

## OFFICE MEMORANDUM

TO : M. M. Kligerman - ADRT 2/12/73

DATE: February 12, 1973

MES-200

FROM : C. R. Richmond  
 MINUTES OF HRL MEETING ON CURRENT STATUS OF GENERAL PLANNING EFFORT  
 SUBJECT: (29 JANUARY 1973) -- DISCUSSION AND DECISIONS RELATED TO QUESTIONS AND  
 ASSIGNMENTS IN MEMORANDUM OF 11 OCTOBER 1972 (RICHMOND TO KLIGERMAN)  
 SYMBOL : H-DO

Dean, Holland, Kligerman, Knapp, Petersen, Richman, and Richmond were present.

A. Physics

- (1) Focal point is 82 cm from edge of magnet metal. Whether or not the focal point can be pushed out further is still under investigation.
- (2) Best estimate of this is that the variable absorber and beam monitors will require 42 of the 82 cm. Ed Knapp will look into this.
- (3) Answer is yes, wide beams are possible, but not with a wide momentum spread.

B. Cell Biology

- (1) A drawing is in hand. Device will be built, probably at Berkeley. Richmond will see that it is built using local funds. Caution must be taken to ensure that the device mates to the exposure platform (experimental table).
- (2) An exposure platform (4-1/2 feet square) is now under design with vertical mobility based on the system used for 9 x 5-in. NaI crystal in HRL. It will be coordinated with Bush in MP Division.
- (3) Dean will order a Rando phantom with the stipulation that we may want dosimetry holes put in later. Richmond will pay for, hopefully, on a loan basis.
- (4) Presswood will not be used for a phantom. Some plastic is on hand (MIX-D) in a phantom, essentially a cube made of flat slabs. Richman will make inserts to place Petri dishes, test tubes, etc., within the phantom. Be sure to provide holes for carbon and cooling. Should have two phantoms by September. Order more MIX-D.
- (5) Some data have been taken using the capsule. It will probably be modified some more (size may be too large). Nothing has been done yet on using a physical dosimeter to contain the biological sample.

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MES 200 1/73-00133107.001

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C. Animal Biology

(1) No jig is available yet. Raju will be looking at one in Berkeley. A decision will be made soon and a jig built.

(2) Several jigs are now in use in HRL.

(3) Modifications of these jigs will probably be used. Richman will look into small dosimeters which can be implanted.

(4) Frozen mice will be used.

D. General

(1) This is still being looked into. MP-3 will assist.

C. R. Richmond

CRR:ES

CC:G. L. Voelz - H-DO  
M. R. Raju - H-10  
P. N. Dean - H-10  
L. M. Holland - H-4  
E. A. Knapp - MP-3  
D. F. Petersen - H-9  
C. Richman - H-10

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