

*Colonel Hurst*

ARM1.941209.189

Evaluation of Research Contract - George R. Meneely  
M.D., "Human Internal Radiation Dosimetry".

Director of WRAIR

Chief, Research Div. 6 July '60  
Med Resch & Devlpmt Cmmnd Col Taylor/mhs/61209

In November 1959 the Medical Research and Development Command contract program in ionizing radiation was reviewed by ARO <sup>representatives</sup> of WRAIR. A comment on contract MD-995 from Doctor George R. Meneely requested that future renewals should be evaluated by WRAIR. Attached renewal application is forwarded for your comments and recommendations.

FOR THE COMMANDER:

Incl: 1 a/s

RICHARD R. TAYLOR  
Lt. Col., MC  
Chief, Research Division

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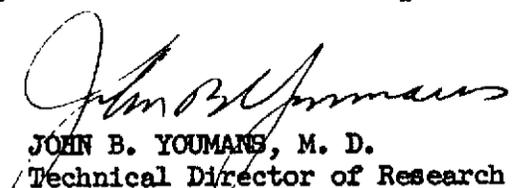
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1303-25 Heyssel, Vanderbilt Univ.  
(MD-995)

16. MENEELY, Vanderbilt

27 June 1960

Recommend negotiations to reduce total cost but approval of contract. There should be more justification for 6 research assistants, 4 technicians, and 4 secretaries, and interviewers; also for travel fund request and external programming.

  
JOHN B. YOUNANS, M. D.  
Technical Director of Research

*6 June 60*

*Refer to WCR 10712 for recommendation  
and comment.*

*AK Wright, Director.*

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U. S. ARMY MEDICAL RESEARCH AND DEVELOPMENT COMMAND

MEDDH-MR

16 June 1960  
MD-995

MEMO TO: Chief of Research Division

SUBJECT: Human Internal Radiation Dosimetry. Instrumentation, Prophylaxis and Therapy.

AUTHOR: George R. Meneely  
Vanderbilt University  
Nashville 5, Tennessee

Renewal

Cost       \$97,000               \$97,000               \$97,000

Total Cost   \$288,355 including \$97,000 longevity funds

Started       1 September 1958 and funded thru 31 August 1961

\$97,000 has been provided in longevity funding. As this contract is on the list to be supported by DASA in FY 1962, this amount will carry Dr. Meneely through August 1961.

1. With only \$5,000 dollars worth of equipment the \$97,000 to me seems excessive.

2. Dr. Meneely is attempting to design a whole body counter with proper geometry of crystals, etc., so that similar specifications may be adopted by the Military. He is counting primarily  $K^{40}$  and Cesium 137. He will, however, establish standard counts for  $Cr^{51}$  and  $Fe^{59}$  as well. He thinks that the  $Cr^{51}$  count may be used to predict red cell life span and the  $Fe^{59}$  total iron turnover rates. I believe this later is already in use at WRAIR.

3. He plans to study I-131 — Cobalt 60 labeled  $B_{12}$  and sodium turnover. Once this above is established then he will determine the effect of drugs on these various elements. Doca, 9- $\alpha$ -flurohydrocortisone, aminophyline, mercurphyline and chlorothiazide.

4. The above is a very basic and needed study but I have some question in my mind about the justification of this large a budget.

5. Committee Recommends \_\_\_\_\_.

6. Recommend approval with a reduced budget, say \$80,000.

NOTE: Col Hursh - a special letter should be written re: this.

  
L. M. HURSH, Colonel, MC  
Chief, Medical Research Branch

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