COPY

GENERAL MOTORS CORPORATION
DETROIT, MICHIGAN

February 12, 1932.

[redacted] Mines Clinic,
[redacted]

Dear Dr. Meriwether:

The Johns-Manville Corporation have a plant at Manville, N. J. which employs about 1200 people. They are going to make a survey of their employees to determine the amount of asbestosis in the plant. To do this they are going to take one-half of their employees and have them fluoroscoped. They will then be examined and x-rayed. The physician who does the fluoroscopic work will have no connection with the x-ray work, the idea being to make the diagnosis with the x-ray and then determine to what extent the fluoroscope is correct.

Metropolitan

Dr. Fellows is of the opinion that it will probably be difficult, if not impossible, to pick up asbestosis with a fluoroscope, although he thinks there would be no trouble in detecting silicosis by this method.

I have recommended to the Johns-Manville Corporation, as has Dr. Fellows, that they depend upon you for the interpretation of the x-ray films, 600 in number, and they will be glad to pay you a fee of $200.00 for this work. They feel, as does Dr. Fellows, that they have no more right to ask this service from you without proper recompense than they would any other phase of the study.

If this is agreeable to you, will you please let me know so that I can communicate with Mr. Vandiver Brown, the General Counsel of the Johns-Manville Corporation. I hope that you can do this as this is really a very important experiment on this whole question of physical examination in industry and its value for detecting effects.

I am hoping to visit you with Dr. Sayers about March 1st but would like an answer to this letter as soon as possible.

With best regards, I am

Sincerely yours,

(Signed) A. J. Lanza.

P.S.
Dr. Fellows would like to know what type of film would be desired for this work, that is, a fairly brilliant film with a good deal of contrast, or a moderately light film which would show the earlier changes. He believes that a film strictly comparable with that used in the Metropolitan Office would probably be satisfactory.

I would appreciate if on receipt of this you would write directly to Dr. E. E. Fellows, Metropolitan Life Insurance Co., 1 Madison Avenue, New York City, and advise him as to the technique, remembering that these asbestosis cases do not show up as clearly as do the silicosis.

A. J. L.

GOVERNMENT EXHIBIT 1555

[redacted]

COPY

GENERAL MOTORS CORPORATION
DETROIT, MICHIGAN

February 12, 1932.

Dr. F. V. Meriwether,
U.S. Bureau of Mines Clinic,
Picher, Okla.

Dear Dr. Meriwether:

The Johns-Manville Corporation have a plant at Manville, N. J. which employs about 1200 people. They are going to make a survey of their employees to determine the amount of asbestosis in the plant. To do this they are going to take one-half of their employees and have them fluoroscoped. They will then be examined and x-rayed. The physician who does the fluoroscopic work will have no connection with the x-ray work, the idea being to make the diagnosis with the x-ray and then determine to what extent the fluoroscope is correct.

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If this is agreeable to you, will you please let me know so that I can communicate with Mr. Vandiver Brown, the General Counsel of the Johns-Manville Corporation. I hope that you can do this as this is really a very important experiment on this whole question of physical examination in industry and may have far reaching effects.

I am hoping to visit you with Dr. Sayers about March 1st but would like an answer to this letter as soon as possible.

With best regards, I am

Sincerely yours,

(Signed) A. J. Lanza.

P.S.
Dr. Fellows would like to know what type of film would be desired for this work, that is, a fairly brilliant film with a good deal of contrast, or a moderately light ~~film~~ which would show the earlier changes. He believes that a film strictly comparable with that done in the Metropolitan Office would probably be satisfactory.

I would appreciate if on receipt of this you would write directly to Dr. H. H. Fellows, Metropolitan Life Insurance Co., 1 Madison Avenue, New York City, and advise him as to the technique, remembering that these asbestosis cases do not show up as clearly as do the silicosis.

A. J. L.

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REPRODUCED AT THE NATIONAL ARCHIVES

February 16, 1932.

Dr. E. H. Fellows,
Metropolitan Life Insurance Co.
1 Madison Avenue,
New York, N.Y.

Dear Dr. Fellows:

I have a letter from Dr. Lanza with reference to making some films for the Johns-Manville Corporation at Manville, N.J., and he desired that I notify you as to the type of film that would be suitable.

I would suggest a fairly hard film, with as much contrast as possible. I like this type of film much better in reading for any fibrotic changes than the softer film, as I believe that it gives fewer errors between the interpretations and clinical findings than in the softer film.

Yours respectfully,

F. V. Meriwether,
Surgeon in Charge.

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(COPY)

February 16, 1932.

Dr. A. J. Lanza,
Room 15-159 General Motors Bldg.,
Detroit, Michigan.

Dear Dr. Lanza:

In reply to your letter in reference to interpreting X-ray pictures for the Johns-Manville Corporation, of employees working at the Corporation's plant at Manville, N. J.:

As you know, regulations against any of the Public Health men accepting any remuneration for work done without the permission of the Surgeon General exist. I am therefore sending Dr. Sayers a copy of your letter for his action. If it is agreeable with him, I would certainly be glad to receive the $200.00, as I don't know of anything that would come in much handier at the present moment, as I have spent considerable in hospital expenses. However, if it is not permissible, you may notify the people to send the pictures down and I am sure that it would be agreeable to Dr. Sayers for me to read them without charge. I would certainly be glad to read the pictures for you in any event. I am writing Dr. Fellows as suggested in your letter with reference to the character of films desired.

I have been in the hospital with intestinal influenza (not my diagnosis) for a week or ten days. I am up today, but am leaving for Oklahoma City this afternoon to have some cardiographs run, as it seems to have affected my heart to some extent. However, the attending physicians tell me it is a temporary affair but I must say that it gives a very disagreeable sensation. I hope to be back on my feet and able to work within a short time.

With best wishes, I am

Yours respectfully,

F. V. Meriwether,
Surgeon in Charge.

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REPRODUCED AT THE NATIONAL ARCHIVES

METROPOLITAN LIFE INSURANCE COMPANY
FREDERICK H. ECKER, PRESIDENT
NEW YORK CITY

HAYNES HAROLD FELLOWS, M.D.
Assistant Medical Director

February 18, 1932.

Dr. F. V. Meriwether,
Surgeon-in-Charge,
United States Department of Commerce,
Bureau of Mines Co-operative Clinic,
Picher, Oklahoma.

Dear Dr. Meriwether:

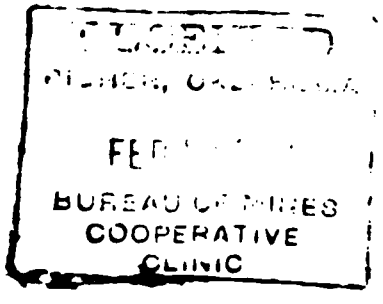
I have your letter of February 16 and am sending a copy direct to the Johns-Manville Corporation. I believe that they will show this letter to the X-ray technician and that the type of film will be such as you suggest.

With very best personal regards, I am,

Sincerely yours,

Fellows.

H. H. Fellows, M.D.



February 20, 1932.KMK:am

The Surgeon General,
U. S. Public Health Service,
Washington, D. C.

Sir:

I have the honor to inclose herewith copy of a letter from Dr. A. J. Lanza to Dr. F. V. Meriwether and Dr. Meriwether's reply.

In Dr. Meriwether's reply he states he is sending a copy of the letter to me for action. This is referred to you for consideration in accordance with Paragraph 518 of the Regulations.

Respectfully,

R. R. SAYERS,
Surgeon, U.S.P.H.S.
Chief Surgeon, U.S.P.H. of M.

Inclosure No. 17488.

TREASURY DEPARTMENT

BUREAU OF
THE PUBLIC HEALTH SERVICE

WASHINGTON

1932 FEB-23- AM 10: 47

February 24, 1932

Surgeon R. R. Sayers,
Bureau of Mines,
Department of Commerce,
Washington, D. C.

Sir:

Receipt is acknowledged of your letter of February 20th, enclosing copies of letters from Dr. A. J. Lanza and Dr. F. V. Meriwether, regarding the interpretation of X-ray pictures for the Johns-Manville Corporation of employees working at the corporation's plant in New Jersey.

I do not approve of Dr. Meriwether's undertaking the interpretation of films in this instance, either with remuneration or without, since this work appears to be only for the benefit of one company and can not be considered as research work.

I believe, too, that the undertaking of such work would be unfortunate from the standpoint of the Public Health Service as the results obtained might be introduced as evidence in court, or the officer who made the interpretations might be subpoenaed as a witness.

Respectfully,

H. S. Cumming
Surgeon General

RRS.

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COPY

JOHNS-MANVILLE CORPORATION
292 Madison Ave.,
New York, N. Y.

February 26, 1932.

Dr. F. V. Meriwether,
Surgeon in Charge, Bureau of Mines,
Cooperative Clinic,
Picher, Oklahoma.

Dear Sir:

Dr. A. J. Lanza of the Metropolitan Life Insurance Company has advised us that he would seek the favor of your services in the reading and interpreting of X-ray films which will be made in connection with the physical examinations of the employees of Johns-Manville Corporation at its Manville, New Jersey Plant.

We have not heard further from Dr. Lanza, but have received a copy of your letter of February 16th to Dr. E.E. Fellowes in which you request that a fairly hard type of film be used in taking the X-rays and we assume, therefore, that you have seen fit to undertake this work.

We would be pleased, however, to have you communicate directly with us and advise us of your acceptance of the assignment and we would like to be further advised if the fee of $200.00 tentatively suggested by Dr. Lanza for making these readings will be satisfactory to you.

I do not know whether Dr. Lanza informed you of the facts, but we have had several suits brought against us by former employees alleging pulmonary disorders induced by dusty conditions at the Factory. There is a possibility that other suits may be instituted by the same attorney who represents the plaintiffs in the pending suits. Such being the case, you will readily appreciate that we desire the results of your readings to be held in strictest confidence and that no unnecessary publicity be given to the fact that you are making these readings for us. We are making an honest effort to ascertain just what the conditions are among our employees and intend to use all reasonable efforts to improve the health of our employees and the conditions under which they work, but we wish, if possible, to prevent the results of our efforts being used against us either in the pending suits or in any suits which may be brought against us.

I am advised that the first set of plates will be sent you during the early days of March.

Yours very truly,
(Signed) S. A. WILLIAMS
Vice-President.

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February 27, 1932.

Dr. F. V. Meriwether,
U. S. Bureau of Mines,
Picher, Okla.

Dear Dr. Meriwether:

The Bureau of Mines has been requested to carry on a study at [redacted], Wisconsin. I am asking Dr. Russell to do this and have requested him to visit the Picher Clinic and discuss the various phases of silicosis with you in order that any differences of opinion may be eliminated, should there be any. I very much doubt that there will be any difference of opinion between Dr. Russell and you regarding silicosis.

Dr. Russell will probably arrive a few days before Dr. Lanza and I and I am very sure that he will appreciate any suggestions that you may have. I would also suggest that you obtain such information as he may have available on the subject due to his experience in talc and granite. He will be very glad to learn what he can on the technic of operating an X-ray machine. It probably will be well to give him the privilege of making a few X-rays.

Yours sincerely,

R. R. SAYERS
Chief Surgeon, U.S.B.of M.
Surgeon, U.S.P.H.S.

74984

Dust study

M371

[redacted]

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March 1, 1932.

Mr. S. A. Williams, Vice-Pres.,
Johns-Manville Corporation,
292 Madison Avenue,
New York, N. Y.

Dear Sir:

I have your letter of February 26 with reference to my reading the X-ray films made in connection with the physical examination of employees of the Johns-Manville Corporation at its Manville, New Jersey Plant. The letter which I received from Dr. Lanza on this matter was forwarded to the Chief Surgeon of the Bureau of Mines at Washington, D.C.,(Dr. R.R. Sayers), for his approval, and if such approval is obtained I can undertake the work. I would, therefore, suggest that no films be sent to me until such consent is obtained.

I will notify Dr. Lanza upon receipt of Dr. Sayers' decision.

Yours respectfully,

F. V. Meriwether

F. V. Meriwether,
Surgeon in Charge.

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UNITED STATES DEPARTMENT OF COMMERCE

BUREAU OF MINES
WASHINGTON, D.C.

BUREAU OF MINES CO-OPERATIVE CLINIC

1932 MAR - 3 - PM 12:05

PICHER, OKLAHOMA
March 1, 1932.

Dr. R. R. Sayers,
Chief Surgeon,
Bureau of Mines,
Washington, D. C.

Dear Dr. Sayers:

I am enclosing copy of a letter from the Johns-Manville Corporation and a copy of my reply to it.

Yours respectfully,

F. V. Meriwether
F. V. Meriwether,
Surgeon in Charge.

RRS

R

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Metropolitan Life Insurance Company

Frederick H. Ecker, President

A. J. LANZA, M.D.
ASSISTANT MEDICAL DIRECTOR

New York City

March 24, 1932

Personal

Dr. F. V. Merriweather
United States Bureau of Mines Clinic
Picher, Oklahoma

Dear Doctor Merriweather:

On Tuesday Doctor Thompson, Doctor Sayers, and I had an interview with the Surgeon-General, and upon explaining the situation to him he was thoroughly agreeable to having you read the Johns Manville X-ray films. I so informed Mr. Vandiveer Brown, the General Counsel, yesterday and he is going to start shipping the films to you. To make the record straight, Mr. Brown will write a letter to the Surgeon-General, on receipt of which the Surgeon-General will write another letter to Doctor Sayers and everything will be in order.

With best regards,

Sincerely,

A. J. Lanza

Assistant Medical Director

Confidential is our officially best I have in mind and will do what I can to protect you interest

L

REPRODUCED AT THE NATIONAL ARCHIVES

Johns-Manville

MANVILLE, NEW JERSEY

March 25th, 1932.

Dr. F. V. Meriwether,
Surgeon in Charge, Bureau of Mines,
Cooperative Clinic,
Picher, Oklahoma.

Dear Sir:

There is being sent you via express prepaid a case containing 330 X-Ray films for reading and interpretation. These films have been sent you at the request of Dr. Lanza of the Metropolitan Life Insurance Company.

You will find attached to each film a card bearing a number corresponding to the number appearing on the film, and we would be pleased to have you write your findings on this card, and after this has been done, return the cards and films marked for the attention of the writer via express collect. Attached hereto, you will find a list of the numbers appearing on the X-Rays, which you may use in checking.

Facts in connection with these films are explained in letter of February 26th, 1932 written to you by our Mr. S. A. Williams, Vice President.

We expect to have approximately 600 films when examinations are completed, and the shipment just sent you is the first installment. Our program calls for the taking of about 100 films per week, and we will send you weekly installments until the survey is finished.

Would appreciate your kindly advising us when we may expect the return of these 330 films.

Yours very truly,

JOHNS-MANVILLE CORPORATION.

A. MacD. Hughes, Mgr.,
Personnel Department.

AH:CIW
encl.

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X-RAY NUMBERS.

166
110
328
760
1331
120
331
563
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Johns-Manville

MANVILLE, NEW JERSEY

March 25th, 1932.

Dr. F. V. Meriwether,
Surgeon in Charge, Bureau of Mines,
Cooperative Clinic,
Picher, Oklahoma.

Dear Sir:

There is being sent you via express prepaid a case containing 330 X-Ray films for reading and interpretation. These films have been sent you at the request of Dr. Lanza of the Metropolitan Life Insurance Company.

You will find attached to each film a card bearing a number corresponding to the number appearing on the film, and we would be pleased to have you write your findings on this card, and after this has been done, return the cards and films marked for the attention of the writer via express collect. Attached hereto, you will find a list of the numbers appearing on the X-Rays, which you may use in checking.

Facts in connection with these films are explained in letter of February 26th, 1932 written to you by our Mr. S. A. Williams, Vice President.

We expect to have approximately 600 films when examinations are completed, and the shipment just sent you is the first installment. Our program calls for the taking of about 100 films per week, and we will send you weekly installments until the survey is finished.

Would appreciate your kindly advising us when we may expect the return of these 330 films.

Yours very truly,

JOHNS-MANVILLE CORPORATION.

A. MacD. Hughes, Mgr.,
Personnel Department.

AH:CIW
encl.

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X-RAY NUMBERS.

166
110
328
760
1331
120
331
563
646
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REPRODUCED AT THE NATIONAL ARCHIVES

REPRODUCED AT THE NATIONAL ARCHIVES

April 1, 1932.

Dr. A. J. Lanza,
General Motors Bldg.,
Detroit, Michigan.

Dear Dr. Lanza:

During my absence at Amarillo, the 330 Johns-Manville pictures came in, as well as your letter saying that the Surgeon General had given his consent to my reading these pictures.

I am now reading these pictures, and as soon as I receive permission direct from the Surgeon General, I shall forward my report to the Johns-Manville Company. I am very interested in seeing how the X-ray readings will check with the fluoroscope readings.

With best regards, I am

Yours respectfully,

F. V. Meriwether,
Surgeon in Charge.

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(COPY)

April 1, 1932

Mr. A. Hughes,
C/o Johns-Manville,
Manville, N. J.

Dear Sir:

We are in receipt of a box of 550 X-ray films from your organization and also a communication from Dr. Lanza stating that permission from the Surgeon-General to read these films has been granted.

As soon as permission is received direct from the Surgeon-General I will read and return these films to you in accordance with your directions.

Yours respectfully,

F. V. MERRIWETHER
Surgeon in Charge

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Johns-Manville
292 MADISON AVENUE
NEW YORK CITY

April 4, 1932

Dr. A. J. Lanza, Medical Consultant,
General Motors Corporation,
Detroit, Michigan.

Dear Dr. Lanza:

I am enclosing herewith a copy of a letter which Mr. Hughes has received from Dr. Meriwether under date of April 1, 1932 and from which you will note on this date Dr. Meriwether had not yet received permission from the Surgeon-General to read the films.

The letter suggested by you was sent to the Surgeon-General on March 23rd over the signature of Mr. Voorhees. I suppose in a matter of this sort we must expect a certain amount of bureaucratic delay. We hope, however, that the notice to Dr. Meriwether that he may do this extra work will not be unduly delayed and it occurred to me that you might possibly be able to speed up the machinery by a letter addressed to one of your good friends in the Surgeon-General's Department.

I greatly enjoyed seeing you on your recent visit to the City and we are all very grateful to you for your very valuable assistance.

Sincerely yours,

Vandiver Brown

Vandiver Brown
Attorney

VB:T
Enclosure

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GENERAL MOTORS CORPORATION

DETROIT, MICHIGAN

April 6, 1932.

Gmc/4/11/32/K.A.S

Dr. R. R. Sayers, Chief Surgeon,
U. S. Bureau of Mines,
Washington, D.C.

~~CHIEF SURGEON~~

Dear Doctor Sayers:

Attached is correspondence received today from Mr. Brown of the Johns-Manville Corporation. Can you help things along?

Sincerely,

A. J. Lanza, M.D.
Medical Consultant.

KKB

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W'

R. R. Sayers
Chief Surgeon
Washington, D. C.
April 11, 1932.

Dr. F. V. Meriwether,
U. S. Bureau of Mines,
Pi[illegible], Okla.

SATISFACTORY TO PUBLIC HEALTH SERVICE YOU MAKE INTERPRETATION

XRAY NEGATIVES ACCORDING LANDIS SUGGESTION

SAYERS

R

[illegible].

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April 11, 1932. RRS/S JL

Dr. F. V. Meriwether,
U. S. Bureau of Mines,
Pioher, Okla.

Dear Dr. Meriwether:

Dr. Lanza, Dr. Thompson, and I called on the Surgeon General in regard to you reading the X-ray negatives for comparison with fluoroscopic interpretation of the same individuals. Dr. Lanza was to write a letter to the Surgeon General stating the conditions. As I understand it, this letter has been sent and received. The Surgeon General, Dr. Thompson, and I thought it would be entirely proper for you to read the negatives for the investigative purpose, it being understood that the interpretations made by you were for scientific purposes only, the negatives being identified by number and not by the individual.

Dr. Thompson advised me this morning that you should proceed to make the interpretations for the above purpose.

Yours very truly,

R. R. SAYERS
Chief Surgeon, U.S.B.of M.
Surgeon, U.S.P.H.S.

cc - Dr. Lanza.
Files ✓

R
RRS

REPRODUCED AT THE NATIONAL ARCHIVES

April 19, 1932.

Mr. A. MacD. Hughes, Mgr.,
Personnel Department,
Johns-Manville Corp.,
Manville, New Jersey.

Dear Sir:

Upon receipt of orders from the Surgeon General, I completed the reading of 330 X-ray pictures sent me by your company on March 25. As requested by you, I wrote the findings on the small card attached to each film, and I am returning the films to you today as shipped.

In accordance with readings, I find that 212 of the pictures were essentially negative. A number of these men had far more thickening than normal with considerable mottling, but I did not regard this as being sufficient to diagnose as asbestosis. However, it is my opinion that in a number of instances these men will develop asbestosis in a relatively short time. This applies to all cards marked "decidedly more fibrosis than normal", of which there were 9, one of which had suspected tuberculosis. From a purely technical point of view these cases are essentially negative at the present time.

According to readings, 89 had first degree asbestosis, 14 had second stage asbestosis, and one had third stage asbestosis. There were three cases of asbestosis with suspected tuberculosis, two in first degree asbestosis and one in third degree asbestosis. There was one film that was questionable but suggested asbestosis 1 (picture was thin).

This was an especially good lot of films; the technic used was excellent. There were one or two cases, as noted on the cards attached to the films, that would be very interesting to follow up to see if they do not have some sporilli infection of the lungs. If it is convenient, I would appreciate learning the findings on these latter cases.

Upon receipt of the balance of the films, I will be in position to expedite the return of findings to you.

Yours respectfully,

F. V. Meriwether,
Surgeon in Charge,
U. S. Bu. of Mines,
P.A. Surgeon, U.S.P.H.S.

CC - Dr. Lanza
Dr. Fellows

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UNITED STATES DEPARTMENT OF COMMERCE

BUREAU OF MINES CO-OPERATIVE CLINIC

PICHER, OKLAHOMA

April 19, 1932.

JOHN - MANSVILLE X-RAY DIAGNOSIS.

(Total x-rays 330.)

Decidedly more fibrosis than normal, bordering on Asbestosis 1	8
Decidedly more fibrosis than normal with suspected T.B.	1
Asbestosis 1(Beginning)	57
Asbestosis 1	25
Asbestosis 1 with suspected T. B	2
Late Asbestosis 1	4
Late Asbestosis 1 with inflammatory process in left base	1
Some asbestosis with Tubercular or Apirrilli Abscess	1
Late Asbestosis 1, bordering on Asbestosis 2.	2
Early Asbestsis 2.	9
Late Asbestosis 2.	4
Late Asbestosis 2 with probable basal pleurisy	1
Beginning Asbestosis 3	1
Beginning Asbestosis 3 with suspected T. B.	1
Questionable, but suggest Asbestosis 1	1
Total	118

5 boxes	contained	40	x-ray pictures --	200
2 "	"	43	" " --	86
1 Box	"	44	" " --	44
			Total	330
				118
				212--Essentially negative x-rays.

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REPRODUCED AT THE NATIONAL ARCHIVES

Johns-Manville

MANVILLE. NEW JERSEY

April 19th, 1932.

Dr. F. V. Meriwether,
Surgeon in Charge, Bureau of Mines,
Cooperative Clinic,
Picher, Oklahoma.

Dear Sir:

Supplementing my letter to you of March 25th and your reply of April 1st, I understand from Dr. Lanza that you now have official permission to read the films, which we shipped you.

We have approximately 400 more films ready for shipment, and would appreciate an expression from you as to just how you desire to have these films sent you in the future; that is, the size of the allotments.

Yours very truly,

JOHNS-MANVILLE CORPORATION.

A. MacD. Hughes, Mgr.,
Personnel Dept.

AH:CIW

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REPRODUCED AT THE NATIONAL ARCHIVES

April 22, 1932.

Mr. A. MacD. Hughes, Mgr.,
Personnel Department,
Johns-Manville Corp.,
Manville, New Jersey.

Dear Sir:

In answer to your letter of April 19, wish to say that we returned the 330 films to you as shipped on April 19, together with a letter summarizing the findings of the X-ray readings.

You may ship the remainder of the films at your convenience in any size allotments suitable to you.

Yours respectfully,

F. V. Meriwether,
Surgeon in Charge,
U. S. Bureau of Mines,
P. A. Surgeon, USPHS.

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REPRODUCED AT THE NATIONAL ARCHIVES

Johns-Manville

MANVILLE, NEW JERSEY

April 26th, 1932.

Dr. F. V. Meriwether,
Surgeon in Charge, Bureau of Mines,
Cooperative Clinic,
Picher, Oklahoma.

Dear Sir:

This will acknowledge receipt of your letter of April 19th, also box containing 330 films which were received yesterday. We note in your findings on positive cases, you use the term "Asbestosis". Unfortunately, we did not tell you the complete story as to the past history of the employees, whose pictures you interpreted. The greater majority of these cases have their past history complicated by other dust occupations, principally coal mining.

The box of films which we are sending you today by express prepaid, containing 464 films, has on the reverse side of each card the past history of the employee. If the past history is insignificant, there is no notation on the reverse side of the card. We hope that this additional information will help you in your interpretations, and possibly may aid you in trying to find some difference between Asbestosis and the other forms of Pneumoconiosis. We are attaching hereto a list of these 464 films being shipped today, which you may use for checking.

In our examinations at the plant of fluoroscopy, etc., Dr. Sabatelle has been calling cases with no significant past history "Asbestosis", and cases with a history of previous dust occupations have been called "Pneumoconiosis", because of the impossibility of deciding where the dust infection occurred. This has been done because passing an opinion of Asbestosis on a patient who previously worked in dust brings up a medical legal problem before us. For this reason, we would like to have something similar to this in your opinions. Unfortunately, you have already completed the first 330 films. We feel that the same should be done with those. We can either return the cards alone, with the past history on the back, or if you wish and it is necessary, we can again return the films.

We also note on the X-Ray cards that you did not sign them. In order that these records may be of any value to us, it is felt the signature of the interpretor should be on the findings. Possibly, you did not sign these cards for a good reason, but we would appreciate an expression from you in this regard.

Very truly yours,

JOHNS-MANVILLE CORPORATION,

A. MacD. Hughes

A. MacD. Hughes, Personnel Mgr.

AH:CIW

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X-RAY NUMBERS.

423	1105	292	727	1363	722	1435
0299	1293	445	690	1681	720	785
820	1131	294	28	1688	1761	1410
361	1308	422	1253	35	1407	1691
125	549	154	767	164	1718	611
1348	553	1183	529	73	173	615
348	1141	1473	21	1077	172	1264
123	1230	18	692	191	84	1558
2006	1725	1638	773	169	952	1122
372	1672	1150	696	1349	431	1145
207	1161	1254	514	1483	1321	1328
671	682	1292	1470	230	305	459
750	1178	1138	40	1707	1262	2028
220	506	1149	48	1464	1500	1326
0314	683	289	1504	82	1273	1260
805	670	2022	1471	1994	392	1160
240	494	2033	572	1703	1153	790
243	684	291	142	1692	1324	1478
527	138	313	2039	1436	1565	774
1868	1108	298	1272	1594	1111	1486
1870	60	266	186	129	344	1472
2029	65	252	1303	1475	1332	948
246	310	1999	2083	1592	433	1736
1858	148	418	741	1460	400	738
253	1135	26	1320	1406	404	530
1863	306	339	796	1461	152	495
255	24	140	151	1402	1258	1705
277	1089	1256	428	1408	411	1481
143	58	0255	1306	547	1405	1853
1982	269	7	1257	1466	737	743
598	1896	1244	182	376	1593	1090
2000	857	32	419	1078	629	1219
368	2047	1252	1007	1083	1114	2097
395	810	337	168	1598	734	1512
385	432	541	338	1715	723	771
286	402	661	1610	1596	1120	1589
405	424	686	426	480	1207	1494
1991	282	761	797	1409	1641	1209
483	287	1080	325	1206	415	1449
526	156	1639	748	1711	758	1094
1228	160	688	604	1552	724	786
1096	165	816	163	625	421	482
0165	510	0141	14	1204	762	1419
20	626	730	605	957	1158	475
1231	512	783	777	1979	436	739
1615	136	765	170	1752	1170	1633
502	69	1093	697	1469	1590	1216
1734	71	78	718	1053	1208	1079
664	487	1288	674	1210	1539	1740
513	101	609	698	1066	1159	507
665	2048	1203	27	1726	619	1680
1129	2044	1760	1311	485	1213	2040
667	2037	1220	327	1217	451	2015
673	2003	603	190	1476	1167	1275
1468	285	1173	181	456	1484	976
				1606		

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X-RAY NUMBERS.

1649	1336
1212	575
751	1485
1261	1599
1701	1766
1327	522
1215	1587
1268	1571
1295	623
1139	764
491	766
1263	472
1154	745
956	1669
460	1403
1291	600
1567	1620
1854	1502
1102	276
486	317
1404	87
1127	1493
1335	
1855	
1337	
1274	
1667	
1416	
503	
1245	
1482	
1414	
1034	
913	
1010	
1619	
1266	
1446	
1569	
1584	
1444	
511	
538	
631	
1265	
617	
1716	
455	
1487	
1583	
622	
1613	
1003	
1765	
461	
1553	

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UNITED STATES DEPARTMENT OF COMMERCE

BUREAU OF MINES CO-OPERATIVE CLINIC

PICHER, OKLAHOMA

April 19, 1932.

JOHN - MANSVILLE X-RAY DIAGNOSIS.

(Total x-rays 330.)

Decidedly more fibrosis than normal, bordering on Asbestosis 1	8
Decidedly more fibrosis than normal with suspected T.B.	1
Asbestosis 1(Beginning)	57
Asbestosis 1	25
Asbestosis 1 with suspected T. B.	2
Late Asbestosis 1	4
Late Asbestosis 1 with inflammatory process in left base	1
Some asbestosis with Tubercular or Apirrilli Abscess	1
Late Asbestosis 1, bordering on Asbestosis 2.	2
Early Asbestsis 2.	9
Late Asbestosis 2.	4
Late Asbestosis 2 with probable basal pleurisy	1
Beginning Asbestosis 3	1
Beginning Asbestosis 3 with suspected T. B.	1
Questionable, but suggest Asbestosis 1	1
Total	118

5 boxes contained	40 x-ray pictures	--	200
2 " "	43 " "	--	86
1 Box "	44 " "	--	44
	Total		330
			118
			212--Essentially negative x-rays.

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REPRODUCED AT THE NATIONAL ARCHIVES

May 2, 1932.

Mr. A. MacD. Hughes,
Personnel Manager,
Johns-Manville Corp.,
Manville, New Jersey.

Dear Sir:

In reply to your letter of April 26, the term "Asbestosis" was used as indicating fibrosis, and does not refer to the type of fibrosis or pneumoconiosis present. In reading these pictures, it was thought that some should have been termed definite silicosis with some asbestosis, and some were regarded possibly as anthracosis or bituminosis. I recall one case which I pointed out to the younger officers as a typical coal picture, but inasmuch as it was included in this study of an asbestosis condition, it was regarded as asbestosis.

If I had known at the time I was reading the pictures that you desired some information on the character of the dust or fibrosis, I would have been glad to have made a notation of this on the cards. If you care to return the films, I will undertake to read them without the histories, and will suggest the type of dust involved, and you can check them against the histories. I would much prefer in making these readings that the pictures themselves be returned, as some of them undoubtedly showed the effect of both dusts, and my opinion would depend upon the dominating changes noted. In regard to the additional pictures you are sending, I will try to conform to the readings of Dr. Sabatelle.

In a number of instances in reading these pictures, I noted that there were inflammatory changes that were not regarded as associated with dust. One case was particularly interesting. It is my opinion that these cases were the result of infection, probably associated with dust, but not directly caused by it. For some time we have been carrying on an investigation into this subject, and for this reason I feel that the history of the physical examination would be of considerable value in arriving at a true diagnosis, particularly if there has been a Wassermann test made. If you have not been making a Wassermann test, I would certainly suggest that this be done in the balance of the examinations. A sputum test should be made whenever obtainable, not only for tuberculosis, which I believe to be absent in most of the cases, but particularly for spirilli and spirochetes.

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I noted a place for signing the cards, but inasmuch as I understood the records were for readings only, and the interpretations were not to be used in any other manner, I decided it would probably be better not to sign them.

Yours respectfully,

F. V. Meriwether,
Surgeon in Charge,
U. S. Bu. of Mines,
P. A. Surgeon, U.S.P.H.S.

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UNITED STATES DEPARTMENT OF COMMERCE

BUREAU OF MINES CO-OPERATIVE CLINIC

PICHER, OKLAHOMA

May 31, 1932.

Second Group X-rays
for
John-Manville Co.,
Total pictures 464. (10 Boxes)

Negative	152
More fibrosis than normal	166
More " " " bordering on Pneumoconiosis 1	3
Decidedly M. F. " " with old Pleurisy	1
Beginning Pneumonoconiosis 1	24
Pneumonoconiosis 1	33
Late Pneumonoconiosis 1	6
Pneumonoconiosis 1 with suspected T B.	4
" 1 " Old Pleurisy & Suspected T'B.	1
" 1 " curvature	1
Beginning Pneumonoconiosis 2	7
Pneumonoconiosis 2	2
Beginning Pneumonoconiosis 3	1
Pneumonoconiosis 3	1
Beginning Asbestosis 1	23
" " 1 with suspected T. B.	1
Asbestosis 1	29
Sound tissue of lungs show some evidence of Asbestosis 1	1
Diagnosis not determined	1
Condition due to infection	1
Suggest Bituminosis 1	1
Probably mildly active T.B.	1
Milliary Calcicosis	2
Suspected T.B.	1
	464



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UNITED STATES DEPARTMENT OF COMMERCE

BUREAU OF MINES CO-OPERATIVE CLINIC

PICHER, OKLAHOMA

June 7, 1932.
---- Third Group----
John-Manville Co. X-rays
(8 boxes) Total pictures-346.

Negative	125
More fibrosis than normal	45
Decidedly more fibrosis than normal	90
Slightly more fibrosis than normal	13
Decidedly more fibrosis t an normal, bordering on Asbestosis 1	3
Decidedly more fibrosis than normal, bordering on Pneumonoconiosis 1	6
Beginning Silicosis 1	2
Silicosis 1	1
Late Silicosis 1 becoming Silicosis 2	1
Beginning Pneumonoconiosis 1	8
Pneumonoconiosis 1	16
Late Pneumonoconiosis 1	5
Beginning Pneumonoconiosis 2	2
Pneumonoconiosis 2	2
Beginning Pneumonoconiosis 3	2
Beginning Asbestosis 1	8
Asbestosis 1	5
Late Asbestosis 1	0
Suspected T.B.	3
Early Suspected T.B.	1
Old Healed T.B.	2
Pneumonoconiosis 2 with suspected T.B.	1
Pneumonoconiosis 1 with suspected T.B:	1
Acute inflammatory condition	1
Milliary Calcicosis	2
Believed to be fibrotic T.B. -diag. should be made from Phy. exam. and Laboratory find.	1
	346



UNITED STATES DEPARTMENT OF COMMERCE

BUREAU OF MINES CO-OPERATIVE CLINIC

PICHER, OKLAHOMA

June 7, 1932.
--- Third Group---
John-Manville Co. X-rays
(8 boxes) Total pictures-346.

Negative	125
More fibrosis than normal	45
Decidedly more fibrosis than normal	90
Slightly more fibrosis than normal	13
Decidedly more fibrosis t an normal, bordering on Asbestosis 1	3
Decidedly more fibrosis than normal, bordering on Pneumonoconiosis 1	6
Beginning Silicosis 1	2
Silicosis 1	1
Late Silicosis 1 becoming Silicosis 2	1
Beginning Pneumonoconiosis 1	8
Pneumonoconiosis 1	16
Late Pneumonoconiosis 1	5
Beginning Pneumonoconiosis 2	2
Pneumonoconiosis 2	2
Beginning Pneumonoconiosis 3	2
Beginning Asbestosis 1	8
Asbestosis 1	5
Late Asbestosis 1	0
Suspected T.B.	3
Early Suspected T.B.	1
Old Healed T.B.	2
Pneumonoconiosis 2 with suspected T.B.	1
Pneumonoconiosis 1 with suspected T.B:	1
Acute inflammatory condition	1
Milliary Calcicosis	2
Believed to be fibrotic T.B. -diag. should be made from Phy. exam. and Laboratory find.	1
	346

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