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MEMORANDUM

TO: H. A. Fidler

FROM: W. B. Reynolds

SUBJECT: FISCAL YEAR 1954 PROGRAM ASSUMPTIONS - COMMENTS

OPENNET ENTRY

Authorized for Public Release  
By: Asst. Dir. G. G. Goring Date: 4/7/95  
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After a brief review of these assumptions it appears that they do not seriously conflict with the Laboratory's proposed program. During a recent trip east, Mr. Andressen discussed various aspects of these assumptions with members of the Chicago Operations Office and the Washington Office staffs. The following reviews the main topics presented in the program assumptions.

General Assumptions for F.Y. 1954

The statements regarding program expansion and economic factors appear to be quite clear. Our only comment might be that we have not been particularly successful in the past in obtaining increases in budget after the fact due to inflationary increases in cost. Let us hope that the new statistical record proposed will help solve this problem.

Regarding budget factors, we will of course take exception to any attempt to discontinue the current practice of prefinancing the Laboratory's operating program.

Disaster Control Program Assumptions for F.Y. 1954

The outline of the Disaster Control Program seems appropriate, however, to date little has been done toward providing funds for any such program. We have in fact received budget cuts in our miscellaneous equipment funds to the point where we are unable to sustain our normal research program, let alone buy additional equipment for a disaster control program. We will cooperate in the disaster control program to the extent of our budget and to the extent we feel is advisable.

Operating Program - Program 2000

Because of the general nature of the Program 2000 budget assumptions, one would have difficulty taking exception to them. We have presented in our Mid-Year Budget Review the program level for research and development which we believe to be necessary to properly supplement the M.T.A. construction program. These amounts have been discussed with the Production Division and have been tentatively agreed to.

Program 5000 - Basic Physics

Operations: The division of Physics Research between Basic and Applied Physics will depend to a large degree on decisions yet to be made.

DEPARTMENT OF ENERGY DECLASSIFICATION REVIEW

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H.A.Fidler (continued)

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If agreement is reached to proceed on the J-16 Program, the assumption presented for Applied Physics will be incorrect. According to present plans, approximately \$900,000 would be required for J-16 work in F.Y. 1954. This is based on a starting date of approximately April 1, 1952 and a twenty-six months schedule for construction. If this program materializes, the Basic Physics program will probably not increase the thirty percent indicated. However, there will still be an increase necessary to provide operating and research funds for the Bevatron. Before stating the extent of such funds a complete review will have to be made of the Bevatron construction schedule. If, on the other hand, the decision is made not to proceed with the J-16 Program, the thirty percent increase in the Basic Physics level seems in order.

We do not presently contemplate any marked increase in the Chemistry Program. Such an increase would come about only if it became necessary for us to undertake more work connected with the National Defense Program.

Construction: The Laboratory is working on a master plan at the present time and this plan should be in final form by the time the F.Y. 1954 budget is due in Washington. As discussed with members of the Washington staff, we will resubmit the Engineering Service Building for consideration in the F.Y. 1954 budget. Although this building was deleted from the F.Y. 1953 budget because it was not considered an emergency project, the general lack of space at the Laboratory does qualify this building as a defense project with some degree of urgency for the F.Y. 1954 budget submission.

Because the future Mark I is quite indefinite, we cannot foresee exactly what facilities will be needed at Livermore for general research purposes. We do agree that funds will be needed and we will request approximately \$100,000 for this purpose.

This assumption that a Mark III Accelerator (J-16) will be under construction is inconsistent with the assumption under Applied Physics. Since the development work necessary to construct J-16 would be classified as Applied Physics, an Applied Physics program is inferred.

#### Program 6000

In general the program outlined for Biology and Medicine follows the general plan foreseen by the Laboratory. We do not anticipate any major changes in scope.

We would appreciate your early comments on these questions as we must start the preparation of the F.Y. 1954 Budget immediately if we are to meet the deadline for the March 31, 1952 Program Review and the F.Y. 1954 submission date, which usually is around the first of May.

/s/ W. B. Reynolds  
W. B. Reynolds

WBR/CEA/ht

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