

*as per 1/20/63*

402605

**SOUTH NASSAU COMMUNITIES HOSPITAL**

2445 OCEANSIDE ROAD  
OCEANSIDE, NEW YORK

March 29, 1963

*R*  
*plasma - every thing but red cells*  
*serum = after clotting, all cells removed*

*Blood vol*  
*Water vol*  
*→ 6 → 7%*

Mrs. Rosemary Hughes  
Donner Laboratories  
University of California  
Berkeley 4, California.

Dear Mrs. Hughes:

Under separate cover I am sending to you the 1.0 ml volumetric pipette which I used for the individual doses of the Marshallese people on whom total body water determinations were made. You will of course note that the pipette is broken but this was done after the completion of the experiment. The same pipette was used for each of the patients. The sera, preserved with thymol, will be sent to you by Dr. Conard early next week. He will also send you the height and weight of each of the patients. Will you please send me the results after you have completed counting the samples. I think you should also know that many of these people received Cr 51 at the same time as the tritiated water.

*red cell label*

I shall need from you the appropriate formulae for calculating blood volumes in relation to lean body mass. I shall of course send you our blood volume data.

*with lean body wt*

What is the news from Will? We heard on the radio that a member of the party was lost in an avalanche and that a Nepalese woman was severely burned and help was requested.

With kindest personal regards, I remain,

Sincerely yours,

*Leo Meyer*

Leo M. Meyer, M.D.

LMM:a

*Fig. 7421*

*mls / kg body wt*

*see → Handbook of Biol. (Hemat.) data*

| #     | Age | Height              | Weight             | Kg<br>Lbs. | Sex    |
|-------|-----|---------------------|--------------------|------------|--------|
| 873   | 44  | 69"                 | 135                | 61.36      | Male   |
| 938   | 24  | 56"                 | 88                 | 40.00      | Female |
| 882   | 29  | 63"                 | 120 <sup>1/2</sup> | 54.77      | Male   |
| 838   | 30  | 64"                 | 145 <sup>1/2</sup> | 66.13      | Male   |
| 932   | 28  | 57 <sup>1/2</sup> " | 102                | 46.3       | Female |
| 881   | 30  | 65"                 | 151                | 68.63      | Male   |
| 1043  | 28  | 58"                 | 92                 | 41.81      | Female |
| 928   | 50  | 62"                 | 126                | 57.27      | Female |
| 1501  | 30  | 64"                 | 147                | 66.81      | Male   |
| 916   | 39  | 58 <sup>1/2</sup> " | 140                | 63.63      | Female |
| 959   | 14  | 59 <sup>1/2</sup> " | 132                | 60.00      | Female |
| Jeton | 30  | 65"                 | 139                | 63.18      | Male   |
| 836   | 30  | 64 <sup>1/2</sup> " | 124                | 56.36      | Male   |
| 841   | 30  | 64 <sup>1/2</sup> " | 147                | 66.81      | Female |
| 885   | 23  | 64 <sup>1/2</sup> " | 136                | 61.81      | Male   |
| 942   | 48  | 58 <sup>1/2</sup> " | 127                | 57.72      | Female |
| 895   | 33  | 59 <sup>1/2</sup> " | 123                | 55.90      | Female |
| 1007  | 52  | 64 <sup>1/2</sup> " | 157                | 71.36      | Male   |
| 832   | 24  | 58"                 | 102                | 46.36      | Female |
| 822   | 16  | 63"                 | 120                | 54.54      | Male   |
| 960   | 11  | 59"                 | 85                 | 38.63      | Female |

Mrs Rosemary Hughes -

These are the heights, weights, ages  
and sexes of the Marshallese.

Have you any news yet?

How about the references re: lean body  
mass to blood volume. Les Meyer

Fat

learn today

H<sub>2</sub>O

CV SI = red cell vol

B. Vol = red cell vol

liters