

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

DATE: 1951 June & July

DOC#: API025

DOCUMENT DESCRIPTION: Letters, Memos, Reports, Financial Reports & Other Relevant Documents from June & July, 1951

UNIVERSITY OF CINCINNATI
DEPARTMENT OF PREVENTIVE MEDICINE AND INDUSTRIAL HEALTH

January 12, 1951

THE KETTERING LABORATORY
COLLEGE OF MEDICINE—EDEN AVENUE
CINCINNATI 19, OHIO

12C
FILE

CABLE ADDRESS: KETLAB, CINCINNATI
TELEPHONE: CAPITOL 1434

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

Dear Mr. Stroop:

I herewith acknowledge with thanks receipt of American Petroleum Institute's check in the amount of \$9,065.12, covering payment due January 1, 1951 for experimental work to be done on their behalf.

Very truly yours,

E. R. Fortlage
E. R. Fortlage, Secretary to
Dr. Kehoe

ef

1-15-51 1452

API 05050

January 23, 1951

Doctors Kieffer Davis
M. H. Norquist
B. B. Neave
McIver Woody

Gentlemen:

For your consideration we enclose copy of
letter dated January 23 from Doctor Kahoe in reply to
my letter of December 20.

Very truly yours,

DVE:s
Enclosure
cc: Dr. Robert A. Kahoe

API 05051

UNIVERSITY OF CINCINNATI
DEPARTMENT OF PREVENTIVE MEDICINE AND INDUSTRIAL HEALTH

January 23, 1951

THE KETTERING LABORATORY
COLLEGE OF MEDICINE—EDEN AVENUE
CINCINNATI 19, OHIO

CABLE ADDRESS: KETLAB, CINCINNATI
TELEPHONE: CAMTOL 234

*To whom did
we send copy
of our letter
12-20-50
Kelley?*

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

Dear Mr. Stroop:

Thanks very much for your letter of December 20 to which my reply has been delayed because of a brief holiday at Christmas time and because of the difficulties of gathering up all of the ends since.

I write primarily to call your attention to a fact that is of some consequence in connection with the fourth paragraph of your letter. As it happens, Doctor Townsend has retired from his activities in the Industrial Hygiene Division of the United States Public Health Service, and his place is being taken officially on February 1 by Doctor Seward Miller. My own acquaintance with Doctor Miller is utterly indirect, but he is well known to Doctor Phair, and we have no doubt that we shall be able to maintain wholly satisfactory relationships with him and with his whole group. The fact that this group is in Cincinnati, and that they have actually gone out of their way to create and maintain good relations with all of us, is sufficient indication, I think, of how the wind blows. There is no reason that I can see why you might not find out the reactions of your people toward our collaboration with Doctor Miller, in a manner as close as that of our collaboration with Jim Townsend. Obviously, we shall proceed with every possible care and discretion, and we shall also undertake to know how the present situation develops in this phase of the work of the Public Health Service. All I can say at present, is that one or two of the people we know rather well in the group are rather pleased by the appointment of Doctor Miller, and feel that it augurs well for the future. We shall keep our own counsel on this matter, but will certainly do everything we can to maintain wholly satisfactory relationships.

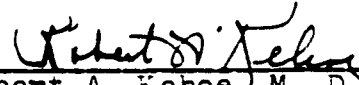
You will be interested in knowing that the financial support for the continuation of our investigations on fluorides has now been assured. The original agreements with the sponsors in this relationship terminated at the end of December. However, all of the people continued in their interest in the matter, with the single exception of the Du Pont group, who may well have had good reasons for following up more extensive interests in other directions. At any rate, they are sponsoring other work here in the Laboratory, and therefore we do not feel any great let down from their decision. Their place has been taken, in the financial sense, by the Tennessee Valley Authority. Moreover, we anticipate obtaining additional funds from other sources, and I am making such efforts in that direction as seem feasible. In any case, we shall be able to continue through the present year on an unabated scale of investigation.

API 05052

Mr. D. V. Strop - (2) - January 23, 1951

With kindest personal regards,

Sincerely yours,


Robert A. Kehoe, M. D.

RAK ef

API 05053

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

*FILE
Medical Adv
Committee*

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

December 12, 1950

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

Dear Mr. Stroop:

After discussing with you Dr. Kehoe's letter of November 15, 1950, I have come to the following conclusions:

1. Sending a copy of the report to Dr. Hine seems to be in order.
2. The studies on the carcinogenicity of certain petroleum fractions at the Kettering Laboratory are continuing and Dr. Kehoe's report rendered prior to the recent API meeting is in the nature of a progress report. Therefore, distribution of this report should be very definitely limited. The Medical Advisory Committee of the API has recommended the exchange of information as we go along, with the Institute of Petroleum in London which has been represented by Colonel S. J. M. Auld. I would be in favor of letting Colonel Auld have two or three copies for the use of his committee. If he or the committee of the IP wish to release any or all of the information in Dr. Kehoe's report to Dr. John Rogan of the Medical Research Council which is a governmental setup, I presume that would be his own business. I do not think that it is our place to recommend it.
3. In connection with Dr. Townsend, I think we should drag our feet for some time yet. The principle expressed in Item 2, above, is applicable in that the studies are under way and this is only a progress report. Therefore, a report should not be rendered to Dr. Townsend at this time.

API 05054

3. Dr. Heyroth should be able to handle his situation on a verbal basis only and I feel that that will satisfy the parties concerned for the time being.
4. Dr. Kehoe's comments with reference to the hydrofluoric acid review seems to be appropriate.

Very truly yours,



M. N. Newquist, M. D.

MNN-gh

cc: Doctors. Kieffer Davis
B. B. Reeve
McIver Woody

December 20, 1950

Dr. Robert A. Kehoe
University of Cincinnati
Kettering Laboratory of Applied Physiology
Cincinnati 19, Ohio

Dear Doctor Kehoe:

This reply to your letter of November 15 has been delayed by my absences from New York and my wish to discuss your recommendations with Doctor Woody, who continues to serve as chairman of the Subcommittee on Carcinogenicity until December 30, and with Doctor Newquist, who will become the subcommittee chairman on or soon after January 1.

We shall be very glad to take care of the request you received from Doctor Hime.

Similarly we shall take prompt action on your suggestion about Doctor John Hogan. As soon as the minutes of the Los Angeles meeting are completed Doctor Woody, as chairman of the Subcommittee on Carcinogenicity, will send copies of them with copies of the Kettering reports to Colonel Auld, in accordance with the informal cooperative arrangement as established some time ago. In his letter of transmittal Doctor Woody will state your recommendation about Doctor John Hogan.

The relationship between Doctor Townsend and his group and the Medical Advisory Committee is still a bit hazy. He was invited to attend the committee meeting in Los Angeles, and I feel sure the committee will wish him to have such information as would have been available to him at the meeting; however, the means to that end are worthy of further consideration. We shall endeavor to secure a consensus on this means in the reasonably near future.

Please accept our thanks for your comment about Doctor Heyroth.

Your comment on the hydrofluoric acid Review is appreciated. A copy is being sent to Doctor Clinton. I am sure he will write to you if any question arises.

Very truly yours,

DVB:6

cc: Doctors Kleffer Davis
M. H. Newquist
B. B. Reeve
Malver Woody

API 05056

December 7, 1950

Doctor M. H. Newquist
Doctor MaIver Woody

Gentlemen:

Enclosed rough-draft reply to Doctor Kahoe's letter of November 15 (a copy of which is enclosed) has been prepared in line with our recent conversation. Please read it critically. If you have suggestions for changes please let me have them on or before December 14. In the absence of objections received by that time the letter will be mailed to Doctor Kahoe.

Very truly yours,

DVB:s
Enclosure

cc: Dr. Kieffer Davis
Dr. B. B. Reeve

API 05057

COPY

COPY

UNIVERSITY OF CINCINNATI

Department of Preventive Medicine and Industrial Health

The Kettering Laboratory
College of Medicine - Eden Avenue
Cincinnati 19, Ohio

November 15, 1950

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

Dear Mr. Stroop:

I should have made an occasion for talking with you at Los Angeles, but time sped and seemed to be filled, so that I must write about a few matters.

With respect to the distribution of our report, I have a note from Doctor Hine, who attended the meeting on behalf of Shell, requesting a copy of the report. You will know whether or not he is entitled to it, and if he is, and if a copy is available, you can act accordingly. His address is 4360 Horton Street, Emeryville, California. Actually, in the position occupied by Shell with respect to medical representation, it is advantageous to be able to deal with a physician associated with their activities.

When I was in London I met with the group working on the British problem through the courtesy of Doctor John Hogan of the Medical Research Council, who is the executive secretary of the functioning group. Colonel S. J. M. Auld works with this group and was at the meeting. It is my considered recommendation that in forwarding a copy of the report to Colonel Auld, for the British Petroleum Institute, an additional copy be made available to Doctor Hogan either through Colonel Auld or directly. This is a highly responsible group with whom we, professionally speaking, should work very closely, and with whom, the industry, including that in this country, should be on the best and frankest terms. I hope to be able to have Doctor Horton or Doctor Heyroth visit some of these men in the not too distant future, in order to take advantage of their experience in this field of work. Having made the association necessary to collaboration with them I wish to follow through with appropriate courtesy. I shall want to write to Doctor Hogan in relation to this matter, and therefore your action, your viewpoint, and the wishes of A.P.I. in the matter will determine, in part, what I shall say. Since Colonel Auld will discuss this matter with these people in any case, we should take the additional action necessary to reap the utmost in good will by the exercise of every courtesy.

There is also the question of our relationship with Doctor Townsend and his group. I should like Townsend to have a copy of the report for his information. This can be made as confidential as may be desired, either by my dealing with him directly and in confidence, or by his being supplied with a report from your office.

The additional point is that of Doctor Heyroth's relationship to the Panel on Environmental Cancer of the National Research Council. The report need not be made available here, but it will be necessary for Heyroth to deal frankly with his colleagues on this Panel, with respect to the

API 05058

Mr. D. V. Stroop - 2 - November 15, 1938

purpose, scope, methods and eventually the results of this work and other work we do in this field. He can take care of himself and of this situation in an appropriate manner, but it is obvious that he cannot act in any kind of secrecy with respect to the petroleum industry, except in respect to strictly confidential information.

Finally, having gone over the reviews recently put out before publication, I have certain editorial suggestions to offer on the material on Hydrofluoric acid. I spoke to Marshall Clinton about these very minor matters, so that my criticism will come as no shock to him. I would make my recommendations to him directly, except for the fact that it is good form to deal through you. I attach hereto a copy of the review with the suggestions for change written in in pencil on pg. 6 and 7. My precise words are of no significance, but the ideas represented by them will, I think, be reasonably clear. If there is any question on Clinton's part, I'd be glad to correspond with him.

All in all the meeting in Los Angeles was gratifying to me. Progress is being made on a number of fronts, slowly but surely.

With kindest regards,

Cordially yours,

/s/ Robert A. Kahoe

Robert A. Kahoe, M. D.

RAK:cf

Enc.

ROUGH DRAFT

Dr. Robert A. Kehoe
University of Cincinnati
Kettering Laboratory of Applied Physiology
Cincinnati 19, Ohio

Dear Doctor Kehoe:

This reply to your letter of November 15 has been delayed by my absence from New York and my wish to discuss your recommendations with Doctor Woody, who continues to serve as chairman of the Subcommittee on Carcinogenicity until December 30, and with Doctor Norquist, who will become the subcommittee chairman on or soon after January 1.

We shall be very glad to take care of the request you received from Doctor Hine.

Similarly we shall take prompt action on your suggestion about Doctor John Rogan. As soon as the minutes of the Los Angeles meeting are completed Doctor Woody, as chairman of the Subcommittee on Carcinogenicity, will send copies of them with copies of the Kettering reports to Colonel Auld, in accordance with the informal cooperative arrangement as established some time ago. In his letter of transmittal Doctor Woody will state your recommendation about Doctor John Rogan.

The relationship between Doctor Townsend and his group and the Medical Advisory Committee is still a bit hazy. He was invited to attend the committee meeting in Los Angeles, and I feel sure the committee will wish him to have such information as would have been available to him at the meeting; however, the means to that end are worthy of further consideration. We shall endeavor to secure a consensus on this means in the reasonably near future.

Please accept our thanks for your comment about Doctor Heyroth.

Your comment on the hydrofluoric acid Review is appreciated. A copy is being sent to Doctor Clinton. I am sure he will write to you if any question arises.

Very truly yours,

To be signed by D. V. Streep

DVB:10

cc: Doctors. Elieffer Davis
M. E. Norquist
B. E. Reeve
McIver Woody

API 05060

from the office of

11/21/50

DAVID V. STROOP

o DOCTOR McIVER WOODY

PLS NOTE AND RETURN
TO
DV STROOP

1

UNIVERSITY OF CINCINNATI
DEPARTMENT OF PREVENTIVE MEDICINE AND INDUSTRIAL HEALTH

November 15, 1950

THE KETTERING LABORATORY
COLLEGE OF MEDICINE—EDEN AVENUE
CINCINNATI 19, OHIO

CABLE ADDRESS: KETLAB. CINCINNATI
TELEPHONE: CAPITOL 1414

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

Dear Mr. Stroup:

I should have made an occasion for talking with you at Los Angeles, but time sped and seemed to be filled, so that I must write about a few matters.

With respect to the distribution of our report, I have a note from Doctor Hine, who attended the meeting on behalf of Shell, requesting a copy of the report. You will know whether or not he is entitled to it, and if he is, and if a copy is available, you can act accordingly. His address is 4560 Horton Street, Emeryville, California. Actually, in the position occupied by Shell with respect to medical representation, it is advantageous to be able to deal with a physician associated with their activities.

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There is also the question of our relationship with Doctor Townsend and his group. I should like Townsend to have a copy of the report for his information. This can be made as confidential as may be desired, either by my dealing with him directly and in confidence, or

API 05062

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Mr. D. V. Stroup - (2) - November 15, 1950

by his being supplied with a report from your office.

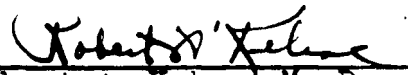
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All in all the meeting in Los Angeles was gratifying to me. Progress is being made on a number of fronts, slowly but surely.

With kindest regards,

Cordially yours,


Robert A. Kehoe, M. D.

RAK ef

Enc.

1
UNIVERSITY OF CINCINNATI
DEPARTMENT OF PREVENTIVE MEDICINE AND INDUSTRIAL HEALTH

PC
FILE

THE KETTERING LABORATORY
COLLEGE OF MEDICINE—EDEN AVENUE
CINCINNATI 19, OHIO

CABLE ADDRESS: KETLAB, CINCINNATI
TELEPHONE: CAPITOL 1444

February 6, 1951

Mr. D. V. Stroop
Director, Department of Safety
American Petroleum Institute
50 West 50th Street
New York 20, New York

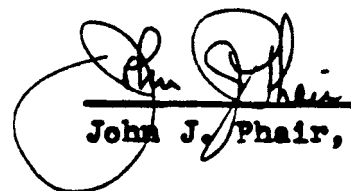
Dear Mr. Stroop:

I have returned finally to Cincinnati and before leaving for Florida for a short vacation, I wanted to drop a note thanking you for meeting with me Tuesday, January 23 during my recent visit to New York. I was very happy that I again had an opportunity to discuss with you the various problems which we have encountered in organizing our epidemiological studies. It is certain now that after we have been going for awhile, many of the apparent obstacles will fade away. There is a need, however, for the participating medical departments to continue and extend their cooperation, insofar as feasible, in these projects of the Medical Advisory Committee if the standards of medical care in the petroleum industry are to be raised.

It is my hope that all of the companies will establish a firm policy regarding this participation in the near future. There is a tremendous need, as I attempted to point out during each of my visits, for a united front. I know that you are in agreement with me about this question.

With very best personal regards, I am

Sincerely yours,


John J. Phair, M.D.

JJP:hp

API 05064

January 8, 1951

AIRMAIL

Dr. John J. Phair
University of Cincinnati
The Kettering Laboratory
College of Medicine - Eden Avenue
Cincinnati 19, Ohio

Dear Doctor Phair:

This is to acknowledge receipt of your letter dated January 5th and to let you know that the week of January 15th probably will be my busiest week this winter.

My personal obligations are such that I cannot make any promises to see anyone during the first five days of that week.

If you will telephone after you arrive in New York, we may find time to get together before you return to Cincinnati. Sorry we can't make a definite date at this time.

Sincerely yours,

DVS:rd

API 05065

UNIVERSITY OF CINCINNATI
DEPARTMENT OF PREVENTIVE MEDICINE AND INDUSTRIAL HEALTH

THE KETTERING LABORATORY
COLLEGE OF MEDICINE—EDEN AVENUE
CINCINNATI 19, OHIO

CABLE ADDRESS: KETLAB. CINCINNATI
TELEPHONE: CAPITOL 1414

January 5, 1951

Mr. D. V. Stroop
Director, Dept. of Safety
American Petroleum Institute
50 West 50th Street
New York 20, New York

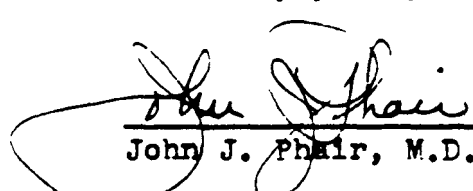
Dear Mr. Stroop:

I am planning a trip east to review with the various medical directors the present status of their arrangements to report cases under the API project. I want to discuss at length also the proposal to assemble certain descriptive material regarding the various refineries and other installations of the participating companies.

I have advanced the date of this trip due to other commitments and plan to leave here January 10, reaching New York via Pittsburgh, Washington and Philadelphia. Can I see you the afternoon of the 17th? Will you answer as soon as possible so that I can make final arrangements.

With the season's greetings, I am

Sincerely yours,


John J. Phair, M.D.

JJP:hp

API 05066

UNIVERSITY OF CINCINNATI
DEPARTMENT OF PREVENTIVE MEDICINE AND INDUSTRIAL HEALTH

February 24, 1951

THE KETTERING LABORATORY
COLLEGE OF MEDICINE—EDEN AVENUE
CINCINNATI 19, OHIO

CABLE ADDRESS: KETLAB, CINCINNATI
TELEPHONE: CAPITOL 1414

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

Dear Mr. Stroop:

I send you herewith, for your information, a statement of expenditures made on behalf of American Petroleum Institute during the fourth quarter of 1950. I believe that the statement is self-explanatory, but if you have any questions or comments, Doctor Kehoe would appreciate your bringing them to his attention.

Very truly yours,

E. E. Fortlage
E. E. Fortlage, Secretary to
Dr. Kehoe

ef

Enc.

API 05067

UNIVERSITY OF CINCINNATI
KETTERING LABORATORY
ACCOUNT OF AMERICAN PETROLEUM INSTITUTE

FOR THE FOURTH QUARTER 1950

SALARIES (Based on Proportion of Time Actually
Spent on Project)

Robert A. Kehoe	- Supervision	100.00
Francis Heyroth	- Toxicological Assistance	31.25
John Phair	-	1375.02
Wesley Horton	- Coordination of Experimental Work	1303.75
Frank Cleveland	- Pathological Assistance	5.50
Fred Shaffer	- " "	20.00
Russell Tye	- Technical Assistance	1050.00
Ruth Pierle	- " "	1125.00
Dorothy Templeton	- " "	517.12
Waldo Younker	- " "	473.55
Robert Lampe	- " "	317.35
Marion Duvall	- " "	334.66
		<u>7153.20</u>

MISCELLANEOUS EXPENSE

Purchase of Animals	196.30
Laboratory Supplies	1213.30
Traveling Expense	1612.90
Proportion of Secretarial, Library, Janitors, Wash Boys, Draftsman, Shipping Clerks, Animal Caretakers, Histo- pathological Preparation etc	6525.36
Proportion of Heat, Gas, Electricity, Steam, Telephone, Postage, Pensions, Annuities, Maintenance, Animal Food and Supplies etc	<u>3263.92</u>

TOTAL 19, 974.98

Balance Available for Work in 1950
at End of 3rd Quarter 1950 \$71,442.01

Expenditures - 4th Quarter 1950 19,974.98

Balance Available for Work in 1951
at End of 4th Quarter 1950 51,467.03

Copy from D. V. Stroop for Information of Members and Associates of
the Medical Advisory Committee.

3-26-51

MORT GILBERT
OL. 1400 x 658
CLINTIE KENNEDY
OL. 1400 x 2137

FSA-B80

FEDERAL SECURITY AGENCY
Public Health Service
National Institutes of Health
National Cancer Institute

FOR RELEASE THURSDAY, MARCH 15, 1951

The possible harmful effects of certain petroleum products and radioactive ores and dusts from uranium mines and mills, of key importance in the Nation's defense effort, will be tested on laboratory animals in two university research centers through Public Health Service cancer control grants, it was announced today by Federal Security Administrator, Oscar R. Ewing.

Drs. John W. Mehl and Hugh A. Edmondson at the University of Southern California School of Medicine, Los Angeles, will study hydrocarbons found in crude oil and in products formed in oil refining and catalytic cracking.

Dr. John Z. Bowers will establish research facilities at the University of Utah, Salt Lake City, to expose animals to dusts under conditions similar to those found in uranium mining and milling.

These grants are two of a list of 22 special control grants which have been approved by Surgeon General Leonard A. Scheele of the Public Health Service following recommendation by the National Advisory Cancer Council.

The grants going to the University of Southern California and the University of Utah are part of a program to foster cancer prevention studies in universities located in areas where possible cancer hazards occur. Southern California is an oil-producing area which is subject to waste fumes and gases from oil refineries, and Utah is the scene of extensive uranium mining and processing. In both these areas, environmental cancer field surveys supported by the Public Health Service are now in progress.

The special cancer control grants of the National Cancer Institute are awarded to State and local health agencies, universities, hospitals, and other non-profit organizations to assist the development of cancer control methods and services. A list of the control grants follows:

API 05069

SPECIAL CONTROL GRANTS

STATE	INSTITUTION & LOCATION	AMOUNT GRANTED	SUBJECT
California	*California State Department of Public Health, San Francisco, Dr. Wilton L. Flaverson	\$ 8,500	Occupational cancer of respiratory tract.
	*University of California at Los Angeles, Los Angeles, Dr. Andrew H. Dowdy	23,995	The evaluation of a seroflocculation reaction as an aid in the detection of cancer.
	*University of California, San Francisco, Dr. Herbert F. Traut	5,424	Cytology training center.
	University of Southern California School of Medicine, Los Angeles, Dr. John W. Mehl and Dr. Hugh A. Edmondson	19,116	Investigation of potential carcinogenic environmental hydrocarbons.
	University of Southern California School of Medicine, Los Angeles, Dr. Edward G. Jones and Dr. Ian Macdonald	9,560	Epidemiologic study of uterine cervical cancer.
Colorado	*University of Colorado Medical Center, Denver, Dr. James J. Waring	18,000	Occupational cancer survey of the State of Colorado.
Connecticut	*Yale University Medical School, New Haven, Dr. Ira V. Hiscock	25,000	Teaching program for health administrators in cancer control.
Maryland	University of Maryland Medical School, Baltimore, Dr. Russell S. Fisher	6,264	A study of precancerous changes and carcinoma in-situ in the human uterine cervix during pregnancy.
Missouri	Washington University, St. Louis, Dr. Evarts A. Graham	9,568	Experimental production of cancer by tobacco products.
New Jersey	*New Jersey State Department of Health, Trenton, Dr. Carl E. Weigle	36,950	Survey of occupational cancer in the State of New Jersey.
New York	*Division of Laboratories and Research, New York State Department of Health, New York, Dr. Frank Maltaner	12,300	Immunologic studies of cancer.
	*Memorial Center for Cancer and Allied Diseases, New York, Dr. Allen O. Whipple	12,722	Experimental surgery.

API 05070

* Continuation grants

SPECIAL CONTROL GRANTS (Cont'd)

STATE	INSTITUTION & LOCATION	AMOUNT GRANTED	SUBJECT
New York (Cont'd)	*New York University - Bellevue Medical Center, New York, Dr. Locke L. Mackenzie	\$ 2,592	Detection of genito-urinary cancer by means of beta-glucuronidase enzyme, and correlation accuracy with cytological diagnosis.
North Carolina	*The Bowman Gray School of Medicine of Wake Forest College, Winston-Salem, Dr. Robert P. Morehead	3,294	Establishment of a tumor follow-up service, and provide material for a course in oncology.
Ohio	*The Ohio State University, Columbus, Dr. Madge T. Macklin	10,300	Role of heredity and milk virus in causing human breast cancer.
Pennsylvania	Trustees of the University of Pennsylvania, Philadelphia, Dr. George C. Lewis	10,000	A study of the geometric distribution of radiation during the treatment of carcinoma of the uterine cervix, with reference to both the survival rate and the damage of contiguous pelvic viscera.
Texas	Nix Tumor Clinic, San Antonio, Dr. Dudley Jackson	7,940	Study of breast secretions: cytological pattern as related to type of breast pathology and hormonal unbalance, and comparative study of cell types in tissue culture.
	University of Texas, Medical Branch, Galveston, Dr. M. Mason Guest	5,022	An investigation of the fibrinolytic enzyme and inhibitor systems in blood and urine.
	The University of Texas, M. D. Anderson Hospital for Cancer Research, Houston, Dr. William O. Russell	6,000	Microbiological assays of blood from cancer patients.
Utah	University of Utah, Sale Lake City, Dr. John Z. Bowers	19,602	Cancer hazards associated with the mining and milling of uranium ores and other radioactive materials.
District of Columbia	*Georgetown University Medical School, Washington, D.C., Dr. Charles F. Beschickter	3,650	Follow-up and experimental production of benign and malignant bone tumors.

* Continuation grants

API 05071

SPECIAL CONTROL GRANTS (Cont'd)

<u>STATE</u>	<u>INSTITUTION & LOCATION</u>	<u>AMOUNT GRANTED</u>	<u>SUBJECT</u>
Honolulu, T. H.	*Territory of Hawaii, Depart- ment of Health, Honolulu, Dr. Walter B. Quisenberry	\$ 9,178	A study of hospital records for the past 10 years to determine the morbidity of cancer.

* Continuation grants

Total special cancer control grants ----- \$264,977

*Copy for information of members of
API Medical Society*

UNIVERSITY OF CINCINNATI

DEPARTMENT OF PREVENTIVE MEDICINE AND INDUSTRIAL HEALTH

April 2, 1951

THE KETTERING LABORATORY
COLLEGE OF MEDICINE—EDEN AVENUE
CINCINNATI 18, OHIO

CABLE ADDRESS: KETLAB. CINCINNATI
TELEPHONE: CAMTOL 1414

Mr. D. V. Stroop, Director
Department of Technical Services
American Petroleum Institute
50 West 50th Street
New York City 20

Dear Mr. Stroop:

I send you herewith the account of the receipts and expenditures in connection with the prosecution of the investigation of fluorine compounds in 1950. Since the receipts and expenditures for the prior years were reported, and since any debit or credit balance of funds was carried over from one year to the next, the present account portrays the financial status of the project at the end of 1950, with the exception indicated in a footnote on page 2.

Inasmuch as the deficit of \$2,026.20 can be carried over into 1951 (the project is to continue with the support of most of the previous sponsors plus certain others), there seems no necessary reason for dealing with this matter at this time. However, any disagreement with this viewpoint should be expressed, and if there is such expression, it will be transmitted to the other sponsors.

The work will be continued under the sponsorship of the following groups in the amounts pledged per year and for the total periods specifically designated:

	Contribution 1951	Further Commitment
Pennsylvania Salt Mfg. Company	\$ 3,000.00	Year to year
Reynolds Metals Company	4,000.00	Presumably 1 additional year
Tennessee Valley Authority	4,000.00	3 additional years
Aluminum Company of America	4,000.00	3 additional years
Kaiser Aluminum and Chemical Corp.	4,000.00	1 additional year
American Petroleum Institute	2,500.00	Year to year
Universal Oil Products Company	500.00	2 additional years
The Harshaw Chemical Company	1,000.00	Year to year

The final report has been in my hands, for such further consideration and editing as may be required, for some weeks. Mr. Largent's task in preparing it was considerable, as is that of studying it critically. I must ask your indulgence in the matter of the time

API 05073

Mr. D. V. Stroop - (2) - April 2, 1951

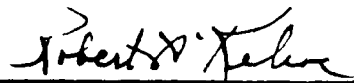
taken thus far and required further to complete it. For a number of reasons, which probably require no elaboration, I have had to make my contribution to the report as time could be found. Such time has been fragmentary, but progress is being made, and, one trusts, will be more rapid from now on.

The bibliography on the organic compounds of fluorine has progressed, but since it is a heroic job, and since further time will be required to complete it, Mrs. Campbell has set it aside for the moment in order to bring the section on inorganic compounds up to date. This is being done with my approval in the belief that the latter may have greater immediate usefulness than the former.

The other work of the library, as of all other divisions of the Laboratory, has increased greatly. Another library assistant is being sought for employment. This will not increase the cost of the library work for this project, but rather it will enable us to do more work for other sponsors.

Comments and suggestions will be welcome on any phase of this report or on unreported matters.

Sincerely yours,


Robert A. Kehoe, M. D.

RAK ef

Enc.

UNIVERSITY OF CINCINNATI
KETTERING LABORATORY
ACCOUNT OF THE FLUORINE PROJECT 1950

SALARIES (Based on Proportion of Time Actually
Spent on Project)

Robert A. Kehoe	- Supervision	350.00
Francis Heyroth	- General Technical Supervision	94.03
Jacob Cholak	- Supervision of Analytical Work	242.30
Edward Largent	- Principal Investigator	2622.24
Elmo Blackston	- Experimental Subject	580.00
Jim Zoller	- Technical Assistance	623.06
Robert Hesterberg	- "	307.56
Morris Blackston	- "	102.00
Anton Michels	- "	630.18
Howard Sigmon	- "	936.14
Ervin Spettel	- "	673.73
Katherine Largent	- "	640.00
Richard Bucietto	- "	1059.59
David Cain	- "	449.24
Irene Campbell	- Literature Review	823.74
Evelyn Widner	- Literature Review	495.00

11,128.81

MISCELLANEOUS EXPENSE

Laboratory Supplies	2,705.77
X-rays of Experimental Subjects	73.00
Food and Expenses Incurred in the Collection of Samples by Experimental Subjects	2,001.00
Proportion of Secretarial, Library, Wash Boys, Shipping Clerks, Draftsman, Animal Caretakers etc	5,256.38
Proportion of Heat, Gas, Telephone, Postage, Pensions, Annuities, Postage, Maintenance etc	<u>3,854.22</u>

TOTAL \$25,004.18

Balance Remaining from 1949 \$3,477.98

(This includes \$1500.00 received from American
Petroleum Institute in 1949 for use in 1950)

Receipts - 1950 \$24,500.00

Less	{ for overdraft 1948	2000.00	
	{ for overdraft 1949	<u>4000.00</u>	6,000.00

Leaving for Use in 1950 18,500.00

Total Sum Available for Use in 1950 * 21,977.98 *

Total Expenditures in 1950 25,004.18

Overdraft of Expenditures over Appropriation 1950 3,026.20

*An additional sum of \$1000.00 to have been supplied by Universal Oil Products Company, was not paid in through an oversight. This has since been paid (after January 1st, 1951) and is available to reduce the overdraft indicated above. This transaction will appear in the accounts for 1951.

Aluminum Company of America

Share of Expense as Itemized	\$4000.00
Receipts 1950	<u>4000.00</u>

American Petroleum Institute

Share of Expense as Itemized	1500.00
Funds Received in 1949 for Use in 1950	<u>1500.00</u>

E. I. duPont de Nemours and Company

Share of Expense as Itemized	4000.00
Receipts 1950	<u>4000.00</u>

Pennsylvania Salt Mfg. Company

Share of Expense as Itemized	4000.00
Funds Received for 1948 Appropriation	2000.00
Funds Received for 1949 Appropriation	<u>4000.00</u>
	6000.00
Receipts for 1950	4000.00
	<u>4000.00</u>

Permanent Metals Corporation (Kaiser Aluminum and Chemical Corporation)

Share of Expense as Itemized	2500.00
Receipts 1950	<u>2500.00</u>

Wynolds Metals Company

Share of Expense as Itemized	4000.00
Receipts 1950	<u>4000.00</u>

Universal Oil Products Company

Share of Expense as Itemized	1000.00
Balance due on 1950 Share of Expense	1000.00
Total Sum Due	<u>1000.00</u>

AMERICAN PETROLEUM INSTITUTE

50 WEST 30TH STREET

NEW YORK 20, N. Y.

DEPARTMENT OF TECHNICAL SERVICES
DAVID V. STROOP, DIRECTOR

April 4, 1951

To Members
Subcommittee on Fluorides

Gentlemen:

For your information, we enclose copies of two communications, as follows:

1. Letter dated April 2, 1951 from Robert A. Kehoe, M.D., giving account of receipts and expenditures in connection with the prosecution of the investigation of fluorine compounds in 1950 at The Kettering Laboratory.
2. Letter dated March 20, 1951 from H. P. Caldwell outlining research project at Boyce-Thompson Institute to study fluoride damage to vegetation.

Very truly yours,

W. Stroop

DVS:c

Enclosures

mc: Members and Associates,
Medical Advisory Committee

(C
O
P
Y)

UNIVERSITY OF CINCINNATI

Department of Preventive Medicine and Industrial Health

The Kettering Laboratory
College of Medicine - Eden Avenue
Cincinnati 19, Ohio

April 2, 1951

Mr. D. V. Stroop, Director
Department of Technical Services
American Petroleum Institute
50 West 50th Street
New York City 20

Dear Mr. Stroop:

I send you herewith the account of the receipts and expenditures in connection with the prosecution of the investigation of fluorine compounds in 1950. Since the receipts and expenditures for the prior years were reported, and since any debit or credit balance of funds was carried over from one year to the next, the present account portrays the financial status of the project at the end of 1950, with the exception indicated in a footnote on page 2.

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The work will be continued under the sponsorship of the following groups in the amounts pledged per year and for the total periods specifically designated:

	<u>Contribution</u> <u>1951</u>	<u>Further Commitment</u>
Pennsylvania Salt Mfg. Co.	\$ 3,000.00	Year to year
Reynolds Metals Co.	4,000.00	Presumably 1 additional year
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American Petroleum Institute	2,500.00	Year to year
Universal Oil Products Co.	500.00	2 Additional years
The Harshaw Chemical Co.	1,000.00	Year to year

The final report has been in my hands, for such further consideration and editing as may be required, for some weeks. Mr. Largent's task in preparing it was considerable, as is that of studying it critically. I must ask your indulgence in the matter of time taken thus far and required further to complete it. For a number of reasons, which probably require no elaboration,

Mr. D. V. Stroop - (2) - April 2, 1951

I have had to make my contribution to the report as time could be found. Such time has been fragmentary, but progress is being made, and, one trusts, will be more rapid from now on.

The bibliography on the organic compounds of fluorine has progressed, but since it is a heroic job, and since further time will be required to complete it, Mrs. Campbell has set it aside for the moment in order to bring the section on inorganic compounds up to date. This is being done with my approval in the belief that the latter may have greater immediate usefulness than the former.

The other work of the library, as of all other divisions of the Laboratory, has increased greatly. Another library assistant is being sought for employment. This will not increase the cost of the library work for this project, but rather it will enable us to do more work for other sponsors.

Comments and suggestions will be welcome on any phase of this report or on unreported matters.

Sincerely yours,

/s/ Robert A. Kehoe

Robert A. Kehoe, M. D.

RAK ef

Enclosure

UNIVERSITY OF CINCINNATI
KETTERING LABORATORY
ACCOUNT OF THE FLUORINE PROJECT 1950

SALARIES (Based on Proportion of Time
Actually Spent on Project)

Robert A. Kehoe	- Supervision	\$ 350.00
Francis Heyroth	- General Technical Supervision	94.03
Jacob Cholak	- Supervision of Analytical Work	242.30
Edward Largent	- Principal Investigator	2,622.24
Elmo Blackston	- Experimental Subject	580.00
Jim Zoller	- Technical Assistance	623.06
Robert Hesterberg	- Technical Assistance	807.56
Morris Blackston	- Technical Assistance	102.00
Anton Michels	- Technical Assistance	630.18
Howard Sigmon	- Technical Assistance	936.14
Erwin Spettel	- Technical Assistance	673.73
Katherine Largent	- Technical Assistance	640.00
Richard Sucietto	- Technical Assistance	1,059.59
David Cain	- Technical Assistance	449.24
Irene Campbell	- Literature Review	823.74
Evelyn Widner	- Literature Review	495.00

\$11,128.81

MISCELLANEOUS EXPENSE

Laboratory Supplies	2,705.77
X-rays of Experimental Subjects	78.00
Food and Expenses Incurred in the Collection of Samples by Experimental Subjects	2,001.00
Proportion of Secretarial, Library, Wash Boys, Shipping Clerks, Draftsman, Animal Caretakers, etc.	5,256.38
Proportion of Heat, Gas, Telephone, Postage, Pensions, Annuities, Maintenance, etc.	3,834.22

TOTAL

\$25,004.18

Balance Remaining from 1949		\$ 3,477.98
(This includes \$1,500.00 received from American Petroleum Institute in 1949 for use in 1950)		
Receipts - 1950		\$24,500.00
Less (for overdraft 1948	\$2,000.00	
(for overdraft 1949	<u>4,000.00</u>	
		6,000.00
Leaving for Use in 1950		18,500.00
Total Sum Available for Use in 1950 *		21,977.98 *
Total Expenditures in 1950		25,004.18
Overdraft of Expenditures over Appropriation 1950		3,026.20

* An additional sum of \$1,000.00 to have been supplied by Universal Oil Products Company, was not paid in through an oversight. This has since been paid (after January 1st, 1951) and is available to reduce the overdraft indicated above. This transaction will appear in the accounts for 1951.

Aluminum Company of America

Share of Expense as Itemized	\$ 4,000.00
Receipts 1950	<u>4,000.00</u>

American Petroleum Institute

Share of Expense as Itemized	1,500.00
Funds Received in 1949 for Use in 1950	<u>1,500.00</u>

E. I. duPont deNemours and Company

Share of Expense as Itemized	4,000.00
Receipts 1950	<u>4,000.00</u>

Pennsylvania Salt Manufacturing Company

Share of Expense as Itemized	4,000.00
Funds Received for 1948 Appropriation	2,000.00
Funds Received for 1949 Appropriation	<u>4,000.00</u>
	6,000.00

Receipts for 1950	4,000.00	<u>4,000.00</u>
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Permanente Metals Corporation (Kaiser Aluminum and Chemical Corporation)

Share of Expense as Itemized	2,500.00
Receipts 1950	<u>2,500.00</u>

Reynolds Metals Company

Share of Expense as Itemized	4,000.00
Receipts 1950	<u>4,000.00</u>

Universal Oil Products Company

Share of Expense as Itemized	1,000.00
Balance due on 1950 Share of Expense	1,000.00
Total Sum Due	<u>1,000.00</u>

To the Committee on Disposal of Refinery Wastes from W. T. Gunn for
Information - 3/26/51.

C O P Y

C O P Y

C O P Y

SOCONY-VACUUM LABORATORIES

A Division of Socony-Vacuum Oil Co., Inc.
Research and Development Department
Paulsboro, New Jersey

March 20, 1951

Proposed Study of
Fluoride Damage to Vegetation
File: 202.23, 114.475

Mr. W. T. Gunn
American Petroleum Institute
50 West 50th Street
New York, N. Y.

Dear Sir:

As you will recall, at the Cleveland meeting last year, a proposal for partial API support of a research project at Boyce-Thompson Institute to study fluoride damage to vegetation was presented to the Committee on Disposal of Refinery Wastes. At that time, the proposed program was somewhat indefinite. Probably for this reason, and because only part of the petroleum industry has interests related to the project, the proposal was rejected.

During the past year the proposed project has been partially underwritten by other segments of industry and a definite program has been established. We believe that the information which will be obtained as a result of this project will be valuable in the defense of possible suits against industry claiming fluoride damage to vegetation. For this reason, we again desire to place before the Committee on the Disposal of Refinery Wastes a proposal for the partial support of this research project. Since not all the petroleum industry is concerned with the problem of fluoride damage, we would suggest consideration of the project on the basis that it be sponsored by API through contributions from only that portion of the petroleum industry operating HF alkylation units.

The following information relative to the research project is presented for the consideration of the Committee:

API 05084

March 20, 1951

Organization

The Aluminum Company of America initiated the organization of the project. Inquiries were sent to twenty-nine companies, including the major smelting and fertilizer companies, several chemical companies, and one petroleum company. Of these, thirteen indicated interest in sponsoring the project. At a meeting of the interested companies in February, 1951, the project was discussed in detail and definitely organized. The project will be under the direct supervision of Dr. P. W. Zimmerman of the Boyce-Thompson Institute for Plant Research, Inc., Yonkers, N.Y. A committee consisting of representatives of the sponsoring organizations and companies will review and give general guidance to the project at a yearly meeting. The data obtained will be made directly available to the sponsoring organizations and will be published by Boyce-Thompson as academic research in an appropriate journal.

Cost and Financing

The program for the project covers a three-year period at an estimated cost of about \$30,000 per year. This cost, which is exclusive of the direct supervision and general laboratory facilities supplied by the Boyce-Thompson Institute, is to be shared on a voluntary basis by the sponsoring organizations. The yearly contributions pledged (as of 2/16/51) are:

Aluminum Co. of America	\$5,000
Kaiser Aluminum and Chemical Corp.	5,000
Reynolds Metals Co.	5,000
U.S. Steel Corp. of Delaware	5,000
Pennsylvania Salt Manufacturing Co.	1,000
	<u>\$21,000</u>

Other possible contributors are:

Tennessee Valley Authority
Victor Chemical Works
International Minerals and Chemical Co.
Tennessee Corporation
Coronet Phosphate Company
Wilson and Toomer Fertilizer Co.
American Smelting and Refining Co.

Although the full yearly cost of the project has not been pledged, Boyce-Thompson has been authorized to proceed with the project. The Aluminum Company of America has offered to serve as treasurer for the sponsoring group and will sign the necessary agreement with Boyce-Thompson, advance the entire yearly amount to Boyce-Thompson, and collect the individual contributions.

Mr. W. T. Gunn

- 3 -

March 20, 1951

Objectives

The objectives of the project, which are described in more detail in the attached "Exhibit A," prepared by Boyce-Thompson, are:

1. To determine and compare the effects on various plants of long-time exposure to very low concentrations of HF and short-time exposure to higher concentrations, with humidity as a variable.
2. To determine whether airborne particulate matter containing combined fluorine can damage vegetation.
3. To determine whether the fluorine content of the soil is a factor in damage by airborne fluorine.
4. To develop means for differentiating between damage caused by soil-borne and air-borne fluorine.

The general methods and equipment to be used in the project are also discussed briefly in "Exhibit A."

The share of the total cost of the project to be borne by API, if it is decided to sponsor the project, is not fixed, but would be entirely on a voluntary basis. It is our suggestion that the Committee on Disposal of Refinery Wastes consider this proposal only on the basis of its value to the industry, with the thought that the amount of the support would be determined by the willingness of the individual companies to contribute to such support.

The above proposal and discussion is submitted at this time with the request that it be placed on the Agenda for consideration at the Spring Meeting at Tulsa.

Respectfully submitted,

/s/ H. P. Caldwell

H. P. Caldwell
Member, Committee on Disposal
of Refinery Wastes

HPC:fnc
Attach.

C O P Y

C O P Y

C O P Y

February 28, 1951

Exhibit A

THE EFFECT OF FLUORIDES ON VEGETATION

Set forth herewith is a summary of the problems to be considered in connection with the project at Boyce Thompson Institute on fluorides in relation to plants.

Unsolved problems

1. Effects of fumigating with low concentrations of hydrofluoric acid gas over comparatively long time periods.
2. The effect of low concentrations over long time periods as compared with higher concentrations for shorter time periods.
3. The source of the fluorides which accumulate in plant tissue.
4. Variable susceptibility from HF gas in the air after the plants absorb fluorides from the soil. That is, if the plant stores fluoride from the soil, is it more or less susceptible when exposed to HF gas in the air?
5. The maximum capacity of different species of plants to store fluorides after absorption from soil and how this differs when fluoride is absorbed from the air.
6. The reasons for variable susceptibility of different species of plants. For example, squash is very resistant to HF gas as compared with peach, prune, or gladiolus.
7. Structures of leaves which show characteristic markings to a given gas. For example, HF gas is known to mark leaves at the tip or the edge, whereas SO₂ gas causes interveinous markings as well as some marking at the edge.

API 05087

8. Kinds of fluoride compounds which can be absorbed from the soil.
9. The capacity of plants to absorb fluorides from different soil types.
10. The translocation of fluorides from the point of absorption, for example, by the leaf to different organs of the plant. In a similar way there should be a study of translocation from roots to various organs of the plant. For example, if the source of fluoride is from the soil, would the content stored in the roots be greater than that of other organs of the plant, or, stated in another way, if the content in the roots were high, would that indicate that the source of the fluoride is from the soil?
11. The manner in which the plant utilizes, stores, or otherwise tolerates fluorides when no evident damage occurs.
12. Similarities between plants which are exposed to fluorides in contaminated air around industry and plants which are intentionally exposed to fluorides by HF gas fumigation.
13. The effects of high and low humidity immediately before and during exposure of plants to HF gas.
14. The susceptibility of a given species when grown in Washington versus New York. For example, it appears that the Italian prune grown in Washington may be more susceptible than the same species grown in New York or Utah.

Phases of the project to be attempted during the first year

1. It is proposed to build six portable greenhouses to be used in field plots and to limit the species during the first year to a reasonable number that can be handled. For example,

it is proposed that during the first year we attempt to study corn, gladiolus, alfalfa, and tomatoes in particular. Fruit trees will be planted in the field and pruned to have them prepared for greenhouse fumigation during the second and third years of the project. It was suggested that we compare Italian prune, peach, and apple for comparative susceptibility.

It appears to be desirable also to make a survey of other garden, ornamental, or crop plants for comparative susceptibility and use the information as a basis for selecting species to be studied during the second and third years.

2. In order to make this a live project throughout the year, fumigating chambers in a greenhouse will be made available for year-round experimental work.
3. The portable greenhouses will be equipped with blowers and apparatus for supplying a measured amount of HF gas. Attempts will be made to set up some method for automatically recording concentration of gas, but it will be necessary at all times to absorb the fluorides from the air and titrate solutions to check the concentration in the greenhouse. Details of these methods will have to be worked out and will require considerable time in the first year.
4. Tissue analysis at intervals after exposure of plants to the gas will constitute a major part of the analytical work during the first year.

5. Absorption of fluorides from different soil types will be attempted during the first year, and enough information should be gathered to furnish a good basis for experimental work during the second and third years. In this connection we shall attempt to locate good test objects. We are now using buckwheat for that purpose. Perhaps there are better species.

Comparison of disease symptoms and soil deficiency symptoms with induced damage from HF gas

1. From a practical standpoint many disease and fertilizer deficiency symptoms are mistaken for HF gas injury. It may be possible to induce certain deficiency symptoms and compare them with HF induced injury.
2. A comparison should be made between susceptibility of well fertilized and poorly fertilized plants. The stage of growth or maturity of a plant in reference to susceptibility needs to be attempted. For example, it is claimed that corn is most susceptible at the roasting-ear stage.

The foregoing problems, of course, cannot all be solved during a three-year period. The first year will necessarily involve a study of methods, obtaining and arranging equipment, perfecting the overall arrangements so that the problems can be well in hand during the second and third years. It is hoped, however, that some phases of the work can be completed during the first year.

UNIVERSITY OF CINCINNATI
DEPARTMENT OF PREVENTIVE MEDICINE AND INDUSTRIAL HEALTH

June 7, 1951

THE KETTERING LABORATORY
COLLEGE OF MEDICINE—EDEN AVENUE
CINCINNATI 19, OHIO

CABLE ADDRESS: KETLAB. CINCINNATI
TELEPHONE: CAMTEL 1414

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

Dear Mr. Stroop:

For your information, I am sending you herewith a statement of expenditures made on behalf of American Petroleum Institute during the first quarter of 1951. I believe this statement will be self-explanatory, but if you have any questions or comments, Doctor Kehoe would appreciate your bringing them to his attention.

Very truly yours,

E. R. Fortlage

E. R. Fortlage, Secretary to
Dr. Kehoe

ef

Enc.

UNIVERSITY OF CINCINNATI
KETTERING LABORATORY
ACCOUNT OF AMERICAN PETROLEUM INSTITUTE

For the First Quarter of 1951

SALARIES (Based on Proportion of Time Actually
Spent on Project)

Francis Heyroth	- Supervision	1.95
John Phair	-	1375.02
Wesley Horton	- Coordination of Experimental Work	1759.84
Russell Tye	- Technical Assistance	1050.00
Ruth Pierle	- " "	1200.00
Frank Cleveland	- Pathological Assistance	133.69
Dorothy Templeton	- Technical Assistance	523.62
Marion Duvall	- " "	344.75
Robert Lampe	- " "	110.88
Alexander Koncz	- " "	73.81
Ralph Denham	- " "	498.44
Carrie Siveley	- " "	160.45
Karl Krautle	- " "	39.50
Waldo Younker	- " "	155.81
Ed Pelta	- " "	136.08

\$7563.84

MISCELLANEOUS EXPENSE

Purchase of Animals	376.60
Laboratory Supplies	941.91
Traveling Expense	897.68
Proportion of Secretarial, Library, Janitors, Wash Boys, Draftsman, Shipping Clerks, Animal Caretakers, Histo- Pathological Preparation etc	7411.87
Proportion of Heat, Gas, Electricity, Steam, Telephone, Postage, Pensions, Annuities, Maintenance, Animal Food and Supplies etc	3869.39

TOTAL \$21,061.29

Balance Remaining for Further Work in 1951
at End of 1950 \$51,467.03

Receipts - January 12, 1951 9,065.12
\$60,532.15

Expenditures - 1st Quarter 1951 21,061.29

Balance Available for Further Work in 1951
at End of 1st Quarter 1951 39,470.86

API 05092

June 12, 1951

Dr. M. H. Newquist, Chairman
Subcommittee on Carcinogenicity
c/o The Texas Company
135 East 42nd Street
New York 17, New York

Dear Doctor Newquist:

For your information and files there is enclosed copy of letter dated June 7, 1951 with attached statement of expenditures made by Kettering Laboratory on behalf of the American Petroleum Institute during the first quarter of 1951.

Very truly yours,

DVS:c
Enclosures
cc: Dr. B. B. Reeve

(COPY)

UNIVERSITY OF CINCINNATI

Department of Preventive Medicine and Industrial Health

The Kettering Laboratory
College of Medicine - Eden Avenue
Cincinnati 19, Ohio

June 7, 1951

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

Dear Mr. Stroop:

For your information, I am sending you herewith a statement of expenditures made on behalf of American Petroleum Institute during the first quarter of 1951. I believe this statement will be self-explanatory, but if you have any questions or comments, Doctor Kehoe would appreciate your bringing them to his attention.

Very truly yours,

/s/ E. R. Fortlage

E. R. Fortlage, Secretary to
Dr. Kehoe

of

Enc.

UNIVERSITY OF CINCINNATI
KETTERING LABORATORY
ACCOUNT OF AMERICAN PETROLEUM INSTITUTE

For the First Quarter of 1951

SALARIES (Based on Proportion of Time Actually
Spent on Project)

Francis Heyroth - Supervision	1.95
John Phair -	1,375.02
Wesley Horton - Coordination of Experimental Work	1,759.84
Russell Tye - Technical Assistance	1,050.00
Ruth Pierle - " "	1,200.00
Frank Cleveland - Pathological Assistance	133.69
Dorothy Templeton - Technical Assistance	523.62
Marion Duvall - " "	344.75
Robert Lampe - " "	110.88
Alexander Koncz - " "	73.81
Ralph Denham - " "	498.44
Carrie Siveley - " "	160.45
Karl Krautle - " "	39.50
Waldo Younker - " "	155.81
Ed Felts - " "	<u>136.08</u>

\$ 7,563.84

MISCELLANEOUS EXPENSE

Purchase of Animals	376.60
Laboratory Supplies	941.91
Traveling Expense	897.68
Proportion of Secretarial, Library, Janitors, Wash Boys, Draftsman, Shipping Clerks, Animal Caretakers, Histo- Pathological Preparation, etc.	7,411.87
Proportion of Heat, Gas, Electricity, Steam, Telephone, Postage, Pensions, Ammities, Maintenance, Animal Food and Supplies, etc.	<u>3,869.39</u>

TOTAL \$21,061.29

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\$60,532.15

Expenditures - 1st Quarter 1951 21,061.29

Balance Available for Further Work in 1951
at End of 1st Quarter 1951 \$39,470.86

June 14 1951

Dr. Robert A. Kehoe
University of Cincinnati
Kettering Laboratory of Applied Physiology
Cincinnati 19, Ohio

Dear Doctor Kehoe:

I have just reviewed your letter of April 2, 1951 and the minutes of the Thirteenth Meeting of the Institute's Medical Advisory Committee, but I do not come to any definite conclusion as to the status of the fluorine investigation.

As you know our research budgets have been placed upon a fiscal year basis with the year beginning July 1.

At present we have budgeted for the fiscal year 1951-52 the sum of \$2,500 as a contribution to the fluorine investigation, but payment is contingent upon continuation of cooperative work by the other industrial participants and upon the condition that the API share of cost shall not exceed 25 per cent of the total cost during the year.

It will be appreciated if you will give me sufficient information to justify a decision about this matter.

Very truly yours,

DVB:s

cc: Dr. B. B. Reeve

P.S. to Doctor Reeve:

I wonder if you should appoint a new chairman for the Subcommittee on Fluorides to succeed Doctor Hoag who is no longer a member of the Medical Advisory Committee?

DVB

API 05096

June 18, 1951

AIR MAIL

Dr. E. B. Reeve
Standard Oil Company (Indiana)
910 South Michigan Avenue
Chicago 80, Illinois

Dear Doctor Reeve:

Doctor Ebbes's letter of June 16 indicates that
a copy was addressed to you.

From the statements made in that letter I am
of the opinion that we should send \$2,500 to the University
of Cincinnati as recommended by the Medical Advisory
Committee at its Twelfth Meeting.

If you concur in this opinion please let us
know at your early convenience.

Very truly yours,

DVB:10

API 05097

Copy from M. N. Newquist for information of
Members of Subcommittee on Carcinogenicity.
6-19-51

AMERICAN LOCOMOTIVE EXPORT COMPANY, INC.
New York, U. S. A.

25 Victoria Street
London SW 1
11th June, 1951.

AIR MAIL

Dr. M. N. Newquist, M. D.,
The Texas Company
135 East 42nd Street
New York 17, New York

Dear Dr. Newquist,

Thank you for your letter of May 11th just received enclosing two copies of the "Report of Progress in the Appraisal of the Potential Carcinogenic Properties of American Petroleum Products". I am circulating one of these copies to the Members of the Institute of Petroleum Research Council "Committee on Carcinogenic Action of Mineral Oils" by whom it will be circulated to Members.

We are all anxious to ensure that the valuable information emanating from the A.P.I. ex the Kettering Laboratories should be used here to the best possible advantage and for that reason would be grateful if you could send us six copies of each of these reports as they are produced. You will understand how important it is that the individual workers at the Universities and other Research Laboratories dealing with different aspects of this problem should be able to refer to their own copies. This is also the case with the oil technologists engaged on the choice of material and its fractionation.

In order to avoid any possible lapse in this exchange of official documents they should continue to be sent to me at the Institute of Petroleum. At the same time it is highly desirable that on purely technical matters there should be the fullest exchange of knowledge, through direct correspondence, between the individuals concerned in the U.S.A., and the U.K. There will therefore, we hope, be increasing correspondence between the Medical Research Council and Dr. Kehoe and between the individual chemists and medical men concerned and their opposite numbers. This however will leave the main arrangement unaltered for the exchange of official documents between the A.P.I., and the Institute of Petroleum.

I am looking forward to meeting Dr. Phair personally, and having a discussion on the various aspects of our joint problem. I have already been in telephonic touch with him. During the recent Petroleum Congress at The Hague I also had the opportunity of discussing oil carcinogenicity with Dr. Mackenzie of your Company and shall take the opportunity of inviting him to one of the I.P. Research Group Meetings.

Please accept my best thanks for your collaboration and my assurance that every endeavour will be made to keep you in the fullest touch with the work which is being done over here.

Believe me,

Yours sincerely,

(signed) S.J.M. Auld

S.J.M. Auld

SJMA/GBM

12C
Blow down
up + down
+ sound
DS

COPY FROM M. N. NEWQUIST FOR THE SECRETARY
MEMBERS OF SUBCOMMITTEE ON CARCINOGENICITY
6-19-51

AMERICAN LOCOMOTIVE EXPORT COMPANY, INC.

NEW YORK, U.S.A.

25 Victoria Street

London SW 1

11th June, 1951.

AIR MAIL

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The Texas Company,
135 East 42nd Street
New York 17, N. Y.

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Dr. M. N. Newquist, M. D.

June 11, 1951

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Believe me,

Yours sincerely,

(signed) S.J.M. Auld

S.J.M. Auld.

SJMA/GBM.

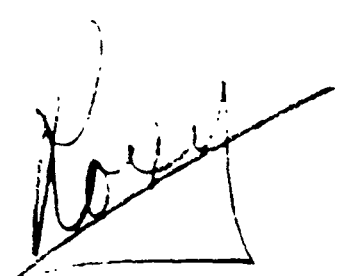
STANDARD OIL COMPANY

(INDIANA)

MEDICAL DEPARTMENT
MYCE B. REEVE, M. D.
MEDICAL DIRECTOR
WELSON W. BOLYARD, M. D.
ASSISTANT MEDICAL DIRECTOR

910 SOUTH MICHIGAN AVENUE

CHICAGO 80, ILL.



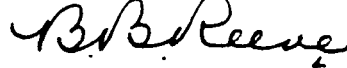
June 22, 1951

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

Dear Mr. Stroop:

In regard to your letter of June 18, I agree that \$2,500.00
should be sent to the University of Cincinnati, as recommended
by the Medical Advisory Committee at the 12th meeting.

Yours very truly,

 M.D.
Medical Director

BBR:rl

AMERICAN PETROLEUM INSTITUTE

50 WEST 50TH STREET

NEW YORK 20, N. Y.

DEPARTMENT OF TECHNICAL SERVICES
DAVID V. STROOP, DIRECTOR

June 25, 1951

Board of Directors
University of Cincinnati
Cincinnati 19, Ohio

Gentlemen:

This communication is authority to continue work on investigation of the toxicity and mode of action of certain petroleum products for the year ending June 30, 1952, according to the terms of the agreement dated January 8, 1946, and on the basis of a maximum budget for operating expenses of \$100,000.

Upon receipt of your approval of the continuation of the project with this maximum budget we shall pay you the sum of \$50,000. The balance of \$50,000, less the unexpended balance in the fund on June 30, 1951, will be paid on January 1, 1952.

It is understood that any balance remaining in the fund on June 30, 1952 will be returned to the American Petroleum Institute, and that no excess over the amount of the budget is to be obligated or spent without written authorization.

Very truly yours,

AMERICAN PETROLEUM INSTITUTE

By Frank M. Porter
President

By Ray Palmer
Secretary

Accepted and Approved

UNIVERSITY OF CINCINNATI
Through its Board of Directors

By W. L. Garrison
Chairman, Board of Directors

By W. L. Garrison
Clerk, Board of Directors

January 10, 1951

Dr. Robert A. Kahoe
University of Cincinnati
The Kettering Laboratory
College of Medicine - Eden Avenue
Cincinnati 19, Ohio

Dear Doctor Kahoe:

Pursuant to our continuation contract with the University of Cincinnati, we should have sent our second fiscal year budget payment on January 1, 1951; however, your financial statements seem to indicate a substantial unexpended balance on deposit at the University.

In accordance with the provisions of the second paragraph of the contract, we enclose the Institute's check in the amount of \$9,065.12 which represents the difference between \$50,000 and the unexpended balance of \$40,934.88, as reported at the end of the second quarter, June 30, 1950.

This check completes the payments due under the present contract for the year ending June 30, 1951.

Very truly yours,

DVS:c
Enclosure

cc: Dr. B. B. Reeve
Mr. Lacey Walker

Note to Mr. Walker:

This disbursement is to be charged against the special Medical Advisory Fund.

DVS

API 05105

January 10, 1951

Dr. Robert A. Kehoe
University of Cincinnati
The Kettering Laboratory
College of Medicine - Eden Avenue
Cincinnati 19, Ohio

Dear Doctor Kehoe:

Pursuant to our continuation contract with the University of Cincinnati, we should have sent our second fiscal year budget payment on January 1, 1951; however, your financial statements seem to indicate a substantial unexpended balance on deposit at the University.

In accordance with the provisions of the second paragraph of the contract, we enclose the Institute's check in the amount of \$9,065.12 which represents the difference between \$30,000 and the unexpended balance of \$40,934.88, as reported at the end of the second quarter, June 30, 1950.

This check completes the payments due under the present contract for the year ending June 30, 1951.

Very truly yours,

DVB:c
Enclosure

cc: Dr. B. B. Reeve
Mr. Lacey Walker

Note to Mr. Walker:

This disbursement is to be charged against the special Medical Advisory Fund.

DVB

API 05106

UNIVERSITY OF CINCINNATI
DEPARTMENT OF PREVENTIVE MEDICINE AND INDUSTRIAL HEALTH

FC/c

July 26, 1950

THE KETTERING LABORATORY
COLLEGE OF MEDICINE—EDEN AVENUE
CINCINNATI 19, OHIO

CABLE ADDRESS: KETLAB. CINCINNATI
TELEPHONE: CAMTOL 1414

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

Dear Mr. Stroop:

I herewith acknowledge with thanks receipt of American Petroleum Institute's check in the amount of \$50,000.00, covering expenditures to be made on their behalf during the period July 1, 1950 to June 30, 1951.

Very truly yours,

E. R. Fortlage

E. R. Fortlage, Secretary to
Dr. Kehoe

ef

July 24, 1950

Dr. Robert A. Kehoe
University of Cincinnati
The Lettering Laboratory
College of Medicine - Eden Avenue
Cincinnati 19, Ohio

Dear Doctor Kehoe:

This acknowledgment of receipt of your letter dated July 18, and the two copies of signed agreement for 1950-51 fiscal year, has been delayed by my absence from New York last week.

Enclosed you will find the Institute's check payable to the University of Cincinnati in the amount of \$50,000 pursuant to the terms of the agreement.

Very truly yours,

DVB:e

Enclosure

cc: Dr. Kieffer Davis
Mr. Lacey Walker

Note to Mr. Walker:

This expenditure is to be charged against the special Medical Advisory Fund.

DVB

UNIVERSITY OF CINCINNATI
DEPARTMENT OF PREVENTIVE MEDICINE AND INDUSTRIAL HEALTH

July 18, 1950

CABLE ADDRESS: KETLAB. CINCINNATI
TELEPHONE: CAPITOL 1414

THE KETTERING LABORATORY
COLLEGE OF MEDICINE—EDEN AVENUE
CINCINNATI 19, OHIO

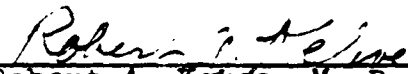
Mr. D. V. Stroop,
American Petroleum Institute,
50 West 50th Street,
New York City 20.

Dear Mr. Stroop:

I return to you herewith, according to the request in your letter of July 6, two copies of the signed agreement.

I have noted the comments on the application of a certain portion of the funds to graduate education for the one year only. I'll be glad to discuss this matter subsequently with all concerned. I think the point of it has been missed by some of the members.

Cordially yours,


Robert A. Kehde, M. D. *AK*

RAK ef

Enc.

Dictated but not read.

AMERICAN PETROLEUM INSTITUTE

50 WEST 50TH STREET

NEW YORK 20, N. Y.

OFFICE OF THE PRESIDENT

July 1, 1950

Board of Directors
University of Cincinnati
Cincinnati 19, Ohio

Gentlemen:

This communication is authority to continue work on investigation of the toxicity and mode of action of certain petroleum products for the year ending June 30, 1951, according to the terms of the agreement dated January 8, 1946, and on the basis of a maximum budget for operating expenses of \$100,000 which is conditioned upon a minimum unexpended balance of \$8,000 remaining in the fund at the University of Cincinnati as of June 30, 1950 and with the understanding that a portion, not to exceed 10 per cent, of the budget shall be expendable in support of the University's program of graduate training in industrial medicine.

Upon receipt of your approval of the continuation and expansion of the project with this conditional maximum budget we shall pay you the sum of \$50,000, the balance of \$50,000, less the unexpended balance of \$8,000 or more as of June 30, 1950, to be paid on January 1, 1951.

It is understood that any balance remaining in the fund on June 30, 1951 will be returned to the American Petroleum Institute, and that no excess over the amount of the budget is to be obligated or spent without written authorization.

Very truly yours,

AMERICAN PETROLEUM INSTITUTE

By F. M. Porter
President
By W. J. Walker
Secretary

Accepted and Approved

UNIVERSITY OF CINCINNATI
Through its Board of Directors

By W. J. Walker
Chairman, Board of Directors

By W. J. Walker
Clerk, Board of Directors

API 05110

AMERICAN PETROLEUM INSTITUTE

50 WEST 50TH STREET

NEW YORK 20, N. Y.

DEPARTMENT OF TECHNICAL SERVICES
DAVID V. STROOP, DIRECTOR

June 29, 1951

Dr. Robert A. Kehoe
University of Cincinnati
Kettering Laboratory of Applied Physiology
Cincinnati 19, Ohio

Dear Doctor Kehoe:

Please accept my thanks for your letter of June 16 which served to clarify my understanding of the current status of the fluorine investigation.

Enclosed is a check in the amount of \$2,500 to cover the Institute's contribution for the fiscal year ending June 30, 1952.

Very truly yours,

DV Strop

DVS:c
Enclosure

cc: Dr. B. B. Reeve
Dr. Geo. M. Saunders
Mr. Lacey Walker
mc: Members and Associates,
Subcommittee on Fluorides

API 05111

COPY

UNIVERSITY OF CINCINNATI

Department of Preventive Medicine and Industrial Health

The Kettering Laboratory
College of Medicine - Eden Avenue
Cincinnati 19, Ohio

June 16, 1951

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

Dear Mr. Stroop:

I am sorry that my letter of April 2 was not clear to you. Evidently, the third paragraph, including the table of pledged funds, was not regarded as guaranteed. I can assure you that these funds are available for the further prosecution of the work in 1951. As to 1952, the least sum that will be available on the basis of present commitment is \$17,000.00 exclusive of API funds. It is probable, although not a matter of firm agreement, that all of the sponsors will continue to be represented on the same basis in 1952.

It is apparent, therefore, that the two contingent conditions, i.e. (1) of the continuation of other sponsors, and (2) of the assurance that the API contribution will not exceed 25 per cent of the total cost during the year, are assured for the fiscal year 1951-52, of API.

I trust that this covers the situation, but if I have failed to understand your query, please do not hesitate to restate it.

With kindest regards,

Cordially yours,

/s/ Robert A. Kehoe

Robert A. Kehoe, M.D.

RAK ef

cc: Dr. B. B. Reeve

API 05112

(C
O
P
Y)

AMERICAN PETROLEUM INSTITUTE

50 WEST 50TH STREET

NEW YORK 20, N. Y.

DEPARTMENT OF TECHNICAL SERVICES
DAVID V. STROOP, DIRECTOR

June 14, 1951

Dr. Robert A. Kehoe
University of Cincinnati
Kettering Laboratory of Applied Physiology
Cincinnati 19, Ohio

Dear Doctor Kehoe:

I have just reviewed your letter of April 2, 1951 and the minutes of the Thirteenth Meeting of the Institute's Medical Advisory Committee, but I do not come to any definite conclusion as to the status of the fluorine investigation.

As you know our research budgets have been placed upon a fiscal year basis with the year beginning July 1.

At present we have budgeted for the fiscal year 1951-52 the sum of \$2,500 as a contribution to the fluorine investigation, but payment is contingent upon continuation of cooperative work by the other industrial participants and upon the condition that the API share of cost shall not exceed 25 per cent of the total cost during the year.

It will be appreciated if you will give me sufficient information to justify a decision about this matter.

Very truly yours,

/s/ D. V. Stroop

DVS:c

cc: Dr. B. B. Reeve

API 05113

*met Adm. Comm.
expenditures*

UNIVERSITY OF CINCINNATI
DEPARTMENT OF PREVENTIVE MEDICINE AND INDUSTRIAL HEALTH

Wm. H. H. H.
R. H. H.

THE LETTERING LABORATORY
COLLEGE OF MEDICINE—EDEN AVENUE
CINCINNATI 19, OHIO

July 2, 1951

CABLE ADDRESS: KETLAR, CINCINNATI
TELEPHONE: CAPITOL 1414

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

Dear Mr. Stroop:

I herewith acknowledge with thanks receipt of American Petroleum Institute's check in the amount of \$2500.00, covering expenditures to be made on their behalf in the investigation of fluorine from July 1, 1951 to June 30, 1952.

Very truly yours,

E. R. Fortlage
E. R. Fortlage, Secretary to
Dr. Kehoe

ef

UNIVERSITY OF CINCINNATI
DEPARTMENT OF PREVENTIVE MEDICINE AND INDUSTRIAL HEALTH

THE LETTERING LABORATORY
COLLEGE OF MEDICINE—EDEN AVENUE
CINCINNATI 19, OHIO

July 3, 1951

Prox
CABLE ADDRESS: METLAB, CINCINNATI
TELEPHONE: CAPITOL 1414

Mr. D. V. Stroop
Department of Technical Services
American Petroleum Institute
50 West 50th Street
New York City 20

Dear Mr. Stroop:

I am forwarding to you herewith two copies of the executed extension of agreement between American Petroleum Institute and the University of Cincinnati to June 30, 1952.

Very truly yours,

E. R. Fortlage
E. R. Fortlage, Secretary to
Dr. Kehoe

ef

Enc.

July 10, 1951

Dr. Robert A. Kahoe
University of Cincinnati
The Kettering Laboratory
College of Medicine - Eden Avenue
Cincinnati 19, Ohio

Dear Doctor Kahoe:

This is to acknowledge receipt of your letter dated July 3, 1951 and the two copies of the signed agreement for 1951-52 fiscal year.

Enclosed you will find the Institute's check payable to the University of Cincinnati in the amount of \$30,000 pursuant to the terms of the agreement.

Very truly yours,

DVB:s
Enclosure

cc: Dr. B. B. Reeve
Mr. Lacey Walker

Note to Mr. Walker:

This expenditure is to be charged against the Medical Advisory Fund.

P. Lacey Walker

DVB

UNIVERSITY OF CINCINNATI
DEPARTMENT OF PREVENTIVE MEDICINE AND INDUSTRIAL HEALTH

THE KETTERING LABORATORY
SCHOOL OF MEDICINE—EDEN AVENUE
CINCINNATI 19, OHIO

July 12, 1951

W. J. Walker
CABLE ADDRESS: KETTER, CINCINNATI
TELEPHONE: CAPITAL 1414

Mr. D. V. Strop, Director
Department of Technical Services
American Petroleum Institute
50 West 50th Street
New York City 20

Dear Mr. Strop:

I herewith acknowledge with thanks receipt of American Petroleum Institute's check in the amount of \$50,000.00, covering expenditures to be made on their behalf.

Very truly yours,

E. R. Fortlage
E. R. Fortlage, Secretary to
Dr. Kehoe

ef