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Asbestos and Mesothelioma

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Why is Asbestos so dangerous? No “Onion” Properties

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- Can’t SEE it
- Can’t SMELL it
- Can’t FEEL it
- Can’t TASTE it
- Doesn’t IRRITATE eyes, nose or throat

WHAT DISEASES DOES ASBESTOS CAUSE?

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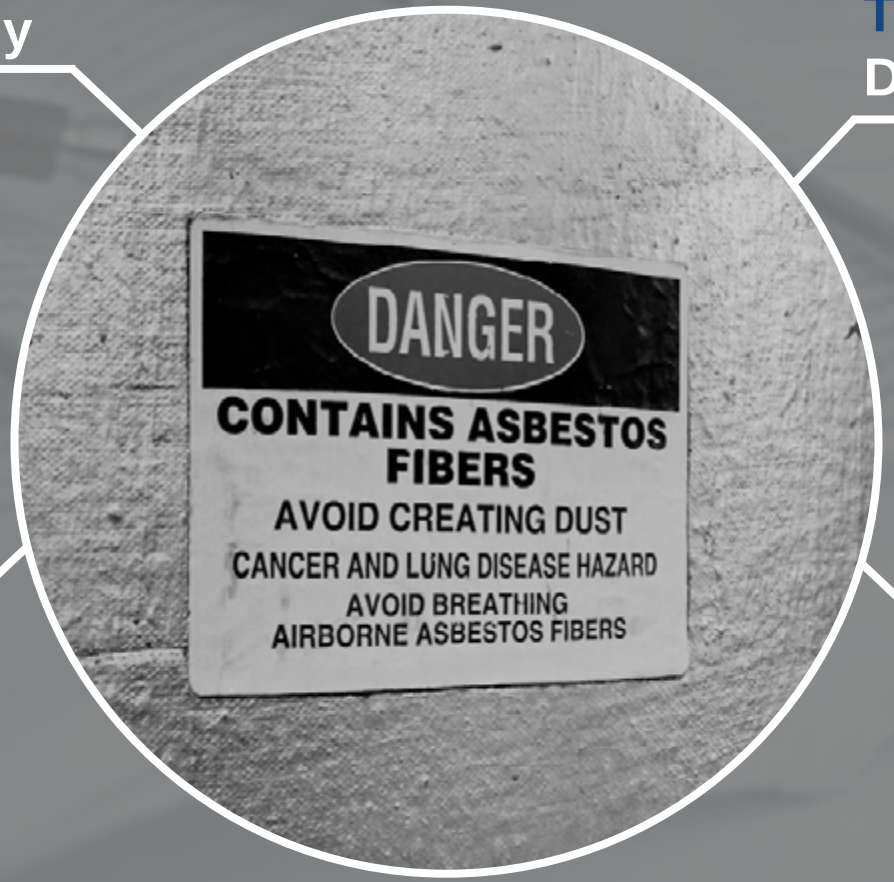
MESOTHELIOMA

Diagnosed with a biopsy – in VERY rare cases, with cytology

ASBESTOSIS

Diagnosed with a B-Read (a CT scan read by a specially trained doctor)



PLEURAL PLAQUES/ THICKENING

Diagnosed with a CT scan

LUNG CANCER

Diagnosed with a biopsy

DISEASES NOT CAUSED BY ASBESTOS:

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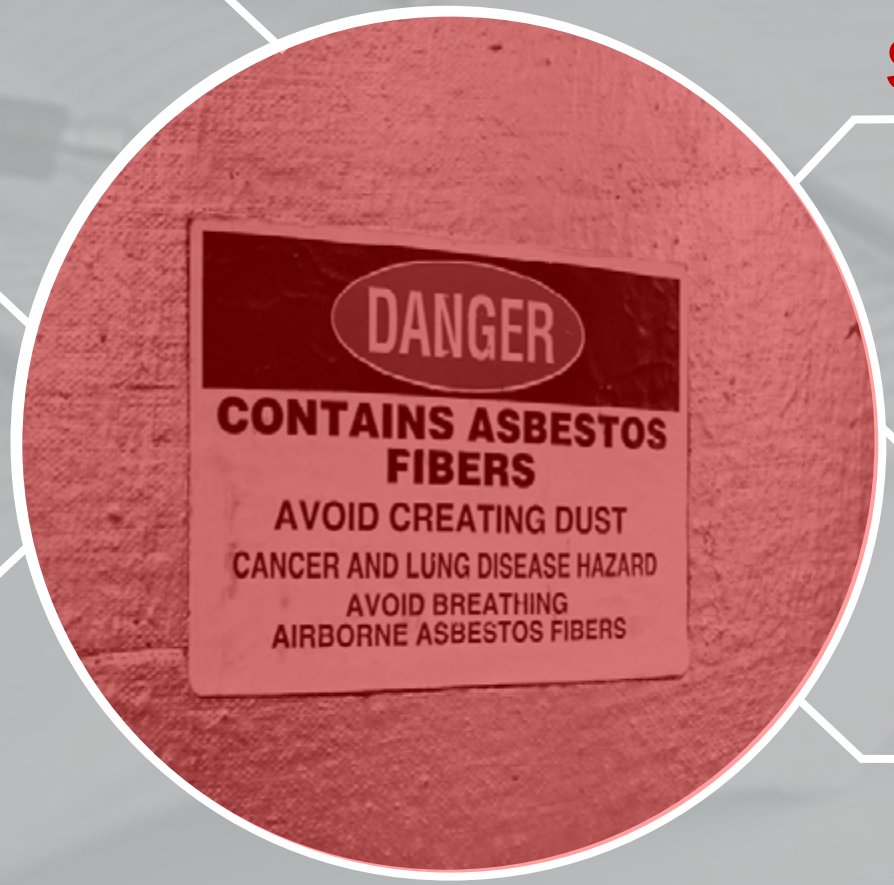
COPD

MELANOMA

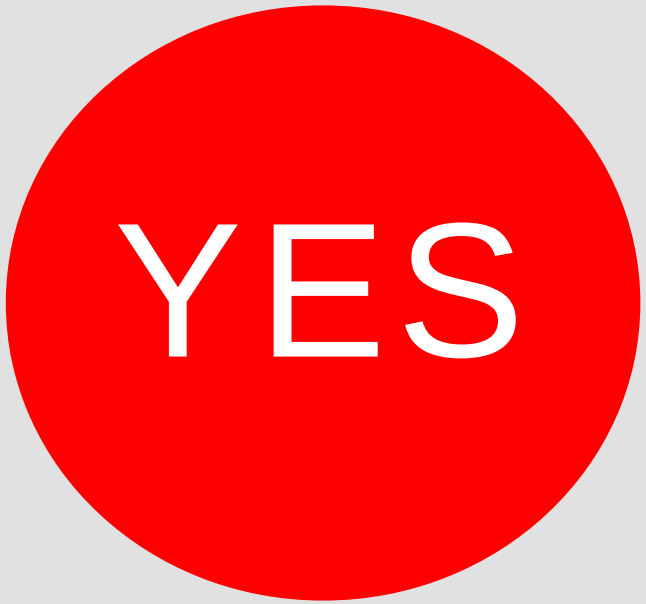
EMPHYSEMA



SILICOSIS

ASTHMA

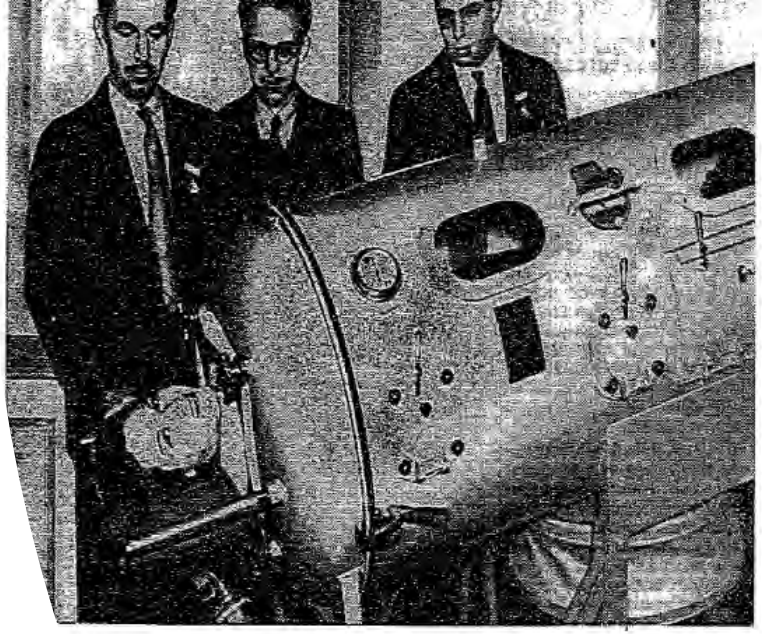
SARCOIDOSIS



DID ANYONE REALLY KNOW ASBESTOS WAS HARMFUL?

1936 New York Times

Asbestos lung disease a topic at national doctors meeting



Times Wide World.

Model of an iron lung was one of the exhibits at the American Medical Association meeting in ... Variations in air pressure inside the tube induce artificial respiration. Thus persons suffering from paralysis of the lung muscles are enabled to breathe.

...KAEMPFFERT

...Medical Asso-
...Kansas City
... its fifteen
...some 300
...Their
...more
...than
...en

thoroughly tested before a final decision can be reached.

The discovery seems one of the most promising made in years. But why should not the statistician aid in settling its validity with the aid of a grant from some foundation? It would be his business to determine the mortality from cancer among those who have been inoculated with typhoid. Every army can furnish the names of thousands of discharged soldiers who have been vaccinated. The statistical ...terial is rich enough.

... there is the progress made ...n and hormone research—... done by masters of ex... who studied medicine ... something about ..., but who are ...e engaged ...ld. The ...many ...e

The image of the finish had to be projected not later than three minutes after the film had been exposed. Within a four-minute period after the race the paper enlargement had to be in the hands of the judges.

There were other problems upon which it is unnecessary to expand here. All were solved by feeding the film from the camera into a so-called dry tank—merely an empty container. From this the film passes successively to developing and fixing tanks. It is impossible to run the film directly from the camera into the developing tank because of the speed. From the dry tank the film can be taken at just the rate required for development.

A caustic developer at 85 degrees Fahrenheit brings out the image in

Failures Are Reported—Maps of Glass

not increase their height by eating the right food. The various growth rates observed in men and animals "merely represent in large measure the best growth that is possible under the particular dietary conditions prevailing." This is borne out by the food that people must eat under some conditions. When, for example, the calories are reduced, the skeleton nevertheless may grow to full size. The reason is that the inadequate food contains the necessary calcium, which always makes bone. Probably the aged look of children in the slums may thus be explained.

Nutritive Index Set Up

Growth is a three-dimensional process. Accordingly, Dr. Cowgill has set up a nutritive index to determine whether it is proceeding normally or not. Without such a nutritive index the physical anthropologists cannot be sure what he is measuring.

In these days of glands we ask whether all the effects noted by Dr. Cowgill may not be explained in terms of the thyroid and pituitary bodies. But this begs the question. There is a definite relationship between thyroid activity, for example, and the supply of iodine. In other words, iodine is one of the dietary essentials. So with the pituitary gland. There is still much to learn about it, but what little is known makes it clear that its growth and therefore that of the animal to which it belongs is affected by diet. Here is a new field for some one to explore.

* * *

GLASS WEATHER MAPS

They Are Three-Dimensional Models of the Atmosphere.

TO forecast the weather, the modern meteorologist studies a cross-section of the atmosphere from the ground to the highest elevation that can be practically attained. Temperatures, barometric pressures and wind velocities are measured at different heights in various ways. Sounding balloons

the atmosphere at 2,000 feet; the next the level at 4,000; the topmost or eighth pane the level at 16,000 feet. With fast-drying inks of different colors contour lines are drawn that tell the story of the conditions that prevail at different levels.

Look down through the glass panes—a light that shines up through the bottom makes that easy—and you have a graphic synopsis of the air up to an altitude of 16,000 feet.

"Airplane pilots in particular can learn to read more readily from the mapping frame than from the ordinary surface map or cross-section," says Mr. Zellon. They see at a glance the best flying levels for cross-country flight.

At this season of the year it is particularly important to avoid thunderstorms. But this involves keen analyses of the winds aloft, lapse rates (changes in temperature with elevation) and humidities and the relation of all these to one another. The three-dimensional glass atmosphere simplifies the study.

Mr. Zellon himself calls this editor's attention to the fact that, unbeknown to him, Professor A. McAdie of the Weather Bureau devised a similar three-dimensional map thirty years ago. The army, too, has been using three-dimensional topographical maps.

* * *

WHY DO WE SLEEP?

One Hundred and Seventy-four Students Cannot Agree.

TWO recent articles in scientific magazines cite 174 papers which undertake to explain sleep. Why do our eyes close so that we forget this world? The 174 authors cannot agree on an answer. To Dr. John H. Welsh of Harvard's biological laboratories the reason is to be found in the impossible conditions that must be observed.

Find the man who will permit himself to be closed in a dark room for weeks at a time; permit his diet to be rigorously regulated; allow a continuous record of blood pressure, heart rate and body temperature to be taken; permit frequent blood analyses to be made, excretions to be analyzed; submit to injections of hormones and drugs; and finally the removal, one by one, of his endocrine glands and a few parts of his nervous system—and we may then know why we sleep.

Hope lies in the lower animals.



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