

FILE NAME: Oil Industry and American Petroleum Institute (API)

DATE: 1946

DOC#: API020

DOCUMENT DESCRIPTION: Meeting Minutes & Attendee Lists with
Relevant Documents of the API Medical Advisory Committee

THIS AGREEMENT

Made January 8, 1946, between the American Petroleum Institute
(hereinafter called: "the Donor"), and the UNIVERSITY OF CINCINNATI,
(hereinafter called: "the University")

W I T N E S S E T H

WHEREAS, the American Petroleum Institute wishes the Kettering
Laboratory of Applied Physiology (hereinafter called: "the Laboratory") to
investigate the toxicity and mode of action of certain petroleum products to
be mutually agreed upon hereafter from time to time; and

WHEREAS, the University has approved such investigative work
by said Laboratory,

In consideration of the mutual promises hereinafter specified,

IT IS AGREED:

1. The Laboratory shall carry out such investigations within
the limits of its available facilities and scientific interests.
2. The Donor shall pay the University therefor the sum of
six thousand (6,000) dollars on or before February 1, 1946 and additional
sums in advance from time to time as may mutually be agreed upon as necessary
to prosecute projected experimental work for a definite period of time. At
the end of each fiscal year or other period agreed upon for the completion
of a specific project, the University shall refund to the Donor any unexpended
balance of any payment remaining after the investigative work has been
completed, or shall apply the balance to the continuance of such similar work
as may be agreed upon as desirable.
3. The name of the University or of the Laboratory or of any
member, officer or employee of the University or the Laboratory, shall not be
used in any advertising matter at any time during the progress of the work or
hereafter. A written report shall be made of the findings and such a report

January 9, 1946

Dr. Robert A. Kehoe
University of Cincinnati
College of Medicine
Eden Avenue
Cincinnati 19, Ohio

Dear Dr. Kehoe:

Pursuant to recommendation adopted by the Institute's Medical Advisory Committee at its meeting held in Chicago, Illinois on November 16th, 1945, we enclose 3 copies of form of agreement which has been executed on behalf of the American Petroleum Institute.

As soon as the agreement is executed by the Chairman and Clerk of the Board of Directors of the University of Cincinnati and two copies are returned to us we shall mail you a check in the amount of \$6,000.

We understand in the absence of any stipulation to the contrary that the American Petroleum Institute, as donor, does not assume any responsibility or liability with respect to research workers or the public incident to the project other than the donation of money as agreed.

Very truly yours,

DVS:d
Encs.

cc: Dr. McIver Moody
Dr. M. M. Newquist
Mr. Lacey Walker

UNIVERSITY OF CINCINNATI

CINCINNATI 19, OHIO

January 14, 1946

KETTERING LABORATORY OF APPLIED PHYSIOLOGY
COLLEGE OF MEDICINE—EDEN AVENUE

CABLE ADDRESS: KETLAB CINCINNATI
TELEPHONE: UNIVERSITY 2665

Mr. D. V. Stroop,
American Petroleum Institute,
50 West 50th Street,
New York City 20.

Dear Mr. Stroop:

Your letter of January 9 enclosing the copies of the agreements with the University of Cincinnati has been received with gratification on my part, and I trust we shall be able to justify the confidence in our work which is implied in the execution of this relationship.

Inasmuch as the agreement has been accepted on the part of the American Petroleum Institute without change, it will receive the automatic approval of the Board of Directors of the University. I have forwarded the documents to the University and in due course I shall transmit to you the duly signed copies.

You are quite right in the assumption that the American Petroleum Institute assumes no responsibility or liability in relation to our staff or the public in connection with our performance of this work. Under the terms of the agreement and in accordance with the policies of this Laboratory and the University, the University assumes all of such responsibilities.

We shall proceed as rapidly as possible to have everything in readiness to pursue an experimental program vigorously. Our present work program is rather heavy, and in the past several weeks it has closed in around us so that our present staff will have to be rearranged in some measure to prosecute this work. However, I think we shall be able to proceed without undue delay.

With kindest regards,

Cordially yours,


Robert A. Kehoe, M. D.

RAK ef

RD
File

TO MEMBERS AND ASSOCIATES OF SUBCOMMITTEE ON CARCINOGENICITY
OF THE MEDICAL ADVISORY COMMITTEE OF THE A.P.I.

Minutes

Gentlemen:

I am attaching a copy of the minutes of the recent meeting held on February 14, 1946.

It will be noted that the form letter requesting information on California stocks and which is to be addressed to various west coast refineries is attached to the minutes. It will be appreciated if those responsible for sending this letter to the various companies listed will handle this matter as quickly as possible.

M. N. NEWQUIST

cc: Dr. J. P. Harkins
Dr. A. M. Hodge
Dr. W. R. Lewis
Dr. W. R. Wooten
Mr. J. H. Atroop
Mr. J. H. Boush
Mr. J. H. Beard, Jr.
Mr. E. H. Zaidema
Mr. E. R. Warrick

MINUTES OF THE API MEDICAL ADVISORY COMMITTEE
SUBCOMMITTEE ON CARCINOGENICITY

A meeting of the API Medical Advisory Committee, Subcommittee on Carcinogenicity was held in the offices of The Texas Company on February 14, 1940. Those in attendance were as follows:

Dr. M. N. Newquist	The Texas Company
Dr. McIver Woody	Standard Oil Company of New Jersey
Dr. J. B. Holt	Standard Oil Company of New Jersey
Dr. A. E. Hoag	Soco-Vacuum Oil Company
Mr. L. C. Beard, Jr.	Soco-Vacuum Oil Company
Mr. Gene Scafe	Soco-Vacuum Oil Company
Mr. T. W. Nelson	Soco-Vacuum Oil Company
Mr. H. H. Zuidema	Shell Oil Company
Mr. Bendel	Standard Oil Company of New Jersey
Mr. M. F. Granville	The Texas Company
Mr. H. R. Warrick	The Texas Company

The purpose of the meeting was to select a refinery source or sources for the general types of samples proposed for the initial research work on the Carcinogenic Project. The general samples are listed below:

1. Domestic No. 2 Fuel Oils

- a. Straight run
- b. Thermal Recycle
- c. Houdry or TCC Recycle
- d. Fluid Recycle

2. Heavy Fuel Oils

- a. Straight Residual
- b. Thermal Tars
- c. Houdry or TCC Tars
- d. Fluid Tars

There was some discussion as to whether or not the above samples should be selected from special charge stocks not ordinarily processed by the various refineries or if the samples should be confined to those materials currently being processed. It was finally decided that the materials should be selected from current refinery operations and from those operations where the most naphthenic type charge stocks were being processed. It was generally recognized that it would be advantageous to have all of the samples available from a single crude source if possible, and it was suggested that perhaps refineries on the west coast would be the most suitable since most of these refineries operate on crudes from the same general source.

It was decided, therefore that a form letter, copy of which is attached, should be directed to the following oil companies on the west coast in order to determine whether or not satisfactory samples could be obtained from this source.

The following is a draft of a form letter to be sent to the companies shown below:

General Petroleum Corporation
Addressed to Mr. Gale Adams
cc - Dr. R. A. Jewett
Dr. Newquist will handle

Standard Oil Co. of Calif.
Addressed to Mr. F. H. Smith
cc - Dr. H. S. Thomson
Dr. Newquist will handle

Union Oil Company
Addressed to Mr. Don Carr
cc - Dr. W. A. Morrison
Dr. Newquist will handle

Shell Oil Co. of San Francisco
Addressed to
cc -
Mr. Zuidema will handle

Tidewater Associated Oil Company
Addressed to Mr. H. Y. Hyde
cc - Dr. J. F. Peattie
Dr. Newquist will handle

The Texas Company
Addressed to Mr. B. O'Connor
cc - Dr. Newquist
Mr. Warrick will handle

Dear Sir:

As you probably know, the American Petroleum Institute formed a Medical Advisory Committee last year. Your representative on this Committee is Dr. _____. One of the activities of the A.P.I. Medical Advisory Committee is to study the carcinogenic properties of hydrocarbons and for this purpose a sub-committee has been set-up. The problem immediately confronting said sub-committee on carcinogenicity is to determine whether or not petroleum products are dangerous in this respect. Particularly pertinent is how the products produced by the newer methods of refining and techniques compare with those which have been produced in the past and which past products have caused little or no trouble.

The A.P.I. Medical Advisory Committee has been allocated a sum of money by the American Petroleum Institute to investigate this matter and a project to this end has been established under the direction of Dr. Robert A. Kehoe at the Kettering Laboratories, University of Cincinnati. The first

Draft

- 2 -

After necessary tests had been made on samples of this
nature as to their stability, and the effect of
testing on them, it was decided that the samples
getting a good deal of catalytically cracked
cracked products, all from the same crude or same
and of a napthenic character, was to be found in
At this meeting the following set of eight samples was
necessary:

- | | |
|--|--|
| 1. Distillate Fuel Oils
(In general range of
No. 2 Fuel Oil accord-
ing to CS12-40) | 2. Residual Fuel Oils
(In general range of
No. 6 Fuel Oil accord-
ing to CS12-40) |
| a. Straight run | a. Straight run Residual |
| b. Thermal Recycle | b. Thermal Tars |
| c. Houdry or FCC Recycle | c. Houdry or FCC Tars |
| d. Fluid Recycle | d. Fluid Tars |

We would appreciate your advice as to which of the
eight samples listed above you would be able to supply. One
barrel of each sample would be required. We further request
that you take the tests on such samples as you might sup-
ply, in conformity with the attached tabulation. As previously
stated our objective, if possible, would be to obtain all
eight samples from the same crude or the same general type of
crude, or as closely realizing this objective as possible. A
similar letter has been addressed to the following companies:

General Petroleum Corporation
Union Oil Company
Tidewater Associated Oil Company
Standard Oil Company of California
Shell Oil Company of San Francisco
The Texas Company

Such letters were, in all cases, addressed to the technical
men in these companies on the Pacific Coast with carbon

Draft

- 3 -

sent to their Medical Doctors who are on the A.P.I. Medical Advisory Committee

After we have received from the companies to whom this letter is addressed and compiled the information relative to availability and preliminary test data, we will send a formal request to those companies whose samples most adequately meet our needs, for ^{ONE} ~~one~~ barrel of each sample. Specific shipping instructions will be supplied as soon as a decision is reached on the samples.

Your prompt attention in this matter, which is of wide industry interest, will be very much appreciated. Your reply should be addressed to the writer. It will not be necessary to send copies to those shown below:

Yours very truly,

cc: To Members and Technical Advisors of the A.P.I.
Sub-Committee on Carcinogenicity:

Members	Associates	Company
Dr. M.H. Newquist, Chairman	Mr. H.R. Warrick	The Texas Company
Dr. J.P. Hilt	Mr. R.S. Bonsib	Std. Oil Co. of (N.J.)
Dr. A. H. Hilt	Mr. L.C. Beard, Jr.	Socony-Vac. Oil Co.
Dr. W. H. Hilt	-	Sun Oil Company
-	Mr. H.H. Zuidema	Shell Oil Co.
Dr. Mervyn Woody	-	Std. Oil Co. of N.J.
Ex-officio	-	Amer. Pet. Inst.
Mr. D.V. Streep	-	
Ex-officio	-	

Draft

Attach. 1

Crude Source _____; Cracking Temperature
if available _____

Gravity, °API

Vis. Kinematic at 100°F. (on distillates)

Vis. Kinematic at 210°F. (on residuals)

Aniline Cloud Point (on distillates)

Sulfur, Bomb, %

Nitrogen, Kjeldahl, %

Sulfuric Acid Adsorption, % by vol, ASTM Method ES-45
(on distillates)

Bromine No., Meilhuysen Method; (on distillates)

Distillation:*

10%

50%

90%

Final

% off at final boiling point

*On resid. surface distillation to cracking point only and
report this point.

STOCKS AVAILABLE FOR CARGING

DOMESTIC NO. 2 F.

Company Crude Source	---Socony-Vacuum---		---Shell Oil---		The Texas Co.		S
	Mid-		Mid-	West	Gulf		
Distillate Source	Continent	Mirando	Continent	Texas	Coast	Mixed	Co
	-----Straight Run-----						---
Inspections							
Gravity, °API	24.4	43.2	37.7	37.0	25.2	32.5	
Aniline Pt., °F.	126.5	-	-	-	-	-	
Visc. SUS at 100°F.	52.5	-	-	-	46	44	
ASTM Distillation							
IBP	415	320	426	388	495	464	
10%	469	380	480	440	-	-	
50%	550	440	544	490	566	542	
90%	-	518	612	560	-	632	
	748						
KP	748	554	666	618	-	-	

3. REFINED

Oil

Visc.	Shell Oil	The Texas Co.	Mid-Continent		Shell Oil	The Texas Co.
Agent	W. Texas	Mixed	Continent	Mirando	West Texas	Calif.
Thermally Cracked			Catalytically Cracked			
7.1	20.9	25.9	31.5	22.5	25.2	30.0
-	-	32.8	-	35.7	-	34.0
232	-	355	268	440	436	42
450	-	394	419	462	484	446
542	-	465	546	488	529	482
676	700 (86% over)	574	670	-	592	560
-	-	665	-	592	632	-

STOCKS AVAILABLE FOR

HEAVY

Company	<u>--Socony Vacuum--</u>		<u>The Texas Co.</u>	<u>--Socony Vacuum--</u>	
Crude Source	<u>Mid-</u>			<u>Mid-</u>	
	<u>Continent</u>	<u>Mirando</u>	<u>----Mixed----</u>	<u>Continent</u>	<u>Mirando</u>
Residual Source	<u>-----Straight Run-----</u>			<u>-----The</u>	
Inspections					
Gravity, °API	22.3	13.5	17.5	13.6	14.8
Visc. SUS at 100°F.	-	-	-	-	-
SF at 122°F.	-	-	141	110	-
SF at 210°F.	-	147	-	-	47.2
Flash	-	-	-	-	-
ASTM Distillation					
IBP	482	510	-	-	-
10%	636	640	-	-	-
50%	-	728	-	-	-
90%	-	-	-	-	-
EP	-	-	-	-	-

GENIC INVESTIGATION

OILS

<u>Shell Oil</u>	<u>The Texas Co.</u>	<u>--Socony-Vacuum--</u>	<u>Shell Oil</u>	<u>The Texas Co.</u>
<u>West Texas</u>	<u>----Mixed----</u>	<u>Mid-</u>	<u>West Texas</u>	<u>-California--</u>
<u>ly Cracked-----</u>		<u>Continent</u>	<u>Mirando</u>	<u>Catalytically Cracked-----</u>
12.0	6.7	23.7	6.8	23.4
-	-	-	-	17.1
-	172	-	-	57
-	-	-	-	-
185	-	-	-	-
-	-	470	462	571
-	-	600	562	428
-	-	680	631	608
-	-	-	-	640
-	-	-	-	682
-	-	-	-	760
-	-	-	-	-

April 5, 1946

SUBCOMMITTEE ON CARCINOGENICITY
OF HYDROCARBONS
PROGRESS REPORT

Dr. McIver Woody, Chairman
Medical Advisory Committee
American Petroleum Institute

Dear Doctor Woody:

Pursuant to the recommendations of the Medical Advisory Committee of the A.P.I. at its meeting in Chicago, November 16, 1945, the Kettering Laboratory of Applied Physiology was selected to conduct the study on carcinogenicity of petroleum samples selected by this Committee.

On January 9, 1946, Mr. D. V. Stroop, in behalf of the American Petroleum Institute, signed the forms of agreement with the University of Cincinnati pertaining to the study to be made, and, in a letter dated February 6, 1946, to the members of the Medical Advisory Committee, he reported the consummation of the working agreement with the University. An initial check for \$6,000 will be sent to the University to be applied against the costs of the study. It is impossible at this time to state the time that will be required to complete the study and the costs thereof. The Kettering Laboratory will charge to this project the costs of the salaries of persons working on the study according to the time spent on it, travelling expenses that may be incurred in this connection, the cost of materials, animals, etc., plus pro rata charges of overhead such as light, heat, telephone, pension and insurance charges, etc.

Dr. Robert A. Kehoe, in a letter dated January 23, 1946, to me, expressed concern about the volume of work which would be associated with the eight samples to be submitted to him by our Committee. He stated that it would be some time before he would be able to obtain and maintain a colony of mice which would be ample to carry on a pro-

gram of the anticipated magnitude. He also questioned the necessity for using coal tar as a control study. In a letter from Dr. Kehoe, dated March 30, 1946, he acknowledged without further reservations the scope of the work to be assigned to him, commenting also that while deliveries on mice might be a little slow, he has several sources of supply and presumably will be able to obtain adequate stock eventually.

At a meeting of the Subcommittee held in New York on February 14, 1946, it was decided to select stocks from the West Coast inasmuch as samples from that area would be naphthenic and from essentially the same crude source. (See copy of minutes attached.) Six major companies on the West Coast were written in this connection and to date we have received replies as to availability and test data on distillate and residual fuels from the following:

General Petroleum Corp.
Standard Oil Co. of Calif.
The Texas Company

As soon as we hear from Shell, Union, and Tidewater Associated, it is planned to hold another meeting of the Subcommittee to select eight suitable samples.

It has been concluded by the Subcommittee to request one barrel of each sample selected to be stored under proper conditions at a point yet to be agreed upon. Suitable amounts, one gallon of each sample, will be shipped to Dr. Kehoe as required. It is hoped to have these samples delivered to Dr. Kehoe some time in May.

Questions which might be appropriate for discussion at this meeting are:

1. Selection of a suitable storage point for the petroleum samples?

Dr. McIver Woody

3 -

4/5/46

2. Determination as to who should pay shipping charges for the petroleum samples?
3. Should petroleum laboratories be utilized in preference to the Kettering Laboratory for any indicated analytical work in connection with the samples used in this study, and, if so, how should charges for this work be handled?

Respectfully submitted,

SUBCOMMITTEE ON CARCINOGENICITY
OF HYDROCARBONS

M. N. Newquist

M. N. Newquist, Chairman
Dr. A. E. Hoag
Dr. J. P. Holt
Dr. W. R. Levis

Technical Advisors

Mr. H. R. Warrick
Mr. L. C. Beard
Mr. R. S. Bonsib
Mr. H. E. Kemmerer--Mr. H. H. Zuidema

cc - Medical Advisory Committee Members
Mr. D. V. Stroop

MINUTES OF THE API MEDICAL ADVISORY COMMITTEE
SUBCOMMITTEE ON CARCINOGENICITY

A meeting of the API Medical Advisory Committee, Subcommittee on Carcinogenicity was held in the offices of The Texas Company on February 14, 1946. Those in attendance were as follows:

Dr. M. N. Newquist	The Texas Company
Dr. McIver Woody	Standard Oil Company of New Jersey
Dr. J. P. Holt	Standard Oil Company (New Jersey)
Dr. A. E. Hoag	Socony-Vacuum Oil Company
Mr. L. C. Beard, Jr.	Socony-Vacuum Oil Company
Mr. Gene Scafe	Socony-Vacuum Oil Company
Mr. T. W. Nelson	Socony-Vacuum Oil Company
Mr. H. H. Zuidema	Shell Oil Company
Mr. Bendel	Standard Oil Company (New Jersey)
Mr. M. F. Granville	The Texas Company
Mr. H. R. Warrick	The Texas Company

The purpose of the meeting was to select a refinery source or sources for the general types of samples proposed for the initial research work on the Carcinogenic Project. The general samples are listed below:

- | | |
|------------------------------------|---------------------------|
| 1. <u>Domestic No. 2 Fuel Oils</u> | 2. <u>Heavy Fuel Oils</u> |
| a. Straight run | a. Straight Residual |
| b. Thermal Recycle | b. Thermal Tars |
| c. Houdry or TCC Recycle | c. Houdry or TCC Tars |
| d. Fluid Recycle | d. Fluid Tars |

There was some discussion as to whether or not the above samples should be selected from special charge stocks not ordinarily processed by the various refineries or if the samples should be confined to those materials currently being processed. It was finally decided that the materials should be selected from current refinery operations and from those operations where the most naphthenic type charge stocks were being processed. It was generally recognized that it would be advantageous to have all of the samples available from a single crude source if possible, and it was suggested that perhaps refineries on the west coast would be the most suitable since most of these refineries operate on crudes from the same general source.

It was decided, therefore, that a form letter, copy of which is attached, should be directed to the following oil companies on the west coast in order to determine whether or not satisfactory samples could be obtained from this source. It was further decided to contact only those companies having representatives on the API Medical Advisory Committee:

Oil Companies to which Form
Letters are to be Sent
General Petroleum Corp.
Union Oil Company
Tidewater Associated Oil Co.
Standard Oil Co. of Calif.
Shell Oil Company
The Texas Company

Form Letters to be
Handled by
L. C. Beard, Jr.
M. N. Newquist
M. N. Newquist
M. N. Newquist
H. H. Zuidema
H. R. Warrick

Although it was decided to concentrate on securing samples from California stocks, nevertheless, tests on various samples available on the east coast were submitted and tabulated.

There was also some discussion as to the physical tests which should be obtained on the various samples prior to their investigation by the Kettering Laboratory. It was believed that by securing certain physical and chemical tests it might be possible to ultimately develop information which would be helpful in determining which materials had Carcinogenic properties and which had not. It was decided, however, to discuss this matter in more detail after the samples had been secured. It was further decided that the necessary testing and analysis could best be done by petroleum laboratories, thus relieving the Kettering Laboratory of this additional burden.

Mr. Zuidema stated that Dr. Cowdry of the Barnard Free Skin and Cancer Hospital was conducting a number of tests for Shell on thermal and catalytic gas oils from once-through operations. These tests have been in progress for seven months and all indications are that neither oil has Carcinogenic properties.

HRW-VBN
2/19/46

H. R. WARRICK
Secretary

The following is a draft of a form letter to be sent to the companies shown below:

General Petroleum Corporation
Addressed to Mr. Gale Adams
cc - Dr. R. A. Jewett
Mr. Beard will handle

Standard Oil Co. of Calif.
Addressed to Mr. F. H. Smith
cc - Dr. H. S. Thomson
Dr. Newquist will handle

Union Oil Company
Addressed to Mr. Don Carr
cc - Dr. W. A. Morrison
Dr. Newquist will handle

Shell Oil Co. of San Francisco
Addressed to
cc -
Mr. Zuidema will handle

Tidewater Associated Oil Company
Addressed to Mr. H. V. Hyde
cc - Dr. J. F. Peattie
Dr. Newquist will handle

The Texas Company
Addressed to Mr. B. O'Connor
cc - Dr. Newquist
Mr. Warrick will handle

Dear Sir:

As you probably know, the American Petroleum Institute formed a Medical Advisory Committee last year. Your representative on this Committee is Dr. _____. One of the activities of the A.P.I. Medical Advisory Committee is to study the carcinogenic properties of hydrocarbons and for this purpose a sub-committee has been set up. The problem immediately confronting said sub-committee on carcinogenicity is to determine whether or not petroleum products are dangerous in this respect. Particularly pertinent is how the products produced by the newer methods of refining and techniques compare with those which have been produced in the past and which past products have caused little or no trouble.

The A.P.I. Medical Advisory Committee has been allocated a sum of money by the American Petroleum Institute to investigate this matter and a project to this end has been established under the direction of Dr. Robert A. Kehoe at the Kettering Laboratories, University of Cincinnati. The first step necessary is to get a proper set of samples for investigation as to their carcinogenicity, and the sub-committee at a meeting held on February 14, felt that the best chance of getting straight run, catalytically cracked, and thermally cracked products, all from the same crude or same type of crude

and of naphthenic character, was to be found in California. At this meeting the following set of eight samples was deemed necessary:

- | | |
|---|---|
| 1. Distillate Fuel Oils
(In general range of
No. 2 Fuel Oil according to CS12-40) | 2. Residual Fuel Oils
(In general range of
No. 6 Fuel Oil according to CS12-40) |
| a. Straight run | a. Straight run Residual |
| b. Thermal Recycle | b. Thermal Tars |
| c. Houdry or TCC Recycle | c. Houdry or TCC Tars |
| d. Fluid Recycle | d. Fluid Tars |

We would appreciate your advice as to which of the eight samples listed above you would be able to supply. One barrel of each sample would be required. We further request that you tabulate the tests on such samples as you might supply, in conformity with the attached tabulation. As previously stated our objective, if possible, would be to obtain all eight samples from the same crude or the same general type of crude, or as closely realizing this objective as possible. A similar letter has been addressed to the following companies:

General Petroleum Corporation
Union Oil Company
Tidewater Associated Oil Company
Standard Oil Company of California
Shell Oil Company of San Francisco
The Texas Company

Such letters were, in all cases, addressed to the technical men in these companies on the Pacific Coast with carbon copies sent to their Medical Doctors who are on the A.P.I. Medical Advisory Committee.

After we have received from the companies to whom this letter is addressed and compiled the information relative to availability and preliminary test data, we will send a formal request to those companies whose samples most adequately meet our needs, for one barrel of each sample. Specific shipping instructions will be supplied as soon as a decision is reached on the samples.

Your prompt attention in this matter, which is of wide

industry interest, will be very much appreciated. Your reply should be addressed to the writer. It will not be necessary to send copies to those shown below.

Yours very truly,

cc: To Members and Technical Advisors of the A.P.I.
Sub-Committee on Carcinogenicity:

<u>Members</u>	<u>Associates</u>	<u>Company</u>
Dr. M. N. Newquist, Chairman	Mr. H.R. Warrick	The Texas Company
Dr. J. P. Holt	Mr. R.S. Bonsib	Std. Oil Co. (N.J.)
Dr. A. E. Hoag	Mr. L.C. Beard, Jr.	Socony-Vac. Oil Co.
Dr. W. R. Lewis	-	Sun Oil Company
-	Mr. H. H. Zuidema	Shell Oil Co.
Dr. McIver Woody	-	Std. Oil Co. of N.J.
Exofficio	-	Amer. Pet. Inst.
Mr. D. V. Stroop	-	
Exofficio	-	

Letter to Dr. Kahoe

July 2, 1946

Dr. Robert A. Kahoe
University of Cincinnati
College of Medicine
Eisen Avenue
Cincinnati 19, Ohio

Dear Doctor Kahoe:

Please pardon my slowness in making this reply to your letter of April 25 which was referred to the members of the Subcommittee on Carcinogenicity for consideration and comment.

Based upon comment we have received, we can assure you that it will be in order for you to charge to the API account any reasonable traveling expenses incurred in making trips necessary to the prosecution of the API research project.

Very truly yours,

DVS:d
cc: Members and Associates
of Subcommittee on Carcinogenicity

THE TEXAS COMPANY
135 EAST 42ND STREET
NEW YORK 17, N.Y.

M. N. NEWQUIST, M.D.
MEDICAL DIRECTOR

June 26, 1946

Subcommittee on Carcinogenicity
Medical Advisory Committee-A.P.I.

Mr. D. V. Stroop
American Petroleum Institute
40 West 50th Street
New York, New York

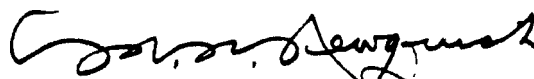
Dear Mr. Stroop:

Please refer to Dr. R. A. Kehoe's letter of April 25, 1946, to you, relative to traveling expenses in connection with the above research project being charged to the funds advanced by the A.P.I.

I discussed this subject on the telephone, today, with Dr. Woody and Dr. Holt (Dr. Hoag was out of the City), and we concur in the thought that it would be in order for Dr. Kehoe to charge to the A.P.I. account reasonable traveling expenses incurred in making certain trips that would be helpful in prosecuting the above research project.

If it meets with your approval, will you kindly inform Dr. Kehoe accordingly.

Very truly yours,



M. N. Newquist, M.D.

MMN-IPW

cc - Dr. J. P. Holt
Dr. A. E. Hoag
Dr. W. R. Levis
Dr. McI. Woody

Mr. R. S. Bonsib
Mr. H. P. Lankelma
Mr. L. C. Beard, Jr.
Mr. H. H. Zuidema
Mr. H. R. Warrick

*Copy for D.V.S. for information of members of S.C. on
bearing jointly with agent for commit.*

UNIVERSITY OF CINCINNATI

CINCINNATI 19, OHIO

April 25, 1946

LETTERING LABORATORY OF APPLIED PHYSIOLOGY
COLLEGE OF MEDICINE—EDEN AVENUE

CABLE ADDRESS: KETLAB, CINCINNATI
TELEPHONE: UNIVERSITY 2665

Mr. D. V. Stroop,
American Petroleum Institute,
50 West 50th Street,
New York City 20.

Dear Mr. Stroop:

I have had an exchange of correspondence with Dr. Newquist concerning the samples of material which are to be supplied to us for our investigation of certain petroleum products. We are now agreed on what is to be done, and we are getting our house in order for initiating the work, while we are waiting for the materials which we are to study.

It has occurred that there are several good reasons why we should attack this problem with great care. We have reviewed the literature to a very considerable degree, but in addition to that I think we should interview a number of people who have had a considerable background of experience in work of this type. Among these are the people at the National Institute of Health and at the New York Memorial Hospital. In a conference with Dr. Heyroth and Dr. Kitzmiller a few days ago I suggested to them the advisability of visiting Washington and New York. As you know, I had originally planned to consult with people of this type in the course of my ordinary movements about the country. For a number of reasons I was unable to accomplish this, and the demands on my own time are such, and actually have been for some months, that I have wished to make as much use of the assistance of other men as possible. In this instance I have considered it desirable both from my own viewpoint and from the technical end of the problem to ask the full assistance of Dr. Heyroth and Dr. Kitzmiller. Dr. Heyroth, in addition to being a doctor of medicine has had broad training in organic and physiological chemistry, while Dr. Kitzmiller is a pathologist with a broad background of training and experience. The two men working together will be able to handle the technical background of this problem much more effectively than I could, and therefore I am not proposing to step out from under my own responsibilities, but am rather attempting to apply to this problem the close attention that it requires. All of this is in line with our general policy, in this program, of calling upon the assistance of other people if and when it seems wise to do so. If we can maintain somewhat informal relationships with the other people working in this field, we shall know when to call upon them for help.

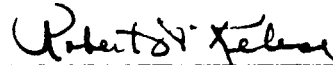
I have gone to some length to explain my point of view for the reason that I should like to be sure of our position with reference to expenditures for traveling expenses in making such trips of this sort

Mr. D. V. Stroop - (2) - April 25, 1946

as may be advisable from time to time. I should be very grateful to you if you would let me have the benefit of your ideas on this subject. It may be that through some official means you might wish to authorize with certain limitations, expenditures for this purpose. On the other hand, if it is your feeling and that of your associates, that the funds made available to us up to the present are for purely experimental purposes, we shall be guided accordingly. I just want to be sure of my grounds, so that I shall neither neglect the responsibilities that have been put into my hands, or exceed them. It has been my experience that misunderstandings over small matters can be productive of much ill will, and therefore I should like to be clear with respect to details.

With kindest personal regards,

Sincerely yours,



Robert A. Kehoe, M. D.

RAK ef

4-29-46.

UNIVERSITY OF CINCINNATI

Cincinnati 19, Ohio

Kettering Laboratory of Applied Physiology
College of Medicine - Eden Avenue

April 25, 1946

Mr. D. V. Stroop
American Petroleum Institute
50 West 50th Street
New York 20, N.Y.

Dear Mr. Stroop:

I have had an exchange of correspondence with Dr. Newquist concerning the samples of material which are to be supplied to us for our investigation of certain petroleum products. We are now agreed on what is to be done, and we are getting our house in order for initiating the work, while we are waiting for the materials which we are to study.

It has occurred that there are several good reasons why we should attack this problem with great care. We have reviewed the literature to a very considerable degree, but in addition to that I think we should interview a number of people who have had a considerable background of experience in work of this type. Among these are the people at the National Institute of Health and at the New York Memorial Hospital. In a conference with Dr. Heyroth and Dr. Kitzmiller a few days ago I suggested to them the advisability of visiting Washington and New York. As you know, I had originally planned to consult with people of this type in the course of my ordinary movements about the country. For a number of reasons I was unable to accomplish this, and the demands on my own time are such, and actually have been for some months, that I have wished to make as much use of the assistance of other men as possible. In this instance I have considered it desirable both from my own viewpoint and from the technical end of the problem to ask the full assistance of Dr. Heyroth and Dr. Kitzmiller. Dr. Heyroth, in addition to being a doctor of medicine has had broad training in organic and physiological chemistry, while Dr. Kitzmiller is a pathologist with a broad background of training and experience. The two men working together will be able to handle the technical background of this problem much more effectively than I could, and therefore I am not proposing to step out from under my own responsibilities, but am rather attempting to apply to this problem the close attention that it requires. All of this is in line with our general policy, in this program, of calling upon the assistance of other people if and when it seems wise to do so. If we can maintain somewhat informal relationships with the other people working in this field, we shall know when to call upon them for help.

I have gone to some length to explain my point of view for the reason that I should like to be sure of our position with reference to expenditures for traveling expenses in making such trips of this sort as may be advisable from time to time. I should be very grateful to you if you would let me have the benefit of your ideas on this subject. It may be that through some official means you might wish to authorize with certain limitations, expenditures for this purpose. On the other hand, if it is your feeling and that of your

Mr. D. V. Strop - (2) - April 25, 1946.

associates, that the funds made available to us up to the present are for purely experimental purposes, we shall be guided accordingly. I just want to be sure of my grounds, so that I shall neither neglect the responsibilities that have been put into my hands, or exceed them. It has been my experience that misunderstandings over small matters can be productive of much ill will, and therefore I should like to be clear with respect to details.

With kindest personal regards,

Sincerely yours,

/s/ Robert A. Kehoe
Robert A. Kehoe, M.D.

RAK ef

AMERICAN PETROLEUM INSTITUTE

50 WEST 50TH STREET

NEW YORK 20, N. Y.

July 2, 1946

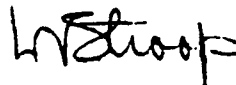
Dr. Robert A. Kehoe
University of Cincinnati
College of Medicine
Eden Avenue
Cincinnati 19, Ohio

Dear Doctor Kehoe:

Please pardon my slowness in making this reply to your letter of April 25 which was referred to the members of the Subcommittee on Carcinogenicity for consideration and comment.

Based upon comment we have received, we can assure you that it will be in order for you to charge to the API account any reasonable traveling expenses incurred in making trips necessary to the prosecution of the API research project.

Very truly yours,



D. V. Stroop

DVS:d

cc: Members and Associates
of Subcommittee on Carcinogenicity