

THE ROCKEFELLER INSTITUTE  
New York 21, New York

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Office of the Vice President  
and Physician-in-Chief

June 21st, 1957

Dr. Lloyd V. Berkner, President  
Brookhaven National Laboratory  
Associated Universities, Inc.,  
Upton, Long Island, New York

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Committee's Mtg Minutes  
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Dear Doctor Berkner:

FOLDER \_\_\_\_\_

The Visiting Committee for the Medical Department met at the Brookhaven National Laboratory on May 20th and 21st, 1957. The members present were Hastings, Horsfall, Lippard, Page, Pendergrass and Wolff. The program for the two day meeting, prepared by Doctor Farr, is enclosed.

The Committee had an opportunity to learn in some detail of many aspects of the work now underway in the Medical Department. Eighteen members of the staff presented, in summary form, the results of their studies and assessed the significance and implications of their findings.

The Committee was favorably impressed by the breadth of the investigative program and by the depth of penetration of its several parts. It was also favorably impressed by the quality of the staff and by the clear evidence of an excellent esprit d'corps and high morale. It was apparent that there has been a steady and striking improvement in these important facets during the past year.

The Committee again commends the excellent integration among members of the staff and the laboratories which has been achieved in the Medical Department. The ease and freedom of exchange between groups and divisions with diverse interests and backgrounds provides a highly favorable climate for productive scientific work.

A few examples of studies that demonstrate the scope of the investigative program and were particularly impressive and stimulating to the Committee follow:

The work of Farr on neutron capture therapy, especially in transplanted brain tumors in mice, and the associated studies of Easterday on the toxicity and distribution of boron-sugar complexes.

The continuing surveys of Marshallese previously exposed to fallout radiation. A question was raised regarding the adequacy of information on the psychological reactions of these people to the experiences of the past three years.

The work of Hughes and of Painter with tritium labelled thymidine

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and its bearing on the organization of the cell nucleus and chromosome structure.

The work of Gidez on serum lipides and lipoproteins and the use of gas-liquid chromatography for separation of fatty acids.

The work of Cotzias on maganese metabolism in animals and its unexpected implications in relation to coordination chemistry.

The work of LeFevre on sugar transport across the cell membrane and its bearing on molecular conformation in contrast to configuration.

The work of Stoner on the effects of gamma radiation on the immune response and its implications in relation to tissue transplantation and survival.

The Committee gained the impression that many of the staff have found it difficult to get away for an adequate vacation. It is suggested that each member of the staff might be encouraged to take a vacation of at least one month each year.

The Committee is grateful to Doctor Farr for all the informative presentations and for the many thoughtful arrangements that added to the pleasure of their visit.

Yours sincerely,

/s/ A. Baird Hastings

/s/ Vernon W. Lippard

/s/ Irvine H. Page

/s/ Eugene P. Pendergrass

/s/ Harold G. Wolff

/s/ Frank L. Horsfall, Jr., Chairman

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VISITING COMMITTEE FOR THE MEDICAL DEPARTMENT  
 Program for  
 Scientific Meeting  
 20 and 21 May 1957

Monday, 20 May

8:30 a.m.	Depart from Vanderbilt Hotel, N.Y.C.
10:30 a.m.	Arrive Brookhaven - settle in rooms
11:00 - 11:30	Three-year medical survey of Marshallese exposed to fallout radiation in 1954 R. A. Conard
11:30 - 12:00	Toxicological and pharmacological studies of boron O. D. Basterday
12:00 - 12:30	Neutron Capture Therapy L. E. Farr
12:30 - 1:30	Lunch
1:30 - 2:00	The role of hydroxylysine in the synthesis and function of collagen F. M. Sinex
2:00 - 2:20	Programs in the Division of Microbiology W. L. Hughes
2:20 - 2:40	Tritium-labeled thymidine in the study of the organization of the cell nucleus R. B. Painter
2:40 - 3:00	Research on hypertension at Brookhaven L. K. Dahl
3:00 - 3:20	Sodium in connective tissue L. Silver
3:20 - 3:40	Recent chemical studies on the $\alpha_1$ -acid glycoprotein E. A. Popenoe
3:40 - 4:00	Recent investigations on serum lipides L. I. Gidez
4:00 - 4:20	Some aspects of manganese metabolism in animals G. C. Cotzias
4:20 - 4:40	Some aspects of manganese metabolism in humans D. C. Borg
4:40 - 5:00	The use of an analog computer in interpreting tracer data J. S. Robertson
5:00 - 5:20	Physical chemical studies of squid hemocyanin, especially light scattering M. Maxfield
5:20 - 6:00	Free Period
6:00 -	Cocktails and Dinner

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Tuesday, 21 May

9:00 - 9:30	The synthesis and metabolism of labeled niacin precursors in mammals L. V. Hanks
9:30 - 10:00	The molecular specificity of the red cell's sugar transport system P. G. LeFevre
10:00- 10:30	General and special metabolic trans- formations of carbohydrates. W. W. Shreeve
10:30- 11:00	The effects of acute exposure, divided acute exposures and chronic exposure to cobalt-60 gamma radiation upon tetanus antitoxin formation in mice R. D. Stoner
11:00- 1:00	Visits to Laboratories
1:00 - 2:00	Lunch
2:00 - 2:30	Question Period
2:30 - 3:30	Executive session for preparation of report
3:30 -	Depart for New York City