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AMERICAN PETROLEUM INSTITUTE
MEDICAL ADVISORY COMMITTEE

FOURTEENTH MEETING

Minutes of Meeting
November 3, 1951
The Conrad Hilton
Chicago, Illinois

MEMBERS PRESENT OR REPRESENTED

B. B. Reeve - Chairman
E. K. Linder - Vice Chairman
Marshall Clinton - Secretary

W. O. Armstrong
V. C. Baird
(Rep. by Vincent T. Forner)
F. F. Boys
J. Wm. Crookshank
L. E. Curtis
Kieffer Davis
Robert E. Eckardt
D. M. English
Kenneth R. Fourcher
T. M. Frank
T. J. Kelly
James W. Long
E. P. Luongo
M. N. Newquist
James W. Osborn
John C. Ruddock
George M. Saunders
Leo J. Wade
E. Richmond Ware

ASSOCIATES PRESENT

L. C. Beard, Jr.
R. D. Bent
J. S. Boylan
R. C. Cole
T. E. Devilliers
Allan E. Dooley
L. M. Henderson
R. M. Landon
K. G. Mackenzie
R. C. Mithoff
C. A. Neilson
F. J. Sanders
R. M. Shepardson
F. M. Watkins
H. D. Wilde

GUESTS

Clyde M. Berry - Esso Standard Oil Co.
R. C. Carrell - Lago Oil & Transport Co.
Philip Drinker - Harvard University
W. N. Fenney - The Texas Co.
N. V. Hendricks - Standard Oil Development Co.
A. W. Horton - University of Cincinnati
Robert A. Kehoe - University of Cincinnati
John J. Phair - University of Cincinnati
B. N. Shoemaker - Standard Oil Co. (Indiana)
Robert H. Stewart - American Petroleum Institute
D. V. Stroop - American Petroleum Institute

Total in Attendance - 48

MEMBERS ABSENT

Theodore E. Allen
C. H. Hine
Warren F. Kahle
W. R. Levis
Robert Bell Lynn
Clark R. Miller
R. C. Page

ASSOCIATES ABSENT

E. W. Adams
W. R. Argyle
C. L. Brown
C. R. Brown
L. O. Crockett
J. B. DeLaune
R. S. Driver
R. W. Faulk
Nelson J. Gothard
James E. Hill
E. W. Isom
D. W. Larmer
C. R. McKay
W. H. Price
R. B. Roaper

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I

INTRODUCTION OF MEMBERS AND GUESTS

The chairman welcomed and introduced members and guests who had not attended previous meetings of the committee.

II

MINUTES OF THIRTEENTH MEETING

ACTION The committee voted to approve the minutes of the Thirteenth Meeting as circularized.

III

REPORT OF SUBCOMMITTEE ON ATMOSPHERIC POLLUTANTS - DR. E. P. LUONGO, CHAIRMAN

Doctor Luongo reported that his subcommittee had deferred consideration of its assignment because of a suggestion made by W. L. Stewart, Jr., API Vice President for Refining, that the Institute should appoint a national committee to find answers to all petroleum air-pollution problems. In the understanding that the General Committee, Division of Refining, planned to discuss Mr. Stewart's proposal on November 6, the only action taken by the Subcommittee on Atmospheric Pollutants was to record, for transmittal to the General Committee, Division of Refining, a consensus that the extent of health hazards which might result from petroleum pollutants in the atmosphere is indeterminate from data now available.

ACTION The report was accepted and amended to provide that the Medical Advisory Committee tenders its services to the General Committee, Division of Refining, in any possible manner upon request.

Note by secretary:

By request, three votes are recorded against acceptance of the report on the basis that it failed to take cognizance of the charge given by the Medical Advisory Committee at its Thirteenth Meeting.

Appended is a copy of Doctor Reeve's letter to W. L. Stewart, Jr., under date of November 5, 1951.

IV

STATEMENT OF COMMITTEE OBJECTIVES, FUNCTIONS AND PROCEDURES

As a newly-appointed member of the Medical Advisory Committee Doctor Kenneth R. Fourcher expressed his need for a statement outlining the committee's objectives, functions and procedures.

ACTION The committee requested that D. V. Stroop, with the advice and counsel of past chairmen, prepare the desired statement and circularize copies to all members well in advance of the Fifteenth Meeting.

V

REPORT OF SUBCOMMITTEE ON CARCINOGENICITY - DR. M. N. NEWQUIST, CHAIRMAN

On behalf of the subcommittee, Doctor Newquist submitted eleven recommendations for adoption as follows:

1. That the progress report from Kettering Laboratory, dated September 25, 1951, be received and filed.

2. That a Research Project Advisory Committee be appointed by the chairman of the subcommittee to counsel, to review the various phases of the research work, and to obtain all samples to be tested.

3. That no new samples be incorporated into the program except:

   a. One sample of coal tar;
   b. One sample of vacuum distillate, 650°-800°F, from each of the following pipe line samples of crude oil: California, Mid-Continent, Gulf Coastal, Middle East; and
   c. Such samples as are required to explore further analytical techniques after the anomalies on the present samples are resolved.

4. That the subject of co-carcinogens be clarified insofar as is feasible.

5. That synthesis of any carcinogens and solvents which may be required be made by arrangements with API Project 42.

6. That a limited number of animal tests of high-potency oils be made by stopping the application of the oils when papillomas first appear on each mouse.

7. That it be ascertained whether or not groups of twenty mice are statistically adequate for biological testing in this project.

8. That potency figures be expressed separately for papillomas and malignancies.

9. That detailed data sheets on all completed experiments be included as a part of all progress reports from Kettering Laboratory.

10. That the interim report, dated September 25, 1951, be not transmitted to the Institute of Petroleum, London, until after collaboration of the Research Project Advisory Committee with Doctor Kehoe, in order to allow for inclusion in the text more recent findings and conclusions in connection with current studies.

11. That the epidemiological survey work be continued on its present basis for the time being.

ACTION Following an extended and detailed discussion of the report, the committee voted to amend the report by striking out recommendations numbered 3 to 10 inclusive, to accept the amended report, and to direct the Research Project Advisory Committee to meet with project directors within 30 days to work out the 1952-53 program.

VI

REPORT OF SUBCOMMITTEE ON FIRST AID - DR. T. M. FRANK, CHAIRMAN

Doctor Frank reported that the subcommittee had reviewed the first edition of the API First-Aid and Safety-Training Guide and had noted several suggestions for improvement and correction for inclusion if, as, and when the second edition is printed.

Particular attention was given to the methods of artificial respiration illustrated and described in the guide and to the subcommittee's recommendations of April 1951 for the distribution of artificial respiration illustrations published in the Ivy report. The subcommittee voted to rescind its previous action and to recommend no change in the artificial respiration section of the guide at this time.

Each member of the Medical Advisory Committee is requested to make a critical review of the first-aid guide and to transmit his

criticisms and suggested changes to the subcommittee chairman, with carbon copy to D. V. Stroop.

ACTION The report was adopted by the Medical Advisory Committee.

VII

REPORT OF SUBCOMMITTEE ON TOXICOLOGICAL REVIEWS - DR. MARSHALL CLINTON, CHRMN

Doctor Clinton referred to action taken at the Thirteenth Meeting when the subcommittee was authorized to formulate plans for five-year periodic revision of each toxicological review. He reported results of his work on this matter by introducing Professor Drinker, who stated the impracticability of estimating the cost of revising the reviews. It was his proposal that a fund of $6,000 should be sstablished as a maximum amount which could be expended during the first year in which the revisions are to be made, but that charges against the fund should be restricted to actual cost plus 20 per cent for overhead as required by Harvard University.

ACTION The committee recommended the acceptance of Professor Drinker's proposal with the understanding that, prior to revision, each toxicological review would be studied to ascertain the need for and desirability of revision.

VIII

REPORT OF CONSULTANT - PROFESSOR PHILIP DRINKER

The committee received an informative and timely report on several subjects of interest.

IX

REPORT OF SUBCOMMITTEE ON FLUORIDES - DR. GEORGE M. SAUNDERS, CHAIRMAN

Doctor Saunders read the minutes of the subcommittee meeting held November 2, 1951, as follows:

"The chairman read a summary of an extensive report distributed to members earlier. Reference was made to E. J. Largent's letter of October 9, 1951, requesting comments on attached manuscript of a proposed paper which will be circulated to subcommittee members for their comments.

"Doctor Kehoe told the subcommittee that the work now permits setting limits defining safe concentrations for long-time exposure. He said the number of contributors remains the same; the budget of the order of $20,000/year; and that interest and practical importance of this work is expected to increase. A meeting of sponsor ropresentatives is planned for about the first of the year, and those concerned will be advised relative to the date.

"A motion was passed to contnue participation in the fluoride work at Kettering for another year, in the amount of $2,500."

ACTION The Medical Advisory Committee adopted the subcommittee recommendation for the contribution of $2,500 to the University of Cincinnati as the oil industry share of expense for work during the year ending June 30, 1953.

X

REPORT OF SUBCOMMITTEE ON ECONOMIC POISONS - DR. T. J. KELLY, CHAIRMAN

Doctor Kelly said there had been no need to hold a meeting, but he recommended the reappointment of the subcommittee for 1952.

ACTION The committee accepted the chairman's recommendation.

XI

REPORT OF SUBCOMMITTEE ON CUTTING FLUIDS DR. F. F. BOYS, CHAIRMAN

Doctor Boys stated he had no report to make but requested that the subcommittee be continued in 1952.

ACTION The committee agreed to continue the subcommittee.

XII

REPORT OF SUBCOMMITTEE ON EYE HAZARDS - DR. KIEFFER DAVIS, CHAIRMAN

Doctor Davis reported an apparent lack of necessity for activity by the subcommittee during 1951, but recommended the continuation of the subcommittee on a status quo basis, to be reactivated if and when the need arises.

ACTION The committee accepted the report.

XIII

REPORT OF SUBCOMMITTEE ON MEDICAL POLICIES & PRACTICES - DR. L. E. CURTIS, CHRMN

Doctor Curtis stated the subcommittee had considered a proposal for a questionnaire survey of members to determine what each company is doing in the field of industrial medicine, but that no action had been taken.

ACTION The progress report was accepted.

XIV

REPORT OF SUBCOMMITTEE ON PHYSIOLOGY OF THE SKIN - DR. ROBERT E. ECKARDT, CHRMN

On behalf of the subcommittee, Doctor Eckardt reported two recommendations for adoption and submittal to the Safety Committee of the Board, as follows:

1. That $2,500 of Medical Research Funds now on deposit should be contributed to the University of Cincinnati for the support of Kettering Laboratory's research on basic physiology of human skin for the six-month period ending June 30, 1952.

2. That $5,000 should be included in the 1952-53 budget for the continued support of this project for the year ending June 30, 1953.

ACTION The committee voted to adopt and to submit both recommendations to the Safety Committee of the Board.

XV

AROMATIC HYDROCARBONS

The committee reviewed this subject as outlined in Doctor Eckardt's letter of August 10, 1951 (which was circularized to members and associates on August 23) and other communications from members and associates.

ACTION Without objection, the chairman ruled that the subject should be tabled for further consideration at the next meeting.

XVI

NEW BUSINESS

(No item of new business was presented.)

XVII

TIME AND PLACE OF FIFTEENTH MEETING

ACTION The committee voted unanimously to hold its Fifteenth Meeting in Cincinnati, Ohio, on Friday and Saturday, April 18 and 19, 1952.

XVIII

CONCLUSION OF GENERAL SESSION

Upon the completion of general business, the general session was concluded with a brief recess preceding the holding of an executive session.

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EXECUTIVE SESSION

BUDGETS FOR 1951-1952 AND 1952-1953

The committee reviewed the status of the Medical Research Fund, the present and proposed obligations for expenditures, and the preliminary staff estimate on amount to be solicited in 1952, as follows:

Balance on deposit at API (10-1-51)		$ 83,431.84
Prospective expenditures prior to June 30, 1952:		
1. Carcinogenicity	$ 31,692.42	
2. Retainer for Professor Drinker	2,500.00	
3. Physiology of the Skin	2,500.00	
		36,692.42
Apparent balance June 30, 1952		46,739.42
Proposed solicitation of contributions 1952		100,000.00
Total available for fiscal year 1952-1953		146,739.42

Estimated maximum budget for 1952-1953:		
1. Carcinogenicity	$ 100,000.00	
2. Fluorides	2,500.00	
3. Physiology of the Skin	5,000.00	
4. Retainer for Professor Drinker	2,500.00	
5. Toxicological Reviews	6,000.00	
		116,000.00
Apparent balance June 30, 1953		$ 30,739.42

ACTION The committee voted to recommend the estimated maximum budget and the proposed solicitation of $100,000 in special contributions from interested oil companies for the support of the projects for the year ending June 30, 1953.

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IN APPRECIATION

In appreciation for his conscientious and efficient service as chairman during 1951, the committee tendered a vote of thanks to Doctor B. B. Reeve.

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The Fourteenth Meeting was adjourned.

Marshall Clinton, M.D.
Secretary

Approved:
B. B. Reeve, M.D.
Chairman

12-4-51

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November 5, 1951

Mr. W. L. Stewart, Jr.
Chairman, General Committee
Division of Refining
American Petroleum Institute
50 West 50th Street
New York 20, New York

Dear Sir:

Being informed of your suggestion for the formation of an Institute committee to study air-pollution problems, I believe you may be interested in reviewing briefly the extent to which these problems have been considered by the Institute's Medical Advisory Committee.

Several years ago, soon after the Donora incident, the Medical Advisory Committee discussed possible toxicities of petroleum industry pollutants in atmosphere and concluded that the potential problems of the industry in atmospheric pollution might develop in the field of public nuisance rather than in the field of public health; therefore, the committee dropped the subject from its agenda except to establish contact with the work of the Committee on Disposal of Refinery Wastes through the agency of a member who served on both committees.

In April 1951 the Medical Advisory Committee voted to appoint a Subcommittee on Atmospheric Pollutants to study ways and means of gathering information on the physiological effects of atmospheric pollutants and to report its recommendations to the next meeting.

When informed of your suggestion for the formation of an Institute committee to study air-pollution problems the subcommittee deferred action on its assignment and simply reported as a matter of record that the extent of health hazards which might result from petroleum industry pollutants in the atmosphere is indeterminate from data now available.

The Medical Advisory Committee tenders its services to the General Committee, Division of Refining, on medical phases of any problems arising in the work of the division.

Very truly yours,

/s/ B. B. Reeve M.D.
Chairman, API Medical Advisory Committee