

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

DATE: 1950

DOC#: API024

DOCUMENT DESCRIPTION: Documents and Letters Related to Expenditures of the American Petroleum Institute to Various Colleges & Universities with Study Proposal Attached

UNIVERSITY OF CINCINNATI
DEPARTMENT OF PREVENTIVE MEDICINE AND INDUSTRIAL HEALTH

File

January 12, 1950

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

CABLE ADDRESS: KETLAB, 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 \$39,963.39, covering expenditures to be made on their behalf for the balance of the year ending June 30, 1950.

Very truly yours,

E. R. Fortlage

E. R. Fortlage, Secretary to
Dr. Kehoe

ef

API 04917

January 10, 1950

Dr. Robert A. Lehee
Kettering Laboratory of Applied Physiology
College of Medicine
University of Cincinnati
Cincinnati 19, Ohio

Dear Doctor Lehee:

Pursuant to the terms of the continuation agreement of June 30, 1949 we enclose the Institute's check in the amount of \$38,963.39 to continue the investigation of the toxicity and mode of action of certain petroleum products for the balance of the year ending June 30, 1950.

The figure of \$38,963.39 is the difference between the balance of \$49,412.00 stated in the agreement and the \$10,448.61 unexpended balance as of June 30, 1949.

Very truly yours,

BWS:d
Enclosure

UNIVERSITY OF CINCINNATI
DEPARTMENT OF PREVENTIVE MEDICINE AND INDUSTRIAL HEALTH

February 16, 1955

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

CABLE ADDRESS: KETLAB CINCINNATI
TELEPHONE: CAPITOL 1414

KD.
FILE

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

Dear Mr. Stroop:

I am sending you herewith, for your information, a statement of expenditures made on behalf of The American Petroleum Institute for the fourth quarter of 1949. 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 Fourth Quarter 1949

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

Robert A. Kehoe	- Supervision	17.30
Francis Heyroth	- Chemical and Toxicological Asst.	38.37
Frank Dutra	- Pathological Assistance	14.01
Frank Cleveland	- " "	88.56
A. Wesley Horton	- Chemical Assistance	1800.00
John Phair		1375.02
Dorothy Templeton-a	" "	303.54
Russell Tye	- " "	900.00
Karl Korpi	- Technical Assistance	135.54
Sylvan Witherup	- " "	160.35
Ruth Pierle	- " "	1125.00
Waldo Younker	- " "	47.86
Harold Schlecht	- " "	7.78

6013.33

MISCELLANEOUS EXPENSE

Purchase of Animals	119.21
Laboratory Supplies	328.37
Traveling Expense	1194.02
Proportion of Secretarial, Library, Janitors, Wash Boys, Draftsman, Shipping Clerks, Animal Caretakers, Histopathological Preparation etc	2598.32
Proportion of Heat, Gas, Electricity, Steam, Telephone, Maintenance, Pensions, Annuities etc	2378.38

TOTAL \$12,631. 63

Balance Available for Work in 1949
at End of 3rd Quarter 1949 \$47,225.78

Expenditures 4th Quarter 1949 12,631.63

Balance Available for Work in 1950
at End of 4th Quarter 34,594.15

HARVARD UNIVERSITY

OFFICE OF THE ASSISTANT
TO THE PRESIDENT

March 6, 1950

24 MILK STREET
BOSTON 9, MASSACHUSETTS

*LD
FILE*

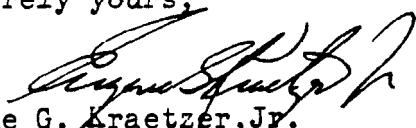
Mr. David V. Stroup, Director
American Petroleum Institute
50 West 50th Street
New York 20, N.Y.

Dear Mr. Stroup:

We are pleased to enclose Harvard's formal acknowledgment for your valued assistance in the matter of the grant to the Department of Industrial Hygiene.

As you requested, I return two copies of the letter of authorization duly accepted on behalf of Harvard.

Sincerely yours,


Eugene G. Kraetzer, Jr.
Recording Secretary

EGKJr/S

API 04921

AMERICAN PETROLEUM INSTITUTE

50 WEST 50TH STREET

NEW YORK 20, N. Y.

DEPARTMENT OF SAFETY
DAVID V. STROOP, DIRECTOR

February 28, 1950

Mr. U. Haskell Crocker
Harvard University
24 Milk Street
Boston 9, Mass.

Dear Mr. Crocker:

This letter is authorization to continue the investigation of permissible concentrations of toxic substances, known as American Petroleum Institute Medical Project No. 2; Professor Philip Brincker, Director, as planned and administered cooperatively with the Subcommittee on Permissible Concentrations of the API Medical Advisory Committee, from March 15, 1950 to June 30, 1950, subject to the following conditions:

1. Budget
Salaries and Expenses \$3,000

2. Our check in the amount of \$3,000 is enclosed. On June 30, 1950 the project is to terminate. As of that date a statement of the amount expended and the balance in the fund will be rendered to Lacey Walker, Secretary, American Petroleum Institute, 50 West 50th Street, New York 20, New York.

3. While it is not anticipated that patentable developments will arise out of this project, it is understood and agreed that if such should arise, the benefits will be dedicated to the public by publication or otherwise.

Very truly yours,

AMERICAN PETROLEUM INSTITUTE

By

W. M. Mays
President
Lacey Walker
Secretary

Accepted by:
President and Fellows of
HARVARD COLLEGE, by

Eugene S. Shaler

Assistant Secretary

RECORDS SECTION

API 04922

AMERICAN PETROLEUM INSTITUTE

50 WEST 50TH STREET

NEW YORK 20, N. Y.

DEPARTMENT OF SAFETY
DAVID V. STROOP, DIRECTOR

February 28, 1950

Mr. U. Haskell Crocker
Harvard University
24 Milk Street
Boston 9, Mass.

Dear Mr. Crocker:

This letter is authorization to continue the investigation of permissible concentrations of toxic substances, known as American Petroleum Institute Medical Project No. 2; Professor Philip Drinker, Director, as planned and administered cooperatively with the Subcommittee on Permissible Concentrations of the API Medical Advisory Committee, from March 15, 1950 to June 30, 1950, subject to the following conditions:

1. Budget

Salaries and Expenses \$3,000

2. Our check in the amount of \$3,000 is enclosed. On June 30, 1950 the project is to terminate. As of that date a statement of the amount expended and the balance in the fund will be rendered to Lacey Walker, Secretary, American Petroleum Institute, 50 West 50th Street, New York 20, New York.

3. While it is not anticipated that patentable developments will arise out of this project, it is understood and agreed that if such should arise, the benefits will be dedicated to the public by publication or otherwise.

Very truly yours,

AMERICAN PETROLEUM INSTITUTE

By

W. M. K. K. K.
President
L. Walker
Secretary

Accepted by:

President and Fellows of
HARVARD COLLEGE, by

Frederic S. Sturges
Assistant Secretary
ASSISTANT SECRETARY
TO THE CORPORATION



President and Fellows of Harvard College
desire to express their gratitude to
American Petroleum Institute
for the generous gift of

three thousand dollars on account of a
renewed grant to continue investigation
of permissible concentrations of toxic
substances, under the direction of Pro-
fessor Philip Drinker.


Recording Secretary

March 6, 1950

February 28, 1950

Professor Philip Brinker
Harvard University
School of Public Health
55 Shattuck Street
Boston 15, Mass.

Dear Professor Brinker:

In response to your letter of February 18 we are enclosing both the letter of authorization (three copies) and our check in the amount of \$3,000 to cover the continuation of Medical Project No. 2 from March 15 until June 30, 1950, at which time it is to terminate.

We trust that the letter of authorization is satisfactory to you and the Treasurer and that two signed copies may be returned to us.

Very truly yours,

DVB:d

Enclosures

cc: Dr. V. G. Baird
Dr. Kieffer Davis
Dr. J. F. Holt
Mr. Lacey Walker

February 26, 1950

Mr. U. Macdonall Greehler
Harvard University
24 Kirk Street
Boston 9, Mass.

Dear Mr. Greehler:

This letter is authorization to continue the investigation of pararesorbable concentrations of toxic substances, known as American Petroleum Institute Medical Project No. 2; Professor Philip Brinzer, Director, as planned and administered cooperatively with the Subcommittee on Pararesorbable Concentrations of the APT Medical Advisory Committee, from March 15, 1950 to June 30, 1950, subject to the following conditions:

1. Budget
Salaries and Expenses \$3,000

2. Our check in the amount of \$3,000 is enclosed. On June 30, 1970 the project is to terminate. As of that date a statement of the amount expended and the balance in the fund will be rendered to Lacey Walker, Secretary, American Petroleum Institute, 30 West 30th Street, New York 20, New York.

3. While it is not anticipated that potential developments will arise out of this project, it is understood and agreed that if such should arise, the benefits will be dedicated to the public by publication or otherwise.

Very truly yours,

AMERICAN PETROLEUM INSTITUTE

By _____
President

Secretary

Accepted by:
President and Fellows of
HARVARD COLLEGE, by



President and Fellows of Harvard College

desire to express their gratitude to

American Petroleum Institute

for the generous gift of

ten thousand dollars in continued support of investigation of permissible concentrations of toxic substances under the direction of Dr. Philip Drinker, as stated in their letter dated March 14, 1949 to Mr. Claflin.

W. Brewster Carter.

Recording Secretary

March 17, 1949

HARVARD UNIVERSITY

OFFICE OF SPECIAL ADVISER
TO THE PRESIDENT

March 17, 1949

FILE
24 MILK STREET
BOSTON 9, MASSACHUSETTS

Mr. David V. Strop, Director
Department of Safety
American Petroleum Institute
50 West 50th Street
New York 20, N.Y.

Dear Mr. Strop:

This will acknowledge receipt of the letter of March 14 from the American Petroleum Institute to Mr. Claflin, who resigned as Treasurer last June 30.

I take pleasure in enclosing herewith our formal acknowledgment for the very welcome gift of \$10,000 for the continuation of the investigation which is being carried on under the direction of Dr. Philip Drinker. We are indeed grateful to the American Petroleum Institute for this additional assistance.

I also return herewith two copies of the letter setting forth the conditions on which this project is being undertaken. I have indicated Harvard's acceptance by signing this letter as Assistant Secretary.

Sincerely yours,

U. Haskell Crocker

U. Haskell Crocker
Recording Secretary

S

AMERICAN PETROLEUM INSTITUTE

50 WEST 50TH STREET

NEW YORK 20, N. Y.

March 14, 1949

DEPARTMENT OF SAFETY
DAVID V. STROOP, DIRECTOR

Mr. William E. Claflin, Jr.
Treasurer of Harvard University
24 Milk Street
Boston, Mass.

Dear Mr. Claflin:

This letter is authorization to continue the investigation of permissible concentrations of toxic substances, known as American Petroleum Institute Medical Project No. 2; Professor Philip Brinker, Director, as planned and administered cooperatively with the Subcommittee on Permissible Concentrations of the API Medical Advisory Committee, from March 15, 1949 to March 14, 1950, subject to the following conditions:

1. Budget
Salaries and Expenses \$10,000

2. Our check in the amount of \$10,000 is enclosed. As of March 14, 1950, a statement of the amount expended and the balance in the fund will be rendered to Lacey Walker, Secretary, American Petroleum Institute, 50 West 50th Street, New York 20, N.Y.

3. If the work under this project should terminate on or before March 14, 1950, it is understood that any unexpended balance in the fund will be returned to the Institute. If the work is to be continued on and after March 15, 1950, any unexpended balance in the fund shall become available for and be added to the budget for the ensuing year.

4. While it is not anticipated that patentable developments will arise out of this project, it is understood and agreed that if such should arise, the benefits will be dedicated to the public by publication or otherwise.

Very truly yours,

AMERICAN PETROLEUM INSTITUTE

By

W. R. Egan

President

Lacey Walker

Secretary

Accepted by:
President and Fellows of
HARVARD COLLEGE, by

U. Haskell

U. HASKELL

Assistant Secretary

API 04929

AMERICAN PETROLEUM INSTITUTE

50 WEST 50TH STREET

NEW YORK 20, N. Y.

March 14, 1949

DEPARTMENT OF SAFETY
DAVID V. STROOP, DIRECTOR

Mr. William H. Claflin, Jr.
Treasurer of Harvard University
24 Milk Street
Boston, Mass.

Dear Mr. Claflin:

This letter is authorization to continue the investigation of permissible concentrations of toxic substances, known as American Petroleum Institute Medical Project No. 2; Professor Philip Brinker, Director, as planned and administered cooperatively with the Subcommittee on Permissible Concentrations of the API Medical Advisory Committee, from March 15, 1949 to March 14, 1950, subject to the following conditions:

1. Budget

Salaries and Expenses \$10,000

2. Our check in the amount of \$10,000 is enclosed. As of March 14, 1950, a statement of the amount expended and the balance in the fund will be rendered to Lacey Walker, Secretary, American Petroleum Institute, 50 West 50th Street, New York 20, N.Y.

3. If the work under this project should terminate on or before March 14, 1950, it is understood that any unexpended balance in the fund will be returned to the Institute. If the work is to be continued on and after March 15, 1950, any unexpended balance in the fund shall become available for and be added to the budget for the ensuing year.

4. While it is not anticipated that patentable developments will arise out of this project, it is understood and agreed that if such should arise, the benefits will be dedicated to the public by publication or otherwise.

Very truly yours,

AMERICAN PETROLEUM INSTITUTE

By

M. E. Smith

President

Lacey Walker

Secretary

Accepted by:

President and Fellows of
HARVARD COLLEGE, by

W. H. C. Parker

Assistant Secretary

API 04930

March 14, 1949

Professor Philip Drinker
Harvard University
School of Public Health
55 Shattuck Street
Boston 15, Mass.

Dear Professor Drinker:

We have been delayed in the negotiation of our continuing agreement on Medical Project No. 2; therefore, we are enclosing both the letter of authorization (3 copies) and our check in the amount of \$10,000.

We trust that both are in good form and acceptable to you and the Treasurer of Harvard University.

If, as, and when accepted, please return two signed copies of the letter for our use and files.

Very truly yours,

DVS:d

Enclosures

cc: Dr. V. C. Baird
Dr. A. E. Houg
Dr. J. P. Holt

From the office of

DAVID V. STROOP

5/14/49

To WRB Jr _____

PLEASE SIGN 4 COPIES OF
THIS AGREEMENT WHICH COVERS
CONTINUATION OF MEDICAL
RESEARCH PREVIOUSLY APPROVED
BY EXECUTIVE COMMITTEE
AND FINANCED BY SPECIAL
FUNDS CONTRIBUTED IN 1948

①/5

Feb-1950
~~March 14, 1949~~ 1950
1950 to June 30 1950
on June 30, 1950 the project is to terminate. As of that date.

Mr. William E. Claflin, Jr.
Treasurer of Harvard University
84 Milk Street
Boston, Mass.

Dear Mr. Claflin:

This letter is authorization to continue the investigation of permissible concentrations of toxic substances, known as American Petroleum Institute Medical Project No. 2; Professor Philip Drinker, Director, as planned and administered cooperatively with the Subcommittee on Permissible Concentrations of the API Medical Advisory Committee, from March 15, 1949 to March 14, 1950, subject to the following conditions:

1. Budget 3000
Salaries and Expenses ~~(10,000)~~

2. Our check in the amount of ~~\$10,000~~ 3000 is enclosed. As of March 14, 1950, a statement of the amount expended and the balance in the fund will be rendered to Lacey Walker, Secretary, American Petroleum Institute, 50 West 50th Street, New York 20, N.Y.

3. If the work under this project should terminate on or before March 14, 1950, it is understood that any unexpended balance in the fund will be returned to the Institute. If the work is to be continued on and after March 15, 1950, any unexpended balance in the fund shall become available for and be added to the budget for the ensuing year.

4. While it is not anticipated that patentable developments will arise out of this project, it is understood and agreed that if such should arise, the benefits will be dedicated to the public by publication or otherwise.

Very truly yours,

AMERICAN PETROLEUM INSTITUTE

By _____

President

Secretary

Accepted by:
President and Fellows of
HARVARD COLLEGE, by

AMERICAN PETROLEUM INSTITUTE
SUBCOMMITTEE ON CARCINOGENICITY

Minutes of Meeting
March 25, 1950
Kettering Laboratory
College of Medicine
University of Cincinnati
Cincinnati, Ohio

Members Present

McIver Woody (Chairman)
Marshall Clinton
T. M. Frank
A. E. Hoag
J. P. Holt (Rep. by R. E. Eckardt)
T. J. Kelly
J. W. Long
M. N. Newquist

Associates Present

L. C. Beard, Jr.
L. C. Crockett
R. M. Landon
H. P. Lankeima
K. G. Mackenzie
R. M. Shepardson

Visitors

T. E. Allen
F. F. Boys
J. W. Crookshank
Kieffer Davis
E. K. Linder
B. B. Reeve

E. W. Adams
R. D. Bent
R. C. Cole
T. E. DeVilliers
L. M. Henderson

Guests

Lewis J. Cralley - U. S. Public Health Service
Francis Heyroth - University of Cincinnati
A. W. Horton - University of Cincinnati
R. A. Kehoe - University of Cincinnati
John J. Phair - University of Cincinnati
D. V. Stroop - American Petroleum Institute
J. G. Townsend - U. S. Public Health Service
E. R. Warrick - The Texas Company

Members Absent

L. E. Curtis
W. R. Levis
Chas. A. Swan

Associates Absent

R. W. Fzulk
H. G. M. Fischer
Allen E. Docley

.....

THE KETTERING LABORATORY OF APPLIED PHYSIOLOGY

Dr. Robert A. Kehoe, Director, welcomed the members and guests and gave them an historical review of the origin and growth of the Kettering Laboratory.

He expressed appreciation for the contribution of capital funds made by the petroleum industry and described the facilities which had been made possible by those funds.

He mentioned the types of industrial problems which are studied at the laboratory and reviewed in detail those problems which are under investigation for the petroleum industry.

He emphasized the exceptional character of the API project on carcinogenicity because it constitutes an organized study of a problem prior to the occurrence of trouble. Usually the trouble occurs before any investigation is made.

PROGRESS REPORT

1. Dr. A. Wesley Horton presented and discussed his report of March 15th, a copy of which is attached.
2. Dr. John J. Phair discussed progress and plans being made on the epidemiological studies for the project. See attached copy of Dr. Phair's report.
3. For the information of those present, D. V. Stroop read draft of progress report which was in preparation for John R. Suman, Chairman of the Safety Committee of the Board of Directors, to present to the Board at its meeting to be held in Houston, Texas on April 3rd.

A copy of the report as presented by Mr. Suman is attached.

GUESTS

Dr. Woody introduced Dr. J. G. Townsend, Chief, Division of Industrial Hygiene, Public Health Service, who reviewed the division's long experience with scrotal and other forms of cancer incidental to workers in wax-pressing operations.

He reminded the members that the Public Health Service is not empowered to control or regulate industrial operations; it can only suggest or recommend precautionary and remedial measures to improve industrial hygiene conditions.

He called attention to the U. S. Public Health laboratory in Cincinnati and tendered the services of a liaison officer to work with Dr. Kehoe and to correlate plans so as to avoid duplication of work with that now being conducted for the Bureau of Mines on shale oil.

He expressed his appreciation of the opportunity to attend the meeting and to obtain first-hand information on the work being done by the industry at Kettering Laboratory.

Dr. Townsend introduced Dr. Cralley, who spoke briefly about his interest in the project.

TOUR OF LABORATORIES

Following a splendid luncheon served in the University of Cincinnati dining room, Drs. Kehoe and Heyroth conducted the members and guests on extended tours of inspection of the Kettering Laboratories.

EXECUTIVE SESSION

The members held a short executive session to discuss matters of business relating to the administration of the carcinogenicity project.

D. V. Stroop
Acting Secretary

Approved:

McIver Woody, M.D.
Chairman

For Information Only - Not For Publication

Report to Subcommittee on Carcinogenicity
of the
API Medical Advisory Committee
on
PROJECT ON CARCINOGENICITY AT THE
UNIVERSITY OF CINCINNATI

Operating data on the various cracking and lube refining processes have been received from over 90 per cent of the cooperating oil companies. Collection of the samples listed in Table 1 is under way, the materials being held temporarily in storage at the refineries until requested by the Kettering Laboratory for animal testing. Corresponding to each of the product samples listed, a sample of the feed stock to the particular unit is being collected at the same time. Thus, if any one of the products is found to have unusual carcinogenic properties, it will be possible to go back and determine the potency of the feed stream for a direct comparison.

Up to the present time, spectral analysis has continued to prove a reliable tool for the prediction of the carcinogenic potency of the various petroleum products to which it has been applied. Accordingly, it has been requested that this procedure be applied to each of the product samples listed in Table 1 by the company collecting it.

With all of the analytical and spectral absorption properties of the samples as well as the operating data on the units producing them before us, it will be possible to select the materials for animal testing in such a way that complete coverage of the various processes can be given and, at the same time, the validity of the spectral method of analysis for carcinogen concentration can be determined rigorously. The latter is a most important point since without a reliable analytical tool it might be necessary to keep a large scale animal testing program going continuously for several years.

This tentative sample list for the period, July 1950 to July 1951, is being submitted at this time for discussion and comments by the Members and Associates of the Medical Advisory Committee. We shall welcome any suggestions as to its organization. The complete list of the samples which are under study at the present time will be included in our April report which will be circulated in advance of the Chicago meeting. Doctor J. J. Phair will outline at that meeting the status of his epidemiological study.

A. Wesley Horton

AWH:fe
March 15, 1950

TABLE 1

UNIT	PRODUCTS							
	Heavy Gas Oils	Tars	Synthetic Bottoms	Slurry (Decanted Oil)	Coke	Slack Wax	Press Oil	Solvent Extracts
Gas Oil Cracking	5	23						
Viscosity Breaking	3	8						
Naphtha Reforming		4						
Coking	4				4			
Polyforming	1	4						
Houdry	5		8					
TCC	6		17					
FCC	12			10				
Cycloversion	2							
Hydroformer		2						
Wax Pressing						4	2	
Furfural Extraction								5
Phenol Extraction								15
Duosol Extraction								3
Nitrobenzene Extraction								1

TOTAL PRODUCT SAMPLES 148

For Information Only - Not for Publication

THE PROJECT ON CARCINOGENICITY
PROPOSED EPIDEMIOLOGICAL STUDIES

Objectives

Possible Approaches

Implementation

Preliminary Outline
for
The Subcommittee on Carcinogenicity
of the
API Medical Advisory Committee
March 25, 1950

OBJECTIVES

- I. To determine as accurately as possible, the prevalence and incidence rates of retrograde, hypertrophic, and/or neoplastic responses in man following various degrees of exposure during production, processing, transportation and consumption to:-
 - A. petroleum products obtained by catalytic cracking processes.
 - B. petroleum products obtained by thermal cracking processes.
 - C. products encountered in wax extraction.
 - D. special chemical products.
 - E. various crude oils.
- II. To compare, insofar as possible, the prevalence and incidence rates found with similar rates of:-
 - A. groups of workers in the petroleum industry not directly in contact with petroleum or its products.
 - B. groups not employed in the petroleum industry, such as:-
 1. the general population
 - a. of the nation.
 - b. of the same geographic areas.
 2. the employees of other industries
 - a. of the nation.
 - b. of the same geographic areas.

III. To ascertain and evaluate, insofar as possible, the relative values of control procedures that are:-

- A. accepted and employed at the present time by essentially the entire industry.
- B. recommended but not adopted or employed except by a few companies.
- C. additional measures which may become important during the course of this investigation.

IV. To recommend for consideration of all interested parties, employing the results of the laboratory and epidemiological studies, standardized safety and control procedures provided that:-

- A. unusual incidence or prevalence rates are found justifying the control procedures.
- B. the measures increase the safety and efficiency of the operation even though the rates might not indicate a significant hazard.

POSSIBLE APPROACHES

I. Historical

Under this approach, the cooperating companies will forward to the University of Cincinnati all available clinical and employment records of proven or suspected cases of neoplastic disease which have been reported among their employees during the past insofar as records are available.

II. Current Registry

A. Clinical and Employment Record Study

A central registry will be established by the University of Cincinnati group to receive reports of neoplastic disease as they are discovered by and/or reported currently to the various Medical Departments. With this plan, the various cooperating companies would submit a fairly complete clinical report and an adequate employment record using standardized record forms. These records can be expected to be somewhat more reliable than those forwarded under the Historical Approach, since they would be completed immediately upon the report of a case.

B. Central Pathology Service

As an adjunct to the central registry, it would seem desirable to plan for the establishment of a central pathology service so that a uniform tissue diagnosis would be available both for the study purposes and to stimulate the interest and cooperation of the various Medical Departments.

III. Employee Health Record Study

In this investigation the epidemiological team of the University of Cincinnati would attempt a review of the employee health benefit records, not only of the various companies of the petroleum industry but certain other cooperating industries, to establish, insofar as possible, comparable incidence rates for all diseases. This approach, with due regard for the many variables, should develop certain useful intra- and extra-mural comparisons.

IV. Dermatological Field Study

This plan envisions field studies among various groups of workers employed not only in the petroleum industry but also in other industries with the objective of establishing comparable incidence rates for retrograde or hyperkeratotic lesions on the exposed skin surfaces. The groups to be surveyed by a trained team from the University of Cincinnati should be selected by an authorized committee familiar with all the possible variables and capable of securing adequate cooperation by all interested groups. These rates, if some degree of correlation is shown, could be used to determine susceptibility of individuals or groups, to estimate the degree of hazard in various situations and to evaluate control procedures that may be proposed.

V. Slack Wax Study

An investigation by one of the interested members of this group has pointed out an unusual hazard in their slack wax process. In view of this finding, it would be desirable for the survey group of the University of Cincinnati, working either independently or with some other company and/or companies, to repeat this investigation.

IMPLEMENTATION

I. Historical Approach

This approach was approved in principle at the November, 1949 meeting of the Medical Advisory Committee following the report of the Subcommittee. Actual work was held up until the various Medical Directors and Technical Advisors could be contacted individually for their suggestions regarding the clinical and employment records to be employed. It was necessary also to determine legal right of the various Medical Departments to release clinical records of their employees to an independent agency.

These questions have been fully clarified, and the new record forms embodying the various suggestions are being drafted. The proposed handling of the individual records so that the Medical Departments will not incur a liability because of their release to an independent agency with the standard records will be included in the formal report to be made at the April meeting in Chicago.

II. Current Registry

A. Clinical and Employment Record Study

Since the records and questions involved under this plan are very similar to those found with the Historical Approach, this effort has likewise awaited completion of the various interviews, although the concept was approved in principle at the November meeting. It is hoped that this work can begin early this summer.

II. Current Registry (Cont.)

B. Central Pathology Service

This is a new venture and one that is favored by many of the Medical Directors. Before it can be placed into operation, however, it will be necessary to determine if all believe that it is desirable and an acceptable method of financing.

III. Employee Health Record Study

This plan has been discussed only with a few of the Medical Directors. Before definitive action can be taken, this approach should be discussed thoroughly by the Medical Advisory Committee, since a great deal of effort will be required both from the various companies as well as the University of Cincinnati to bring it to a successful termination.

IV. Dermatological Field Survey

This, too, is a concept which has not been completely discussed and must be explored thoroughly by all interested parties. Financing and staffing would be problems, but this approach could be tested thoroughly within a very short time. If proven valid, it should give answers to the proposed objectives much more quickly and easily than any other method.

V. Slack Wax Study

It is apparent now that the probable implementation of this approach will require the cooperation of one or two companies in the industry. If the Medical Advisory Committee approves and interested companies can be found, this investigation could get under way very shortly without too much trouble.

SAFETY COMMITTEE OF BOARD OF DIRECTORS

REPORT OF CHAIRMAN - JOHN R. SUMAN

Concurrently with important developments in refining methods, processes, and products, the industry's toxicological problems are growing in number and complexity. Oil companies are making substantial increases in their medical staffs and facilities.

These developments led to the creation of the Institute's Medical Advisory Committee in 1945. Since then the committee has served constructively by making useful information available to oil companies for their protection of employees and customers against accidental injury and for the defense of industry against unreasonable and unnecessary laws and regulations, as well as unjustified and false claims for damages.

The organization of this committee and its semiannual meetings have facilitated an informal exchange of medical information of intangible but substantial value in the prevention and treatment of industrial injuries and occupational disease.

The committee also has been instrumental in organizing special studies and investigations on important toxicological problems with cooperative grants-in-aid at the University of Cincinnati and Harvard University.

The initiation of this work promptly after the end of the war has placed the industry in a favorable position at a time when numerous proposals are being made to give government new and far-reaching controls in the field of industrial medicine and hygiene.

The individual members of the committee, through their several professional channels and associations, acquire valuable information regarding these trends in regulatory legislation. The pooling of the information thus obtained clearly indicates trends which are disquieting.