

*M.F. → Dr. Dunham R*  
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January 19, 1960

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**REVISED PLANNING - YUGOSLAV EXPERIMENT**

BM:ADA:HAS

As I advised you, I set up a meeting for January 25, 1960 to discuss the proposed Yugoslav Experiment with all parties concerned. However, due to later information received, I have taken steps to cancel the meeting and, if warranted, will set it up for a later date.

Yesterday I received a telephone call from Sam Shoup and Art Shane of Oak Ridge, during which they summarized the results of a meeting held at ORNL concerning the proposed experiment. Dr. Tait of IAEA was present as well as members of the ORNL staff including Morgan, Hurst, Ritchie, Auxier, etc. During this meeting a number of tentative decisions were reached and I list them as I recall them below:

1. The proposed experiment will be carried out at low level (1-5 watts) rather than the high level (up to 1000 watts) as proposed.
2. The experiment will be broken down into 4 phases as listed:
  - a. Establish neutron-gamma dose ratio;
  - b. Determine energy spectrum in fast neutrons;
  - c. Sodium-24 activation in phantoms;
  - d. Thermal and fast neutron ratio.
3. Items a and d will be performed in Belgrade, with the Hurst team spending about one week at this location.
4. Items b and c can then be performed in the critical facility at Oak Ridge in perhaps a more leisurely manner.
5. It was the consensus that the above approach was practical and would reduce the estimated costs substantially, probably at least in half.

The ORNL Health Physics people plan to document this approach and process it through Carbide channels for management approval. Upon receipt of it here we can then determine the necessary steps to activate the project if this seems appropriate.

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In view of the above and in recognition of the time required to document the revised approach, it seemed preferable to cancel or postpone the January 25th meeting, which I have done.

CC: Dr. Bruner ✓  
Mr. H. J. Zimmer, DLA

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