMATION CAN BE PUT IN TERMS OF BOMB FRACTION PD CHARLIE PD ON THE BASIS OF THE ABOVE DATA FURTHER ANALYSES CAN BE MADE OBTAINING INFORMATION ON FRACTIONATION AND UPTAKE PD THESE WOULD POSSIBLY INCLUDE MOLYBDENUM AND CERTAINLY AT LATER TIMES CMM STRONTIUM PD DOG PD A SPOT ANALYSIS FOR GROSS FISSION PRODUCT ACTIVITY WOULD BE MADE BY THE USE OF THE ARM COUNTER BY PLACING THE ENTIRE URINE SAMPLE IN THE COUNTER PD ONE MAN WILL BE SENT WITH END OF PAGE TWO

~~CONFIDENTIAL~~

~~RESTRICTED DATA~~

~~This document contains restricted data as defined in the Atomic Energy Act of 1946. Its transmittal or the disclosure of its contents in any manner to an unauthorized person is prohibited.~~

~~CONFIDENTIAL~~

UNCLASSIFIED

NECESSARY EQUIPMENT TO KWAJALEIN TO MAKE THE URINE COLLECTION AND TO
 COURIER THE SAMPLES BACK TO LOS ALAMOS PD IT IS IMPERATIVE THAT THIS
 INDIVIDUAL HAVE AUTHORITY TO MAKE SUCH COLLECTIONS FOR THE PURPOSES
 NOTED ABOVE AND TO HAVE FULL SUPERVISION OVER THE COLLECTION PD IT IS
 NECESSARY BECAUSE OF TIME SINCE EXPOSURE C/M RADIOACTIVE DECAY AND
 EXCRETION RATES THAT THE COLLECTION BE DONE AS SOON AS POSSIBLE PD IT
 IS PREFERRED THAT THE SAMPLES BE BACK AT LOS ALAMOS BY THE SEVENTEENTH
 OF MARCH TO START ANALYSIS OPD WE WOULD ALSO LIKE YOUR BLESSING ON THIS
 PROJECT AND REQUEST THAT YOU ADVISE KRONKITE OF YOUR APPROVAL OF THIS
 PROJECT PD WITH HIS COLLABORATION IN OBTAINING THE SAMPLES WE SHOULD
 NOT INTERFERE ANY FURTHER WITH HIS WORK ALTHOUGH WE WOULD BE HAPPY TO
 OFFER HIM ANY ASSISTANCE THAT MIGHT BE REQUIRED PD PAYNE HARRIS AND
 ITEM EXPECT TO LEAVE FOR KWAJALEIN ABOUT THE END OF THE WEEK PD REF
 CLN ONE ZERO NINE PD END OF MESSAGE

CCC SIXTH WORD SEVENTH TO LAST LINE SHUD READ PD RPT PD

11/0313Z

~~PARAPHRASE NOT REQUIRED~~
~~ACCOUNTABILITY REQUIRED AS PER GM-SEC-5~~

~~RESTRICTED DATA~~

This document contains restricted data
 as defined in the Atomic Energy Act of
 1946. Its transmittal or the disclosure of
 its contents in any manner to an unau-
 thorized person is prohibited.

u

~~CONFIDENTIAL~~

