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Subject: Asbestos and Other Mineral Fibers: A Roadmap for Scientific Research, NIOSH Docket Number NIOSH-099

Attachments: COMMENTS AND SUGGESTIONS Final Complete.doc

To whom it may concern:

I am pleased to submit the attached comments and suggestions regarding the NIOSH Roadmap for asbestos (Docket No. NIOSH-099). If you have any questions about any of the attached, please do not hesitate to contact me.

Regards,

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COMMENTS AND SUGGESTIONS ON THE NIOSH ROAD MAP (Docket No. NIOSH-099)

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The following are general comments and suggestions concerning the draft NIOSH Roadmap (Middendorf et al. 2007). These are offered to facilitate focusing of the proposed research effort to better address gaps in knowledge concerning asbestos-related risks, their association with exposure, and the methods employed to characterize such exposures so that existing policies and regulations can be refined to more effectively and efficiently protect worker health. The comments and suggestions are divided into categories that respectively address:

- terminology;
- the literature review;
- potential misconceptions; and
- the proposed research.

Terminology

Adequate conceptualization and resolution of asbestos-related issues are as much a problem of terminology as anything else. So that such issues can be adequately addressed, it is important both: (1) to establish a set of terms that is sufficiently diverse and robust to allow full discussion of all of the important aspects of each issue and (2) to concisely define each term to promote consistency in usage. Based on these criteria, it appears that the glossary of terms presented in the Roadmap (although concise) is too restrictive to support full exploration of the issues at hand. For example, it fails to acknowledge the need to generalize certain terms (such as "fiber") so that it can be used in all of the various senses for which each term is needed (mineralogical, biological, analytical, commercial) and for which each term is actually used in the Roadmap text. Moreover, given the need to define dimensional ranges for fibers that adequately predict biological activity and the fact that the dimensional range defined in the Roadmap may not (for example, Berman et al. 1995 a and b), I suggest adoption of an alternative glossary incorporating definitions along the lines of that provided in Attachment 1. Note that various, concise dimensional ranges for fibers are defined as a series of exposure metrics in the attached glossary, while the term fiber itself is left as general.

About the Literature Review

I am concerned about the literature review provided in the Roadmap as it may not be sufficient to serve as a departure point for initiating a robust research program. The review in the Roadmap appears to be focused primarily on documenting existing policy positions taken by NIOSH to support their asbestos exposure-limit recommendations. In contrast, what is needed to support design of an efficient research program is a thorough review and reconciliation of the literature that concisely describes the state of knowledge and highlights areas where critical knowledge gaps exist. It is just such knowledge gaps that should be the focus of any proposed research. Thus, I suggest that, before defining future research needs, the literature review itself needs to be refined and expanded.

Moreover, designing a research effort primarily to support existing policy positions may unnecessarily bias the effort. This puts the cart before the horse. Policies should be developed based on the best, current scientific knowledge. Science should not be manipulated to fit existing policies.

To illustrate the above, consider the "thoracic hypothesis." While it may ultimately prove helpful to incorporate this hypothesis as part of the basis of policy, it is certainly premature to do so. As is demonstrated below, when determining exposure, arbitrarily including counts of a greater range of structures than those that are formally shown to contribute to biological activity is not automatically health protective. Yet the thoracic hypothesis may potentially encourage just such an "over count". Thus, it is the scientific merit of the hypothesis that should be explored as part of research, rather than incorporating the hypothesis as a starting assumption that serves only to limit and focus research going forward. Limiting research in this manner, among other things, would hinder the ability to test whether the thoracic hypothesis is indeed health protective.

Similarly, it appears that there is a bias built into the Roadmap toward continued reliance on the PCM metric (as defined by NIOSH 7400, NIOSH 1994a) for assessing exposure and risk without due consideration of the adequacy of the metric for this particular application. I believe that the statement on P. 15 of 47 of the Roadmap that

> "The fiber counting rules used in PCM analysis of air samples results in an index of exposure which has been correlated with existing human health data and risk assessments."

may be misleading. Moreover, no studies are cited to support this statement.

It is true that acceptable exposure-response relationships have been established using this metric in *single* environments (such as many of the individual epidemiological studies that have been published). However, it must be remembered that the purpose to which this metric is being applied by NIOSH is to extrapolate *across* exposure

environments (i.e. from research environments including the published epidemiological studies and animal toxicity studies to unstudied environments in which workers are being exposed) so that risks can be predicted.

In single environments, the characteristics of the dusts to which individuals are exposed tend to be highly correlated and exposures among studied cohort members tend to be highly confounded. The former is true because dusts in these environments tend to be generated from reproducible activities involving the handling of selected materials exhibiting highly similar characteristics. Indeed, except for studies of mines and mills, the characteristics of the raw materials used in the various factories studied by epidemiologists generally had to satisfy narrowly defined specifications.

Exposures in these single environments were also confounded because workers in these environments tended to spend at least part of their employment working at each of the work stations around the factory. It is a rare among the published epidemiology studies where a sub-cohort could be identified in which workers spent their employment exclusively in a single room of the factory doing a single job.

Given the above, it is not surprising that almost any metric of dust exposure (including PCM) could be correlated with risk. Indeed, as the attached Table 1 shows, the exposure-response relationships in the vast majority of the epidemiology studies used to establish existing NIOSH policy were first defined using only a very general measure of total particulate concentrations (determined either by midget impinger or by thermal precipitator) and these relationships were only later adapted to PCM through adjustments derived from paired (side-by-side) measurements or cruder procedures (see, for example, Berman and Crump 2003).

In contrast, to reliably apply PCM to link exposure and risk *across* environments requires a demonstration that risks estimated using the PCM metric remain comparable *across* environments. Yet the limited studies available for evaluating this consideration suggest otherwise. For example, in our analysis of the animal inhalation studies (Berman et al. 1995a and b), we found that the PCM metric shows a significant *lack* of fit with tumor incidence. Similarly, our analysis of the human epidemiological data (Berman and Crump 2003) suggests that risk factors based on PCM derived from published epidemiology studies for lung cancer vary by almost two orders of magnitude while those for mesothelioma vary by over three orders of magnitude. Although there may be several explanations for such variation, these findings certainly suggest that the validity of the PCM metric for assessing asbestos exposure needs review. In fact, such concerns have been raised in the literature since at least 1982 (see Walton 1982).

More generally, the set of references cited in the Roadmap suggests only limited review of the rich and varied literature that is currently available to address asbestos-related issues and it is important that the broader literature be fully evaluated and mined before attempting to define goals and objectives for future research. To assist in this regard, a list of a much broader set of potentially relevant citations is provided (Attachment 2).

Even this list may not necessarily be comprehensive (and is especially sparse in the newest studies because it was largely compiled prior to 2003). However, it should provide a solid starting point for completing the kind of literature review that is needed to support the setting of a research agenda in this area.

The reference list in the Roadmap also highlights several potentially serious omissions that need to be rectified before the summary presented in the Roadmap should be used to identify data gaps and the outstanding controversies that remain to be addressed through new research. For example, one such omission involves epidemiology.

The discussion of epidemiological evidence within the Roadmap focuses on studies addressing only three environments (the talc mine in New York, the South Carolina Textile Mill, and the vermiculite mine in Libby, Montana). Yet the literature includes studies of more than 20 relevant environments. To assist with better evaluating and addressing the full range of relevant environments, a more complete list of relevant epidemiology studies is provided (Attachment 3). Importantly, even the attached list is not necessarily comprehensive and should likely be supplemented.

I would also like to suggest that, while adequately reviewing the entire breadth of the existing literature is necessary to provide a basis for efficiently defining future research goals, a simple review is not alone sufficient. What is needed is to reconcile the existing literature. Thus, for example, it is not sufficient simply to acknowledge what may appear to be opposing view points on particular issues within the literature. Rather, science advances when what otherwise appear to be contradicting studies can be reconciled by identifying the underlying source of the apparent discrepancy and then showing agreement once that source is addressed.

Much (but not yet all) of the asbestos literature can in fact be reconciled. To illustrate, many examples of successful reconciliation can be found in the 400+ page review that I completed with my colleague, Dr. Kenny Crump (Berman and Crump 2003). To cite just two: I found that what appeared to be contradictory estimates of solubility and dissolution rates reported for various types of fibers can in fact be reconciled by taking into account the conditions under which studies of these factors are conducted. Thus, solubilities and dissolution rates increase toward their theoretical maxima in those papers in which study designs, respectively, maximize the volume of fluid into which material is dissolving and the rate at which the fluid surrounding the surface of the dissolving fibers is refreshed.

Similarly, I was able to show in our review that the old and new studies of chrysotile fiber accumulation in lung tissue are in fact consistent (despite older studies suggesting that chrysotile reaches a plateau while newer studies do not). The differences in the apparent findings of such studies are due to the differences in the capabilities of the analytical methods employed to track lung tissue concentrations.

It should also be noted (as another example of the sparsity of the literature review included in the Roadmap) that the peer consultation report from the 2003 workshop is cited, but not the original report that was being reviewed or its partial revision in response to suggestions for improving transparency (Berman and Crump 2001, 2003). Web links are provided to obtain copies of both of these versions of our report.

Another important consideration that is critical to the reconciliation of the literature is the need to properly distinguish formal findings from a published study and any opinion or speculation that is also offered by study authors. When reconciling the literature, opinions and speculation should not be treated in the same manner as formal findings. To illustrate, although the opinion by Soderholm (1989) that "....all fibers deemed to be in the thoracic size fraction ... (e.g. capable of depositing in the bronchoalveolar regions) warrant concern" is paraphrased in Section 1.2.1.3 of the Roadmap, this is very different from any formal *demonstration* that all fibers in the indicated range in fact have been shown to contribute to human disease. Moreover, whether all such fibers should be considered to be equally potent is clearly an open question. Given (as illustrated below) that arbitrarily including a greater range of structures in the determination of concentration (than those most strongly associated with biological activity) may not automatically be health protective, simply accepting such opinions as fact (absent more formal analysis) may not be helpful in shaping effective policy or regulation.

As another, and perhaps more obvious, illustration of the need to differentiate between formal findings and speculation is the suggestion that Pan et al. (2005) can in any way inform on the nature of structures that contribute to disease. This paper presents no exposure information whatsoever and the simple presence of a material at a location where disease is observed in no way demonstrates cause and effect. In fact, the Pan et al. paper is at least one step further removed from providing a link between particular hazardous materials and disease, as it does not even demonstrate the presence of any particular material; it only alleges such a presence through inference.

Potential Misconceptions

At least some of the recommendations of the Roadmap appear to be based on common misconceptions that, if not addressed, may hinder the efficient design of future research efforts. These misconceptions potentially include:

- that arbitrarily including a greater range of structure sizes and types in counts to determine exposure concentrations is automatically health protective;

- that efficient evaluation of the effects of structure size and type requires creation of samples of "pure" sizes or types;

- that animal and cell-culture studies will be more informative of human exposure-response than better characterizing the historical human exposures in existing studies; and

- that one can reasonably evaluate the effects of fiber size and type based on data from a single study environment.

Regarding the last of the above, the ability to distinguish among effects caused by structures of varied sizes and or types in epidemiological studies of single environments is extremely limited. This is because concentrations of structures in the various size and type categories tend to be highly correlated and/or the exposures experienced by cohort members are highly confounded. The reasons for such correlation and confounding were previously described (see above). Thus, the best way to evaluate the effects of size and type is to analyze variations in exposure-response *across* environments. In this regard, it should also be noted that negative studies may be as important as positive studies for investigating the effects size and type.

The first of the above-listed misconceptions can be illustrated by considering the nature of the risk assessment process and the attendant consequences of observing varying concentrations of specific structures in environments of interest. The attached Figure 1 presents a schematic of the risk assessment process.

As can be seen in Figure 1, the risk assessment process can essentially be divided into two complimentary components: toxicological assessment and exposure assessment. Toxicological assessment is portrayed on the left side of the figure and involves *research* studies in which the incidence of disease in a studied population is observed, recorded, and is mathematically related to the associated exposure, which is also monitored. The result is to derive a mathematical expression relating exposure and response, which usually includes some type of factor indicating the potency of the hazardous material (i.e. the unit response anticipated per unit of exposure).

In an exposure assessment, depicted on the right side of Figure 1, exposure is characterized (typically by some combination of measurement and modeling) in a *study* environment for which the threat of disease needs to be determined. The estimated exposure is then combined with the potency factor derived from the toxicological assessment to predict the risk of future disease in the study environment.

The attached Figure 2 is a modified version of Figure 1 in which effects of using different exposure metrics on risk estimation is illustrated. Suppose that two candidate exposure metrics M1 and M2 are each being considered for assessing risk. In this case, it is further assumed that M1 is a subset of the structures included in the M2 metric so that (in the same environment) the concentration of M2 structures must always be greater than or equal to that of M1.

In Figure 2, for simplicity but with no loss of generality, the toxicological assessment is assumed to include only a single epidemiology study. Further, it is assumed in the one epidemiology study that the concentration of M2 is 15 times the concentration of M1 and that the incidence of the disease of interest is D. Because the incidence of disease observed in a cohort is fixed (at a fixed point of time) and independent of exposure metric, the relative potency factors for the M1 and M2 metrics will necessarily vary inversely with their relative contributions to exposure. Thus:

$$\text{Potency Factor } (PF_{M1}) \text{ for M1} = D/M1 = 15D/M2;$$
$$\text{Potency Factor } (PF_{M2}) \text{ for M2} = D/M2$$

Thus, we see that the effect of counting more structures in a research environment is to make the exposure-response coefficient (the potency factor) *smaller* by dividing the observed incidence of disease over a larger number of structures. Another way to say this is that counting using an exposure metric that includes a greater number of structures will make the slope of the exposure-response curve shallower because one is dividing a fixed incidence of disease among a greater number of structures.

To judge the effect on risk assessment, consider applying each of the two potency factors derived above, respectively, for M1 and M2 to study environments in which one wishes to predict disease. Importantly, because these environments are isolated from the original research environment used to derive the potency factors and exposure conditions in these new study environments are entirely independent, the exposure concentrations of M1 and M2 can vary independently in each environment (both in absolute terms from the concentrations observed in the original research environment and relative to each other). Thus, three example study environments are presented on the right side of Figure 2 (in which the ratio of concentrations of M1 and M2 is assumed to vary from 1 to 100 with M2 always greater). The consequence is that the ratio of the risks estimated in each of these environments derived, respectively, using M1 and M2 varies from 15 to 0.16.

Note that risk in this case is estimated simply as the product of the potency factor for a particular metric and the estimated exposure concentration for that same metric. Thus, for example:

$$Risk_{M1} = PF_{M1} \times C_{M1}$$

The above clearly illustrates that arbitrarily including a greater number of structures in the determination of exposure concentrations does not assure greater health protectiveness. Although M1 is a subset of the structures counted in M2, if we assume that M1 better represents the set of biologically active structures, than use of M2 under-estimates risk in Environment 1 where $Risk_{M1}/Risk_{M2} = 15$ (see Figure 2).

Table 2 provides data further indicating a real-world comparison of the effect of two exposure metrics for asbestos (although in this case, one is not directly a subset of the

other). Table 2 provides ratios for the risk estimated using the protocol structure metric recommended in Berman and Crump 2001 to the risk estimated using the PCME metric (i.e. concentrations derived using NIOSH Method 7402, NIOSH 1994b). Note that risk is estimated for the PCME metric by applying the EPA slope factor (IRIS Current) to the estimated exposure concentrations of that metric.

In Table 2, ratios are provided for environments studied in a set of government-lead projects in which adequate data were available to support estimation of the risk ratio. These results are consistent with more general observations that indicate the two metrics provide approximately equal estimates of risk in environments in which exposure is composed almost exclusively of chrysotile, but the protocol structure metric provides substantially higher estimates of risk in environments where exposure is to true asbestiform amphibole. In contrast, the sole exception to these observations (for the complete range of studies that I am aware of) is the study in El Dorado County recently completed by the U.S. EPA (Ladd 2006), which is the site listed as "El Dorado" in the table. This is the only site I know of at which the PCM metric provides a substantially greater estimate of risk when the primary exposure is to amphiboles.

It has been postulated that the reason the ratio of risks is reversed for the El Dorado site may be that the vast majority of amphibole structures are cleavage fragments at the locations studied (although this is certainly not true for El Dorado County as a whole). However, the message for this discussion is simpler.

Taken as a whole, the data in Table 2 show that risks estimated using different exposure metrics do not remain proportional from site to site. Thus, if the goal is to minimize the chance that risks will be underestimated in general, it will be important to identify an exposure metric that reasonably tracks biological activity[1]. Moreover, as previously indicated, arbitrarily including larger numbers of structures in the exposure metric does not guarantee that the metric will be health protective.

One additional consequence of these considerations should also be emphasized. That is that, for risk assessment to remain reliable, it is important not to apply exposure-response coefficients established from a defined set of epidemiological studies to sites in which exposures differ radically in characteristics from those included in the epidemiological studies evaluated. Thus, for example, it may not be appropriate to extrapolate findings from the set of epidemiological studies evaluated to support development of EPA's current slope factor for asbestos (IRIS current) to sites in which exposure primarily involves mixed dusts (i.e. dusts containing true asbestiform fibers along with substantial concentrations of cleavage fragments from the breakage of non-asbestiform analogs). This is because the epidemiological studies used to develop the

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[1] In fact, it may further prove necessary to devise separate exposure metrics for separate disease end points (e.g. asbestosis, lung cancer, and mesothelioma), as the effects of size and type may not be strictly identical for each.

slope factor in IRIS almost exclusively involve exposures to milled asbestos (see Table 1 of this report) and most milled asbestos is virtually free of cleavage fragments.

Note that Table 1 is derived from an earlier report that addresses this and related issues in much greater detail (see Berman 2006).

Given the above, the most health protective course of action is to identify an exposure metric that closely tracks (or at least remains reliably proportional to) biological activity for each disease end point of interest, to test and optimize these for each type of mineralogically distinct material of interest (including distinctions in both chemical and crystallographic type), and then to derive a matched exposure-response factor for each disease end point paired with each mineralogical and crystallographic type using the optimized metric while incorporating conservative statistical procedures that adequately control for uncertainty.

To illustrate the problem with the second of the above misconceptions, consider an study in which a linear model is assumed for evaluating toxicity in a series of animal experiments. It is further assumed for this model that there is an interest in distinguishing among contributions from four categories of structures. Thus, one way to set up the linear model would be as follows:

$$P_i = 1 - \exp[Q - B\Sigma_j(A_j X_{ij})] \qquad (1)$$

where:

- P_i is the probability of observing a tumor in an animal in the ith study;
- Q is the term representing the background probability of tumors in control animals;
- B is the term representing the absolute potency of the particular type of asbestos studied. If multiple types are studied, than different values of B could be employed for each kth type of asbestos;
- A_j is the relative potency of the jth size category of structures; and
- X_{ij} is the concentration of structures in the jth size category in the ith study.

Table 3 provides a set of five equations with data from five experiments, which could be solved to provide unique values for each of the five unknowns of interest (B, and the four A_j's). Thus, as long as one has access to samples containing five broadly varying characteristics (i.e. with a broad range of relative concentrations of the four size categories of interest), by conducting an animal study (or epidemiology study) on each such material, it would be possible to obtain sufficient information to uniquely determine the relative potency of each size category.

In contrast, the experiments could also be conducted on samples of "pure" materials. In this case, the same set of equations would apply, except that all but one of the summed terms would drop out of each equation representing each experiment; note

that the remaining term for the equation from each experiment differs. This arrangement is also depicted on the bottom of Table 3.

It should be apparent from Table 3 that, in the absence of error, the experiments conducted on the pure materials provide no additional information than the experiments conducted on the mixed materials. Thus, no advantage to produce such materials is apparent. In fact, there may be a disadvantage in that producing pure materials requires that one guess at the appropriate dimensional constraints for each category in advance of conducting the experiments. Thus, if one guesses wrong, the value of at least some of the experiments would be diminished. In contrast, as long as one spends sufficient effort to adequately characterize the mixed exposures, a database is created from the set of experiments that allows for evaluation of varying sets of categories.

Of course, things are more complicated due to the variation and uncertainty necessarily introduced from various factors in these kinds of experiments. The effects of such variation and uncertainty can typically be addressed by conducting a greater number of experiments over a greater range of conditions than the minimum strictly required to solve the set of simultaneous equations to be employed for analysis. Importantly, both these problems and their solutions apply equally whether the experiments are conducted on pure or mixed materials. Thus, once again, no clear advantage to use of pure materials emerges.

Regarding the third of the above-listed misconceptions, it must be remembered that effects observed in animal studies and cell-cultures need to be correlated against human disease end points of interest before they can be considered to be informative of human disease, even in a qualitative sense. Moreover, if the desire is to use results of such studies to predict the incidence of human disease as a function of exposure, then many complex considerations will need to be validated to address such things as the differences in physiology between the target animals (or cells) and humans and the differences in exposure conditions between the experiments and life situations of interest. This is especially true if there is ultimately an interest in attempting to use animal or cell responses as screening tools for human exposure and risk.

In contrast, human epidemiological studies provide the most direct and expedient information on human exposure-response. Moreover, such studies will be needed in any case to validate the linking of animal and cell studies to human disease end points, especially for any proposed screening procedures. Thus, given the above, the necessarily central role of human epidemiological studies means that greater emphasis needs to be placed on resolving the limitations of these studies (such as to better characterize the historical exposures relevant to these studies) than the emphasis placed on any complimentary animal or cell-culture studies.

Recommendations for Focusing Future Research

In addition to all of the above, I suggest that the following be considered when designing a research program to fill data gaps and increase our knowledge base for asbestos:

- transmission electron microscopy (TEM) has been shown capable of visualizing and resolving all asbestos structures (including the thinnest structures). Therefore, research on asbestos can move forward using TEM (so that asbestos concentrations can be fully characterized in a manner suitable for evaluating the full range of theories concerning the effects of size and shape). At the same time, it will be important to develop less expensive alternatives, especially if it proves necessary to characterize the longest and/or thinnest structures as part of an exposure metric that tracks biological activity. Less expensive alternatives will ultimately be needed for routine analyses as part of any generalized scheme of monitoring to protect worker health;

- with only rare exceptions (potentially including the latest work on the re-characterization of exposures associated with the South Carolina cohort of textile workers – Kuempel et al. 2006), the existing epidemiology studies do not include data suitable for evaluating the effects of structure size and type. Data suitable for this purpose generally need to be developed from other sources (such as de novo analyses of air filters or bulk material from studied environments);

- once data become available to adequately re-characterize historical exposures from a sufficient number of environments that have been studied by epidemiologists, a meta-analysis of such epidemiological studies will likely prove to be the best approach for evaluating the effects of fiber size and type so that improved exposure metrics for asbestos can be developed. Until such data become available, however, it is unlikely that this approach can substantially improve upon the studies of this type that have already been completed (for example, see Berman and Crump 2003); and

- it is important to recognize that the adequacy of the PCM metric and the need to distinguish asbestiform fibers from cleavage fragments are confounded issues (depending on the dimensional constraints ultimately defined for one or more optimized exposure metrics, the need to distinguish asbestiform fibers from cleavage fragments may become unimportant).

With these additional points in mind, I suggest that the plan for research proposed in Roadmap might be refocused to better address needs as follows:

- place greater emphasis on human (epidemiological) studies and, especially, an effort to improve characterization of the associated, historical exposures;

- use TEM for research while developing less expensive alternatives to support routine analysis under an improved monitoring regime for health protection. Importantly, the search for alternatives to TEM will ultimately require knowledge of the optimized exposure metrics that are needed to adequately predict asbestos-related risks so that research to identify and optimize appropriate exposure metrics will need to be completed before selection and optimization of analytical alternatives can be finalized;

- include studies to automate TEM analysis as a potential means of reducing TEM analytical costs; and

- with regard to supporting our understanding of exposure-response relationships for asbestos, the quest for "pure" samples (containing only a narrow range of structure sizes of specific types) should probably be de-emphasized. Importantly, this is obviously a separate issue from the need for "pure" samples (in terms of the type of a material) to be used as standards for "calibration," quality control, and performance testing.

REFERENCES

Berman, D.W. *Evaluation of the Approach Recently Proposed for Assessing Asbestos-Related Risk In El Dorado County, California.* Prepared at the request of the National Stone, Sand, and Gravel Association. Recorded on Docket No. EPA-HQ-ORD-2003-0016-0076. June 30, 2006.

Berman, D.W. *Analysis and Interpretation of Measurements for the Determination of Asbestos in Core Samples Collected at the Southdown Quarry in Sparta, New Jersey.* Prepared for the U.S. Environmental Protection Agency, Region 2 and the New Jersey Department of Environmental Protection. November 12, 2003. **http://www.state.nj.us/dep/dsr/sparta/Core%20final%20report.pdf**

Berman, D.W. and Crump, K.S. *Final Draft: Technical Support Document for a Protocol to Assess Asbestos-Related Risk.* Prepared for Mark Follensbee, Syracuse Research Corporation, Syracuse, New York and the Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, Washington, D.C. 2003. Limited revision draft. **http://www.aeolusinc.com/Protocol_TBD_2003.pdf**

Berman, D.W. and Crump, K.S.; *Technical Support Document for a Protocol to Assess Asbestos-Related Risk.* Prepared for Mark Raney, Volpe Center, U.S. Department of Transportation, 55 Broadway, Kendall Square, Cambridge, MA 02142. 2001. Peer-reviewed draft. **http://www.aeolusinc.com/Protocol_TBD_2001.pdf**

Berman, DW; Crump, KS; Chatfield, EJ; Davis, JMG; Jones, AD; "The Sizes, Shapes, and Mineralogy of Asbestos Structures that Induce Lung Tumors or Mesothelioma in

AF/HAN Rats Following Inhalation." Risk Analysis. Vol. 15, No. 2, pp. 181-195. 1995a.

Berman, DW; Crump, KS; Chatfield, EJ; Davis, JMG; Jones, AD; "The Sizes, Shapes, and Mineralogy of Asbestos Structures that Induce Lung Tumors or Mesothelioma in AF/HAN Rats Following Inhalation." Errata. Risk Analysis. Vol. 15, No. 4, pp. 541. 1995b.

Berry G; Newhouse ML. Mortality of Workers Manufacturing Friction Materials Using Asbestos. *British Journal of Industrial Medicine*. 40:1–7. 1983.

Dement JM; Harris RL; Symons MJ; Shy CM. Exposures and Mortality Among Chrysotile Workers. Part I: Exposure Estimates. *American Journal of Industrial Medicine*. 4:399–419. 1983a.

Dement JM; Harris RL; Symons MJ; Shy CM. Exposures and Mortality Among Chrysotile Workers. Part II: Mortality. *American Journal of Industrial Medicine*. 4:421–433. 1983b.

Finkelstein MM. Mortality Among Long-Term Employees of an Ontario Asbestos-Cement Factory. *British Journal of Industrial Medicine*. 40:138–144. 1983.
Henderson VL; Enterline PE. Asbestos Exposure: Factors Associated with Excess Cancer and Respiratory Disease Mortality. *Annals New York Academy of Sciences*. 330:117–126. 1979.

Henderson VL; Enterline PE. Asbestos Exposure: Factors Associated with Excess Cancer and Respiratory Disease Mortality. *Annals New York Academy of Sciences*. 330:117–126. 1979.

ICF Technology, *Evaluation of Risks Posed by Residents of Diamond XX Who Are Exposed to Airborne Asbestos Derived from Serpentine Covered Roadways. Final.* Prepared for: The U.S. Environmental Protection Agency, Region 9. June 9, 1994.

Integrated Risk Information System (IRIS). Toxicological Review of Asbestos. U.S. Environmental Protection Agency. Office of Research and Development, National Center for Environmental Assessment. Washington, D.C. http://www.epa.gov/iris/subst/0371.htm. Current.

International Organization for Standardization. *Ambient Air-Determination of asbestos fibers - Direct-transfer transmission electron microscopy method.* ISO 10312. 1995.

Kuempel, ED; Stayner, LT; Dement, JD; Gilbert, SJ; and Hein, MJ; Fiber size-specific exposure estimates and updated mortality analysis of chrysotile asbestos textile workers. NIOSH. *Toxicologist* 90(1):71 Mar. 2006. http://www2a.cdc.gov/nioshtic-

2/BuildQyr.asp?s1=South+Carolina&c2=1&f1=%2A&Startyear=&EndYear=&Limit=10000&sort=&D1=10&s2=Asbestos&terms=2&Adv=1&f2=%2A&t1=0&PageNo=1&RecNo=1&View=f&

Ladd, K (Ecology and Environment, Inc.). *El Dorado Hills Naturally Occurring Asbestos Multimedia Exposure Assessment El Dorado Hills, California: Preliminary Assessment and Site Inspection Report, Interim Final.* Prepared for The U.S. Environmental Protection Agency, Region 9 under Contract No. 68-W-01-012, Work Assign. No. 001275.0440.01. May, 2005.

McDonald JC; Gibbs GW; Liddell FDK. Chrysotile Fibre Concentration and Lung Cancer Mortality: A Preliminary Report. In *Biological Effects of Mineral Fibres*. Wagner JC (ed). IARC Scientific Publications. pp. 811–817. 1980a.

McDonald JC; Liddell FDK; Gibbs GW; Eyssen GE; McDonald AD. Dust Exposure and Mortality in Chrysotile Mining, 1910–1975. *British Journal of Industrial Medicine*. 37:11–24. 1980b.

McDonald AD; Fry JS; Wooley AJ; McDonald JC. Dust Exposure and Mortality in an American Chrysotile Textile Plant. *British Journal of Industrial Medicine*. 39:361–367. 1983a.

McDonald AD; Fry JS; Woolley AJ; McDonald JC. Dust Exposure and Mortality in an American Factory Using Chrysotile, Amosite, and Crocidolite in Mainly Textile Manufacture. *British Journal of Industrial Medicine*. 40:368–374. 1983b.

McDonald AD; Fry JS; Woolley AJ; McDonald JC. Dust Exposure and Mortality in an American Chrysotile Asbestos Friction Products Plant. *British Journal of Industrial Medicine*. 41:151–157. 1984.

Middendorf, P; Zumwalde, R.; and Castellan, R. *Draft: Asbestos and Other Mineral Fibers: A Roadmap for Scientific Research.* NIOSH, Cincinnati, Ohio, U.S.A. 2007.

Nicholson WJ; Selikoff IJ; Seidman H; Lilis R; Formby P. Long-Term Mortality Experience of Chrysotile Miners and Millers in Thetford Mines, Quebec. *Annals New York Academy of Sciences*. 330:11–21. 1979.

National Institute for Occupational Safety and Health (NIOSH). *Method for Determination of Asbestos in Air Using Positive Phase Contrast Microscopy. NIOSH Method 7400.* NIOSH, Cincinnati, Ohio, U.S.A. 1985. Current revision: 1994a.

National Institute for Occupational Safety and Health (NIOSH). *Method for Determination of Asbestos in Air Using Transmission Electron Microscopy. NIOSH Method 7402.* NIOSH, Cincinnati, Ohio, U.S.A. 1986. Current Revision: 1994b.

Pan, X; Day, H; Wang, W; Beckett, L; Schenker, M. Residential Proximity to Naturally Occurring Asbestos and Mesothelioma Risk in California. *Am J Respir Crit Care Med* 172:1019-1025. 2005.

Peto J. Lung Cancer Mortality in Relation to Measured Dust Levels in an Asbestos Textile Factory. In *Biological Effects of Mineral Fibres*. Wagner JC (ed.). IARC Scientific Publications. pp. 829–836. 1980a.

Peto J. The Incidence of Pleural Mesothelioma in Chrysotile Asbestos Textile Workers. In *Biological Effects of Mineral Fibres*. Wagner JC (ed.). IARC Scientific Publications. pp. 703–711. 1980b.

Peto J; Seidman H; Selikoff IJ. Mesothelioma Mortality in Asbestos Workers: Implications for Models of Carcinogenesis and Risk Assessment. *British Journal of Cancer*. 45:124–135. 1982.

Seidman H; Selikoff IJ; Hammond EC. Short-Term Asbestos Work Exposure and Long-Term Observation. *Annals New York Academy of Sciences*. 330:61–89. 1979.

Seidman H. Short-Term Asbestos Work Exposure and Long-Term Observation -- July 1984 Update. Department of Epidemiology, American Cancer Society. 1984.

Selikoff IJ; Hammond EC; Seidman H. Mortality Experience of Insulation Workers in the United States and Canada 1943–1976. *Annals New York Academy of Sciences*. 330:91–116. 1979.

Soderholm, SC. Proposed International Conventions for Particle Size-selective Sampling. *Ann Occup Hyg* 33:301-320. 1989.

U.S. Environmental Protection Agency. *Libby Asbestos Site Residential/Commercial Cleanup Action Level and Clearance Criteria. Technical Memorandum. Draft Final.* U.S. Environmental Protection Agency, Region 8. December 15, 2003.

Weill H; Hughes J; Waggenspack C. Influence of Dose and Fibre Type on Respiratory Malignancy Risk in Asbestos Cement Manufacturing. *American Review of Respiratory Disease*. 120:345–354. 1979.

Walton, W.H., "The Nature, Hazards, and Assessment of Occupational Exposure to Airborne Asbestos Dust: A Review." *Annals of Occupational Hygiene* 25(2):117-247. 1982.

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TABLE 1:
CHARACTER OF EXPOSURES IN STUDY ENVIRONMENTS USED TO DEVELOP IRIS SLOPE FACTOR

Fiber Type Operation	Cohort	Exposure Metric[a]	Comments
			All samples contain asbestiform fiber.
Chrysotile			**The indicated samples contain fiber with:**
Mining and Milling	Quebec mines and mills	MI	serpentinite and trace amphibole cleavage fragments[b]
		MI	serpentinite and trace amphibole cleavage fragments[b]
Friction Products	Connecticut plant	MI*	*at most*, small amounts of serpentinite cleavage fragments[c]
Textiles	South Carolina plant	PCM	*at most*, trace serpentinite cleavage fragments
		PCM	*at most*, trace serpentinite cleavage fragments
Amosite			
Insulation Manufacture	Patterson, NJ factory	PCM**	*at most*, trace amphibole cleavage fragments[d]
Mixed			
Friction Products	British factory	PCM	*at most*, trace amphibole cleavage fragments[c,d]
Cement Manufacture	Ontario factory	MI*	*at most*, trace serpentinite and amphibole cleavage fragments[e]
	New Orleans plants	MI	*at most*, trace serpentinite and amphibole cleavage fragments[e]
Factory workers	U.S. retirees	MI*	*at most*, trace serpentinite and amphibole cleavage fragments
Insulation Application	U.S. insulation workers	NS	*at most*, trace serpentinite and amphibole cleavage fragments[d]
Textiles	Pennsylvania plant	MI*	*at most*, trace serpentinite and amphibole cleavage fragments
	Rochedale plant	TP*	*at most*, trace serpentinite and amphibole cleavage fragments

[a] **KEY:**
Symbols in this column indicate the primary metric by which exposure was monitored in the indicated study.
"MI" means midget impinger with a study specific factor applied to convert PCM.
"MI*" means midget impinger with a non-study specific conversion factor.
"PCM" means phase contrast microscopy. "PCM**" means PCM, but with
"PCM**" means PCM, but with measurements determined at a different plant from the one where mortality was monitored.
"TP*" means that the initial measurements were collected by thermal precipitator with a non-study specific conversion factor applied.
"NS" means non-specific; exposures were estimated for the Selikoff et al. (1979) simply as the average concentration reported for the overall insulation industry.

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TABLE 1 (cont.)
CHARACTER OF EXPOSURES IN STUDY ENVIRONMENTS USED TO DEVELOP IRIS SLOPE FACTOR

NOTES:

[b] Although these are the only environments in which serpentinite or amphibole cleavage fragments might be present at greater than very small amounts (due to the presence of the parent rock in which the asbestos is embedded), these studies were excluded from the EPA analysis used to derive the EPA recommended unit risk factor for asbestos.

[c] Although cleavage fragments are potentially present (at most in small amounts) in friction product environments (because the lowest grade asbestos fiber used to manufacture these materials may not have been as well purified as higher grade fiber (Walton 1982), these environments also exhibit among the lowest dose-response factors.

[d] In these environments, it is possible that particles composed of organic materials or other non-serpentinite and non-amphibole inorganic materials may be present (which are distinct from serpentinite or amphibole cleavage fragments). However, it is not clear whether any of these materials have been shown to cause cancer in other environments where asbestos was not used. Certainly, up to this point, EPA has not applied the asbestos regulations to environments where particles of these other materials might be present without asbestos also being present.

[e] In these environments, particles composed of the cementitious binders and fillers used in cement manufacture may be present (which are distinct from serpentinite or amphibole cleavage fragments). However, whether any of these materials have been found to be carcinogenic in other environments in the absence of asbestos is not relevant here. Certainly, up to this point, EPA has not applied the asbestos regulations to environments where these types of cementitious binders and fillers are present without asbestos.

TABLE 1 (cont.)

CHARACTER OF EXPOSURES IN STUDY ENVIRONMENTS USED TO DEVELOP IRIS SLOPE FACTOR

REFERENCES

(1) McDonald et al., (1980)
(2) Nicholson et al., (1979)
(3) McDonald et al., (1984)
(4) Dement et al., (1983)
(5) McDonald et al., (1983a)
(6) Seidman (1984)
(7) Seidman (1979)
(8) Berry and Newhouse (1983)
(9) Finkelstein (1983)
(10) Weill et al., (1979)
(11) Henderson and Enterline (1979)
(12) Selikoff et al., (1979)
(13) Peto et al. (1982)
(14) McDonald et al., (1983b)
(15) Peto (1980)
(16) Peto et al. (1982)

TABLE 2:
COMPARISON OF APPROACHES FOR ESTIMATING ASBESTOS-RELATED RISK AT SELECTED GOVERNMENT-LEAD SITES

Site	Primary Mineral Type	Median Ratio of Estimated Risks: Protocol Strs/PCME	Reference
DiamondXX	Chrysotile	1	ICF Technology 1994
Southdown	Amphbiole Asbestos	50	Berman 2003
Libby	Amphibole Asbestos	7	EPA 2003
El Dorado	Chrysotile and Amphibole	0.04	Ladd 2005

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TABLE 3:
SIMULTANEOUS EQUATIONS USED TO SOLVE FOR RELATIVE POTENCY OF DIFFERENT CATEGORIES OF ASBESTOS STRUCTURES IN A SERIES OF ANIMAL EXPERIMENTS

SIMULTANEOUS EQUATIONS FOR CASE WITH MIXED EXPOSURES

$$P_1 = 1 - \exp[Q - B_i(A_1X_{11} + A_2X_{12} + A_3X_{13} + A_4X_{14})]$$
$$P_2 = 1 - \exp[Q - B_i(A_1X_{21} + A_2X_{22} + A_3X_{23} + A_4X_{24})]$$
$$P_3 = 1 - \exp[Q - B_i(A_1X_{31} + A_2X_{32} + A_3X_{33} + A_4X_{34})]$$
$$P_4 = 1 - \exp[Q - B_i(A_1X_{41} + A_2X_{42} + A_3X_{43} + A_4X_{44})]$$
$$P_5 = 1 - \exp[Q - B_i(A_1X_{51} + A_2X_{52} + A_3X_{53} + A_4X_{54})]$$

INDEPENDENT EQUATIONS FOR CASE WITH "PURE" EXPOSURES

$$P_1 = 1 - \exp[Q - B_i(A_1X_{11})]$$
$$P_2 = 1 - \exp[Q - B_i(A_2X_{22})]$$
$$P_3 = 1 - \exp[Q - B_i(A_3X_{33})]$$
$$P_4 = 1 - \exp[Q - B_i(A_4X_{44})]$$
$$P_5 = 1 - \exp[Q - B_i(A_1X_{51})]$$

Note that for the latter case, all but one of the concentrations (X_{ij}) are zero in each of the individual equations and, except for one repitition, it is a unique X_{ij} that is non-zero in each equation.

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FIGURE 1:
SCHEMATIC REPRESENTATION OF THE RISK ASSESSMENT PROCESS

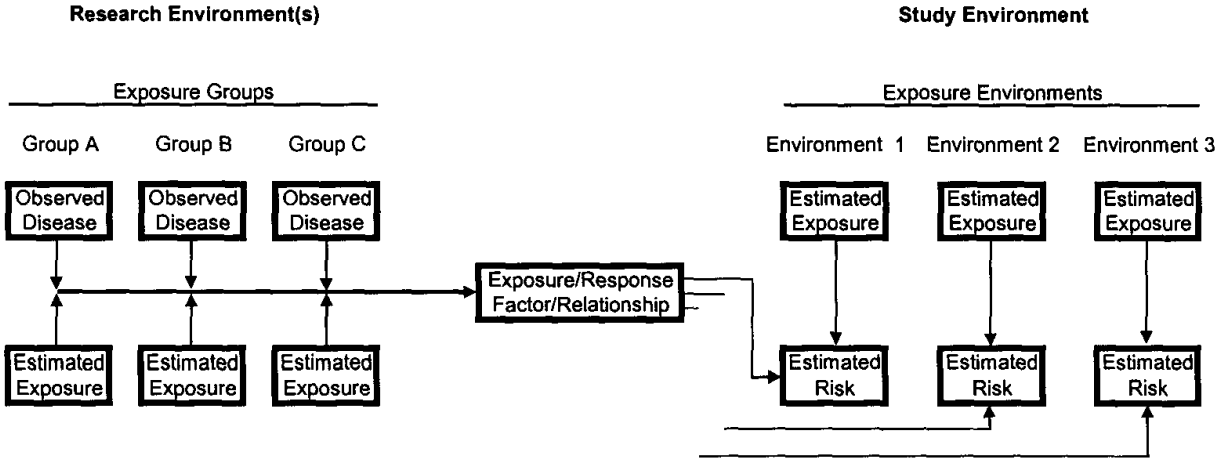

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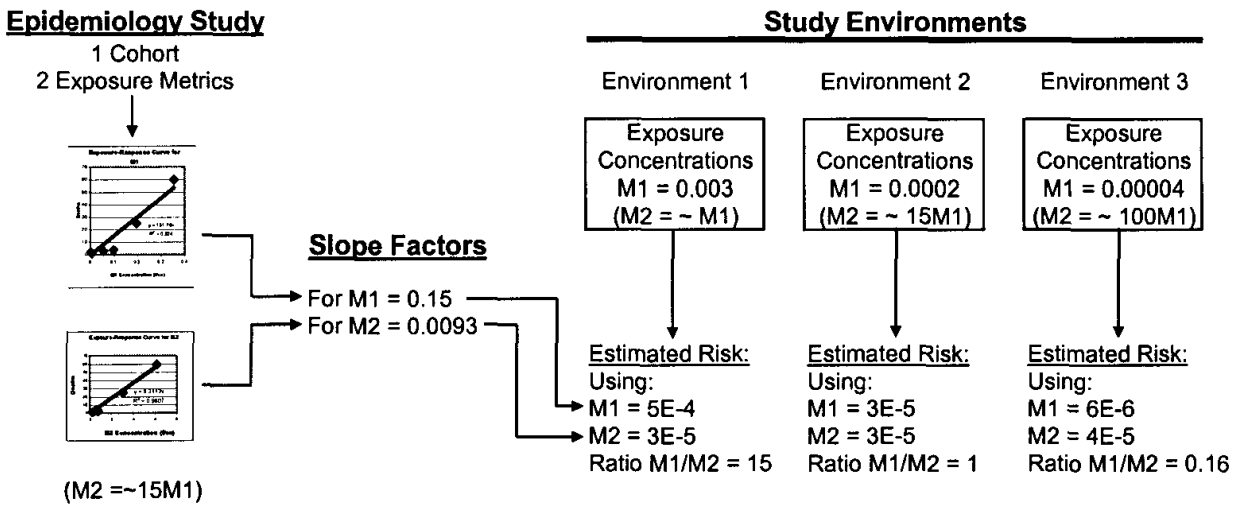
FIGURE 2
SCHEMATIC INDICATING THE EFFECT OF EMPLOYING DIFFERENT EXPOSURE METRICS ON THE MAGNITUDE OF ASSESSED RISK



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ATTACHMENT 1:

PROPOSED GLOSSARY OF TERMS SUITABLE FOR PROMOTING FULL DISCUSSION OF ASBESTOS-RELATED ISSUES

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April 27, 2007

Note that the following glossary is offered as a starting point, but is not necessarily intended to be comprehensive. Additional terms (some of which are included in the Roadmap glossary) will almost certainly need to be developed to express the full range of important concepts relevant to asbestos.

Asbestiform means the particular crystalline habit of a mineral that exhibits the common characteristics of asbestos (e.g. highly fibrous, polyfilamentous – existing in bundles, flexible, high tensile strength, and good chemical and thermal resistance). Geologically, the dimensions of fibers formed in this habit are defined by the growth of the crystals (in contrast to cleavage fragments).

Asbestos Minerals means the suite of serpentinite and amphibole minerals currently included in the definition of asbestos when they occur in *any* of their crystalline habits.

Cleavage Fragment means a structure that is formed by physical separation from a larger crystal. Thus, the dimensions of such a structure are defined by the orientation of the weakest cleavage planes in the parent crystal, which is in contrast to the manner in which dimensions are determined for asbestiform structures.

Exposure Metric means the set of sizes, shapes, and morphological types of structures (e.g. fibers, bundles, clusters, or matrices) that are included in the determination of concentration. Sometimes, a particular exposure metric also includes mineralogical constraints (i.e. only structures identified as specific mineralogical types are included). Therefore, exposure metrics for a particular analysis are defined as a function of both the rules of the specific analytical method applied to determine concentration and the limitations of the particular instrumentation employed during the analysis. To illustrate:

- the *PCM Metric* might be defined as: the set of particles that are longer than 5 μm with a minimum aspect ratio of 3:1 and largely parallel sides as viewed and counted with a phase contrast microscope using the rules of NIOSH Method 7400 (NIOSH 1994). It should also be emphasized for this metric that, due to the limitations of PCM, the structures included in this metric are typically thicker than a minimum width that varies between 0.2 and 0.4 μm, depending on the skill of the microscopist and the condition of his equipment. Note that the metric

should be defined consistently so as either to include or exclude a maximum width. Correspondingly, a "width-limited" version of this metric (perhaps *PCM-WL Metric*) might be separately defined to include only those particles thinner than 3 μm;

- an attendant PCM equivalent Metric (*PCME Metric*) could then be defined as: the set of particles that are longer than 5 μm and thicker than 0.025 μm with a minimum aspect ratio of 3:1 and largely parallel sides as viewed and counted with a transmission electron microscopy using the rules of NIOSH Method 7402. Using this metric, it would also be simple to indicate whether particles satisfying this metric exhibit the chemical properties of specific minerals;

- other exposure metrics can also be defined to satisfy other discussion needs as they arise.

Fiber is a relative term that has come to mean any elongated particle that satisfies specific dimensional constraints. The term is relative because the dimensional constraints placed on the definition of the term fiber are specific to the analytical method/exposure metric by which fiber concentrations are determined for a particular application.

Fibril means a single fiber of asbestos (i.e. from an asbestiform population). Single asbestiform fibers cannot be further reduced in width without altering their properties.

Fibrous is a relative term that is used to denote a material composed primarily of fibers. The term is relative because the term for fiber is relative (see above). Note, for example, a dust composed primarily of elongated particles that nevertheless satisfy the dimensional definitions for fibers from a particular application could therefore be defined as fibrous.

Fibrous structure is a collective term used to mean any fiber, bundle, cluster, or matrix. These latter terms for specific types of structures are concisely defined in ISO (1995).

ATTACHMENT 2:
NEW ASBESTOS REFERENCES
January 28, 2001

Addingley, CF; "Asbestos Dust and its Measurements." *Annals of Occupational Hygiene* 9:73-82. 1966.

Aalto, M; Heppleston, AG; "Fibrogenesis by Mineral Fibres: An In-Vitro Study of the Roles of the Macrophage and Fibre Lenght." Br J Exp Path. Vol. 65, pp. 91-99. 1984.

Acheson, E., Gardner, M.J., "Asbestos: Scientific Basis for Environmental Control of Fibres." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, pp. 737-754, 1980.[(1)(2)(5)]

Acheson, E., Gardner, M., Pippard, E., Grime, L., "Mortality of Two Groups of Women Who Manufactured Gas Masks from Chrysotile and Crocidolite Asbestos: A 40-Year Follow-up." British Journal of Industrial Medicine, Vol. 39, pp. 344-348, 1982.[(1)(2)]

Acheson, E.D., Gardner, M.J., Winter, P.D., Bennett, C., "Cancer in a Factory Using Amosite Asbestos." International Journal of Epidemiology, Vol. 13, No. 1, pp. 3-10, 1984.[(1)(2)]

Adamis, Z., Gimar, M., Koefler, L., Tatrai, E., Ungvary, G., "Biological Effects of the Respirable Dusts from Ore." Environmental Research, Vol. 41, pp. 319-326, 1986.[(2)]

Adamson, IYR; "Early Mesothelial Cell Proliferation After Asbestos Exposure: In Vivo and In Vitro Studies." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1205-1208. September, 1997.

Adamson, I.Y.R., Bowden, D.H., Response of Mouse Lung to Crocidolite Asbestos. 2. Pulmonary Fibrosis After Long Fibres." Journal of Pathology, Vol. 152, pp. 109-117, 1987.[(2)]

Adamson, I.Y.R., Bowden, D.H., Response of Mouse Lung to Crocidolite Asbestos. 1. Minimal Fibrotic Reaction to Short Fibres." Journal of Pathology, Vol. 152, pp. 99-107, 1987.[(2)]

Addison, J; Davies, LST; "Analysis of Amphibole Asbestos in Chrysotile and Other Minerals" Annals of Occupational Hygiene Vol.34, No.2, pp.159-175, 1990.

Addison, J., Davies, L.S.T., Robertson, A., Willey, R.J., "Release of Dispersed Asbestos Fibres from Soils." Institute of Occupational Medicine, Edinburgh, Scotland, Report No. TM/88/14, NTIS PB89-170716, September 1988.[(3)]

Aerospace Medical Research Laboratories (sponsor), "Proceedings of the Conference on Atmospheric Contamination in Confined Spaces, 30 March - 1 April 1965." Aerospace Medical Division, Air Force Systems Command, AMRL-TR-65-230, 1965.[(3)]

Afaz, F; Abidi, P; Matin, R; Rahman, Q; "Activation of Alveolar Macrophages and Peripheral Red Blood Cells in Rats Exposed to Fibers/Particles." Toxicology Letters. (Shannon). Vol. 99, No. 3, pp. 175-182. 1998.

Aisner, J; "Current Approach to Malignant Mesothelioma of the Pleura." Vol. 107, No. 6, pp. 332S-344S. 1995.

Albin, M; Johansson, L; Pooley, FD; Jakobsson, K; Attewell, R; Mitha, R; "Mineral Fibres, Fibrosis, and Asbestos Bodies in Lung Tissue from Deceased Asbestos Cement Workers." Br J Ind Med. (ENGLAND). Vol. 47, No. 11, pp. 767-774. November, 1990.

Albin, M; Jakobsson, K; Attewell, R; Johansson, L; Welinder, H; "Mortality and Cancer Morbidity in Cohorts of Asbestos Cement Workers and Referents." Br J Ind Med. Vol. 79, No. 9, pp. 602-610. September, 1990.

Albin, M., Jakobbson, K., Ranstam, J., Welinder, H., Johansson, L., "Mortality and Cancer Morbidity Among Asbestos Cement Workers." Report, Department of Occupational Medicine, University Hospital in Lund, Sweden. 1985.(2)

Albin, M; Krstev, S; Magnani, C; Rapiti, E; Shefer, I; "Asbestos and Cancer: An Overview of Current Trends in Europe." Environ Health Perspectives. Vol. 107, No. 2, pp. 289-298. May, 1999.

Albin M; Magnani C; Krstev S; Rapiti E; Shefer I. Asbestos and Cancer: An Overview of Current Trends in Europe. *Environmental Health Perspectives.* 107(2):289–298. May. 1999.

Albin, M; Pooley, FD; Stromberg, U; Attewell, R; Mitha, R; Johansson, L; Welinder, H; "Retention Patterns of Asbestos Fibres in Lung Tissue Among Cement Workers." Occup and Environ Med. Vol. 51, pp. 205-211. 1994.

Algetranti, E; Lima, CQB; Vieira, AV; "Asbesto e Carcinoma Broncogenico: Pesquisa de Tres Pacientes Portadores de Carcinoma Broncogenico" Rev.Paul.Med.(Brazil) Vol.107, No.3, pp.133-138, 1989.

Alies-Patin, A.M., Valleron, A.J., "Mortality of Workers in a French Asbestos Cement Factory 1940-82." British Journal of Industrial Medicine, Vol. 42, pp. 219-225, 1985.(2)

Allen, M.P., Smith, R.W., "Dissolution of Asbestos Minerals in Acid and Buffered Salt Solutions." Chemical Abstracts Service, Mackay School of Mines, University of Nevada, pp. 1-12.(2)

Allison, A.C., "Experimental Methods - Cell and Tissue Culture: Effects of Asbestos Particles on Macrophages, Mesothelial Cells and Fibroblasts." Biological Effects of Asbestos. IARC Scientific Publication, No. 8, pp. 89-93, 1973.(2)

Alonso-Peces, ME; Juretschke, MA; De Miguel, J; Prats, E; Abad, N; Serrano, JA; "Correlation Between Radiological and Functional Findings in Workers Exposed to Asbestos: Role for High Resolution Computed Tomography (HRCT) in the Early Diagnosis of Asbestosis." European Respiratory Journal Supplement. Vol. 10, No. 25, pp. 233S. 1997.

Altree-Williams, S., Preston, J.S., "Asbestos and Other Fibre Levels in Buildings." Annals Occupational Hygiene, Vol. 29, No. 3, pp. 357-363, 1985.(2)

Amaducci, S., "Asbestos: Directory of Unpublished Studies Special Edition: New Studies Recorded Between August 1, 1981 and July 31, 1982." Report, Commission of the European Communities, Directorate-General for International Market and Industrial Affairs, April 1983.[2]

Amandus, H.E., Althouse, R., Morgan, W.K.C., Sargent, E.N., Jones, R., "The Morbidity and Mortality of Vermiculite Miners and Millers Exposed to Tremolite-Actinolite: Part III. Radiographic Findings." American Journal of Industrial Medicine, Vol. 11, pp. 27-37, 1987.[3]

Amandus, H.E., Wheeler, R., "The Morbidity and Mortality of Vermiculite Miners and Millers Exposed to Tremolite-Actinolite: Part II. Mortality." American Journal of Industrial Medicine, Vol. 11, pp. 15-26, 1987.[3]

Amandus, H.E., Wheeler, R., Jankovic, J., Tucker, J., "The Morbidity and Mortality of Vermiculite Miners and Millers Exposed to Tremolite-Actinolite: Part I. Exposure Estimates." American Journal of Industrial Medicine, Vol. 11, pp. 1-14, 1987.[3]

American Academy of Pediatrics, "Asbestos Exposure in Schools." Pediatrics, Vol. 79, No. 2, pp. 301-305, 1987.

American Mining Congress, National Stone Association, "The Asbestiform and Non-Asbestiform Mineral Growth Habit and Their Relationship to Cancer Studies." Pictorial Mineralogical Exhibit, pp. 73, 1989.

American Society for Testing an Materials (ASTM). *Standard Test Method for Microvacuum Sampling and Indirect Analysis of Dust by Transmission Electron Microscopy for Asbestos Structure Number Concentration.* D 5755 - 95. 1995.

American Society for Testing an Materials (ASTM). *Standard Test Method for Microvacuum Sampling and Indirect Analysis of Dust by Transmission Electron Microscopy for Asbestos Mass Concentration.* D 5756 - 95. 1995.

American Thoracic Society, Medical Section of the American Lung Association, "Health Effects of Tremolite." Am Rev Respir Dis, Vol. 142, pp. 1453-1458, 1990.[3]

Amick, R., "Methods for Evaluating Asbestos Abatement Technology." Report, U.S. Environmental Protection Agency, Office of Research and Development, EPA 600/M-86/022 (NTIS No. PB86-239761), 1986.[2]

Andersen, A, Langmark, F., "Incidence of Cancer in the Mineral-Wool Producing Industry in Norway." Scandinavian Journal Work Environmental Health, Vol. 12, supplemental, pp. 72-77, 1986.[2]

Anderson, H.A., Lilis, R., Daum, S.M., Fischbein, A.S., Selikoff, I.J., "Household-Contact Asbestos Neoplastic Risk." Ann NY Acad Sci, Vol. 271, pp. 311-323, 1976.[3]

Anderson, H.A., Lilas, R., Daum, S.M., Selikoff, I.J., "Asbestosis Among Household Contacts of Asbestos Factory Workers." Annals New York Academy of Sciences, Vol. 330, pp. 387-399, 1979.[2]

Anderson, C.H., Long, J.M., "Interim Method for Determining Asbestos in Water." Report, U.S. Environmental Protection Agency, Office of Research and Development, EPA 600/4-80-005, 1980.[2]

Anderson, H.A., Selikoff, I.J., Lilis, R., Seidman, H., "Morbidity and Mortality Among Household Contacts of Amosite Asbestos Exposed Factory Workers." Presented at World Symposium on Asbestos, May 1982, Montreal, Quebec, Canada, Wisconsin Division of Health, Madison, WI, 1982.[1][2]

Anderson, K.L., Theys, R.G., Dunmyre, G.R., "Sources of Contamination Using Indirect Sample Preparation Techniques." National Asbestos Council Journal, Vol. 7, No. 2, pp. 27-30, 1989.[2]

Antman, K.H., Blum, R.H., Greenberger, J.S., Flowerdew, G., Skarin, A.T., Canellos, G.P., Multimodality Therapy for Malignant Mesothelioma Based on a Study of Natural History." American Journal of Industrial Medicine, Vol. 68, pp. 356-362, 1980.

Appel, J.D., Fasy, T.M., Kohtz, S., Kohtz, J.D., Johnson, E.M., "Asbestos Fibers Mediate Transformation of Monkey Cells by Exogenous Plasmid DNA." Proc. Natl. Acad. Sci. USA, Vol. 85, pp. 7670-7674, 1988.[2]

Armbruster, L., "A New Generation of Light-Scattering Instruments for Respirable Dust Measurements." Ann. Occ. Hyg., Vol. 31, No. 2, pp. 181-193, 1987.[3]

Armstrong, B.K., DeKlerk, N.H., Musk, A.W., Hobbs, M.S.T., "Mortality in Miners and Millers of Crocidolite in Western Australia." British Journal of Industrial Medicine, Vol. 45, pp. 5-13, 1988.[1][2]

Asbestos International Association, "Reference Method for the Determination of the Airborne Asbestos Fibre Concentrations at Workplaces by Light Microscopy, 1988.

Asbestos International Association, "Proceedings of the Fifth Colloquium on Dust Measuring Technique and Strategy, Johannesburg, Republic of South Africa, October 29-31, 1984." Baunach, F., ed., South African Asbestos Producers Advisory Committee, Vol. Sept. 1985.

Ascoli, V; Scalzo, CC; Facciolo, F; Martelli, M; Manenete, L; Comba, P; Bruno, C; Nardi, F; "Malignant Mesothelioma in Rome, Italy 1980-1995. A Retrospective Study of 79 Patients." Tumori. Vol. 82, No. 6, pp. 526-532. 1996.

Ase, P.K., Koch, R., Yamate, G., "Chemical Stabilizers for the Control of Fugitive Asbestos Emissions from Open Sources." Report, U.S. Environmental Protection Agency, Office of Research and Development, EPA 600/2-82-063, 1982.

Asgharian, B., Yu, C.P., "Deposition of Inhaled Fibrous Particles in the Human Lung." Journal of Aerosol Medicine, MaryAnn Liebert, Inc., Vol. 1, pp. 37-50, 1988.[2]

Atkinsen, GR; Rose, D; Thomas, K; Jones, D; Chatfield, EJ; Going, JE; "Collection, Analysis and Characterization of Vermiculite Samples for Fiber Content and Asbestos Contamination" Task32 Final Report prepared for U.S. EPA, EPA560/1982 MRI/001, September 27, 1982.

Awad, L., DiMenza, L., Lazar, P., Bignon, J., Bonnaud, G., "An Attempt to Determine a Medium-Term, Low-Dose, Asbestos Exposure Indicator on the Basis of Clinical and Radiological Lung Changes." Biological Effects of Mineral Fibres, Wagner, J.C., IARC Scientific Publications, Vol. 2, No. 30, pp. 755-762.[5]

Ayer, H.E., Lynch, J.R., Fanney, J.H., "A Comparison of Impinger and Membrane Filter Techniques for Evaluating Air Samples in Asbestos Plants." Annals New York Academy of Science, Vol. 132, pp. 274-287, 1965.[1][2]

Azaroff, L.V., Buerger, M.J., The Powder Method in X-Ray Crystallography. McGraw-Hill Book Co., Inc., pp. 200-218, 1958.[2]

Back, K.C., "Review of Air Force Data from Long Term Continuous Exposure of Ambient Pressure." Proceedings of the Conference on Atmospheric Contamination in Confined Spaces, 30 March - 1 April 1965, Air Force Systems Command, publ., Vol. Dec., pp. 124-133, 1965.

Bagioni, R.P., "Separation of Chrysotile Asbestos from Minerals That Interfere with Its Infrared Analysis." Environmental Science & Technology, Vol. 9, No. 3, pp. 262-263, 1975.[2]

Bailey, K.F., "Regulatory Non-Asbestiform Minerals as Asbestos - The impact on the Construction Aggregates Industry and Its Users." Presented at the 117th Annual Meeting of the Society of Mining Engineers, pp. 11, 1988.

Bailey, K.F., "The Impact on the Construction Aggregates Industry and its Users." Presented at the 117th Annual Meeting of the Society of Mining Engineers, January 25-28, 1988, Phoenix, Arizona, 1988.

Balducci, D., Valerio, F., "Qualitative and Quantitative Evaluation of Chrysotile and Crocidolite Fibers with IR-Spectroscopy: Application to Asbestos-Cement Products." Int. J. of Environ. Anal. Chem., Vol. 27, pp. 315-323, 1986.[2]

Bales, R.C., Newkirk, D.D., Hayward, S.B., "Chrysotile Asbestos in California Surface Waters: From Upstream Rivers Through Water Treatment." Journal AWWA Research and Technology, pp. 66-74, May 1984.[2]

Barbeau, C., "Evaluation of Chrysotile by Chemical Methods." Report, Short Course in Mineralogical Techniques of Asbestos Determination." Mineralogical Association of Canada, Vol. 4, pp. 197-212, 1979.[5]

Barchowsky, A; Lannon, BM; Elmore, LC; Treadwell, MD; "Increased Focal Adhesion Kinase- and Urokinase-type Plasminogen Activator Receptor-Associated Cell Signaling in Endothelial Cells Exposed to Asbestos." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1131-1137. September, 1997.

Barchowsky, A; Roussel, RR; Krieser, RJ; Mossman, BT; Treadwell, MD; "Expression and Activity of Urokinase and its Receptor in Endothelial and Pulmonary Epithelial Cells Exposed to Asbestos." Toxicology and Applied Pharmacology. Vol. 152, No. 2, pp. 388-396. 1998.

Baris, Y.I., "The Clinical and Radiological Aspects of 185 Cases of Malignant Pleural Mesothelioma." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, pp. 937-958, 1980.[1][5]

Baris, Y.I., Artvinli, M., Sahin, A., "Environmental Mesothelioma in Turkey." Annals New York Academy of Sciences, Vol. 330, pp. 423-432, 1979.[1][2]

Baris, YI; Bilir, N; Artvinli, M; Sahin, AA; Kalyoncu, F; Sebastian, P; "An Epidemiological Study in an Anatolian Village Environmentally Exposed to Tremolite Asbestos." Br J Ind Med Vol.45, No.12, pp.838-840, December 1988.

Baris, YI; Bilir, N; Artvinli, M; Sahin, AA; Kalyoncu, F; Sebastian, P; "Non-Occupational Asbestos Related Chest Diseases in a Small Anatolian Village" British Journal of Industrial Medicine Vol.45, pp.841-842, 1988.

Baris, Y.I., Simonato, L., Artvinli, M., Pooley, F., Saracci, R., Skidmore, J., Wagner, C., "Epidemiological and Environmental Evidence of the Health Effects of Exposure to Erionite Fibres: A Four-Year Study in the Cappadocian Region of Turkey." International Journal of Cancer, Vol. 39, pp. 10-17. 1987.[1][2]

Barnes, R., "Compensable Asbestos-Related Disease in New South Wales." The Medical Journal of Australia, Vol. 2, pp. 221-224, 1983.

Barrett, C; Lamb, PW; Wiseman, RW; "Multiple Mechanisms for the Carcinogenic Effects of Asbestos and Other Mineral Fibers." Environmental Health Perspectives. Vol, 81, pp. 81-89 1989.

Bates, D.V., Fish, B.F., Hatch, T.F., Mercer, T.T., Morrow, P.E., "Deposition and Retention Models for Internal Dosimetry of the Human Respiratory Tract." Health Physics, Vol. 12, No. 2, pp. 173-207, 1965.[1][2]

Battelle, "Preliminary Draft - Guidance Manual on the Estimation of Airborne Asbestos Concentrations as a Function of Distance from a Surface Contamination Site." September 1989.[3]

Batz, W., "Standard Operating Guide for Sampling Asbestos." Report, U.S. Environmental Protection Agency, Environmental Response Team, Contract No. 68-03-3482, March 1988.[2]

Bauman, MD; Jetten, AM; Bonner, JC; Kumar, RK; Bennett, RA; Brody, AR; "Secretion of a Platelet-Derived Growth Factor Homologue by Rat Alveolar Macrophages Exposed to Particulates in Vitro." European Journal of Cell Biology. Vol. 51, pp. 327-334. 1990.

Baxter, D., Ziskind, R., Shokes, R., "Final Report: Ambient Asbestos Concentrations in California, in California, Volume I." California Air Resources Board. Pantalone, J., ed., National Technical Information Service. December 1983.[2]

Baxter, D., Ziskind, R., Shokes, R., "Final Report: Ambient Asbestos Concentrations in California, Field Number and Mass Concentration Summaries, Volume II." California Air

Resources Board. Pantalone, J., ed., National Technical Information Service. December 1983.[2]

Baxter, Dan; "Standard Method For The Detection of Asbestos Fibers in Fluids by Transmission Electron Microscopy" Particle Diagnostics Standard Operating Procedures, Draft, 1988.

Baxter, D.M., "EPA Method (40 CFR Part 763) for the Analysis of Airborne Asbestos by Transmission Electron Microscopy (Draft)." Particle Diagnostics Standard Operating Procedures, Revision 2.0 (2/1/88). Particle Diagnostics, Inc. 1988.[2]

Baxter, D.M., "Quantitative Method for the Analysis of Airborne Asbestos Structures by Transmission Electron Microscopy (Draft)." Particle Diagnostics Standard Operating Procedures, Revision 3.0 (2/2/88). Particle Diagnostics, Inc. 1988.[2]

Baxter, D.M., "Standard Method for the Detection of Asbestos Fibers in Bulk Insulation, Soil, and Dust by Transmission Electron Microscopy (Draft)." Particle Diagnostics Standard Operating Procedures, Revision 3.0 (11/1/78). Particle Diagnostics, Inc. 1988.[2]

Baxter, T.E., "Calibration of a Cyclone for Monitoring Inhalable Particles." Journal of Environmental Engineering, Vol. 112, No. 3, pp. 468-478, 1986.[2]

Beadle, D.G., Harris, E., "The Relationship Between the Amount of Dust Breathed and the Incidence of Silicosis; An Epidemiological Study of South African European Gold Miners." Pneumoconiosis: Proceedings of the International Conference, Johannesburg 1969, Shapiro, H.A., ed., pp. 483-477, 1970.

Beck, E.G., Bruch, J., Friedrichs, K.H., Hilscher, W., Pott, F., "Fibrous Silicates in Animal Experiments and Cell-Culture - Morphological Cell and Tissue Reactions According to Different Physical Chemical Influences." Inhaled Particles II. Walton, W.H., ed., pp. 477-486. 1971.[2]

Beckett, S.T., "The Generation and Evaluation of UICC Asbestos Clouds in Animal Exposure Chambers." Annals of Occupational Hygiene, Vol. 18, pp. 187-198, 1975.[1][2]

Beckett, S.T., "The Evaluation of Airborne Asbestos Fibres Using a Scanning Electron Microscope." Annals of Occupational Hygiene, Vol. 16, pp. 405-408, 1973.[2]

Beckett, S.T., Hey, R.K., Hirst, R., Hunt, R.D., Jarvis, J.L., Rickards, A.L., "A Comparison of Airborne Asbestos Fibre Counting With and Without an Eyepiece Graticule." Annals of Occupational Hygiene, Vol. 19, pp. 69-76, 1976.[1][2]

Beckett, S.T., Jarvis, J.L., "A Study of the Size Distribution of Airborne Amosite Fibres in the Manufacture of Asbestos Insulation Boards." Annals of Occupational Hygiene, Vol. 22, pp. 273-284, 1979.[1][2]

Becklake, M., "On Dr. Dunnigan's Commentary Linking Chrysotile Asbestos With Mesothelioma." American Journal of Industrial Medicine, Vol. 14, pp. 239-240, 1988.

Becklake, M., Arhirii, M., Gibbs, G., Hurwitz, S., "Exposure to Asbestos and Respiratory Abnormality: The Influence of Fibre Type and Nature of Exposure." Biological Effects of Mineral Fibres. Wagner, J.C., ed., IARC Sci. Pub., Vol. 2, No. 30, pp. 763-768, 1980.[5]

Becklake, M.R., "Asbestos and Other Fiber-Related Diseases of the Lungs and Rleura; Distribution and Determinants in Exposed Populations." Proceedings, Fourth Annual Chicago Lung Conference, Chest, Vol. 100, No. 1, July 1991.[3]

Bedick, R.C., The Sensitivity of Predicated Ambient Particulate Matter Levels to Particulate Emission Size Distribution and the Implications on Existing and Proposed Ambient Standards." A Specialty Conference on: Fugitive Dust Issues in the Coal Use Cycle, pp. 220-235, April 11-13, 1983.[3]

Begin, R; Gauthier, J; Desmeules, M; Ostiguy, G; "Work Related Mesothelioma in Quebec, 1967-1990." American Journal of Ind. Med. Vol. 22, pp. 531-542. 1992.

Begin, R., Masse, S., Rola-Pleszczynski, M., Drapeau, G., Dalle, D., "Selective Exposure and Analysis of the Sheep Tracheal Lobe as a Model for Toxicological Studies of Respirable Particles." Environmental Research, Vol. 36, pp. 389-404, 1985.

Begin, R., Masse, S., Rola-Pleszczynski, M., Boctor, M., Drapeau, G., "Asbestos Exposure Dose - Bronchoalveolar Milieu Response in Asbestos Workers and the Sheep Model: Evidences of a Threshold for Chrysotile-Induced Fibrosis." Drug and Chemical Toxicology, Vol. 10, No. 1 & 2, pp. 87-107, 1987.[2]

Bellmann, B., Konig, H., Muhle, H., Pott, F., "Chemical Durability of Asbestos and of Man-Made Mineral Fibres In Vivo," Journal of Aerosol Science, Vol. 17, No, 3, pp. 341-345, 1986.[1][2]

Bellmann, B; Muhle, H; Pott, F; "Investigation of the Biodurability and Carcinogenicity of Different Man-Made Mineral Fibres" NATO ASI Ser. Vol.85, No.:Cellular and Molecular Effects of Mineral and Synthetic Dusts and Fibres Pages, 1994.

Bellmann, B; Muhle, H; Ernst, H; "Investigations on Health-Related Properties of Two Sepiolite Samples." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1049-1052. September, 1997.

Bellmann, B., Muhle, H., Pott, F., Konig, H., Kloppeel, H., Spurny, K., "Persistence of Man-Made Fibers (MMF) and Asbestos in Rat Lungs." Annals of Occupational Hygiene, Vol. 31, pp. 693-709, 1987.[1][2]

Berger, H; Oesper, RE; Asbestos Fundamentals -Origin, Properties, Mining, Processing, Utilization 1963.

Berger, H.W., Galowin, L.S., Horlick, J., Steel, G., Verkouteren, J., "Bulk Asbestos Handbook: Operational and Technical Requirements of the Laboratory Accreditation Program for Bulk Asbestos Analysis (Draft)." Report, National Voluntary Laboratory Accreditation Program, ed., U.S. Department of Commerce/NTIS, 1988.[2]

Beritic-Stahuljak, D; Valic, F; Zuskin, E; "Relationship Between Cumulative Occupational Exposure to Asbestos Fibres and Respiratory Symptoms." Acta Med Croatica (YUGOSLAVIA). Vol. 45, No. 4-5, pp. 283-295. 1991.

Berkowitz, R., "Asbestos Abatement and Pulmonary Health." ECON; Environmental Contractor, Vol. Sept., pp. 111-112, 1989.[2]

Berman, DW *Analysis and Interpretation of Measurements for the Determination of Asbestos in Core Samples Collected at the Southdown Quarry in Sparta, New Jersey.* Prepared for Gaetano LaVigna, U.S. Environmental Protection Agency, Region 2, New York, NY. November 12, 2003.

Berman, D.W. "Asbestos Measurement in Soils and Bulk Materials: Sensitivity, Precision, and Interpretation -- You *Can* Have It All." in *Advances in Environmental Measurement Methods for Asbestos, ASTM STP 1342,* M.E. Beard, H.L. Rook, Eds., American Society for Testing and Materials. Pp. 70-89. 2000.

Berman, D.W. *The Search for a Method Suitable for Supporting Risk Assessment: The Determination of Asbestos in Soils and Bulk Materials, A Feasibility Study.* USEPA publication, 1990. Under EPA review.

Berman DW Chatfield EJ. Interim Superfund Method for the Determination of Asbestos in Ambient Air. Part 2: Technical Background Document. Office of Solid Waste and Remedial Response. U.S. Environmental Protection Agency, Washington, D.C. EPA/540/2-90/005b. May. 1990.

Berman, D.W. and Chesson, J. "A Superfund Guide: Development of Effective Sampling Strategies for the Investigation of Asbestos-Related Hazards." USEPA publication, 1991. Under EPA review.

Berman, D.W. and Crump, K.S. *Final Draft: Technical Support Document for a Protocol to Assess Asbestos-Related Risk.* Prepared for Mark Follensbee, Syracuse Research Corporation, Syracuse, New York and the Office of Solid Waste and Emergency Response, U.S.EPA, Washington, D.C. 2003. EPA #9345 4-06. October 2003. Limited Revision Draft.

Berman, D.W. and Crump, K.S.; *Technical Support Document for a Protocol to Assess Asbestos-Related Risk.* Prepared for Mark Raney, Volpe Center, U.S. Department of Transportation, 55 Broadway, Kendall Square, Cambridge, MA 02142. 2001. Prepared under Contract No. DTRS57-01-C-10044. September, 2001. Peer-reviewed draft.

Berman, D.W. and Crump, K.S. (1999a). *Methodology for Conducting Risk Assessments at Asbestos Superfund Sites. Part 1: Protocol.* Prepared for: Kent Kitchingman, U.S. Environmental Protection Agency, Region 9, 75 Hawthorne, San Francisco, California 94105. Work Assignment No. 59-06-D800 under Contract No. 68-W9-0059. Under EPA Review.

Berman, D.W. and Crump, K.S. (1999b). *Methodology for Conducting Risk Assessments at Asbestos Superfund Sites. Part 2: Technical Background Document.* Prepared for: Kent Kitchingman, U.S. Environmental Protection Agency, Region 9, 75 Hawthorne, San Francisco,

California 94105. Work Assignment No. 59-06-D800 under Contract No. 68-W9-0059. Under EPA Review.

Berman, DW; Crump, KS; Chatfield, EJ; Davis, JMG; Jones, AD; "The Sizes, Shapes, and Mineralogy of Asbestos Structures that Induce Lung Tumors or Mesothelioma in AF/HAN Rats Following Inhalation." Risk Analysis. Vol. 15, No. 2, pp. 181-195. 1995a.

Berman, DW; Crump, KS; Chatfield, EJ; Davis, JMG; Jones, AD; "The Sizes, Shapes, and Mineralogy of Asbestos Structures that Induce Lung Tumors or Mesothelioma in AF/HAN Rats Following Inhalation." Errata. Risk Analysis. Vol. 15, No. 4, pp. 541. 1995b.

Berman DW; Crump KS; Chatfield EJ; Davis JMG; Jones AD. The Size Distribution of Fibers and Particles in Airborne Dust Generated for Selected Animal Inhalation Studies. (in preparation).

Berman, D.W. and Kolk, A.J. *Draft: Modified Elutriator Method for the Determination of Asbestos in Soils and Bulk Materials, Revision 1.* Submitted to the U.S. Environmental Protection Agency, Region 8. May 23, 2000. Unpublished.

Berman, D.W. and Kolk, A.J. *Superfund Method for the Determination of Asbestos in Soils and Bulk Materials.* Prepared for the Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency. EPA 540-R-97-028. 1997.

Bernstein, DM; Morscheidt, C; Grimm, H-G; Thevenaz, P; Teichert, U; "Evaluation of Soluble Fibers Using the Inhalation Biopersistence, a Nine-Fiber Comparison" Inhalation Toxicology Vol.8, pp.345-385, 1996.

Berry, C.L., Jones, T.J., "Early-Onset, Asbestos-Associated Mesothelioma." The Lancet, Vol. May 10, pp. 1094, 1986.[2]

Berry, G., Discussion Summary, Biological Effects of Mineral Fibres, Wagner, J.D., ed., IARC Scientific Publications, Vol. 2, No. 30, pp. 861-863, 1980.[1][5]

Berry, G., "The Prognosis Following Certification with Asbestos in the U.K." Biological Effects of Mineral Fibres, Wagner, J.D., ed., IARC Scientific Publications, Vol. 2, No. 30, 603-608, 1980.[1][2]

Berry, G., "IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Man." IARC Working Group on the Evaluation of the Carcinogenic Risk of Chemicals to Man, Vol. 14, 1976.

Berry, G., "The Analysis of Mortality by the Subject-Years Method." MRC Pneumoconiosis Unit, Llandough Hospital.[2]

Berry, G., Gilson, J.C., Holmes, S., Lewinsohn, H.C., Roach, S.A. "Asbestosis: A Study of Dose-Response Relationships in an Asbestos Textile Factory." British Journal of Industrial Medicine, Vol. 36, pp. 98-112, 1979.[1][2]

Berry, G., Newhouse, M.L., "Mortality of Workers Manufacturing Friction Materials Using Asbestos." British Journal of Industrial Medicine, Vol. 40, pp. 1-7, 1983.[1][2]

Berry, G., Newhouse, M.L., Antonis, P., "Combined Effect of Asbestos and Smoking on Mortality from Lung Cancer and Mesothelioma in Factory Workers." British Journal of Medicine, Vol. 42, pp. 12-18, 1985.[1][2]

Berry, G., Wagner, J.C., "Effect of Age at Inoculation of Asbestos on Occurrence of Mesothelioma in Rats." International Journal on Cancer, Vol. 17, pp. 477-483, 1976.[1][2]

Berry, M; "Mesothelioma Incidence and Community Asbestos Exposure." Environ Research. Vol. 75, pp. 34-40. 1997.

Bertazzi, P.A., Zorchetti, C., Riboldi, L., Pesatori, A., Radice, L., Latocca, R., "Cancer Mortality of an Italian Cohort of Workers in Man-Made Glass-Fiber Production." Scand. J. Work Environ. Health, Vol. 12, No. suppl 1, pp. 65-71, 1986.[2]

Bertrand, R., Pezerat, H., "Fibrous Glass: Carcinogenicity and Dimensional Characteristics." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, pp. 901-911, 1980.[1][2]

Beswick, PH; Allan, D; Donaldson, K; Graham, A; Higinbotham, J; "Chemical Differences Between Long and Short Amosite Asbestos: Differences in Oxidation State and Coordination Sites of Iron, Detected by Infrared Spectroscopy." Occupational and Environmental Medicine. Vol. 56, No. 9, pp. 606-611. Sept, 1999.

Bianchi, C; Brollo, A; Ramani, L; Zuch, C; "Pleural Plaques as Risk Indicators for Malignant Pleural Mesothelioma: A Necroposy-Based Study." Amer J Ind Med. Vol. 32, pp. 445-449. 1997.

Bianchi, C; Ferrari, A; Parisio, E; Rovej, R; Scanni, A; Sparacio, F; "Pulmonary Asbestosis Associated to Pleural Non-Hodgkin Lymphoma." Tumori. Vol. 85, No. 1, pp. 75-77. Jan-Feb, 1999.

Bignon, J., "Summary and Closing Remarks." Effects of Mineral Dusts on Cells, NATO ASI Series, Vol. H30, Proceedings of the NATO Advanced Research Workshop on In Vitro Effects of Mineral Dusts on Cells held at Auberge Estrimont, Oxford, Quebec, Canada, September 20-23, 1988.[3]

Bignon, J; Brochard, P; Brown, R; Davis, MG; Gibbs, VVG; Greim, M; Oberdoerster, G; Sebastien, P; "Assessment of the Toxicity of Man-Made Fibres" Ann.Occup.Hyg. Vol.39, No.1; pp.89-106, 1995.

Bignon, J., Monchaux, G., Sebastien, P., Hirsch, A., Lafuma, J., "Human and Experimental Data on translocation of Asbestos Fibers Through the Respiratory System." Annals of New York Academy of Sciences, Vol. 330, pp. 745-750, 1979.[1][2]

Bignon, J., Sebastien, P., Gaudichet, A., "Measurement of Asbestos Retention in the Human Respiratory System Related to Health Effects." National Bureau of Standards Special

Publication 506. Proceedings of the Workshop on Asbestos: Definitions and Measurement Methods held at NBS, Gaithersburg, MD., July 18-20, 1977 (issued November 1978).

Bishop, K.M., "TEM Analysis and the Cost of Quality." Asbestos Issues, Vol. August, pp. 38-41, 1989.[2]

Black, S.R., Sullivan, J., Larkin, N.W., Monnett, W., "Investigation of Exposures to Environmental Asbestos-Utility of Ambient Asbestos and Particulate Data." Unpubl. Report, 1988.[2]

Blake, T; Castranova, V; Schwegler-Berry, D; Baron, P; Deye, GL; Li, C; Jones, W; "Effect of Fiber Length on Glass Microfiber Cytotoxity" Journal of Toxicology and Environmental Health Vol.54, pp.243-259, Part A, 1998.

Blanc, P.D., Golden, J.A., Gamsu, G., Aberle, D.R., Gold, W.M., "Asbestos Exposure-Cigarette Smoking Interactions Among Shipyard Workers." The Journal of the American Medical Association, Vol. 259, No. 3, pp. 370-373, 1988.[2]

Blot, W.J., Harrington, J.M., Toledo, A., Hoover, R., Heath, C.W., Jr., Fravmeni, J.F., Jr., "Lung Cancer After Employment in Shipyards During World War II." New England Journal of Medicine, Vol. 299, No. 12, pp. 620-624, 1978.[2]

Bofetta, P; "Health Effects of Asbestos Exposure in Humans: A Quantitative Assessment." Med Lav. Vol. 89, No. 6, pp. 471-80. Nov-Dec. 1998.

Bohlig, H., Hain, E., "Cancer in Relation to Environmental Exposure." Biological Effects of Asbestos, IARC Scientific Publications, Vol. 8, pp. 217-221, 1973.[2]

Bolton, R.E., Addison, J., Davis, J.M.G., Donaldson, K., Jones, A.D., Miller, B.G., Wright, A., "Effects of the Inhalation of Dusts from Calcium Silicate Insulation Materials in Laboratory Rats." Environmental Research, Vol. 39, pp. 26-43, 1986.[1][2]

Bolton, R.E., Davis, J., Donaldson, K., Wright, A., "Variation in the Carcinogenicity of Mineral Fibres." Annals of Occupational Hygiene, Vol. 26, No. 1-4, pp. 569-582, 1982.[1][2]

Bolton, R.E., Davis, J.M.G., Miller, B., Donaldson, K., Wright, A., "The Effect of Dose of Asbestos on Mesothelioma Production in the Laboratory Rat." Proceedings of the VIth International Pneumonoconiosis Conference, Vol. 2, pp. 1028-1035, 1984.[1][2]

Bolton, RE; Vincent, JH; Jones, AD; Addison, J; Beckett, ST; "An Overload Hypothesis for Pulmonary Clearance of UICC Amosite Fibres Inhaled by Rats." Brit J Ind Med. Vol 40. pp. 264-272. 1983.

Bonneau, L., Malard, C., Pezerat, H., "Studies on Surface Properties of Asbestos," Environmental Research, Vol. 41, pp. 268-275, 1986.[1][2]

Bonner, W.P., Bustamante, R.B., Isham, C.W., "Separation of Asbestos from Environmental Media by Zonal Centrifugation." Report, Proceedings of the Industrial Waste Conferences, Vol. 38, pp. 903-913, 1983/84.[2]

Boomer, B.A., Erickson, M.D., Swanson, S.E., Kelso, G.L., Cox, D.C., Schultz, B.D., "Verification of PCB Spill Cleanup by Sampling and Analysis." U.S. Environmental Protection Agency, Office of Toxic Substances, EPA 560/5-85-026, 1985.

Borm, PJA; Knaapen, AM; Schins, RPF; Godschalk, RWL; Van Schooten, F-J; "Neutrohpils Amplify the Formation of DNA Adducts by Benzo(a)pyrene in Lung Target Cells." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1089-1093. September, 1997.

Borow, M., Conston, A., Livornese, L., Schalet, N., "Mesothelioma Following Exposure to Asbestos: A Review of 72 Cases." Chest, Vol. 64, No. 5, pp. 641-647, 1973.

Bossard, E., Stolkin, I., Spycher, M.A., Ruttner, J.R., "Quantification and Particle Size Distribution of Inhaled Fibres in the Lung." Biological Effects of Mineral Fibres, IARC Scientific Publications #36, Vol. 1, pp. 35-42, 1980.(2)

Botha, J.L., Irwig, L.M., Strebel, P.M., "Excess Mortality from Stomach Cancer, Lung Cancer, and Asbestosis and/or Mesothelioma in Crocidolite Mining Districts in South Africa." American Journal of Epidemiology, Vol. 123, No. 1, pp. 30-40, 1986.(1)(2)

Boutin, C; Dumortier, P; Rey, F; Viallat, JR; De Vuyst, P; "Black Spots Concentrate Oncogenic Asbestos Fibers in the Parietal Pleura: Thoracoscopic and Mineralogic Study." American Journal of Respiratory and Critical Care Medicine. Vol. 153, pp. 444-449. 1996.

Boutin, C; Schlesser, M; Frenay, C; Astoul, P; "Malignant Pleural Mesothelioma." Eur Respir J. Vol. 12, No. 4, pp. 972-81. October 1998.

Boylan, AM; Sanan, DA; Broaddus, VC; Abstract "Identification of Intracellular Asbestos Fibers in Mesothelial Cells Using Fluorescence Confocal Microscopy" Mol.Biol.Cell Vol.3 (Suppl.), p.117A, 1992.

Bragg, G.M., "Effective Control of Asbestos Dust Emissions." Report, Asbestos - Its Health Risks, Analysis, Regulation, and Control APCA SP-57, 1987.

Brain, J.D., Knudson, D.E., Sorokin, S.P., Davis, M.A., "Pulmonary Distribution of Particles Given by Intratracheal Instillation by Aerosol Inhalation." Environmental Research, Vol. 11, pp. 13-33, 1976.(1)(2)

Brantly, E.P., Jr., "Bulk Sample Analysis for Asbestos Content: Evaluation of the Tentative Method." Report, U.S. Environmental Protection Agency, Environmental Monitoring Systems Laboratory, ed., EPA 600/4-82-021, U.S. Department of Commerce, NTIS, Vol. April 1982.(2)

Brantly, E.P., Jr., Lenitzen, D.E., "Asbestos-Containing Materials in School Buildings: Bulk Sample Analysis QA Program." U.S. Environmental Protection Agency, EPA 560/13-80-23, U.S. Department of Commerce, NTIS, Vol. August 1980.(2)

Brass, DM; Hoyle, GW; Poovey, HG; Liu, J-Y; Brody, AR; "Reduced Tumor Necrosis Factor-Alpha and Transforming Growth Factor-Beta-1 Expression in the Lungs of Inbred Mice That Fail

to Develop Fibroproliferative Lesions Consequent to Asbestos Exposure." American Journal of Pathology. Vol. 154, No. 3, pp. 853-862. 1999.

Breen, J.J., "Evaluating Asbestos Exposures in Buildings." Report, Asbestos - Its Health Risks, Analysis, Regulation, and Control APCA SP-57, pp. 71-78, 1987.

Brenner, J., Sordillo, P., Magil, G.B., "Malignant Mesothelioma in Children: Report of Seven Cases and Review of the Literature." Medical and Pediatric Oncology, Vol. 9, pp. 367-373, 1981.

Brenner, J., Sordillo, P., Magil, G.B., Golbey, R.B., "Malignant Peritoneal Mesothelioma." The American Journal of Gastroenterology, Vol. 75, No. 4, pp. 311-313, 1981.

Broaddus, VC; Yang, L; Scabo, LM; Ernst, JD; Boylan, AM; "Crocidolite Asbestos Induces Apoptosis of Pleural Mesothelial Cells: Role of Reactive Oxygen Species and Poly(ADP-ribosyl) Polymerase." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1147-1152. September, 1997.

Brody, AR; "Asbestos-Induced Lung Injury and Fibrosis: A Month in the Life of an Inhaled Asbestos Fiber." Journal of Clean Technology Environmental Toxicology and Occupational Medicine. Vol. 7, No. 4, pp. 397-412. 1998.

Brody, A.R., Hill, L.H., Adkins, B., O'Connor, R.W., "Chrysotile Asbestos Inhalation in Rats: Deposition Pattern and Reaction of Alveolar Epithelium and Pulmonary Macrophages." American Review of Respiratory Diseases, Vol. 123, pp. 670-679, 1981.[(1)(2)]

Brody, AR; Liu, J-Y; Brass, D; Corti, M; "Analyzing the Genes and Peptide Growth Factors Expressed in Lung Cells In Vivo Consequent to Asbestos Exposure." Environmental Health Perpsectives. Vol. 105, Supplement 5, pp. 1165-1171. September, 1997.

Brody, A.R., Overby, L.H., "Incorporation of Tritiated Thymidine by Epithelial and Interstitial Cells in Bronchiolar-Alveolar Regions of Asbestos-Exposed Rats." American Journal of Pathology, Vol. 134, No. 1, pp. 133-140, 1989.

Brown, A., "Lymphohematogenous Spread of Asbestos." Environmental Health Perspectives.", Vol. 9, pp. 203-204, 1974.

Brown, A.L., "Sampling-Air Monitoring and Bulk Material." Analytical Proceedings, Vol 24, pp. 226-227, 1987.[(2)]

Brown, DM; Fisher, C; Donaldson, K; "Free Radical Activity of Synthetic Vitreous Fibers: Iron Chelation Inhibits hydroxyl Radical Generation by Refractory Ceramic Fiber." Journal of Toxicology and Environmental Health Part A. Vol. 53, No. 7, pp. 545-561. 1998.

Brown, DP; Beaumont, JJ; Dement, JM; Tabershaw, IR; Thompson, CS; "The Toxicity of Upstate New York Talc." Journal of Occup Med. Vol. 25, No. 3, pp. 178-181. March, 1983.

Brown, DP; Dement, JM; Okun, A; "Mortality Patterns Among Female and Male Chrysotile Asbestos Textile Workers." Journal of Occupational Med. Vol. 36, No. 8, pp. 882-888. 1994.

Brown, DP; Dement, JM; Wagoner, JK; "Mortality Patterns Among Miners and Millers Occupationally Exposed to Asbestiform Talc." Conference on Occup Exposures to Silicous And Particulate Dust. pp. 317-324. 1983.

Brown, D.P., Kaplan, S.D., Zumwalde, R.D., Kaplowitz, M., Archer, V.E., "Retrospective Cohort Mortality Study of Underground Gold Mine Workers." Silica, Silicosis, and Cancer: Controversy in Occupational Medicine, Cancer Research Mono. #2, Praeger, New York, pp. 335-350. 1986.

Brown, RC; Carthew, P; Hoskins, JA; Sara, E; Simpson, CF; "Short Communication: Surface Modification can Affect the Carcinogenicity of Asbestos." Carcinogenesis. Vol. 11, No. 10, pp. 1883-1885. 1990.

Brown, R.C., Chamberlain, M., Griffiths, D.M., Timbrell, V., "The Effect of Fibre Size on the In Vitro Biological Activity of Three Types of Amphibole Asbestos." Internal Journal of Cancer, Vol. 22, pp. 721-727, 1978.(1)(2)

Brown, R.C., Fleming, G.T.A., Knight, A.I., "Asbestos Affects the In Vitro Uptake and Detoxicification of Aromatic Compounds." Environmental Health Perspectives, Vol. 51, pp. 315-318, 1983.

Brown, R.C., Hoskins, J.A., Cole, K.J., Evans, C.E., Sara, E.A., "Effects of Asbestos Fibres on some Aspects of the Cell Second Messenger System." Effects of Mineral Dusts on Cells, NATO ASI Series, Vol. H30, Proceedings of the NATO Advanced Research Workshop on In Vitro Effects of Mineral Dusts on Cells held at Auberge Estrimont, Oxford, Quebec, Canada, September 20-23, 1988.(3)

Brown, S.K., "Asbestos Exposure During Renovation and Demolition of Asbestos-Cement Clad Buildings." American Industrial Hygiene Association Journal, Vol. 48, No. 5, pp. 478-486, 1987.(2)

Browne, K; "Asbestos-Related Disorders" Occupational Lung Disorders (WR Parkes) 3. Edition 1994.

Browne, K., "Editorial: Is Asbestos or Asbestosis the Cause of the Increased Risk of Lung Cancer in Asbestos Workers?" British Journal of Industrial Medicine, Vol. 43, pp. 145-149, 1986.(2)

Browne, K., "A Threshold for Asbestos-Related Lung Cancer." British Journal of Industrial Medicine, accepted for publication 1986.(2)

Browne, K., "Asbestos-Related Mesothelioma: Epidemiological Evidence for Asbestos as a Promoter." Arch. Env. Health, Vol. 38, No. 5, pp. 261-266, 1983.

Bruckman, L; Rubino, RA; "Monitored Asbestos Concentrations in Conneticut" J. Air. Poll. Control Assoc. Vol.28, No.12, pp.1221-1226,1978.

Brulotte, R., "Study of Atmospheric Pollution in the Thetford Mines Area, Cradle of Quebec's Asbestos Industry." Atmospheric Pollution, pp. 447-458, 1976.(3)

Brunner, W; Williams, AN; and Bender, AP, *Exposures to commercial asbestos in northeastern Minnesota iron miners who developed mesothelioma.* Minnesota Department of Health. 2003. Available at: htp://www.health.state.mn.us/divs/hpcd/cdee/occhealth/documents/MinersReport112503.pdf

Brusick, D.J., Simmon, V.E., Rosenkranz, H., Ray, V.A., Stafford, R.S., "An Evaluation of the *Escherichia coli* WP_2 and WP_2 *uvrA* Reverse Mutation Assay." Mutation Research, Vol. 76, pp. 169-190, 1980.

Bunn, WB; Bender, JR; Hesterberg, TW; Chase, GR; Konzen, JL; "Recent Studies of Man-Made Vitreous Fibers-Chronic Animal Inhalation Studies" JOM Vol.35, No.2, 1993.

Burch, S.M., "Asbestos Replacement Design." NAC Journal, Fall, pp. 29-35, 1989.(3)

Burdett, G; "A Comparison of Historic Asbestos Measurements Using a Thermal Precipitator with the Membrane Filter-Phase Contrast Microscopy Method." Annals of Occupational Hygiene. Vol. 42, No. 1, pp. 21-31. 1998.

Burdett, G.J., "The Impact of the EPA Final Rule for ACM in Schools - A Survey of Analytical TEM Laboratories: Preliminary Results." NAC Journal, Vol. 7, No. 2, pp. 22-26, 1989.(2)

Burdett, G.J., "Use of Membrane-Filter, Direct-Transfer Technique for Monitoring Environmental Asbestos Releases." Asbestos Fibre Measurements in Building Atmospheres: 1985 Proceedings, Chatfield, E.J., ed., Ontario Research Foundation, pp. 87-114, 1986.(5)

Burdett, G.J., "The Measurement of Airborne Asbestos Releases from Damaged Amosite Insulation Subject to Physical Attrition." Asbestos Fibre Measurements in Building Atmospheres: 1985 Proceedings, Chatfield, E.J., ed., Ontario Research Foundation, pp. 209-230, 1986.(2)

Burdett, G.J., Jaffrey, S.A.M.T., "Airborne Asbestos Concentrations in Buildings." Annals of Occupational Hygiene, Pergamon Journals Ltd., publ., Vol. 30, No. 2, pp. 185-199, 1986.(2)

Burdett, G.J., Jaffrey, S.A.M.T., Rood, A.P., "Airborne Asbestos Fibre Levels in Buildings: A Summary of UK Measurements." Report No. IR.L/DI/87/07, presented at the WHO/IARC Symposium on "Mineral Fibres in the Non-Occupational Environment, Lyon, September 8-10, 1987, Crown., publ., 1987.(2)

Burdett, G.J., LeGuen, J.M.M., Rood, A.P., "Mass Concentrations of Airborne Asbestos in the Non-Occupational Environment - A Preliminary Report of U.K. Measurements." Annals of Occupational Hygiene, Pergamon Press Ltd., Vol. 28, No. 1, pp. 31-38, 1984.(2)

Burdett, G., LeGuen, J.M., Rood, A.P., Rooker, S.J., "Comprehensive Methods for Rapid Quantitative Analysis of Airborne Particulates by Optical Microscopy, SEM and TEM With Special Reference to Asbestos." Atmospheric Pollution 1980, Vol. 8, pp. 323-338, 1980.

Burdett, G.J., Rood, A.P., "Membrane Filter, Direct Transfer Technique for the Analysis of Asbestos Fibers or Other Inorganic Particles by Transmission Electron Microscopy." Environmental Science Technology, Vol. 17, No. 11, pp. 643-648, 1983.[2]

Burdett, G; Smith, JJ; Papanicolopoulos, CD; "Airborne Asbestos Fiber Levels in Buildings and Their Impact on Risk Management" Symposium on Health Aspects of Exposure to Asbestos in Buildings pp.235-266 December 1989.

Burmeister, HL; Matthews, IE; Mining and Milling Methods and Costs, Vermont Asbestos Mines the Ruberoid Co., Hyde Park, VT. United States Department of the Interior, 1962.

Cain, W.C., Powers, T.J., Wilmoth, R.C., "Results of Air Sampling from Selected Asbestos Abatement Projects." Report presented at National Asbestos Council Third Annual Fall Technical Conference and Exposition, Oakland, CA, September 22, 1987.[2]

California, State of, Air Resources Board; "Method 435: Determination of Asbestos - Content of Serpentine Aggregate" Adopted: June 6, 1991.

California, State of, Air Resources Board, "Public Hearing to Consider the Adoption of an Airborne Toxic Control Measure for Asbestos-Containing Serpentine Rock in Surfacing Applications." Supplemental Notice of Public Availability to Modified Text. April 1990.[4]

California, State of, Air Resources Board, "Public Hearing to Consider the Adoption of an Airborne Toxic Control Measure for Asbestos-Containing Serpentine Rock in Surfacing Applications." April 1990.[4]

California, State of, Air Resources Board, "Proposed Control Measure for Asbestos-Containing Serpentine Rock in Surfacing Applications." Staff Report, Feb., 1990.[4]

California, State of, Air Resources Board, "Proposed Control Measure for Asbestos-Containing Serpentine Rock in Surfacing Applications." Technical Support Document, Feb., 1990.[4]

California, State of, Air Resources Board; "Method 427: Determination of Asbestos, Emissions From Stationary Sources" Adopted: March 23, 1988.

California, State of, Air Resources Board, "Public hearing to Consider the Adoption of a Regulatory Amendment Identifying Asbestos as a Toxic Air Contaminant." Staff Report: Initial Statement of Reasons for Proposed Rulemaking, Vol. Feb, 1988.

California, State of, Air Resources Board, "Staff Report: Initial Statement of Reasons for Proposed Rulemaking." Public Hearing to Consider the Adoption of a Regulatory Amendment Identifying Asbestos as a Toxic Air Contaminant. February, 1986.[4]

California, State of, Air Resources Board, "Determination of Asbestos Content of Bulk Samples - Draft Report."

California Environmental Protection Agency, Department of Toxic Substances Control, Office of Scientific Affairs, "CalTOX, a Multimedia Total Exposure Model for Hazardous Waste Sites." June 1993.[3]

California, State of, The Resources Agency, Department of Water Resources; "Draft Environmental Impact Report For Arroyo Pasajero Interim Standard Operating Procedure" May 1993.

Cameron, G., Woodworth, C.D., Edmondson, S., Mossman, B.T., "Mechanisms of Asbestos-Induced Squamous Metaplasia in Tracheobronchial Epithelial Cells." Environmental Health Perspectives, Vol. 80, pp. 101-108, 1989.[2]

Campbell, W.J., Huggins, C.W., Wylie, A.G., "Chemical and Physical Characterization of Amosite, Chrysotile, Crocidolite, and Nonfibrous Tremolite for Oral Ingestion Studies by the National Institute of Environmental Health Sciences." Report of Investigations 8452, National Library of Natural Resources, U.S. Department of the Interior. 1980.[3]

Campbell, W.J., Steel, E.B., Virta, R.L., Eisner, M.H., "Relationship of Mineral Habit to Size Characteristics for Tremolite Cleavage Fragments and Fibers." Report of Investigations 8367, Natural Resources Library, U.S. Department of the Interior.

Camus, M; Siemiatycki, J; Meek, B; "Non-Occupational Exposure to Chrysotile Asbestos and the Risk of Lung Cancer." New England Journal of Med. Vol. 338, No. 22, pp. 1565-1571. 1998.

Carter, L.J., "Asbestos: Trouble in the Air from Maryland Rock Quarry." Science, Vol. 197, No. 15 July, pp. 237-240, 1977.[2]

Case, BW; "Biological Indicators of Chrysotile Exposure" Annals of Occupational Hygiene Vol.38, No.4, pp.503-518, 1994.

Case, BW; Dufrene, A; "Asbestos, Asbestosis, and Lung Cancer: Observations in Quebec Chrysotile Workers." Environ Health Perspectives. Vol. 105, No. 5, pp. 1113-1119. September, 1997.

Case BW; Dufresne A; McDonald AD; McDonald JC; Sebastien P. Asbestos Fiber Type and Length in Lungs of Chrysotile Textile and Production Workers: Fibers Longer than 18 μm. *Inhalation Toxicology.* 1(Suppl 1):411–418. 2000.

Case, B.W., Sebastien, P., "Fibre Levels in Lung and Correlation with Air Samples." IARC Sci. Publ., No. 90, pp. 207-219, 1989.

Case, B.W., Sebastien, P., "Environmental and Occupational Exposures to Chrysotile Asbestos: A Comparative Microanalytic Study." Archives of Environmental Health, Vol. 42, No. 4, pp. 185-191, 1987.[2]

Case, B.W., Sebastien, P., "Biological Estimation of Environmental Exposure to Asbestos." Environmental and Occupational Health: Occupational Lung Disease." Am Rev Resp Dis, p. A187, 1985.[3]

Case, B., Sebastien, P., McDonald, J.C., "Lung Fiber Analysis in Accident Victims: A Biological Assessment of General Environmental Exposures." Archives of Environmental Health, Vol. 43, No. 2, pp. 178-179, 1988.

Castranova V; Vallyathan V; Ramsey DM; McLaurin JL; Pack D; Leonard S; Barger MW; Ma JUC; Dalal NS; Teass A. Augmentation of Pulmonary Reactions to Quartz Inhalation by Trace Amounts of Iron-Containing Particles. *Environmental Health Perspectives.* 105(Suppl 5):1319–1324. September. 1997.

Chabay, I., Rosasco, G.J., Etz, E.S., "Alternative Techniques for Fiber Characterization: Particulate Size Distribution Measurement by Doppler Shift Spectroscopy and Chemical Identification by Microraman Spectroscopy." Symposium on Electron Microscopy of Micro Fibers, Section V. Alternative Techniques, pp. 181-188, 1976.[3]

Chadwick, D.A., Buchan, R.M., Beaulieu, H.J., "Airborne Asbestos in Colorado Public Schools." Environmental Research, Vol. 36, pp. 1-13, 1985.[2]

Chamot, E.M., Mason, C.W., "Principles and Use of Microscopes and Accessories Physical Methods for the Study of Chemical Problems, Volume I, Handbook of Chemical Microscopy." 1930.[3]

Chang, H-Y; Chen, C-R; Wang, J-D; "Risk Assessment of Lung Cancer and Mesothelioma in People Living Near Asbetos-Related Factories in Taiwan." Archives of Environmental Health. Vol. 54, No. 3, pp. 194-201. May-June, 1999.

Chang, L-Y., Overby, L.H., Brody, A.R., Crapo, J.D., "Progressive Lung Cell Reactions and Extracellular Matrix Production After a Brief Exposure to Asbestos." American Journal of Pathology, Vol. 131, No. 1, pp. 156-170, 1989.

Chang, S.N., White, L.E., Scott, W.D., "Assessing Asbestos Exposure Potential in Nonindustrial Settings." Journal of Community Health, Vol. 12, No. 2,3, pp. 176-184, 1987.[2]

Chao C-C; Park S-H; Aust AE. Participation of Nitric Oxide and Iron in the Oxidation of DNA in Asbestos-Treated Human Lung Epithelial Cells. *Archives of Biochemistry and Biophysics.* 326(1):152!157. 1996.

CHAP (Chronic Hazard Advisory Panel on Asbestos). Report to the U.S. Consumer Product Safety Commission. July. 1983.

Chatfield, E.J., Ambient Air: Determination of Asbestos Fibres; Indirect-transfer Transmission Electron Microscopy Procedure." ISO/TC 146/SC 3/WG1 N39, document submitted to ISO/TC 146/SC 3 for consideration as a committee draft, June, 1993.[4]

Chatfield, E.J., "Ambient Air: Determination of Asbestos Fibres; Direct-transfer Transmission Electron Microscopy Procedure." ISO/DP10312 (Revised), ISO/TC 146/SC 3/WG1 N28, document submitted to ISO/TC 146/SC 3 for consideration as a draft international standard, 1991.[3]

Chatfield, E.J., "Ambient Air: Determination of Asbestos Fibres; Indirect-transfer Transmission Electron Microscopy Procedure." ISO/TC 146/SC 3/WG1 N29, document submitted to ISO/TC 146/SC 3/WG1 for consideration as a draft proposal, 1991.[3]

Chatfield, E.J., "Preparation and Characterization of Reference Chrysotile Dispersions for Use in Quality Assurance Programs." PEI Associates Report No. 89K009, 1990.[3]

Chatfield, E.J., "Ambient Atmospheres - Determination of Asbestos Fibres, Direct-Transfer Transmission Electron Microscopy Procedure (Working Draft)." Report, 1988.[2]

Chatfield, E.J., "Limits of Detection and Precision in Monitoring for Asbestos Fibers." Asbestos - Its Health Risks, Analysis, Regulation, and Control, APCA SP-57, pp. 79-90, 1987.[2]

Chatfield, E.J., "Limitations of Precision and Accuracy in Analytical Techniques Based on Fibre Counting." Asbestos Fibre Measurements in Building Atmospheres: Proceedings, Chatfield, E.J., ed., pp. 115-137, 1985.[2][5]

Chatfield, E.J., "Airborne Asbestos Levels in Canadian Public Buildings." Asbestos Fibre Measurements in Building Atmospheres: Proceedings, Chatfield, E.J., ed., pp. 177-208, 1985.[2][5]

Chatfield, E.J., "Overview of Measurement Procedures for Determination of Asbestos Fibres in Building Atmospheres." Asbestos Fibre Measurements in Building Atmospheres: Proceedings, Chatfield, E.J., ed., pp. 7-24, 1985.[2][5]

Chatfield, E.J., "Asbestos Measurements in Work Places and Ambient Atmospheres." Electron Microscopy in Forensic, Occupational, and Environmental Health Sciences, Bash & Millette, ed., pp. 149, 186, 1985.[2]

Chatfield, E.J., "Measurement of Asbestos Fibre Concentrations in Ambient Atmospheres." Report prepared for the Royal Commission on Matters of Health and Safety Arising from the Use of Asbestos in Ontario." May 1983.[2][5]

Chatfield, E.J., "Short Mineral Fibres in Airborne Dust." Short and Thin Mineral Fibres: Identification, Exposure, and Health Effects, Chatfield, E.J., et al, eds., Mineralogical Association of Canada, pp. 9-93, 1983.[1][2]

Chatfield, E.J., "Rapid Screening Technique for Detection of Asbestos Fibers in Water Samples." U.S. Environmental Protection Agency, EPA-600/4-83-041, NTIS PB83-262915, September 1983.[3]

Chatfield, E.J., "Fiber Definition in Occupational and Environmental Asbestos Measurements." Definitions for Asbestos and Other Health-Related Silicates, Philadelphia, PA, ASTM Special Technical Publication 834, pp. 119-138, October 13, 1982.[3]

Chatfield, EJ; Study No.9 " Measurement of Asbestos Fibre Concentrations in Workplace Atmospheres" Prepared for The Royal Commission on Matters of Health and Safety Arising from the Use of Asbestos in Ontario, November 1982.

Chatfield, E.J., "Measurement of Asbestos Fibres in the Work Place and in the General Environment." Short Course in Mineralogical Techniques of Asbestos Determination: Short Course Handbook, Ledoux, R.L., ed., Mineralogical Association of Canada, pp. 111-164, 1979.[1][2]

Chatfield, E.J., "Asbestos Background Levels in Three Filter Media Used for Environmental Monitoring." Report, Thirty-third Annual EMSA Meeting, pp. 276-277, 1975.[2]

Chatfield, E.J. and Berman, D.W. *Interim Superfund Method for the Determination of Asbestos in Ambient Air, Part 1: Method.* USEPA publication: 540/2-90/005a, May 1990.

Chatfield, E.J., "Rapid Screening Technique for Detection of Asbestos Fibers in Water Samples." U.S. Environmental Protection Agency, EPA-600/4-83-041, NTIS PB83-262915, September 1983.[3]

Chatfield EJ; Berman DW. Interim Superfund Method for the Determination of Asbestos in Ambient Air. Part 1: Method. Office of Solid Waste and Remedial Response. U.S. Environmental Protection Agency, Washington, D.C. EPA/540/2-90/005a. May. 1990.

Chatfield, E.J., Dillon, M.J., Stott, W.R., "Development of Improved Analytical Techniques for Determination of Asbestos in Water Samples." EPA-600/4-83-042, NTIS PB83-261651, September 1983.

Chatfield, E.J., Glass, R.W., "Analysis of Water Samples for Asbestos: Sample Storage and Technique Development Studies." Report, Symposium on Electron Microscopy in Microfibers, pp. 123-137, 1976.[2]

Chatfield, E.J., Glass, R.W., Dillon, M.J., "Preparation of Water Samples for Asbestos Fiber Counting by Electron Microscopy." U.S. Environmental Protection Agency, Environmental Research Laboratory, Office of Research and Development, EPA 600/4-78-011, 1978.[2]

Chatfield, E.J., Lewis, G.M., "Development and Application of an Analytical Technique for Measurement of Asbestos Fibers in Vermiculite." Scanning Electron Microscopy, Vol. 1, pp. 329, 1980.[2]

Chatfield, E.J., Lewis, G.M., "Examination of Vermiculite for the Presence of Asbestos Fibres." Ontario Research Foundation, Report No. 22-56-2, October 1979.[3]

Chen, C-H., "A Possible Influence of Mineral Fibers on Cigarette-Smoking-Induced Changes in Lipids and Lipid-Metabolizing Enzymes." Biological Interaction of Inhaled Mineral Fibers and Cigarette Smoke. Proceedings of an International Symposium/Workshop, held at the Battelle Seattle Conference Center, April 10-14, 1988.[3]

Chen, CR; Chang, HY; Suo, J; Wang, JD; "Occupational Exposure and Respiratory Morbidity Among Asbestos Workers in Taiwan." Journal of the Formosan Medical Association. Vol. 91, No. 12, pp. 1138-1142. Dec, 1992.

Chen YK. Ph.D. Dissertation. Mechanical and Aerospace Engineering, State University of New York at Buffalo. 1992.

Chen, YK; Yu, CP; "Deposition of Charged Fiber in the Human Lung." J Aerosol Sci. Vol. 24, No. 1, pp. S459-S460. 1993.

Cheng, W; Kong, J; "A Retrospective Mortality Cohort Study of Chrysotile Asbestos Products Workers in Tianjin 1972-1987." Environ. Res. Vol. 59, pp. 271-278. 1992.

Cherrie, J; Addison, J; Dodgen, J; "Comparative Studies of Airborne Asbestos in Occupational and Non-Occupational Environments Using Optical and Electron Microscope Techniques" IARC Sci Publ. (France) Vol.90, pp.304-309, 1989.

Cherrie, J.W., Dodgson, J., Grout, S., Maclaren, W., "Environmental Surveys in the European Man-Made Mineral Fiber Production Industry." Scand J Work Environ Health, Vol. 12, suppl 1., pp. 18-25, 1986.[3]

Cherrie, J.W., Dodgson, J., Groat, S., Carson, M., "Comparison of Optical and Electron Microscopy for Evaluating Airborne Asbestos." Inst. Occupational Medicine, Edinburgh, U.S. Dept. of Commerce, 1979.[1]

Chesson, J., "Response to Crump." Risk Analysis, Vol. 11, No. 3, pp. 371, 1991.[3]

Chesson, J., "Final Report: Comparison of Airborne Asbestos Levels Determined by Transmission Electron Microscopy (TEM) Using Direct and Indirect Transfer Techniques." Exposure Evaluation Division, Office of Substances, Office of Pesticides and Toxic Substances, U.S. Environmental Protection Agency, EPA 560/5-89-004, 1990.[3]

Chesson, J., "Guidelines for Conducting the AHERA TEM Clearance Test to Determine Completion of An Asbestos Abatement Project." U.S. Environmental Protection Agency, EPA 560/5-89-001, May 1989.

Chesson, J., "Analysis of Airborne Asbestos by TEM Definition of Terms - Draft." unpubl. 1988.[2]

Chesson, J., Berner, T., Price, B., "Asbestos in Buildings: Simplified Sampling Scheme for Friable Surfacing Materials." U.S. Environmental Protection Agency, EPA 560/5-85-030a, October 1985.[2]

Chesson, J., Chatfield, E.J., "Transmission Electron Microscopy Asbestos Laboratories Quality Assurance Guidelines." U.S. Environmental Protection Agency, Office of Pesticides and Toxic Substances, EPA 560/5-90-002, December 1989.[2]

Chesson, J., Hatfield, J., Schultz, B., Dutrow, E., Blake, J., "Airborne Asbestos in Public Buildings." Environmental Research, Vol. 51, pp. 100-107, 1990.[3]

Chesson, J., Margeson, D.P., Ogden, T., Bauer, K., Constant, P.C., Jr., Bergman, F.J., Rose, D.P., "Final Report on Task 4 - Evaluation of Asbestos Abatement Techniques Phase 2: Encapsulation with Latex Paint." Report, Exposure Evaluation Division, OTS, U.S. Environmental Protection Agency, ed., July 1986.

Chesson, J., Margeson, D.P., Ogden, T., Reichenbach, N.G., Bauer, R., Constant, P.C., Jr., Bergman, F.J., Rose, D.P., Atkinson, G.R., Lentzen, D.E., "Evaluation of Asbestos Abatement Techniques Phase 1: Removal." Report, OTS, U.S. Environmental Protection Agency, ed., U.S. Department of Commerce, NTIS, EPA 560/5-85-019, October 1985.

Chesson J; Rench JD; Schultz BD; Milne KL. Interpretation of Airborne Asbestos Measurements. *Risk Analysis.* 10(3):437–47. 1990.

Chesson, J; Schultz, BD; "Estimating the Risk of Disease Associated with Asbestos Exposure in Buildings" Running Head: Asbestos Exposure in Buildings, Draft, 1990.

Chiappino, G; Friedrichs, KH; Forni, A; Riolta, G; Todaro, A; "Alveolar and Lung Fibre Levels in Non-Occupationally Exposed Subjects" IARC SCI PUBL (France), Vol.90, pp.310-313.

Chiazze, L; Watkins, DK; "Adjustment for the Confounding Effect of Cigarette Smoking in an Historical Cohort Mortality Study of Workers in a Fiberglass Manufacturing Facility." Journal of Occupational and Environmental Medicine. Vol. 37, pp. 744-748. 1995.

Chiazze, L; Watkins, DK; "Epidemiology Studies of Synthetic Vitreous Fibers: Methods Used and Current Studies." Regulatory Toxicology and Pharmacology. Vol. 20, No. 3, pp. S58-S67. 1994.

Chissick, S.S., Derricott, R., eds., Asbestos - Properties, Applications, and Hazards, Vol. 2. John Wiley & Sons, 1979.(3)

Choe, N; Tanaka, S; Kagan, E; "Asbestos Fibers and Interleukin-1 Upregulate the Formation of Reactive Nitrogen Species in Rat Pleural Mesothelial Cells." American Journal of Resp Cell and Molecular Biology. Vol. 19, No. 2, pp. 226-236. 1998.

Choe N; Tanaka S; Xia; W; Hemenway DR; Roggli VI; Kagan E. Pleural Macrophage Recruitment and Activation in Asbestos-Induced Pleural Injury. *Environmental Health Perspectives.* 105(Suppl 5):1257–1260. September. 1997.

Choe N; Zhang J; Iwagaki A; Tanaka S; Hemenway DR; Kagan E. Asbestos Exposure Upregulates the Adhesion of Pleural Leukocites to Pleural Mesothelial Cells via VCAM-1. *American Journal of Physiology.* 277(2:Part 1):L292–L300. 1999.

Chowdhury, S., "Kinetics of Leaching of Asbestos Minerals at Body Temperature." Journal of Applied Chemical Biotechnology, Vol. 25, pp. 347-353, 1975.(2)

Chronic Hazard Advisory Panel on Asbestos, "Report to the U.S. Consumer Product Safety Commission." July 1983.

Chrostowski, P.C., Foster, S.A., "Recent Advances in Asbestos Assessment at Superfund Sites." Superfund '89, Proceedings of the 10th National Conference, November 27-29, 1989, Washington, D.C., pp. 547-551.(2)

Chrostowski, P.C., Foster, S.A., Anderson, E.L., Clement International Corporation, "Human Health Risks Associated with Asbestos Abatement." Risk Analysis, Vol. 11, No. 3, September 1991.(3)

Churg, A; "Non-Occupational Exposure to Chrysotile Asbestos and the Risk of Lung Cancer." New Engl J Med. Vol. 339, No. 14, pp. 999-1001-2. October 1998.

Churg, A; "Deposition and Clearance of Chrysotile Asbestos" Ann Occup Hyg Vol.38, No.4, pp.625-633, 1994.

Churg, A., "Chrysotile, Tremolite, and Malignant Mesothelioma in Man." Chest, Vol. 93, No. 3, pp. 621-628, 1988.[1][2]

Churg, A., "Reply to Dr. Dunnigan." American Journal of Industrial Medicine, Vol. 14, pp. 235-238, 1988.

Churg, A., "An Animal Model of Co-Exposure to Cigarette Smoke and Mineral Dust." Biological Interaction of Inhaled Mineral Fibers and Cigarette Smoke. Proceedings of an International Symposium/Workshop, held at the Battelle Seattle Conference Center, April 10-14, 1988.[3]

Churg, A., "Lung Asbestos Content in Long-term Residents of a Chrysotile Mining Town." American Review of Respiratory Disease, Vol. 134, pp. 125-127, 1986.[1][2]

Churg, A., "Nonasbestos Pulmonary Mineral Fibers in the General Population." Environmental Research, Vol. 31, pp. 189-200, 1983.

Churg, A; Stevens, B; "Enhanced Retention of Asbestos Fibers in the Airways of Human Smokers" Am J Respir Crit Care Med Vol.151, No.5, May 1995.

Churg, A., Stevens, B., "Association of Lung Cancer and Airway Particle Concentration." Environmental Research, Vol. 45, pp. 58-63, 1988.[1][2]

Churg, A; Sun, J-P; Zay, K; "Cigarette Smoke Increases Amosite Asbestos Fiber Binding to the Surface of Tracheal Epithelial Cells." American Journal of Physiology. Vol. 275, No. 3 Part 1, pp. L502-L508. 1998.

Churg, A., Warnock, M.L., "Review Article: Asbestos and Other Ferruginous Bodies; Their Formation and Clinical Significance." American Association of Pathologists, pp. 447-456, March 1981.[3]

Churg, A., Warnock, M.L., Green, N., "Analysis of the Cores of Ferruginous (Asbestos) Bodies from the General Population. II. True Asbestos Bodies and Pseudoasbestos Bodies." Laboratory Investigation, Vol. 40, pp. 31-38, 1979.

Churg, A., Wiggs, B., "Accumulation of Long Asbestos Fibers in the Peripheral Upper Lobe in Cases of Malignant Mesothelioma." American Journal of Industrial Medicine, Vol. 11, No. 5, pp. 563-569, 1987.[1][2]

Churg, A., Wiggs, B., "Fiber Size and Number in Workers Exposed to Processed Chrysotile Asbestos, Chrysotile Miners, and the General Population." American Journal of Industrial Medicine, Vol. 9, pp. 143-152, 1986.

Churg, A., Wiggs, B., "Fiber Size and Number in Amphibole Asbestos-Induced Mesothelioma." American Journal of Pathology, Vol. 115, pp. 437-442, 1984.[1][2]

Churg, A., Wiggs, B., Depaoli, L. Kampe, B., Stevens, B., "Lung Asbestos Content in Chrysotile Workers with Mesothelioma." American Review of Respiratory Disease, Vol. 130, pp. 1042-1045, 1984.[1][2]

Churg, A., Wright, J.L., DePaoli, K., Wiggs, B., "Mineralogic Correlates of Fibrosis in Chrysotile Miners and Millers." American Review of Respiratory Disease, Vol. 139, pp. 891-896, 1989.

Churg A; Wright JL; Stevens B. Exogenous mineral particles in the human bronchial mucosa and lung parenchyma. I. Nonsmokers in the general population. *Experimental Lung Research.* 16:159!175. 1990.

Churg, A; Wright, JL; Vedal, S; "Fiber Burden and Patterns of Asbestos-Related Disease in Chrysotile Miners and Millers." Am Rev Respir Dis. Vol. 148, pp. 25-31. 1993.

Churg, A; Wright, J; Wiggs, B; Depaoli, L; "Mineralogic Parameters Related to Amosite Asbestos-Induced Fibrosis in Humans."

Churg, A; Zay, K; Li, K; "Mechanisms of Mineral Dust-Induced Emphysema." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1215-1218. September, 1997.

Clark, P., "Aihl Method." Draft Test Method for Sampling and Analysis of Dust for Asbestos Structures by Transmission Electronic Microscopy. 1990.

Clark, TC; Harrington, VA; Asta, J; Morgan, WK; and Sargent, EN. "Respiratory effects of exposure to dust in taconite mining and processing. *Am Rev Repir Dis* 121(6): 959-966. 1980.

Clemmesen, J., Hjalgrim-Jensen, S., "Cancer Incidence Among 5686 Asbestos Cement Workers Followed from 1943-1976." Ecotoxicology and Environmental Safety, Vol. 5, pp. 15-23, 1981.[1][2]

Cloverdale Reveille, "'Fix It' or 'Burn' It May Be Only Choices," Vol. Feb 10, 1988.[2]

Coates, J.P., "Part One: IR Analysis of Toxic Dusts - Analyses of Collected Samples of Quartz and Asbestos." American Laboratory, Vol. Nov., pp. 105-111, 1977.[2]

Cocco, P; Dosemeci, M; "Peritoneal Cancer and Occupational Exposure to Asbestos: Results from the Application of a Job-Exposure Matrix." American Journal of Ind Med. Vol, 35, No. 1, pp. 9-14. 1998.

Cochrane, J.C., Webster, I., "Mesothelioma in Relation to Asbestos Fibre Exposure; A Review of 70 Serial Cases." South African Medical Journal, Vol. 54, pp. 279-281, 1978.

Coffin, DL; Cook, PM; Creason, JP; "Relative Mesothelioma Induction in Rats By Mineral Fibers: Comparison with Residual Pulmonary Mineral Fiber Number and Epidemiology." Inhalation Toxicology. Vol. 4, pp. 273-300. 1992.

Coffin, D.L., Palekar, L.D., Cook, P.M., "Correlation of in vitro and in vivo Methods by Means of Mass Dose and Fiber Distribution for Amosite and Fibrous Ferroactinolite." Environmental Health Perspectives, Vol. 41, pp. 49-53, 1983.[1][2]

Coggiola, M; Bosio, D; Pira, E; Piolatto, PG, La Vecchia, C; Negri, E; Michelazzi, M; and Bacaloni, A. *Am J Ind Med* 44(1): 63-69. 2003.

Coin, PG; Roggli, VL; Brody, AR; "Persistence of Long, Thin Chrysotile Asbestos Fibers in the Lungs of Rats" Environmental Health Perspectives Vol.102, Suppl.5, pp.197-199, 1994.

Coin, PG; Roggli, VL; Brody, AR; "Deposition, Clearance, and Translocation of Chrysotile Asbestos from Peripheral and Central Regions of the Rat Lung." Environ Research. Vol. 58, pp. 970-116. 1992.

Colberg, M., "A Method for the Analysis of Vinyl-Asbestos Floor Tiles." National Asbestos Comment Journal, Vol. Spring 7, No. 1, pp. 17-19, 1989.

Coleman, RG; "New Idria Serpentinite: A Land Management Dilemma" Environmental & Engeneering Geoscience Vol.2, No.1, pp.9-22, 1996.

Collier, et. al. "Potential Adverse Effects of Chlorinated Compounds." Regulatory Toxicology and Pharmacology. Vol. 20, pp. S89-S103. 1994.

Commins, B.T., "The Significance of Asbestos and Other Mineral Fibres in Environmental Ambient Air." Report, Commins Associates, Berkshire, England, publ., 1985.

Commins, B.T., Gibbs, G.W., "Contaminating Organic Material in Asbestos." British Journal of Cancer, Vol. 23, No. 2, pp. 358-362, 1969.[1][2]

Committee on Environmental Hazards, "Asbestos Exposure in Schools." Pediatrics, Vol. 79, No. 2, pp. 301-305, 1987.[2]

Conkle, J.P., "Sampling and Analysis of Atmospheric Contaminants." Proceedings of the Conference on Atmospheric Contamination in Confined Spaces, 30 March - 1 April 1965, Air Force Systems Command, publ., Vol. Dec., pp. 248-266, 1986.

Connelly, R.R., Spirtas, R., Myers, M.H., Percy, C.L., Fraumeno, J.F., "Demographic Patterns for Mesothelioma in the United States." JNCJ, Vol. 78, No. 6, pp. 1053-1060, 1987.[2]

Constant, P.C., Jr., Bergman, F.J., Atkinson, G.R., Rose, D.R., Watts, D.L., Logue, E.E., Hartwell, T.D., Price, B.P., Ogden, J.S., "Airborne Asbestos Levels in Schools." U.S. Environmental Protection Agency, Office of Pesticides and Toxic Substances, Office of Toxic Substances, Exposure Evaluation Division, EPA 560/5-83-003, NTIS PB84-129683, June 1983.[3]

Constantopoulos, SH; Malamou-Mitsi, VD; Goudevenos, JA; Papathanasiou, MP; Pavlidis, NA; Papadimitriou, CS; "High Incidence of Malignant Pleural Mesothelioma in Neighbouring Villages of Northwestern Greece." Respiration. Vol. 51, pp. 266-271. 1987.

Constantopoulos, SH; Theodoracopoulos, PT; Dascalopoulos,P; Dascalopoulus, G; Saratzis, N; Sideris, K; "Mersovo Lung Outside Metsovo: Endemic Pleural Calcifications in the Ophiolite Belts of Greece." Chest. Vol. 99, No. 5, pp. 1158-1161. May, 1991.

Cook, P.M., "Preparation of Extrapulmonary Tissues and Body Fluids for Quantitative Transmission Electron Microscope Analysis of Asbestos and Other Mineral Fibre Concentrations." Annals New York Academy of Sciences, Vol. 330, pp. 717-724, 1979.[2]

Cook, P.M., Glass, G.E., Tucker, J.H., "Asbestiform Amphibole Minerals: Detection and Measurement of High Concentrations in Municipal Water Supplies." Science, Vol. 185, pp. 853-855, 1974.[2]

Cook, P.M., Longrie, D.L., "Determination of Asbestos and Other Inorganic Particle Concentrations in Urine." Electron Microscopy and X-Ray Applications to Environmental and Occupational Health Analysis. Russell, P.A., ed., Vol. 2, pp. 219-231.[2]

Cook, P.M., Marklund, D.R., "Sample Preparation for Quantitative Electron Microscope Analysis of Asbestos Fiber Concentrations." Report, National Bureau of Standards Publ. #619, U.S. Department of Commerce, pp. 53-67, 1980.[2]

Cook, P.M., Olson, G.F., "Ingested Mineral Fibres: Elimination in Human Urine." Science, Vol. 204, pp. 195-198, 1979.[1][2]

Cook, P.M., Palekar, L.D., Coffin, D.L., "Interpretation of the Carcinogenicity of Amosite Asbestos and Ferroactinolite on the Basis of Retained Fibre Dose and Characteristics in vivo." Toxicology Letters, Vol. 13, pp. 151-158, 1982.[1][2]

Cooke, P., "Asbestos Detection in Floor Tiles [short review]." McCrone Research Institute, publ.

Cooper, D.W., Sullivan, J.S., Quinn, M., Antonelli, R.C., Schneider, M., "Setting Priorities for Control of Fugitive Particulate Emissions from Open Sources." U.S. Environmental Protection Agency, EPA 600/7-79-186, U.S. Department of Commerce/NTIS, publ., August 1979.

Cooper, S., Fraire, A.E., Buffler, P.A., Greenberg, S.D., Langston, C., "Epidemiologic Aspects of Childhood Mesothelioma." Pathological Immunopathol Res, Vol. 8, pp. 276-286, 1989.

Cooper, W.C., Murchio, J., Popendorf, W., Wenk, H.R., "Chrysotile Asbestos in California Recreational Area." Science, Vol. 206, pp. 685-688, 1979.[2]

Cooper, W.C., Wong, O., Graebner, R., "Mortality of Workers in two Minnesota Taconite Mining and Milling Operations." Journal of Occupational Medicine, Vol. 30, No. 6, pp. 506-511, 1988.

Cooper, WC; Wong, O; Trent, LS; Harris, F; "An Updated Study of Taconite Miners and Millers Exposed to Silica and Non-Asbestiform Amphiboles." JOM Vol. 34, No. 12, pp. 1173-1180. December, 1992.

Coplu, L; Dumortier, P; Demir, AU; Selcuk, ZT; Kalyoncu, F; Kisacik, G; DeVuyst, P; Sahin, AA; Baris, YI; "An Epidemiological Study in an Anatolian Village in Turkey Environmentally Exposed to Tremolite Asbestos." Journal of Environmental Pathology and Oncology. Vol. 15, No. 2-4, pp. 177-182. 1996.

Corbitti, J., "Evaluation of Particulate Emission Factors for Vehicle Tire Wear." Report, U.S. Environmental Protection Agency Monitoring and Data Analysis Division, EPA 450/4-79-011, U.S. Department of Commerce/NTIS, publ., 1979.[2]

Corn, M; "Airborne Concentrations of Asbestos in Non-Occupational Environments." Ann Occup Hyg. Vol. 38, No. 4, pp. 495-502. August, 1994.

Corn, M; "Issues Related to the Potential Health Hazard of Asbestos Containing Materials in Buildings" Symposium on Health Aspects of Exposure to Asbestos in Buildings pp.31-46 December 1989.

Corn, M., Crump, K., Farrar, D.B., Lee, R.J., McFee, D.R., "Airborne Concentrations of Asbestos in 71 School Buildings." Regulatory Toxicology and Pharmacology, Vol. 13, pp. 99-114, 1991.[3]

Cossette, M., "Defining Asbestos Particulates for Monitoring Purposes." Definitions for Asbestos and Other Health-Related Silicates, Philadelphia, PA, ASTM Special Technical Publication 834, pp. 5-51, October 13, 1982.[3]

Cossette, M., Delvaux, P., "Technical Evaluation of Chrysotile Ore Bodies." Report, Short Course on Mineralogical Techniques of Asbestos Determination: Short Course Handbook, LeDoux, R.L., ed., Mineralogical Assoc. of Canada, pp. 79-110, 1979.[5]

Costa, DL; Dreher, KL; "Bioavailable Transition Metals in Particulate Matter Mediate Cardiopulmonary Injury in Healthy and Compromised Animal Models." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1053-1060. September, 1997.

Cowherd, C., Jr., "A New Approach to Estimating Wind-Generated Emissions from Coal Storage Piles." A Specialty Conference on: Fugitive Dust Issues in the Coal Use Cycle, pp. 4-16, April 11-13, 1983.[3]

Cowherd, C., Jr., Englehart, P.J., "Size Specific Particulate Emission Factors for Industrial and Rural Roads/Source Category Report." U.S. Environmental Protection Agency/ORD, EPA 600/7-85/051, U.S. Department of Commerce/NTIS, 1985.[2]

Cowherd, C., Jr., Guenther, C.M., Wallace, D.D., "Emissions Inventory of Agricultural Tilling, Unpaved Roads and Airstrips, and Construction Sites." U.S. Environmental Protection Agency, EPA 450/3-74-085, U.S. Department of Commerce/NTIS, November 1974.

Cowherd, C Jr et al.; *Development of Emission Factors for Fugitive Dust Sources. Final Report.* Prepared by Midwest Research Institute for U.S. Environmental Protection Agency, Contact# 68-02-0619. EPA-450/3-74-037. June, 1974.

Cowherd, C., Jr., Maxwell, C.M., Nelson, D.W., "Quantification of Dust Entrainment from Paved Roadways." Report. U.S. Environmental Protection Agency, Office of Air and Waste Management, EPA 450/3-77-027, U.S. Department of Commerce/NTIS, 1977[2]

Cowherd, C., Jr., Muleski, G.E., Englehart, P.J., Gillette, D.A., "Rapid Assessment of Exposure to Particulate Emissions from Surface Contamination Sites." Report, U.S. Environmental Protection Agency/ORD, EPA 600/8-85/002, February 1985.

Cox D. and Lindley, D., Theoretical Statistics. Chapman and Hall, London, 1974.[1]

Cox D; Oakes DV. *Analysis of Survival Data.* Cox DR; Hinkley DV (eds.). Chapman and Hall, London. 1984.

Crable, J.V., "Quantitative Determination of Chrysotile, Amosite, and Crocidolite by X-Ray Diffraction." American Industrial Hygiene Association Journal, Vol. May-June, pp. 293-298, 1966.[2]

Crable, J.V., Knott, M.J., "Quantitative X-Ray Diffraction Analysis of Crocidolite and Amosite in Bulk or Settle Dust Samples." American Industrial Hygiene Association Journal, Vol. 27, No. 5, pp. 449-453, 1966.[2]

Craighead, J., "Response to Dr. Dunnigan's Commentary." American Journal of Industrial Medicine, Vol. 14, pp. 241-243, 1988.

Craighead, J.E., Abraham, J.L., Chrug, A., Green, F.H.Y., Kleinerman, J., Pratt, P.C., Seemayer, T.A., Vallyathan, V., Weill, H., "The Pathology of Asbestos-Associated Diseases of the Lungs and Pleural Cavities: Diagnostic Criteria and Proposed Grading Schema. Report of the Pneumoconiosis Committee of the College of American Pathologists and the National Institute for Occupational Safety and Health." Arch Pathol Lab Med, Vol. 106, pp. 544-596, October 8, 1982.[3]

Craighead, J.E., Mossman, B.T., "Parthenogenesis of Mesothelioma." Asbestos Related Malignancy, Antman, K. and Aisner, J., eds., Grune and Stratton, pp. 151-162, 1986.[1][2]

Crandlemere, R.W., Azrael, D., Evans, M.S., Brown, S., "PCM and TEM Evaluation of Disturbance Testing of Asbestos "Popcorn" Type Acoustical Ceilings." Journal of National Asbestos Council, Vol. 7, No. 2, pp. 47-51, 1989.[2]

Crankshaw, SO; Perkin, RL; Beard, EB; "Quantitative Evaluation of The Relative Effectiveness of Various Methods for the Analysis of Asbestos in Settled Dust" EIA Technical Journal pp.6-12 Summer 1996.

Crawford, N.P., "Fibre Assessment Standards of UK Laboratories Engaged in Asbestos Monitoring." Asbestos Fibre Measurements in Building Atmospheres" Proceedings, Chatfield, E.J., ed., pp. 61-68, 1985.[5]

Crawford, N.P., Thorpe, H.L., Alexander, W., "A Comparison of the Effects of Different Counting Rules and Aspect Ratios on the Level and Reproducibility of Asbestos Fiber Counts, Part 2: Effects on Reproducibility." Institute of Occupation Medicine, Edinburgh, Report No. TM/82/24, 1982.[2]

Crump KS. The effect of random error in exposure measurement upon the shape of the exposure response. Dose Response Volume 3, Number 4: 456-464. 2005.

Crump KS. Benchmark Analysis. Encyclopedia of Environmetrics. John Wiley & Sons. West Sussex, U.K. pp. 163-170. 2002.

Crump, K.S., "Letter to the Editor: Comments on Chesson et al." Risk Analysis, Vol. 11, No. 3, pp. 367-369, 1991.[3]

Crump, K.S., "Letter to the Editor of Risk Analysis." October 1990.[3]

Crump, K.S., "Asbestos Potency Assessment for EPA Hearing." Report prepared for Asbestos Information Association, North America, pp. 1-116, 1986.[2]

Crump, K.S., Allen, B.C., Howe, R.B., Crockett, P.W., "Time-Related Factors in Quantitative Risk Assessment." Journal of Chron. Dis., Vol. 40, No. 2, pp. 101S-111S, 1987.

Crump, K.S., Crockett, P.W., "Improved Confidence for Low-Dose Carcinogenic Risk Assessment From Animal Data." Journal of Hazardous Materials, Vol. 10, pp. 419-431, 1985.[2]

Crump, K.S., Farrar, D.B., "Statistical Analysis of Data on Airborne Asbestos Levels Collected in an EPA Survey of Public Buildings." Regulatory Toxicology and Pharmacology, Vol. 10, pp. 51-62, February 7, 1989.[3]

Crump, K.S., Hoel, D.G., Langley, C.H., Peto, R., "Fundamental Carcinogenic Processes and Their Implications for Low Dose Risk Assessment." Cancer Research, Vol. 36, pp. 2973-2979, 1976.[1][2]

Cullen, M.R., "Controversies in Asbestos-Related Lung Cancer." Occupational Medicine, Vol. 2, No. 2, pp. 259-272, 1987.[2]

Cullen, MR; Baloyi, RS; "Chrysotile Asbestos and Health in Zimbabwe: !. Analysis of Miners and Millers Compensated for Asbestos-Related Diseases Since Independence (1980)." Am J Ind Med. Vol. 19, No. 2, pp. 161-169. 1991.

Cunningham, H.M., Pontefract, R.D., "Placental Transfer of Asbestos." Nature, Vol. 249, , pp. 177-178, May 10, 1974.[3]

Cuscino, T.A., Kinsey, J.S., Hackney, R., Bohn, R., Roberts, R.M., "The Role of Agricultural Practices in Fugitive Dust Emissions." CA State Air Resources Board, ed., U.S. Department of Commerce/NTIS, PB81-219073, June 1981.

Dachille, F., Rustum, R., "High-Pressure Phase Transformations in Laboratory Mechanical Mixers and Mortars." Nature, Vol. 186, No. 4718, pp. 34 and 71, 1960

Dagbert, M., "Study of the Correlations of Measures of Dust Levels in the Asbestos Industry (Total Dust vs. Fibers >5mm)." Translated by Daffer, P.T., Science Research Systems, Inc., 1976.[3]

Dahl, J., "Perilous Policy: Canada Encourage Mining of Asbestos, Sells to Third World." Wall Street Journal, Vol. September 12, pp. A1/A24, 1989.[2]

Dalal, N.S., Hu., X.N., Vallyathan, V., "The Chemical Properties of Silica Particle Surface in Relation to Silica-Cell Interactions." Journal of Toxicology and Environmental Health, Vol. 27, pp. 435-454, 1989.[2]

Davies, C.N., "The Entry of Aerosols into Sampling Tubes and Heads." British Journal of Applied Physics, Vol. 1, No. 2, pp. 921-932, 1968.[2]

Davies, D., "Are All Mesotheliomas Due to Asbestos?" British Medical Journal, Vol. 289, pp. 1164-1165, 1984.[2]

Davis, J.M.G., "Mineral Fibre Carcinogenesis: Experimental Data Relating to the Importance of Fibre Type, Size, Deposition, Dissolution and Migration." IARC Sci Publ., #90, pp. 33-45, 1989.[3]

Davis, J.M.G., "On the Statement by Jacques Dunnigan." American Journal of Industrial Medicine, Vol. 14, pp. 629-630, 1988.

Davis, J.M.G., "Factors Affecting the Carcinogenicity of Mineral Fibers and Their Relationship to the Synergistic Effects of Tobacco Smoke." Biological Interaction of Inhaled Mineral Fibers and Cigarette Smoke. Proceedings of an International Symposium/Workshop, held at the Battelle Seattle Conference Center, April 10-14, 1988.[3]

Davis, J.M.G., "Carcinogenicity of Kevlar Aramid Pulp Following Intraperitoneal Injection into Rats." Institute of Occupational Medicine, Edinburgh, Scotland, Report No. TM/87/12, 1987.[1][2]

Davis, J.M.G., "Experimental Data Relating to the Importance of Fiber Type, Size, Deposition, Dissolution, and Migration." Presented at the Mineral Fiber Symposium, Lyons, France, 1987.[1][2]

Davis, J.M.G., "A Review of Experimental Evidence for the Carcinogenicity of Man-made Vitreous Fibers." Scandinavian Journal of Work Environmental Health, Vol. 12, Suppl. 1, pp. 12-17, 1986.[1][2]

Davis, J.M.G., "Review of Animal Experiments," Proceedings of the Fifth Colloquium on Dust Measuring Technique and Strategy." Johannesburg, South Africa, October 29-31, 1984, Baunach, F., ed., SAAPAC, Johannesburgh, pp. 25-38, 1985.[1][2]

Davis, J.M.G., "Pathological Aspects of the Injection of Glass Fiber into the Pleural and Peritoneal Cavities of Rats and Mice." HEW/NIOSH 76-151, pp. 141-149, 1976.[1][2]

Davis, J.M.G., Addison, J., Bolton, R.E., Donaldson, K., Jones, A.D., "Inhalation and Injection Studies in Rats Using Dust Samples from Chrysotile Asbestos Prepared by a Wet Dispersion Process." British Journal of Pathology, Vol. 67, pp. 113-129, 1986.[1][2]

Davis, J.M.G., Addison, J., Bolton, R.E., Donaldson, K., Jones, A.D., Miller, B.G., "Inhalation Studies on the Effects of Tremolite and Brucite Dust in Rats." Carcinogenesis, Vol. 6, No. 5, pp. 667-674, 1985.[1][2]

Davis, J.M.G., Addison, J., Bolton, R., Donaldson, K., Jones, A.D., Smith, T., "The Pathogenicity of Long Versus Short Fibre Samples of Amosite Asbestos Administered to Rats by Inhalation and Intraperitoneal Injection." British Journal of Experimental Pathology, Vol. 67, pp. 415-430, 1986.[1][2]

Davis, JMG; Addison, J; Bolton, RE; Donaldson, K; Jones, AD; Wright, A; "The Pathogenic Effects of Fibrous Ceramic Aluminium Silicate Glass Administered" Chapter 50, pp.303-322, no date.

Davis, J.M.G., Addison, J., Bolton, R., Donaldson, K., Jones, A.D., Wright, A., "The Pathologenic Effects of Fibrous Ceramic Aluminum Silicate Glass on Rats." IARC Euro-Reports and Studies, Vol. 81, pp. 124+, 1983.[1][2]

Davis, JMG; Addison, J; McIntosh, C; Miller, BG; Niven, K; "Variations in the Carcinogenicity of Tremolite Dust Samples of Differing Morphology." Annals New York Academy of Sciences. pp. 473-490. 1991.

Davis, J.M.G., Addison, J., McIntosh, C., Miller, B.G., Niven, K., "Variations in the Carcinogenicity of Tremolite Dust Samples of Differing Morphology." Report.

Davis, J.M.G., Beckett, S.T., Bolton, R.E., Collings, P., Middleton, A.P., "Mass and Number of Fibres in the Pathogenesis of Asbestos-Related Lung Disease in Rats." British Journal of Cancer, Vol. 37, pp. 673-688, 1978.[1][2]

Davis, J.M.G., Beckett, S.T., Bolton, R.E., Donaldson, K., "A Comparison of the Pathological Effects in Rats of the UICC Reference Samples of Amosite and Chrysotile with Those of Amosite and Chrysotile Collected from the Factory Environment." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, pp. 285-292, 1980.[1][2]

Davis, J.M.G., Bolton, R.E., Brown, D., Tully, H.E., "Experimental Lesions in Rats Corresponding to Advanced Human Asbestosis." Exposure Molecular Pathology, Vol. 44, No. 2, pp, 207-221, 1986.[1][2]

Davis, J.M.G., Bolton, R.E., Douglas, A.N., Jones, A.D., Smith, T., "Effects of Electrostatic Charge on the Pathogenicity of Chrysotile Asbestos." British Journal of Industrial Medicine, Vol. 45, No. 5, pp. 292-299, 1988.[1][2]

Davis, J.M.G., Bolton, R.E., Miller, B.G., Niven, K., "Mesothelioma Dose Response Following Intraperitoneal Injection of Mineral Fibres." Int. J. Exp. Path., Vol. 72, pp. 263-274, 1991.[3]

Davis, JMG; Cowie, HA; "The Relationship Between Fibrosis and Cancer in Experimental Animals Exposed to Asbestos and Other Fibers." Environmental Health Perspectives. Vol. 88, pp. 305-309. 1990.

Davis, J.M.G., Gylseth, G., Morgan, A., "Assessment of Mineral Fibres from Human Lung Tissue." Thorax, Vol. 41, pp. 167-175, 1986.[1][2]

Davis, J.M.G., Jones, A.D., "Comparisons of the Pathogenicity of Long and Short Fibres of Chrysotile Asbestos in Rats." British Journal of Exposure Pathology, Vol. 69, pp. 717-737, 1988.[1][2]

Davis, J.M.G., Jones, A.D., Smith, T., "Comparisons of the Pathogenicity of Long and Short Fibres of Chrysotile Asbestos in Rats." Institute for Research and Development of Asbestos, Montreal, ed., Institute of Occupational Medicine, publ., Report No. TM-87/08, 1987.[2]

Davis, J.M.G., McDonald, J.C., "Low Level Exposure to Asbestos: Is There a Cancer Risk?" British Journal of Industrial Medicine, Vol. 45, 1988.[1][2]

Dawson, A; Gibbs, A; Browne, K; Pooley, Fred; Griffiths, M; "Familial Mesothelioma - Details of 17 Cases with Histopathologic Findings and Mineral Analysis" Cancer Vol.70, No.5, pp.1183-1187, 1992.

Decker, J.A., Woo, N., McDonald, A.M., "Environmental Asbestos: Problems Associated with PLM Soil Analysis." Sampling and Monitoring, U.S. Environmental Protection Agency, publ., pp. 145-149, 1989.[2]

de Klerk N. Unpublished Raw Data Provided to Dr. Wayne Berman by Dr. Nick de Klerk from Study of Crocidolite Miners in Wittenoom, Australia, originally described in Armstrong et al. (1988) but with followup extended through 1999. 2001.

De Klerk, N.H., Armstrong, B.K., Must, A.W., Hobbs, M.S.T., "Cancer Mortality in Relation to Measures of Occupational Exposure to Crocidolite at Wittenoom Gorge in Western Australia." British Journal of Industrial Medicine, Vol. 46, pp. 529-536, 1989.[3]

de Klerk NH; Musk AW; Armstrong BK; Hobbs MST. Diseases in Miners and Millers of Crocidolite from Wittenoom, Western Australia: A Further Followup to December 1986. *Annals of Occupational Hygiene*. 38(Suppl 1):647!655. 1994.

De Klerk, NH; Musk, AW; Williams, V; Filion, PR; Whitaker, D; Shilkin, KB; "Comparison of Measures of Exposure to Asbestos in Former Crocidolite Workers from Wittenoom Gorge, W. Australia." Am J Ind Med. Vol. 30, No. 5, pp. 579-87. November, 1996.

Dement, JM; "Carcinogenicity of Chrysotile Asbestos: A Case Control Study of Textile Workers." Cell Biology and Toxicology. Vol. 7, No. 1, pp. 59-65. 1991.

Dement, JM; "Talc and Asbestos Mortality Studies." Health Issues Related to Metal and Nonmetallic Mining. Chapter 11, pp. 183-210. 1983.

Dement JM. Estimation of Dose and Evaluation of Dose-Response in a Retrospective Cohort Mortality Study of Chrysotile Asbestos Textile Workers. Ph.D. Thesis. The University of North Carolina at Chapel Hill. 1980.

Dement, J.M., Bierbaum, P.J., Zumwalde, R.D., "Fiber Identification and Length Distribution for Airborne Asbestos Fibers in an Insulation Manufacturing Facility, Pittsburgh Corning Corporation, Tyler, Texas." NTIS No. PB83-156117, NIOSH, 1973.[1][2]

Dement, JM; Brown, DP; "Cohort Mortality and Case-Control Studies of White Male Chrysotile Asbestos Textile Workers." Journal of Clean Technology Environmental Toxicology and Occupational Medicine. Vol. 7, No. 4, pp. 413-419. 1998.

Dement, JM; Brown, DP; "Lung Cancer Mortality Among Asbestos Textile Workers: A Review and Update." Ann Occup Hyg. Vol. 38, pp. 525-532. 1994.

Dement, JM; Brown, DP; Okun, A; "Follow-Up Study of Chrysotile Asbestos Textile Workers: Cohort Mortality and Case-Control Analysis." American Journal of Industrial Medicine. Vol. 26, pp. 431-447. 1994.

Dement, J.M., Harris, R.L., "Estimates of Pulmonary and Gastrointestinal Deposition for Occupational Fiber Exposure." NTIS No. PB80-149644, U.S. HEW Contract #78-2438, 1979.[(1)(2)]

Dement, J.M., Harris, R.L., Symons, M.J., Shy, C.M., "Exposures and Mortality Among Chrysotile Workers. Part I: Exposure Estimates." American Journal of Industrial Medicine, Vol. 4, pp. 399-419, 1983a.[(1)(2)]

Dement, J.M., Harris, R.L., Symons, M.J., Shy, C.M., "Exposures and Mortality Among Chrysotile Workers. Part II: Mortality." American Journal of Industrial Medicine, Vol. 4, pp. 421-433, 1983b.[(1)(2)]

Dement, J.M., Harris, R.L., Symons, M.J., Shy, C.M., "Estimates of Dose-Response for Respiratory Cancer Among Chrysotile Asbestos Textile Workers." Annals Occupational Hygiene, Vol. 26, No. 1-4, pp. 869-887, 1982.[(1)(2)]

Dement, J.M., Shuler, P.J., Zumwalde, R.D., "Fibre Exposure During Use of Baby Powder." Division of Field Studies and Clinical Investigation, NIOSH, Publication #PB 81-225989, 1972.[(1)(2)]

Dement, J.M., Wallingford, K.M., "Comparison of Phase Contrast and Electron Microscopic Methods for Evaluation of Occupational Asbestos Exposures." Appl. Occup. Environ. Hyg., Vol. 5, No. 4, pp. 242-247, April 1990.[(3)]

Dement, J.M., Zumwald, R.D., "Industrial Hygiene Study of the Gouverneur Talc Company, Number One Mine and Mill at Balmat, New York." NTIS No. PB 81-224719, Div. Surveillance, Haz. Eval., NIOSH, 1976.[(1)(2)]

Dement, JM; Zumwaldel, RD; Gamble, JF; Fellner, W; DeMeo, MJ; Brown, DP; Wagoner, JK; Occupational Exposure to Talc Containing Asbestos: Morbidity, Mortality, and Environmental Studies of Miners and Millers. US Department of Health, Education, And Welfare. Public Health Service. Center for Disease Control. National Institute for Occupational Safety and Health. February, 1980.

Denizeau, F., Marion, M., Chevalier, G., Cote, M.G., "Inability of Chrysotile Asbestos Fibers to Modulate the 2-Acetylaminofluorene-Induced UDS in Primary Cultures of Rat Hepatocytes." Mutation Research, Vol. 155, pp. 83-90, 1985.

Deruyttere, A., Helsen, J., Baeten, J., "Characterization and Properties of Asbestos-Cement Dust." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications No. 30, Vol. 1, pp. 43-52, 1980.[2]

Deshazo, R., Morgan, J., Bozelka, B., Chapman, Y., "Natural Killer Cell Activity in Asbestos Workers: Interactive Effects of Smoking and Asbestos Exposure." Chest, Vol. 94, pp. 482-485, 1988.[2]

De Vuyst, P; Dumortier, P; Jacobovitz, D; Emri, S; Coplu, L; Baris, YI; "Environmental Asbestosis Complicated by Lung Cancer." Chest. Vol. 105, No. 5, pp. 1593-1595. May, 1994.

De Vuyst, P; Karjalainen, A; Dumortier, P; Pairon, J-C; Monso, E; Brochard, P; Teschler, H; Tossavainen, A; Gibbs, A; "ERS Task Force Report: Guidelines for Mineral Fibre Analyses in Biological Samples - Report of the ERS Working Group." European Respiratory Journal. Vol. 11, No. 6, pp. 1416-1426. 1998.

Dewees, DN; "Economic Issues in Asbestos Control in Buildings" Symposium on Health Aspects of Exposure to Asbestos in Buildings pp.71-90 December 1989.

Dimenza, L., Hirsch, A., Sebastien, P., Gaudichet, A., Bignon, J., "Assessment of Past Asbestos Exposure in Patients: Occupational Questionnaire vs. Monitoring in Broncho-Alveolar Lavage." Biological Effects of Mineral Fibres, Wagner J.C., ed., IARC Scientific Publications, Vol. 2, No. 30, pp. 609-614, 1980.[5]

Dixon, GH; Doria, J; Freed, JR; Wood, P; Max, I; Chambers, T; Desai, P; "Exposure Assessment for Asbestos-Contaminated Vermiculite." EPA 560/5-85-013. 1985.

Dixon, J.R., Lowe, D.B., Richards, D.E., Cralley, L.J., Stokinger, H.E., "The Role of Trace Metals in Chemical Carcinogenesis: Asbestos Cancers." Cancer Research, Vol. 30, pp. 1068-1074, 1970.[2]

Dodgson, J., Ottery, J., Cherrie, J.W., Harrison, G.E., "Fibre Concentrations and Size Distributions of Airborne Fibres in Several European Man-Made Mineral Fibre Plants." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, pp. 913-926, 1980.[1][5]

Dodson, R.F., Ford, J.O., "Early Response of the Visceral Pleura Following Asbestos Exposure: An Ultrastractural Study." Journal of Toxicology and Environmental Health, Vol. 15, pp. 673-686, 1985.

Dodson, R.F., Greenberg, D., Williams, M.G., Corn, C.J., O'Sullivan, M.F., Hurst, G.A., "Asbestos Content in Lungs of Occupationally and Nonoccupationally Exposed Individuals." JAMA, Vol. 252, No. 1, pp. 68-71, July 6, 1984.[3]

Dodson, R.F., Williams, M.G., Corn, C.J., Brollo, A., Bianchi, C., "Asbestos Content of Lung Tissue, Lymph Nodes, and Pleural Plaques from Former Shipyard Workers." Am Rev Respir Dis, Vol. 142, pp. 843-847, 1990.[3]

Dodson, RF; Williams, MG; Huang, J; Bruce, JR; "Tissue Burden of Asbestos in Nonoccupationally Exposed Individuals From East Texas." American Journal of Ind Med. Vol. 35, No. 3, pp. 281-286. 1999.

Doll, R., "The Quantitative Significance of Asbestos Fibers in the Ambient Air." Advances in Aerobiology, Vol. 51, pp. 213-219, Boehm, G., Leuschner, R.M., eds., Birkhauser Verlag, publ., 1987.[2]

Doll, R., Peto, J., "Asbestos: Effects on Health of Exposure to Asbestos." Health and Safety Commission, London, United Kingdom, 1985.[1][2]

Doll, R., Peto, R., "The Causes of Cancer: Quantitative Estimates of Avoidable Risks of Cancer in the United States Today." JNCI, Vol. 66, No. 6, 1981.

Doll R; Peto R. Cigarette Smoking and Bronchial Carcinoma: Dose and Time Relationships Among Regular Smokers and Lifelong Non-Smokers. *Journal of Epidemiology and Community Health.* 32:303–313. 1978.

Donaldson, K., Bolton, R.E., Jones, A., Brown, G.M., Robertson, M.D., Slight, J., Cowie, H., Davis, J.M.G., "Kinetics of the Bronchoalveolar Leucocyte Response in Rats During Exposure to Equal Airborne Mass Concentrations of Quartz, Chrysotile Asbestos, or Titanium Dioxide." Thorax, Vol. 43, pp. 525-533, 1988.[1][2]

Donaldson, K., Brown, G.M., Brown, D.M., Bolton, R.E., Davis, J.M.G., "Inflammation Generating Potential of Long and Short Fibre Amosite Asbestos Samples." British Journal of Industrial Medicine, Vol. 46, pp. 271-276, 1989.

Donaldson, K., Slight, J., Hannant, D., Bolton, R.E., "Incrased Release of Hydrogen Peroxide and Superoxide Anion from Asbestos-Primed Macrophages." Inflammation, Vol. 9, No. 2, pp. 139-147, 1985.

Doniach, I., Sweetenham, K.V., Hathorn, M.K.S., "Prevalence of Asbestos Bodies in a Necropsy Series in East London: Association with Disease, Occupation, and Domiciliary Address." British Journal of Industrial Medicine, Vol. 32, pp. 16-30, 1975.

Dopp, E; Schiffmann, D; "Analysis of Chromosomal Alterations Induced by Asbestos and Ceramic Fibers." Toxicology Letters (Shannon). Vol. 96-97, No Spec. Issue. Pp. 155-162. 1998.

Dorling, M; Zussman, J; "Characteristics of Asbestiform and Non-Asbestiform Calcic Amphiboles." Lithos. Vol. 20, pp. 467-489. 1987.

Drew, R.T., Kuschner, M., Bernstein, D.M., "The Chronic Effects of Exposure of Rats to Sized Glass Fibers." Ann. Occupational Hygiene, Vol. 31, No. 4B, pp. 711-729, 1987.[2]

Driscoll, KE; Carter, JM; Hassenbein, DG; Howard, B; "Cytokines and Particle-Induced Inflammatory Cell Recruitment." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1159-1164. September, 1997.

Driscoll, R.J., Mulligan, W.J., Schultz, D., Candelaria, A., "Malignant Mesothelioma: A Cluster in a Native American Pueblo." The New England Journal of Medicine, Vol. 318, No. 22, pp. 1437-1438, 1988.[2]

Dubes, G., Mack, L., "Asbestos-Medicated Transfection of Mammalian Cell Cultures." In Vitro Cellular and Developmental Biology, Vol. 24, No. 3, pp. 175-182, 1988.

Dufour, G., "Indoor Asbestos Air Pollution from Floor Tiles." Report of the proceedings at the workshop on the monitoring and evaluation of an abatement program held at NBS, Gaithersburg, MD., March 1984, U.S. Environmental Protection Agency, 1984.[2]

Dufresne, A; Begin, R; Masse, S; Dufresne, CM; Loosereewanich, P; Perrault, G; "Retention of Asbestos Fibres in Lungs of Workers with Asbestosis, Asbestosis and Lung Cancer, and Mesothelioma in Asbestos Township." Occup Environ Med. Vol. 53, No. 12, pp. 801-7. Dec, 1996.

Dumortier, P; Coplu, L; de Maertelaer, V; Emri, S; Baris, I; De Vuyst, P; "Assessment of Environmental Asbestos Exposure in Turkey by Bronchoalveolar Lavage." Am J Respir Crit Care Med. Vol. 158, pp. 1815-1824. 1998.

Dumortier, P; De Vuyst, P; Rey, F; Boutin, C; "RE Main Asbestos Type in Pleural Mesothelioma." American Journal of Industrial Medicine. Vol. 33, No. 1, pp. 94-95. 1998.

Dunn, H.W., Stewart, J.H., Jr., "Quantitative Determination of Chrysotile in Building Materials." Microscope, pp. 39-45, 1981.[3]

Dunnigan J., "Modification of Asbestos Fibres: Biological Considerations." Report, World Symposium on Asbestos, pp. 390-394.[2]

Dunnigan, J., "Linking Chrysotile Asbestos with Mesothelioma." American Journal of Industrial Medicine, Vol. 14, pp. 205-209, 1988.

Dunnigan, J., "Biological Effects of Fibrous Materials: Review of Recent Data on Asbestos Substitutes." Asbestos - Its Health Risks, Analysis, Regulation, and Control, APCA SP-57, pp. 199-235, 1987.

Dunnigan J., "Threshold Exposure Level for Chrysotile." Canadian Journal of Public Health, Vol. 77, pp. 41-42, 1986.[2]

Dupre, J.S., Mustard, J.F., Uften, R.J., "Report of the Royal Commission on Matters of Health and Safety Arising from the Use of Asbestos in Ontario." Ontario Ministry of the Attorney General, Vol. 1-3, pp. 1-920, 1984.

Dusek, CJ; Yetman, JM; Potential Community Exposure Associated With Construction In Naturally Asbestos Deposits Final Report Fairfax County Health Department, no date.

Dusek, CJ; Yetman, JM; "Control and Prevention of Asbestos Exposure from Construction in Naturally Occurring Asbestos" Transportation Research Record n 1424 pp.34-41, 1993.

DuToit, R.S.J., "Dust in South African Asbestos Mines and Fiberizing Plants." Pneumoconiosis: Proceedings of the International Conference, Johannesburg 1969, Shapiro, H.A., ed., pp. 13-17, 1970.

Duychaerts, G., "The Infra-Red Analysis of Solid Substances, A Review." Analyst, Vol. 84, pp. 201-214, 1959.[2]

Eastern Research Group, Inc. (ERG); *Report on the Peer Consultation Workshop to Discuss a Proposed Protocol to Assess Asbestos-Related Risk. Final Report.* Prepared for the Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency, Washington, D.C. 20460. May 30, 2003. **http://www.epa.gov/oswer/riskassessment/asbestos/**

Eastes, W; Hadley, JG; "A Mathematical Model of Fiber Carcinogenicity and Fibrous in Inhalation and Intraperitoneal Experiments in Rats" Inhalation Toxicology Vol.8, pp.323-343, 1996.

Eastes, W; Hadley, JG; "Dissolution of Fibers Inhaled by Rats" Inhalation Toxicology Vol.7, pp.179-196, 1995.

Eastes, W; Hadley, JG; "Role of Fiber Dissolution in Biological Activity in Rats." Regulatory Toxicology and Pharmacology. Vol. 20, No. 3, pp. 104-112. 1994.

Economou P; Samet JM; Lechner JF. Familial and Genetic Factors in the Pathogenesis of Lung Cancer. In: *Epidemiology of Lung Cancer.* Chapter 14. Samet JM (ed.). Marcel Dekker, Inc., New York. 1994.

Edelman, D.A., "Exposure to Asbestos and the Risk of Gastrointestinal Cancer: A Reassessment." British Journal of Industrial Medicine, Vol. 45, pp. 75-82, 1988.[2]

Einerson, J.H., Pei, P.C., "A Comparison of Laboratory Performance." Environmental Science and Technology, Vol. 22, No. 10, pp. 1121-1125, 1988.[2]

Elmes, P; "Mesotheliomas and Chrysotile" Annals of Occupational Hygiene Vol.38, No.4, pp.547-553, 1994.

Elmes, P.C., "Health Hazards of Short Mineral Fibers." Report, Short and Thin Mineral Fibers: Identification, Exposure, and Health Effects - Proceedings of a Symposium, Chatfield, E.J., ed., pp. 165-180, 1983.[1][2]

Elmes, P., Browne, K., "Mesothelioma Shortly After Brief Exposure to Asbestos." The Lancet, Little, Brown, and Company, publ., Vol. 1, No. 8483, pp. 746, 1986.[2]

Enterline, P.E., "Cancer Produced by Nonoccupational Asbestos Exposure in the United States." Journal of the Air Pollution Control Association, Vol. 33, No. 4, pp. 318-322, 1983.[1][2]

Enterline, P.E., "Extrapolation from Occupational Studies: A Substitute for Environmental Epidemiology." Env. Health Perspectives, Vol. 42, No. 39, 39-44, 1981.[1][2]

Enterline, P.E., Hartley, J., Henderson, V., "Asbestos and Cancer -- A Cohort Followed to Death." Graduate School of Public Health, University of Pittsburgh, 1986.[1][2]

Enterline, P.E., Henderson, V.L., "Geographic Patterns for Pleural Mesothelioma Deaths in the United States, 1968-1981." Journal of the National Cancer Institute, Vol. 79, No. 1, pp. 31-37, 1987.[2]

Enterline, P.E., Marsh, G.M., "Mortality of Workers in the Man-Made Mineral Fibre Industry." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, pp. 965-972, 1980.[1][5]

Enterline, P.E., Marsh, G.M., "The Health of Workers in the MMMF Industry." Biological Effects of Mineral Fibres, Vol 1, Introduction and sessions I-V, Wagner, J.C., ed., IARC Scientific Publications, pp. 311-339, 1980.

Enterline, PE; Marsh, GM; Henderson, V; Callahan, C; "Mortality Update of a Cohort of US Man-Made Mineral Fibre Workers." Ann Occup Hyg. Vol. 31, No. 4B, pp. 625-656. 1987.

Environmental Lung Disease, Fourth International Conference, Original Investigations (Abstracts), Quebec, Canada, September 25-28, 1991.[3]

Epidemiology, American Journal of, "Respiratory Cancer Mortality Among Workers Exposed to Chloromethyl Methyl Ether." *Abstract*, Vol. 124, No. 3, pp. 530, 1986.

Epler, G., FitzGerald, M.X., Gaensler, E.A., Carrington, C.B., "Asbestos-Related Disease from Household Exposure: Case Report from the Thoracic Services, Boston University Medical School." Respiration, Vol. 39, pp. 229-240, 1980.

Ernst, P., Zejda, J., "Pleural and Airway Disease Associated with Mineral Fibers." Mineral Fibers and Health, Chapter 10, pp. 121-134, 1991.[3]

Esmen, N.A., "Short-Term Survey of Airborne Fibres in US Manufacturing Plants." Biological Effects of Mineral Fibres, Vol. 1, pp. 65-82.

Esmen, NA; Corn, M; "Airborne Fiber Concentrations During Splitting Open and Boxing Bags of Asbestos." Toxicology and Industrial Health. Vol 14, No. 6, pp. 843-856. 1998.

Esmen, N., Corn, M., Hammad, Y., Whittier, D., Kotsko, N., "Summary of Measurements of Employee Exposure to Airborne Dust and Fiber in Sixteen Facilities Producing Man-Made Mineral Fibers." American Industrial Hygiene Association, Vol. 40, pp. 108-117, 1979.

Esmen, N., Hammad, Y.Y., Corn, M., Whittier, D., Kotsko, N., Haller, M., Kahn, R.A., "Exposure of Employees to Man-made Mineral Fibers: Mineral Wool Production." Environmental Research, Vol. 15, pp. 262-277, 1978.

Evans, J.C., Evans, R.J., Holmes, A., Hounam, R.F., Jones, D.M., Morgan, A., Walsh, M., "Studies on the Deposition of Inhaled Fibrous Material in the Respiratory Tract of the Rat and Its Subsequent Clearance Using Radioactive Tracer Techniques." Environmental Research, Vol. 6, pp. 180-201, 1973.

Everitt, JI; Gelzleichter, TR; Bermudez, E; Mangum, JB; Wong, BA; Janszen, DB; Moss, OR; "Comparison of Pleural Responses of Rats and Hamsters to Subchronic Inhalation of Refractory Ceramic Fibers." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1209-1213. September, 1997.

Falgout, D., "Environmental Release of Asbestos from Commercial Product Shaping." U.S. Environmental Protection Agency, Report No. EPA/600/2-85/044, U.S. Department of Commerce, NTIS No. PB85-188878, 1985.

Fan, J-G; Wang, Q-E; Liu, S-J; Wu, W-D; Jia, G; Zhou, L-L; "Pretreatment of Chrysotile with Rare Earth Compounds Lowered its Cytotoxicity by Lessening Surface Charges." Biomedical and Environmental Sciences. Vol. 11, No. 2, pp.125-132. 1998.

Farley, AN; Shah, JS; Wills, HH; "High-Pressure Scanning Electron Microscopy of Insulting Materials: A New Approach" Journal of Microscopy Vol.164, Pt.2, pp.107-126, November 1991.

Farmer, V.C., ed., "The Infrared Spectra of Minerals." Report, Mineralogical Society Monograph 4, pp. 1-481, 1974.(2)

Fasske, E., "Experimental Lung Tumors Following Specific Intrabronchial Application of Chrysotile Asbestos." Respiration, Vol. 53, pp. 111-127, 1988.(2)

Faux, SP; Howden, PJ; "Possible Role of Lipid Peroxidation in the Induction of NF-kB and AP-1 in RFL-6 Cells by Crocidolite Asbestos: Evidence following Protection by Vitamin E." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1127-1130. September, 1997.

Feinstein, R., "Scientific Standards in Epidemiologic Studies of the Menace of Daily Life." Science, Vol. 242, pp. 1257-1263, 1988.(2)

Ferguson, D.A., Berry, G., Jelihovsky, T., Thompson, R., Andreas, S.B., Rogers, A.J., "The Australian Mesothelioma Surveillance Program 1979-1985." The Medical Journal of Australia, Vol. 147, pp. 166-172, 1987.(2)

Ferin, J., "How Smoking and Asbestos Exposure Interact to Increase the Risk of Pulmonary Carcinoma: A Mechanistic Hypothesis." Biological Interaction of Inhaled Mineral Fibers and Cigarette Smoke. Proceedings of an International Symposium/Workshop, held at the Battelle Seattle Conference Center, April 10-14, 1988.(3)

Finkelstein, MM; "The Exposure-Response Relationship for Mesothelioma Among Asbestos-Cement Factory Workers." Toxicol Ind Health (United States). Vol. 6, No. 6, pp. 623-7. Dec. 1990.

Finkelstein, MM; "Original Research: Mortality Rates Among Employees Potentially Exposed to Chrysotile Asbestos At Two Automotive Parts Factories." Can Med Assoc J Vol. 141, No. 2, pp.125-130. 1989.

Finkelstein, MM; "Mortality Among Employees of an Ontario Factory That Manufactured Construction Materials Using Chrysotile Asbestos and Coal Tar Pitch." Am J Ind Med. Vol. 16, No. 5, pp. 281-287. 1989.

Finkelstein, M.M., "Risk Assessment in the Asbestos Cement Industry." British Journal of Industrial Medicine, Vol. 45, No. 3, pp. 201-208, 1988.

Finkelstein, M.M., "Pulmonary Function in Asbestos Cement Workers: A Dose-Response Study." British Journal of Industrial Medicine, Vol. 43, No. 6, pp. 406-413, 1986.(1)

Finkelstein, M.M., "A Study of Dose-Response Relationships for Asbestos Associated Disease." British Journal of Industrial Medicine, Vol. 42, pp. 319-328, 1985.(1)(2)

Finkelstein MM. Mortality Among Employees of an Ontario Asbestos-Cement Factory. *American Review of Respiratory Disease*. 129:754!761. 1984.

Finkelstein, M.M., "Mortality Among Long-Term Employees of an Ontario Asbestos-Cement Factory." British Journal of Industrial Medicine, Vol. 40, pp. 138-144, 1983.(1)(2)

Finkelstein, M.M., "Asbestosis Among Long-term Employees of an Ontario Asbestos-Cement Factory." American Review Respiratory Disease, Vol. 125, pp. 596-501, 1982.(1)

Finkelstein, M.M., Dement, J.M., "Commentary: Exposures and Mortality Among Chrysotile Asbestos Workers." American Journal of Industrial Medicine, Vol. 5, pp. 407-410, 1984.(1)

Finkelstein, MM; Dufresne, A; "Inferences on the Kinetics of Asbestos Deposition and Clearance Amoung Chrysotile Miners and Millers." American Journal Ind Med Vol. 35, No. 4, pp. 401-12. April 1999.

Finkelstein, JN; Johnston, C; Barrett, T; Oberdorster, G; "Particulate-Cell Interactions and Pulmonary Cytokine Expression." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1179-1182. September, 1997.

Fischbein, A; Luo, J-CJ; Lacher, M; Rosenfeld, S; Rosenbaum, A; Miller, A; Solomon, S; "Respiratory Findings Among Millwright and Machinery Erectors: Identification of Health Hazards from Asbestos in Place at Work" Environmental Research Vol.61, pp.25-35, 1993.

Fischer, AB; Kew, JL; Diemer, K; Eikmann, T; "Low Dose Effects of Fibrous and Non-Fibrous Mineral Dusts on the Proliferation of Mammalian Cells In Vitro." Toxicology Letters (Shannon). Vol. 96-96, pp. 97-103. 1998.

Fisher, G.L., Massman, B.T., McFarland, A.R., Hart, R.W., "A Possible Mechanism at Chrysotile Asbestos Toxicity." Drug and Chemical Toxicity, Vol. 10, No. 1&2, pp. 109-131, 1987.

Floyd, GA; Thesis "Environmental Asbestos : A Correlation of Percentages in Soil With Concentrations in Air" (no date).

Floyd, RA; "Role of Oxygen Free Radicals in Carcinogenesis and Brain Ischemia." The FASEB Journal. Vol. 4, pp. 2587-2597. June,1990.

Frank, AL; "The Riddle of Risk Assessment in Asbestos Carcinogenicity." Med Lav. Vol. 88, No. 4, pp. 333-8. Jul-Aug. 1997.

Frank, AL; Dodson, RF; Williams, MG; "Carcinogenic Implications of the Lack of Tremolite in UICC Reference Chrysotile." American Journal of Industrial Medicine. Vol. 34, No. 4, pp. 314-317. 1998.

Fridmann, S.A., "Pelleting Techniques in Infrared Analysis: A Review and Evaluation." pp. 1-23.

Friedman, W., "Comparison of Asbestos-Related Operations and Maintenance Costs and Abatement Costs." Safety and Environmental Management Division, Office of Real Property Management and Safety, U.S. General Services Administration, Washington, DC., December 1990.(3)

Friedrichs, K., "Personal Experiences with Making Samples of Fibres for Biological Experiments." Fibres for Biological Experiments, pp. 36-42, 1974.

Friedrichs, KH; Brockmann, M; Fischer, M; Wick, G; "Electron Microscopy Analysis of Mineral Fibers in Human Lungs Tissue" American Journal of Industrial Medicine Vol.22, pp.49-58, 1992.

Friedrichs, K.H., Molek, R., "Microscopic Observations on Some Fibrous Dust Samples." Zbl. Bakt. Hyg., I. Abt. Orig. B, Vol. 181, pp. 216-225, 1985.

Frome, E.L., Checkoway, H., "Epidemiologic Programs for Computers and Calculators - Use of Poisson Regression Models in Estimating Rates and Ratios." American Journal of Epidemiology, Vol. 121, No. 2, pp. 309-323, 1985.

Fubini, B; "Surface Reactivity in the Pathogenic Response to Particulates." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1013-1020. September, 1997.

Fulton, RS; Madden, RM; Cheff, SO; "Ultrastructural Pulmonary Changes in Mice Exposed to Aerosolized Periodontal Pack Powder" Dental Materials Vol.5; pp.194-200, May 1989.

Gaensler, E.A., "Asbestos Exposure in Buildings." Clinics in Chest Medicine, Vol. 13, No. 2, pp. 231-242, June 1992.(3)

Galani, V; Dalavanga, Y; Frangou-Lazaridou, M; Manda-Stachouli, C; Kotoulas, O; Constantopoulus, SH; "Inhabitants of Metsovo (Greece), Environmentally Exposed to Asbestos, Reveal Additional Proteins in BAL Fluid Only When Pleural Calcifications Are Present; Another Evidence of Protection Against Neoplasia?" European Respiratory Journal Supplement. Vol. 10, No. 25, pp. 20S. 1997.

Gale, R.W., Timbrell, V., "Practical Application of Magnetic Alignment of Mineral Fibres for Hazard Evaluation." Biological Effects of Mineral Fibres., Vol. 1, No. 30, pp. 53-60, 1980.

Gamble, JF; Greife, A; "Health Studies of Miners and Millers Exposed to Talc." Health Issues Related to Metal and Nonmetallic Mining. Chapter 16, pp. 277-302. 1983.

Gardner, M.J., "Occupational Exposure Limits for Asbestos." Paper for World Health Organization Consultation Meeting 10-11 April 1989.

Gardner, M.J., Majnani, C., Pannett, B., Fletcher, A.C., Winter, P.D., "Lung Cancer Among Glass Fibre Production Workers: A Case-Control Study." British Journal of Industrial Medicine, Vol. 45, pp. 613-618, 1988.(2)

Gardner, M.J., Powell, C.A., "Mortality of Asbestos Cement Workers Using Almost Exclusively Chrysotile Fibre." Society of Occupational Medicine, Vol. 36, No. 4, pp. 124-126, 1986.(1)

Gardner, M.J., Winter, P.D., Pannett, B., Powell, C.A., "A Follow-Up Study of Workers Manufacturing Chrysotile Cement Products (Draft)." MRC Environmental Epi. Unit, Southhampton Genese Hospital, 1985.(1)

Gardner, M.J., Winter, P.D., Pannett, B., Simpson, M.J.C., Hamiton, C., Acheson, E.D., "Mortality Study of Workers in the Man-Made Mineral Fiber Production Industry in the United Kingdom." Scandinavian Journal Work Environmental Health, Vol. 12, No. suppl 1, pp. 85-93, 1986.(2)

Gary, M; McAffee, R; and Wolf, C, eds. *Glossary of Geology.* American Geologica Institute, Washington, D.C. 1974.

Gaudichet, A., Sebastian, P., Clark, N.J., Poxey, F.D., "Identification and Quantification of Asbestos Fibres in Human Tissues." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, Vol. 1, No. 30, pp. 61-68, 1980.

Gazzi, D., Crockford, G.W., "Indoor Asbestos Levels on a Housing Estate (determined by transmission electron microscopy)." Ann. Occupational Hygiene, Vol. 31, No. 4A, pp. 429-439, 1987.

Gehrke, S., "Contractors Find Solution to Quicker, Cleaner Floor Mastic Removal." ECON; Environmental Contractor, Vol. Aug., pp. 68-69, 1989.

Geil, R.G., "Chronic-Carcinogenicity Study of Chrysotile Asbestos by the I.V. Route in CD-1 Mice." Prepared for Food and Drug Administration, Rockville, MD., U.S. Department of Commerce, NTIS PB84-240464, 1980.

Gentry, J.W., "Survey of Recent Measurements with Asbestos Fibers." J. Aerosol Sci., Vol. 18, No. 5, pp. 479-486, 1987.

Gerde, P., Scholander, P., "A Model for the Influence of Inhaled Mineral Fibers on the Pulmonary Uptake of Polycyclic Aromatic Hydrocarbons (PAH) from Cigarette Smoke." Biological Interaction of Inhaled Mineral Fibers and Cigarette Smoke. Proceedings of an International Symposium/Workshop, held at the Battelle Seattle Conference Center, April 10-14, 1988.(3)

Gerde, P., Scholander, P., "Adsorption of Benzo(a)pyrene on to Asbestos and Manmade Mineral Fibres in an Aqueous Solution and in a Biological Model Solution." British Journal of Industrial Medicine, Vol. 45, pp. 682-688, 1988.

Gehr P; Geiser M; Stone KC; Crapo JD. Morphometric Analysis of the Gas Exchange Region of the Lung. In *Toxicology of the Lung*, 2nd edition. Gardner DE; Crapo JD; McClellan RO (eds.). Raven Press, New York. 1993.

Germine, M; Puffer, JH; "Origin and Develoopment of Flexibility in Asbestiform Fibres." Mineralogical Magazine. Vol. 53, pp. 327-335. June, 1989.

Gerrity, T.R., Garrard, C.S., Yeates, P.B., "A Mathematical Model of Particle Retention in the Air Spaces of Human Lungs." British Journal of Industrial Medicine, Vol. 40, pp. 121-130, 1983.

Ghio, AJ; Kadiiska, MB; Xiang, Q-H; Mason, RP; "In Vivo Evidence of Free Radical Formation After Asbestos Instillation: An ESR Spin Trapping Investigation." Free Radical Biology and Medicine. Vol. 24, No. 1, pp. 11-17. 1998.

Gibbons, W; "The Exploitation and Environmental Legacy of Amphibole Asbestos: A Late 29th Century Overview." Environmental Geochemistry and Health. Vol. 20, No. 4, pp. 213-230. 1998.

Gibbs, AE; Pooley, FD; Griffiths, DM; Mitha, R; Craighead, JE; Ruttner, JR; "Talc Pneumoconiosis: A Pathologic and Mineralogic Study." Human Pathology. Vol. 23, No. 12, pp. 1344-54. Dec, 1992.

Gibbs, A.R., Jones, J.S.P., Pooley, F.D., Griffiths, D.M., Wagner, J.C., "Non-Occupational Malignant Mesotheliomas." IARC Sci Publ., #90, pp. 219-228, 1989.(3)

Gibbs, AR; Stephens, M; Griffiths, DM; Blight, BJ; Pooley, FD; "Fibre Distribution in the Lungs and Pleura of Subjects with Asbestos Related Diffuse Pleural Fibrosis." Br J Ind Med. Vol. 48, No. 11, pp. 762-770. November, 1991.

Gibbs, G.W., "Technique for Asbestos Analysis: Understanding the Problem." Report presented at the Organization Resources Counselors, Inc., Symposium "Asbestos Rip-Out," March 27 & 28, 1984.

Gibbs, G.W., "Exposure Equivalents for Various Asbestos Fibre Types and Stages of Processing." Report, Fifth International Colloquium on Dust Measuring Technique and Strategy, Asbestos International Association, 1984.

Gibbs, G.W., Rowlands, N., Brulotte, R., "A Pilot Study on the Measurements of Airborne Fibre Concentrations in Ambient Air." Report, IOHS - Quebec, 1980.

Gibbs, G.W., "Applications of Scanning Electron Microscopy to measurements of Asbestos Fibres in Non-Occupational Environments." Report, Third Colloquium on Dust Measuring Technique and Strategy, 10-12 June 1980, Cannes, France.

Gibbs, G.W., "Techniques of Asbestos Determination - Research Perspective." MAC Short Course in Mineralogical Techniques of Asbestos Determination: Short Course Handbook, 1979.

Gibbs, G.W., "A Summary of Asbestos Fibre Counting Experience in Seven Countries." Annals of Occupational Hygiene, Vol. 20, No. 4, pp. 321-332, 1977.

Gibbs, G.W., "Fibre Release from Asbestos Garments." Annals of Occupational Hygiene, Vol. 18, pp. 143-149, 1975.

Gibbs, G.W., "Dust-Fiber Relationships in the Quebec Chrysotile Industry." Arch. Environ. Health, Vol. 28, pp. 69-71, 1974.

Gibbs, G.W., "Qualitative Aspects of Dust Exposure in the Quebec Asbestos Mining Industry." Inhaled Particles 3, Vol. 2, pp. 783-799, 1970.[2]

Gibbs, G.W., dutoit, R.S.J., "Environmental Considerations in Surveillance of Asbestos Miners and Millers." Annals New York Academy of Science, Vol. 330, pp. 163-178, 1979.

Gibbs, G.W., dutoit, R., "Environmental Data in Mining." IARC Sci. Publ. #8, Biological Effects of Asbestos, pp. 138-144, 1973.

Gibbs, G.W., Hwang, C.Y., "Physical Parameters of Airborne Asbestos Fibres in Various Work Environments - Preliminary Findings." American Industrial Hygiene Association Journal, Vol. 36, No. 6, pp. 459-466, 1975.

Gibbs, G.W. and Hwang, C.Y., "Dimensions of Airborne Asbestos Fibers." In Biological Effects of Mineral Fibers, Wagner, ed., IARC Scientific Publication, pp. 69-78, 1980.[1]

Gibbs, G.W., McCullough, R.S., Tate, R.A., "A Canadian Asbestos Counting Trial." Canadian Journal of Public Health, Vol. 70, pp. 343-350, 1979.

Gibbs, G; Pigg, BJ; Nicholson, WJ; Morgan, A; Lippmann, M; Davis, JMG; Mossman, BT; McDonald, JC; Landrigan, PJ; Schreier, H; Environmental Health Criteria for Chrysotile Asbestos World Health Organization Geneva, 1998.

Gibbs, G.W., Rowlands, N., Brulotte, R., "A Pilot Study on the Measurements of Airborne Fibre Concentrations in Ambient Air." Report, IOHS - Quebec, 1980.

Gilbert O. *Statistical Method for Environmental Pollution Monitoring.* Van Nostrand Reinhold, New York. 1987.

Gillam, J.D., Dement, J.M., Lemen, R.A., Wagoner, J.K., Archer, V.E., Blejer, H.P., "Mortality Patterns Among Hard Rock Gold Miners Exposed to an Asbestiform Material." Annals New York Academy of Sciences, Vol. 271, pp. 336-345, 1976.[1]

Glickman, Lt., Domanski, L.M., Maguire, T.G., Dubielzig, R.R., Churg, A., "Mesothelioma in Pet Dogs Associated with Exposure of Their Owners to Asbestos." Environmental Research, Vol. 32, pp. 305-313, 1983.

Gniech, B; Dopp, E; Jonas, L; Knippel, E; Nebe, B; "Changes in Surface Properties of Human Mesothelial Cells by Crocidolite Asbestos Assessed by Electrorotation, Electron Microscopy, and Flow Cytometry." European Journal of Cell Biology. Vol. 78, No. 49, pp. 76. 1999.

Godelaine, D., Beaufay, H., "Comparative Study of the Effect of Various Fibres on the Secretion of Plasminogen Activator by Murine Peritoneal Macrophages." Effects of Mineral Dusts on Cells, NATO ASI Series, Vol. H30, Proceedings of the NATO Advanced Research Workshop on In Vitro Effects of Mineral Dusts on Cells held at Auberge Estrimont, Oxford, Quebec, Canada, September 20-23, 1988.(3)

Godish, T., "Indoor Air Pollution Control." Indoor Air Pollution, Lewis Publishers, Inc., pp. 34-45., 1989.

Gold, J; Amandusson, H; Krozer, A; Kasemo, B; Ericsson, T; Zanetti, G; Fubini, B; "Chemical Characterization and Reactivity of Iron Chelator-Treated Amphibole Asbestos." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1021-1030. 1997.

Goldsmith, C-A; Frevert, C; Imrich, A; Sioutas, C; Kobzik, L; "Alveolar Macroophage Interaction with Air-Pollution Particulates." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1191-1195. September, 1997.

Goldsmith, J.R., "Comparative Epidemiology of Men Exposed to Asbestos and Man-made Mineral Fibres." American Journal of Industrial Medicine, Vol. 10, pp. 543-552, 1986.(2)

Goldstein, B., Rendall, R.E.G., "Ferruginous Bodies." Pneumoconiosis: Proceedings of the International Conference, Johannesburg 1969, Shapiro, H.A., ed., pp. 92-98, 1970.

Goldstein, B., Rendall, R., Webster, I., "A Comparison of the Effects of Exposure of Baboons to Crocidolite and Fibrous-Glass Dusts." Environmental Research, Vol. 32, pp. 334-359, 1983.(1)

Golladay SA; Park S-H; Aust AE. Efflux of Reduced Glutathione after Exposure of Human Lung epithelial Cells to Crocidolite Asbestos. *Environmental Health Perspectives.* 105(Suppl 5):1273–1278. 1997.

Goodglick, L.A., Kane, A.B., "Cytotoxicity of Long and Short Crocidolite Asbestos Fibers *in Vitro* and *in Vivo*." Cancer Research, Vol. 50, pp. 5153-5163, August 15, 1990.(3)

Goodglick, LA; Vaslet, CA; Messier, NJ; Kane, AB; "Growth Factor Responses and Protooncogene Expression of Murine Mesothelial Cell Lines Derived from Asbestos-Induces Mesotheliomas." Toxicologic Pathology. Vol. 25, No. 6, pp. 565-573. 1997.

Goodwin, A., "Proceedings of the Symposium on Talc, Washington, D.C., May 8, 1973." U.S. Department of the Interior, Bureau of Mines, Information Circular 8639, 1973.(3)

Governa, M; Camilucci, L Amati, M; Visona, I; Valentino, M; Botta, GC; Campopiano, A; Fanizza, C; "Wollastonite Fibers In Vitro Generate Reactive Oxygen Species Able to Lyse Erythrocytes and Activate the Complement Alternate Pathway." Toxicological Sciences. Vol. 44, No. 1, pp. 32-38. 1998.

Graham, S., "Methodological Problems in Ecologic Studies of the Asbestos-Cancer Relationship." Environmental Research, Vol. 25, pp. 35-49, 1981.

Gray, J.C., "Lab Selection More Than a Game of Chance." Asbestos Issues '89, Vol. Aug., pp. 32-36, 1989.

Green, F.H.Y., Harley, R., Vallyathan, V., Dement, J., Pooley, F., Althouse, R., "Pulmonary Fibrosis and Asbestos Exposure in Chrysotile Asbestos Textile Workers: Preliminary Results." Accomplishments in Oncology, Vol. 1, No. 2, pp. 59-68, 1986.(1)

Greenberg, M; "Historical Perspectives in Occupational Medicine: A Study of Lung Cancer Mortality in Asbestos Workers: Doll, 1955." Amer J Ind Med. Vol. 36, No. 3, pp. 331-47. Sep 1999.

Grelinger, M.A., Muleski, G., Kinsey, J.S., Cowherd, C., Hecht, D., "Gap Filing PM_{10} Emission Factors for Selected Open Dust Sources." U.S. Environmental Protection Agency, Technical Support Division, EPA 450/4-88-003, U.S. Department of Commerce/NTIS PB88-196225, 1988.

Gribbin, HR; Cotes, JE; Clifford, KMA; Royall, R; Jones, AP; "Quantification of Right and Left Lung and Pleural Tissue Volume, by CT Scanning, in Asbestos-Related Pleural Disease (ARPD)."
European Respiratory Journal Supplement. Vol. 10, No. 25, pp. 467S. 1997.

Grimson, R.C., "Apportionment of Risk Among Environmental Exposures: Application to Asbestos Exposure and Cigarette Smoking." Journal of Occupational Medicine, Vol. 29, No. 3, pp. 253-255, 1987.(2)

Groose, I; Huetter, B; Hartmann, I; Binde, G; Gruber, H; Kurz, G; "Asbestos on Textiles: Is There An Endangering During Washing and Wearing?" Journal of Hazardous Materials. Vol. 63, No. 2-3, pp. 119-130. 1998.

Gross, TJ; Cobb, SM; Peterson, MW; "Asbestos Exposure Increases Paracellular Transport of Fibrin Degradation Products Across Human Airway Epithelium." Am J Physiol. Vol. 266, No. 3, pp. L287-95. Mar, 1994.

Gross, P., Davis, J.M.G., Harley, R.A., detreville, R.T.P., "Lymphatic Transport of Fibrous Dust from the Lungs." Journal of Occupational Medicine, Vol. 15, No. 3, pp. 186-189, 1973.

Groulx, P., "Guidance Document for the Investigation of Asbestos Disposal Sites." U.S. Environmental Protection Agency, Region I, publ., Weston-SPER, ed., Vol. January 1989.

Groulx, P., "On-Scene Coordinators Report, Lowell Road Asbestos Site, Hudson, New Hampshire, 6/29/84-10/10/85." U.S. Environmental Protection Agency, Oil and Hazardous Material Spill Section, 1985.

Guillemin, MP; Lizistorf, G; Buffart, PA; "Urinary Fibers in Occupational Exposure to Asbestos" Ann Occup Hyg (England) Vol.33, No.2, pp.219-233, 1989.

Guillemin, M., Litzistorf, G., Madelaine, P., Iselin, F., Buffat, Ph., "The Indoor Asbestos Problems: Facts and Questions." Advances in Aerobiology - Proceedings of the 3rd International Conference on Aerobiology, August 6-9, 1986, Basel, Switzerland, pp. 221-226, 1987.

Guillemin, M.P., Madelaine, P., Litzistorf, G., Buffat, P., Iselin, F., "Asbestos in Buildings: The Difficulties of a Reliable Exposure Assessment." Aerosol Science and Technology, Vol. 11, pp. 221-243, 1989.(3)

Gulumian, M; Nkosibomvu, ZL; Channa, K; Pollak, H; "Can Microwave Radiation at High Temperatures Reduce the Toxicity of Fibrous Crocidolite Asbestos?" Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1041-1044. September, 1997.

Gulumian, M., Van Wyk, J.A., Kolk, B., "Detoxified Crocidolite Exhibits Reduced Radical Generation Which Could Explain Its Lower Toxicity: ESR and Mossbauer Studies." Effects of Mineral Dusts on Cells, NATO ASI Series, Vol. H30, Proceedings of the NATO Advanced Research Workshop on In Vitro Effects of Mineral Dusts on Cells held at Auberge Estrimont, Oxford, Quebec, Canada, September 20-23, 1988.(3)

Gunter, ME; "Asbestos as a Metaphor for Teaching Risk Perception" Journal of Geological Education Vol.42, pp.17-24, 1994.

Gurman, JL; Morton, L; Schlesinger,B; "Particle Deposition in Replicate Casts of the Human Upper Tracheobronchial Tree Under Constant and Cyclic Inspiratory Flow. I. Experimental." Aerosol Science and Technology. Pp. 245-252. 1984.

Guthrie, GD. Jr; "Mineral Properties and Their Contributions to Particle Toxicity." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1003-1011. September, 1997.

Guthrie, GD and Mossman, BT; "Merging the Geological and Biological Sciences: An integrated Approach to the Study of Mineral-Induced Pulmonary Diseases." *Reviews in Mineralogy Vol. 28: Health Effects of Mineral Dusts.* GD Guthrie and BT Mossman, eds., Pp. 1-5. 1993.

Gylseth, B., Mowe, G., Churg, A., Rogers, A., Davis, M.G.D., Reggli, V., Johnson, N., Morgan, A., "Analysis of Asbestos Fibers and Asbestos Bodies in Tissue Samples from Human Lung." Scandinavian Journal Work Environmental Health, Vol. 11, pp. 107-110, 1985.(1)

Gylseth, B., Mowe, G., Wannag, A., "Fibre Type and Concentration in the Lungs of Workers in an Asbestos Cement Factory." British Journal of Industrial Medicine, Vol. 40, pp. 375-379, 1983.(1)

Gylseth, B., Stettler, L., Mowe, G., Skaug, V., Lexow, P., "A Striking Deposition of Mineral Particles in the Lungs of a Farmer: A Case Report." American Journal of Industrial Medicine, Vol. 6, pp. 231-240, 1984.

Haider, M., Neuberger, M., "Comparison of Lung Cancer Risks for Dust Workers, Asbestos-Cement Workers, and Control Groups." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, pp. 973-977, 1980.[1][2][5]

Hajjar, NP; Fountos, BN; Kruger-McDermott, C; Turck, P; Cerny, ME; Webb, D; Cook, Brion; McCarroll, N; McLellan, W; Alexander, C; Bruno, J; Flynn, E; Rothwell, C; Runge, J; Segal, S; Health Assessment Document for Vermiculite. US Environ Protection Agency. EPA/600/8-91/037. pp. 1-48. September 1991.

Hallenbeck, W.H., "Can We Really Evaluate the Health Risks Due to Exposure to Airborne Asbestos?" The Environmental Professional, Vol. 10, pp. 333-340, 1988.[2]

Hamilton, R.M., "Analysis of Vinyl Tile Sample Using PLM: An Overview." National Asbestos Council Journal, Vol. Summer, pp. 44-46, 1989.[2]

Hammar, S.P., Bockus, D., Remington, F., Freidman, S., LaZerte, G., "Familial Mesothelioma: A Report of Two Families." Human Pathology, Vol. 20, No. 2, pp. 107-112, 1989.[2]

Hammond, E.C., Garfinkel, L., "Mortality Experience of Residents in the Neighborhood of an Asbestos Factory." Annals N.Y. Academy of Science, Vol. 330, pp. 417-422, 1979.

Hammond, E.C., Garfinkel, L., Lew, E.A., "Longevity, Selective Mortality, and Competitive Risks in Relation to Chemical Carcinogenesis." Environmental Research, Vol. 16, pp. 153-173, 1978.

Hammond, E.C., Selikoff, I.J., Seidman, H. "Asbestos Exposure, Cigarette Smoking and Death Rates." Annals New York Academy of Sciences, Vol. 330, pp. 473-490, 1979.[1][2]

Hannah, R.W., "Simple Sampling." Laboratory Methods in Vibrational Spectroscopy, Willis, H.A., VanderMaes, J.H., Miller, R.G.J., eds., John Wiley & Sons, publ., 3rd edition, pp. 207-215, 1987.

Hannant, D., Donaldson, K., Bolton, R.E., "Immunomodulatory Effects of Mineral Dust. I. Effects of Intraperitoneal Dust Inoculation on Splenic Lymphocyte Function and Humoral Immune Responses *In Vivo*." Journal of Clinical Laboratory Immunology, Vol. 16, pp. 81-85, 1985.

Haque, A.K., Kanz, M.F., "Asbestos Bodies in Children's Lungs - An Association with Sudden Infant Death Syndrome and Bronchopulmonary Dysplasia." Arch. Pathol. Lab. Med., Vol. 112, pp. 514-518, 1988.[2]

Harington, J.S., "Fiber Carcinogenesis: Epidemiologic Observations and the Stanton Hypothesis." JNCL, Vol. 67, No. 5, pp. 977-989, 1981.

Harington, J.S., "Occurrence of Oils Containing 3:4-Benzpyrene and Related Substances in Asbestos." Nature, Vol. 193, No. 4810, pp. 43-45, 1962.

Harris, E.S., "Problems of Spacecraft Materials Selection and Toxicological Evaluation." Proceedings of the Conference on Atmospheric Contamination in Confined Spaces, 30 March - 1 April 1965, Air Force System Command, publ., Vol. December, pp. 231-241, 1965.

Harris, R.L., Timbrell, V., "The Influence of Fibre Shape in Lung Deposition - Mathematical Estimates." Inhaled Particles IV, Walton, W.H., ed., Pergamon Press, 1977.[1][2]

Harris, T., "Burning of Rice Fields Possible Cancer Cause." Sacramento Bee.

Harrison, P.T.C., Heath, J.C., "Apparent Synergy in Lung Carcinogenesis: Interactions Between N-Nitrosoheptamethyleneimine, Particulate Cadmium and Crocidolite Asbestos Fibres in Rats." Carcinogenesis, Vol. 9, No. 12, pp. 2165-2171, 1988.

Hart, GA; Kathman, LM; Hesterberg, TW; "*In Vitro* Cytotoxicity of Asbestos and Man-Made Vitreous Fibers: Roles of Fiber Lenght, Diameter and Composition." Carcinogenesis. Vol. 15, No. 5, pp. 971-977. May, 1994.

Hart, GA; Newman, M; Bunn, WB; Hesterberg, TW; "Cytotoxicity of Refractory Ceramic Fibres to Chinese Hamster Ovary Cells in Culture" Toxic in Vitro Vol.6, No.4, pp.317-326, 1992.

Harvard University, Energy and Environmental Policy Center, "Summary of Symposium on Health Aspects of Exposure to Asbestos in Buildings. December 14-16, 1988[3]

Harvey, BW; "Classification and Identification Error Tendencies in Bulk Insulation Proficiency Testing Materials" American Environmental Laboratory Vol.4; 1990.

Harvey, B.W., Perking, R.L., Nickerson, J.G., Newland, A.J., "Feasibility Study for Foundation of Asbestos Bulk Sample Calibration Studies." Prepublication, 1990.[2]

Harvey, G., Page, M., Dumas, L., "Binding of Environmental Carcinogens to Asbestos and Mineral Fibres." British Journal of Industrial Medicine, Vol. 41, pp. 396, 1984.

Harwood, C.F., Ase, P.K., "Field Testing of Emission Controls for Asbestos Manufacturing Waste." U.S. Environmental Protection Agency, ORD, EPA 600/2-77-098, 1977.

Harwood, C.F., Oestreich, D.K., "The Emission of Asbestos Particles from Open Sources." Paper presented at 68th Annual Meeting of APCA., 1975.[2]

Harwood, C.F., Blaszak, T.P., "Characterization and Control of Asbestos Emissions from Open Sources." U.S. Environmental Protection Agency, ORD, EPA 650/2-74-090, 1974.[2]

Hasenclever, D., Schutz, A., "Measurement of Dusts Containing Asbestos for Assessing Asbestos Hazards." Pneumoconiosis: Proceedings of the International Conference, Johannesburg 1969, Shapiro, H.A., ed., pp. 581-583, 1970.

Hatfield, J., Stockrahm, J., Todt, F., Ogden, J., Leczynski, B., Price, B., Russell, J., Chesson, J., "Assessing Asbestos Exposure in Public Buildings." Exposure Evaluation Division, Office of Toxic Substances, ed., U.S. Environmental Protection Agency, EPA 560/5-88-002, NTIS PB88-230909, 1988.

Hayes, AA; Thickbroom, GW; Guelfi, GR; Musk, AW; van der Schaaf, A; "Computer Quantitation of Gallium 67 Lung Uptake in Crocidolite (Blue Asbestos) Workers of Western Australia" Eur.Nucl.Med. Vol.16, pp.855-858, 1990.

Hays, H.W., "Problems in the Interpretation and Extrapolation of Animal Data to Man." Proceedings of the Conference on Atmospheric Contamination in Confined Spaces, 30 March-1 April 1965, Air Force Systems Command, ed., Vol. Dec., pp. 166-173, 1965.

Hays, S.M., "The Use of Settled Dust in the Development of Asbestos Control Programs -- Asbestos: Measurement, Risk Assessment, and Laboratory Accreditation." Presented at the Johnson Conference, 1992.(3)

Hayward, S.B., "Methodology for the Analysis of Ambient Levels of Airborne Asbestos by Transmission Electron Microscopy." Report, Air and Industrial Hygiene Laboratory, ed., California Department of Health Services, publ., 1984.(2)

Hayward, S.B., Lowe, N.D., "Methodology for the Analysis of Asbestos in Soil by Transmission Electron Microscopy." Report, Air and Industrial Hygiene Laboratory, ed., California Department of Health Services, publ.(2)

Health Effects Institute - Asbestos Research (HEI-AR); Asbestos in Public and Commercial Buildings: Supplementary Analysis of Selected Data Previously Considered by the Literature Review Panel. HEI-AR, 141 Portland St., Suite 7100, Cambridge, MA. 1992.

Health Effects Institute-Asbestos Research, Asbestos in Public and Commercial Buildings: A Literature Review and Synthesis of Current Knowledge. Sponsored by the Health Effects Institute Board's Study Team on Asbestos, 141 Portland St., Suite 7100, Cambridge, Massachusetts. 1991.(3)

Health Effects Institute-Asbestos Research, "A Summary of Workshop on Asbestos Research." Sponsored by the Health Effects Institute Board's Study Team on Asbestos, , 141 Portland St., Suite 7100, Cambridge, Massachusetts, October 31-November 1, 1988.

Heffelfinger, R.E., (Battelle), "Development of a Rapid Survey Method of Sampling and Analysis for Asbestos in Ambient Air - Final Report." U.S. Environmental Protection Agency, Division of Atmos. Surveillance, publ., 1972.

Hei, T.K., Geard, C.R., Osmak, R.S., Travisano, M., "Correlation of *In Vitro* Genotoxicity and Oncogenicity Induced by Radiation and Asbestos Fibres." British Journal of Cancer, Vol. 52, pp. 591-597, 1985.

Hei, T.K., He, Z.Y., Piao, C.O., Wldren, C., "The Mutagenicity of Mineral Fibers." Mechanisms in Fibre Carcinogenesis, pp. 319-325, 1991.(3)

Hei, TK; Wu, LJ; Piao. CQ; "Malignant Transformation of Immortalized Human Bronchial Epithelial Cells by Asbestos Fibers." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1085-1088. September, 1997.

Heidenreich WF; Luebeck EG; Moolgavkar SH. Some Properties of the Hazard Function of the Two-Mutation Clonal Expansion Model. *Risk Analysis*. 17:391–399. 1997.

Heidermanns, G., "Determination of Asbestos Fine Dust According to Mass Concentration." MAC Short Course in Mineralogical Techniques of Asbestos Determination: Short Course

Handbook, Ledoux, R.L., ed., Mineralogical Association of Canada, publ., Vol. 4, pp. 165-196, 1979.[2][5]

Heineman, EF; Bernstein, L; Stark, AD; Spirtas, R; "Mesothelioma, Asbestos, and Reported History of Cancer in First-Degree Relatives." Cancer. Vol. 77, No. 3, pp. 549-554. 1996.

Heller, DS; Gordon, RE; Turnnir, R; Clement, PB; "Presence of Asbestos in peritoneal Mesotheliomas." Laboratory Investigation. Vol. 78, No. 1. 1998.

Henderson, V.L., Enterline, P.E., "Asbestos Exposure: Factors Associated with Excess Cancer and Respiratory Disease Mortality." Annals New York Academy of Sciences, Vol. 330, pp. 117-126, 1979.[1][2]

Henderson, DW; Klerk, NH de; Hammar, SP; Hillerdal, G; Huuskonen, MS; Leigh, J; Pott, F; Roggli, VL; Shilkin, KB; Tossavainen, A; "Asbestos and Lung Cancer: Is It Attributable to Asbestosis or to Asbestos Fiber Burden? Pathology of Lung Tumors pp.83-118 , 1997.

Hessel, PA; Melenka, LS; Michaelchuk, D; Herbert, FA; Cowie, RL; "Lung Health Among Plumbers and Pipefitters in Edmonton, Alberta." Occupational and Environmental Medicine. Vol. 55, No. 10, pp. 678-683. 1998.

Hessel, P., Sluis-Cremer, G., "X-Ray Findings, Lung Function and Respiratory Symptoms in Black South African Vermiculite Workers." American Journal of Industrial Medicine, Vol. 15, pp. 21-29, 1989.

Hessel, P.A., Sluis-Cremer, G.K., "Case-Control Study of Lung Cancer and Silicosis." pp. 351-357.

Hesterberg TW; Axten C; McConnell EE; Oberdorster G; Everitt J; Miller WC; Chevalier J; Chase GR; Thevenaz P. Chronic Inhalation Study of Fiber Glass and Amosite Asbestos in Hamsters: Twelve-Month Preliminary Results. *Environmental Health Perspectives*. 105(Suppl 5):1223–1230. September. 1997.

Hesterberg, TW; Chase, G; Axten, C; Miller, WC; Musselman, RP; Kamstrup, O; Hadley, J; Morscheidt, C; Bernstein, DM; Thevenaz, P; "Biopersistence of Synthetic Vitreous Fibers and Amosite Asbestos in the Rat Lung Following Inhalation" Am.J.Ind.Med. Vol.35, No.4, pp.401-412, 1999.

Hesterberg TW; Chase G; Axten C; Miller WC; Musselman RP; Kamstrup O; Hadley J; Morscheidt C; Bernstein DM; Thevenaz P. Biopersistence of Synthetic Vitreous Fibers and Amosite Asbestos in the Rat Lung Following Inhalation. *Toxicology and Applied Pharmacology*. 151:262–275. 1998a.

Hesterberg, TW; Hart, GA; Chevalier, J; Miller, WC; Hamilton, RD; Bauer, J; Thevenaz, P; "The Importance of Fiber Biopersistence and Lung Dose in Determining the Chronic Inhalation Effects of X607, RCF1, and Chrysolite Asbestos in Rats." Toxicology and Applied Pharmacology. Vol. 153, No. 1, pp. 68-82. 1998b.

Hesterberg, TW; Miller, WC; McConnell, EE; Chevalier, J; Hadley, JG; Bernstein, DM; Thevenaz, P; Anderson, R; "Chronic Inhalation Toxicity of Size-Separated Glass Fibers in Fischer 344 Rats" Fundamental and Applied Toxicology Vol.20; pp.464-476, 1993.

Hesterberg TW; Miller WC; Musselkman RP; Kamstrup O; Hamilton RD; Thevenaz P. Biopersistence of Man-Made Vitreous Fibers and Crocidolite Asbestos in Rat Lung Following Inhalation. *Fundamentals and Applied Toxicology*. 29:267–279. 1996.

Hesterberg, TW; Miller, WC; Thevenaz, P; Anderson, R; "Chronic Inhalation Studies of Man-Made Vitreous Fibres: Characterization of Fibres in the Exposure Aerosol and Lungs" Ann.Occup.Hyg. Vol.39, No.5, pp.637-653, 1995.

Hesterberg, TW; Vu, V; Chase, GR; McConnell, EE; Bunn, WB; Anderson, R; "Use of Animal Models to Study Man-Made Fiber Carcinogenesis" Communications in Cell and Molecular Biology Vol.2, Cellular and Molecular Aspects of Fiber Carcinogenesis pp.183-205, 1991.

Higgins, ITT; Glassman, JH; Oh, MS: Cornell, RG; "Mortality of Reserve Mining Company Employees in Relation to Taconite Dust Exposure." Amer J Epidemiology. Vol. 118, No. 5, pp. 710-719. 1983.

Hill, J.W., "Review of the Epidemiology of Man-Made Mineral Fibres." Biological Effects of Mineral Fibres, Wagner, J.C., ed., Vol. 2, No. 30, pp. 979-983, 1980.[5]

Hillerdal, G; "Mesothelioma: Cases Associated with Non-Occupational and Low Dose Exposures." Occupational and Environmental Medicine. Vol. 56, No. 8, pp. 505-513. Aug, 1999

Himizuka, G., Ohwada, H., Hayashi, Y., "Co-Carcinogenic Effects of Asbestos and Benzo(a)pyrene in the Lungs of Hamsters." Acta Pathology, Japan, Vol. 37, pp. 465-474, 1987.[1]

Hirano, S., Ono, M., Aimoto, A., "Functional and Biochemical Effects on Rat Lung Following Instillation of Crocidolite and Chrysotile Asbestos." Journal of Toxicology and Environmental Health, Vol. 24, pp. 27-39, 1988.[1]

Hiraoka, T; Ohkura, M; Morinaga, K; Shimazu, K; Ando, M; "Anthophyllite Exposure and Endemic Pleural Plaques in Kumamoto, Japan." Scandinavian Journal of Work Environment & Health. Vol. 24, No. 5, pp. 392-397. 1998.

Hiroshima, K; Suzuki, Y; "Characterization of Asbestos Bodies and Uncoated Fibers in Lungs of Hamsters" J. Electron Microese (Tokyo/Japan) Vol.42, No.1, ppp.41-47, 1993.

Hnizdo, E; Sluid-Cremer, GK; Baskind, E; Murray, J; "Biological Abstract: Emphysema and Airway Obstruction in Non-Smoking South African Gold Miners with Long Exposure to Silica Dust." Occupational and Environmental Medicine. Vol. 51, No. 8, pp. 557-563. 1994.

Hobbs, M., Woodward, S., Murphy, B., Musk, A., Elder, J., "The Incidence of Pneumoconiosis, Mesothelioma and Other Respiratory Cancer in Men Engaged in Mining and Milling Crocidolite

in Western Australia." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Sci. Publ #30, Vol. 2, pp. 615-626, 1980.

Hobson, J., Gilks, B., Wright, J., Churg, A., "Direct Enhancement by Cigarette Smoke of Asbestos Fiber Penetration and Asbestos-Induced Epithelial Proliferation in Rat Tracheal Explants." Journal of the National Cancer Institute, Vol. 80, No. 7, June 1, 1988.[3]

Hochella, MF. Jr; "Surface Chemistry, Structure, and Reactivity of Hazardous Mineral Dust."

Hodgson, A.A., "Scientific Advances in Asbestos, 1967 to 1985." Anjalena Publications, 1986.[3]

Hodgson, A.A., "Chemistry and Physics of Asbestos." Asbestos, Vol. 1, Chapter 3, pp. 67-114.

Hodgson AA. Fibrous Silicates. Lecture Series No. 4. The Royal Institute of Chemistry, London, United Kingdom. 1965.

Hodgson J; Darnton A. The Quantitative Risk of Mesothelioma and Lung Cancer in Relation to Asbestos Exposure. *Annals of Occupational Hygiene*. 44(8):565–601. 2000.

Hodgson, J.T., Jones, R.D., "Mortality of Asbestos Workers in England and Wales 1971-81." British Journal of Industrial Medicine, Vol. 43, pp. 158-164, 1986.

Holian, A., Roney, P.L., "Superoxide Anion Production Induced by Chrysotile Asbestos in the Guinea Pig Alveolar Macrophage." Effects of Mineral Dusts on Cells, NATO ASI Series, Vol. H30, Proceedings of the NATO Advanced Research Workshop on In Vitro Effects of Mineral Dusts on Cells held at Auberge Estrimont, Oxford, Quebec, Canada, September 20-23, 1988.[3]

Holian, A; Uthman, MO; Goltsova, T; Brown, SD; Hamilton, RF; "Asbestos and Silica-Induced Changes in Human Alveolar Macroophage Phenotype." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1139-1142. September, 1997.

Hollett, B.A., Froehlich, P.A., Caplan, P.E., Cooper, T.C., Shulman, S.A., "An Evaluation of Glove Bag Containment in Asbestos Removal." October 1990.

Holmes, A., Morgan, A., "Leaching of Constituents of Chrysotile Asbestos *In Vivo*." Nature, Vol. 215, pp. 441-442, 1967.

Holmes, S., "Environmental Data in Industry." IARC Sci Publ., #8, Vol. 8, pp. 135, 1973.[2]

Holmes, S., "Developments in Dust Sampling and Counting Techniques in the Asbestos Industry." Ann. NY Academy of Sciences, Vol. 132, pp. 288-297, 1965.

Homa, DM; Garabrant, DH; Gillespie, BW; "A Meta-Analysis of Colorectal Cancer and Asbestos Exposure." American Journal of Epidemiology. Vol. 139, No. 12, pp. 1210-1222. 1994.

Honda, Y; Beall, C; Belzell, E; Oestenstad, K; Brill, I; and Matthews, R. "Mortality among workers at a talc mining and milling facility. *Ann Occup Hyg* 46(7): 575-585. 2002.

Hornung, R.W., Reed, L.D., "Estimation of Average Concentration in the Presence of Nondetectable Values." Applied Occupational and Environmental Hygiene, Vol. 5, No. 1, pp. 46-51, 1990.

Hostetler, P.B. Christ, C.L., "Studies in the Systems $MgO-SiO_2-CO_2-H_2O(I)$: The Activity-Product Contact of Chrysotile." Geochimica et Cosmochimica Acta, Pergamon Press, publ., Vol. 32, pp. 485-497, 1968.

Howel, D; Arblaster, L; Swinburne, L; Schweiger, M; Renvoize, E; Hatton, P; "Routes of Asbestos Exposure and the Development of Mesothelioma in an English Region." Occup and Environ Med. Vol. 54, No. 6, pp. 403-409. 1997.

Howel, D; Gibbs, A; Arblaster, L; Swinburne, L; Schweiger, M; Renvoize, E; Hatton, P; Pooley, F; "Mineral Fibre Analysis and Routes of Exposure to Asbestos in the Development of Mesothelioma in an English Region." Occupational and Environmental Med. Vol. 56, No. 1, pp. 51-58. 1999

Hu, H; Christiani, DC; Moy, EV; "A Retired Shipyard Worker with Rapidly Progressive Pulmonary Interstitial Fibrosis." Environmental Health Perspectives. Vol. 107, No. 4, pp. 321-327. April, 1999.

Hubbard, R; "The Aetiology of Mesothelioma: Are Risk Factors Other Than Asbestos Exposure Important?" Thorax. Vol. 52, No. 6, pp. 496-7. June 1997.

Hueter, F.G., "Long Term Inhalation Exposure Experience with Reference to Air Pollution." Proceedings of the Conference on Atmospheric Contamination in Confined Spaces, 30 March - 1 April 1965, Air Force Systems Command, publ., Vol. Dec., pp. 148-165, 1986.

Hughes, JM; "The Derivation and Use of Asbestos Risk Estimates" Symposium on Health Aspects of Exposure to Asbestos in Buildings pp.267-278 December 1989.

Hughes, JM; Jones, RN; Glindmeyer, HW; Hammad, YY; Weill, H; "Follow Up Study of Workers Exposed to Man Made Mineral Fibres." Brit J Ind Med. Vol. 50, pp. 658-667. 1993.

Hughes, JM; Weill, H; "Asbestosis as a Precursor of Asbestos Related Lung Cancer: Results of a Prospective Mortality Study." Br J Ind Med. Vol. 48, pp. 229-233. 1991.

Hughes, J.M., Weill, H., "Asbestos Exposure: Quantitative Assessment of Risk." American Review of Respiratory Disease, Vol. 133, pp. 5-13, 1986.[(1)(2)]

Hughes, J.M., Weill, H., "Lung Cancer Risk Associated with Manufacture of Asbestos-Cement Products." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, pp. 627-636, 1980.[(1)(2)]

Hughes, J.M., Weill, H., Hammad, Y.Y., "Mortality of Workers Employed in Two Asbestos Cement Manufacturing Plants." Br J Ind Med. Vol. 44, pp. 161-174, 1987.[(1)(2)]

Huilan, Z; Zhiming, W; "Study of Occupational Lung Cancer in Asbestos Factories in China." Br J Ind Med. Vol. 50, pp. 1039-1042. 1993.

Hume LA; Rimstidt. The Biodurability of Chrysotile Asbestos. *American Mineralogist.* 77:1125–1128. 1992.

Huncharek, M; "Asbestos and Cancer: Epidemiological and Public Health Controversies." Cancer Investigation. Vol. 12, No. 2, pp. 2140222. 1994.

Huncharek, M., "Chrysotile Asbestos Exposure and Mesothelioma." British Journal of Industrial Medicine, Vol. 44, pp. 287-288, 1987.(2)

Huncharek, M., "Asbestos-Related Mesothelioma Risk Among Railroad Workers." American Review of Respiratory Disease, Vol. 135, No. 4, pp. 983-984, 1987.(2)

Huncharek, M., Capatorto, J.V., Muscat, J., "Domestic Asbestos Exposure, Lung Fibre Burden, and Pleural Mesothelioma in a Housewife." British Journal of Industrial Medicine, Vol. 46, pp. 354-355, 1989.

Hunt, G.R., Evarts, R.C., "The Use of Near-Infrared Spectroscopy to Determine the Degree of Serpentinization of Ultramafic Rocks." Geophysics, Vol. 46, No. 3, pp. 316-321, 1981.(3)

Hurbankova, M; Kaiglova, A; "Some Bronchoalveolar Lavage Parameters and Leukocyte Cytokine Release in Response to Intratracheal Installation of Short and Long Asbestos and Wollastonite Fibres in Rats." Physiological Research. Vol. 46, No. 6, pp. 459-466. 1997.

Hurlbut, CS. Jr; Klein, C; Manual of Mineralogy. 19th Edition. 1959.

Hwang, C-Y; Size and Shape of Airborne Asbestos Fibres in Mining and Mineral Processing Environments , 1981.

Hwang, C.Y., Gibbs, G.W., "The Dimensions of Airborne Asbestos Fibres --I. Crocidolite from Kuruman Area, Cape Province, South Africa." Annals Occupational Hygiene, Vol. 24, No. 1, pp. 23-41, 1981.(1)

Hyndman, DW; Petrology of Igneous and Metamorphonic Rocks , pp.305-321,1972.

Ilg, AGS; Bignon, J; Valleron, A-J; "Estimation of the Past and Future Burden of Mortality from Mesothelioma in France." Occupational and Environmental Med. Vol. 55, No. 11, pp. 760-765. 1998.

Ilgren, EB. "The biology of cleavage fragments: A brief synthesis and analysis of current knowledge. *Indoor Built Environ* 13:343-356. 2004.

Ilgren, EB; El Dorado County Environmental Asbestos Exposure Concerns: Letter. 10 May, 1999.

Ilgren, EB; Mesotheliomas of Animals August 20, 1993.

Ilgren, EB; Initiation and Promotion in Skin or Liver Neoplasia December 23, 1991.

Ilgren, Eb; "Mesothelioma Threshold" Effects of Mineral Dusts on Cells NATO ASI Series Vol.30 , pp.455-464, 1989.

Ilgren, E.G., "Mesothelioma Threshold." Effects of Mineral Dusts on Cells, NATO ASI Series, Vol. H30, Proceedings of the NATO Advanced Research Workshop on In Vitro Effects of Mineral Dusts on Cells held at Auberge Estrimont, Oxford, Quebec, Canada, September 20-23, 1988.[3]

Ilgren, EB; Browne, K; "Asbestos-Related Mesothelioma: Evidence for a Threshold in Animals and Humans." Regulatory Toxicology and Pharmacology. Vol. 13, pp. 116-132. 1991.

Ilgren, E; Chatfield, E; "Coalinga Fibre - A Short, Amphibole-Free Chrysotile." Part 1: Evidence for a Lack of Fibrogenic Activity. Indoor Built Environ. Vol. 6, pp. 264-276. 1997.

Ilgren, E; Chatfield, E; "Coalinga Fibre - A Short, Amphibole-Free Chrysotile." Part 2: Evidence for Lack of Tumourigenic Activity. Indoor Built Environ. Vol. 7, pp. 18-31. 1998.

Ilgren, E; Chatfield, E; "Coalinga Fibre: A Short, Amphibole-Free Chrysotile ." Part 3: Lack of Biopersistence. Indoor Built Environ. Vol. 7, pp. 98-100. 1998.

Infante, PF; Schuman, LD; Dement, J; Huff, J; "Fibrous Glass and Cancer." Amer J Ind Med. Vol. 26, pp. 559-584. 1994.

Innes, J.R.M., "The Need for Critical Evaluation of Choice of Animal Species for Continuous Inhalation Exposure Experiments."Proceedings of the Conference on Atmospheric Contamination in Confined Spaces, 30 March - 1 April 1965, Air Force Systems Command, publ., Vol. Dec., pp. 34-45, 1986.

Integrated Risk Information System (IRIS). Toxicological Review of Asbestos. U.S. Environmental Protection Agency. Office of Research and Development, National Center for Environmental Assessment. Washington, D.C. http://www.epa.gov/iris/subst/0371.htm. Current.

International Agency for Research on Cancer (IARC). Monographs on the Evaluation of Carcinogenic Risks to Man. Volume 14. IARC Scientific Publications. Lyon, France. 1977.

International Organization for Standardization (ISO). *Ambient Air-Determination of Asbestos Fibres - Direct-Transfer Transmission Electron Microscopy Method.* ISO 10312. 1995.

International Organization for Standardization (ISO), "Precision of Test Methods - Determination of Repeatability and Reproducibility by Inter-Laboratory Tests." ISO 5725, 1981.

Ishizaki, T; Yano, E; Evans, PH; "Cellular Mechanisms of Reactive Oxygen Metabolite Generation from Human Polymorphonuclear Leukocytes Induced by Crocidolite Asbestos." Environmental Research. Vol. 75, No. 2, pp. 135-140. 1997.

Jaffrey, SAMT; Rood, AP; Llewellyn, JW; Wilson, AJ; "Levels of Airborne Man-Made Mineral Fibres in Dwellings in the UK: Results of a Preliminary Survey" IARC Sci Publ (France) Vol.90, pp.319-322, 1989.

Jagirdar, J; Lee, TC; Reibman, J; Gold, LI; Aston, C; Begin, R; Rom, WN; "Immunohistochemical Localization of Tranforming Growth Factor Beta Isoforms in Asbestos-Related Diseases." Environmental Health Perpsectives. Vol. 105, Supplement 5, pp. 1197-1203. September, 1997.

Janssen, Y.M.W., Marsh, J.P., Absher, M.P., Hemenway, D., Vacek, P.M., Leslie, K.P., Borm, P.J.A., Mossman, B.T., "Expression of Antioxidant Enzymes in Rat Lungs after Inhalation of Asbestos or Silica." The Journal of Biological Chemistry, Vol. 267, No. 15, Issue of May 25, pp. 10625-10630, 1992.[3]

Janssen, Y.M.W., Marsh, J.P., Borm, P.J.A., Surinrut, P., Haldeman, K., Mossman, B.T., "Asbestos Mediated Gene Expression in Rat Lung." Mechanisms in Fibre Carcinogenesis, Brown, R.C., et al., eds., Plenum Press, New York, pp. 359-365, 1991.[3]

Janssen, YMW; Driscoll, KE; Timblin, CR; Hassenbein, D; Mossman, BT; "Modulation of Mitochondrial Gene Expression in Pulmonary Epithelial Cells Exposed to Oxidants." Environmental Health Perspectives. Vol. 106, No. 5, pp. 1191-1195. 1998.

Jarvholm, B., Malker, H., Malker, B., Ericsson, J., Sallisten, G., "Pleural Mesotheliomas and Asbestos Exposure in the Pulp and Paper Industries: A New Risk Group Identified by Linkage of Official Registers." American Journal of Industrial Medicine, Vol. 13, pp. 561-567, 1988.[2]

Jarvholm, B; Sanden, A; "Lung Cancer and Mesothelioma in the Pleura and Peritoneum Among Swedish Insulation Workers." Occup Environ Med. Vol. 55, No, 11, pp. 766-70. November,1998.

Jarvholm, B., Sanden, A., "Estimating Asbestos Exposure: A Comparison of Methods." Journal of Occupational Medicine, Vol. 29, No. 4, pp. 361-363, 1987.

Jaurand, M-C; "Mechanisms of Fiber-Induced Genotoxicity." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1073-1084. September, 1997.

Jaurand MC. Observations on the Carcinogenicity of Asbestos Fibers. *Annals New York Academy of Science*. 643:258–70. 1991.

Jaurand, M-C; Bignon, J; "Focus on Mesothelioma and the Mesothelial Cell." Eur. Respir J. Vol. 6, No. 3, pp. 319-321. March, 1993.

Jaurand, M-C; Fleury, J; Monchaux, G; Nebut, M; Bignon, J; "Pleural Carcinogenic Potency of Mineral Fibers (Asbestos, Attapulgite) and Their Cytotoxicity on Cultured Cells." JNCI. Vol. 79, No. 4, pp. 797-804. October, 1987.

Jaurand, M.C., Magne, I., Bignon, J., "Mechanism of Haemolysis by Chrysotile Fibres." Toxicology Letters, Vol. 15, pp. 205-211, 1983.

Jaurand, M.C., Thomassin, J.H., Baillif, P., Magne, L., Touray, J.C., Bignon, J., "Chemical and Photoelectron Spectrometry Analysis of the Adsorption of Phospholipid Model Membranes and Red Blood Cell Membranes on to Chrysotile Fibres." British Journal of Industrial Medicine, Vol. 37, pp. 169-174, 1980.

Javitz, H.S., Fowler, D.P., "Statistical Analysis of Microscopic Counting Data." Electron Microscopy, pp. 199-218, 1981.

Jenkins, OP; Mineral Commodities of California - Geologic Occurance, Economic Development and Utilizition of the State's Mineral Resources State of California,pp.50-58, 1957.

Jesch NK; Dorger M; Enders G; Rieder G; Vogelmeier C; Messmer K; Krombach F. Expression of the Inducible Nitric Oxide Synthase and Formation of Nitric Oxide by Alveolar Macrophages. *Environmental Health Perspectives.* 105(Suppl 5):1297–1300. September. 1997.

Joeckel, K-H; Pohlabeln, H; Roemer, W; "Risk Factors for Diffuse Malignant Mesothelioma: Epidemiologic Results." Journal of Cancer Research and clinical Oncology. Vol. 129, No. Suppl. pp. R141. 1994.

John, W., "Techniques for the Sampling of Airborne Particulate Matter." Electron Microscopy and X-Ray Applications in Environmental and Occupational health Analysis, Volume 2, 1981.

John, W., Berner, A., Smith, G., Wesolowski, J., "Experimental Determination of the Number and Size of Asbestos Fibers in Ambient Air." Report, California Air Resources Board, Report #ARB-R-3-688-96-45, California Department of Health, ed., NTIS No. PB-254 086, 1976.

Johnson, JF; "The Limitations of Inhalation, Intratracheal, and Intracoelomic Routes of Administration for Identifying Hazardous Fibrous Materials." Fiber Toxicology (D. Warheidt, Ed.) Chapter 3, pp. 43-72. 1993.

Johnson, N.F., "Asbestos-Induced Changes in Rat Lung Parenchyma." Journal of Toxicology and Environmental Health, Vol. 21, pp. 193-203, 1987.(1)

Johnson, N.F., Griffiths, D.M., Hill, R.J., "Size Distribution Following Long-Term Inhalation of MMMF." Biological Effects of Man-Made Mineral Fibers, IARC Sci. Pub., WHO, Vol. 2, pp. 102-125, 1982.

Johnson, NF; Jaramillo, RJ; "P53, Cip 1, and Gadd 153 Expression Following Treatment of A549 Cells with Natural and Man-Made Vitreous Fibers." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1143-1145. September, 1997.

Johnston, A.M., "Review of Present-day Automated Asbestos Fibre Counting Instruments and Some Future Proposals." U.S. Dept. of Commerce, No. NTIS-PB86-179447, 1985.(1)

Johnston, A.M., Jones, A.D., Vincent, J.H., "The Influence of External Aerodynamic Factors on the Measurement of the Airborne Concentration of Asbestos Fibres by the Membrane Filter Method." Annals Occupational Hygiene, Vol. 25, No. 3, pp. 309-316, 1982.(1)

Joint Federal Task Force of the Drug Enforcement Administration, U.S. Environmental Protection Agency, U.S. Coast Guard, "Proposed Guidelines for the Cleanup of Clandestine Drug Laboratories." 1989.(3)

Jolicoeur, C., Roberge, P., Fortier, J., "Separation of Short Fibers from Bulk Chrysotile Asbestos Fiber Materials: Analysis and Physico-chemical Characterization." Canadian Journal of Chemistry, Vol. 59, pp. 1140-1148, 1981.[1]

Jones, AD; Johnston, AM; Vincent, JH; "Static Electrification of Airborne Asbestos Dust." Aerosols in the Mining and Industrial Work Environment. (Chapter 18) Vol. 2, pp. 613-632. 1983.

Jones, A.D., McMillan, C.H., Johnston, A.M., McIntosh, C., Cowie, H., Bolton, R.E., Borzuki, G., Vincent, J.H., "Pulmonary Clearance of UICC Amosite Fibres Inhaled by Rats During Chronic Exposure at Low Concentrations." British Journal of Industrial Medicine, Vol. 45, pp. 300-304, 1988.[1]

Jones, AD; Vincent, JH; McIntosh, C; McMillan, CH; Addison, J; " The Effect of Fibre Durability on the Hazard Potential of Inhaled Chrysotile Asbestos Fibres" Exp. Pathol (Germany, East) Vol.37, No.1-4, pp.98-102, 1989.

Jones, B., Thomas, P., "Incidence of Mesothelioma in Britain." The Lancet, Little, Brown and Company, publ., Vol. I, pp. 1275, 1986.[2]

Jones, D.E.C., Silver, D., "Peritoneal Mesotheliomas." Surgery, Vol. 86, pp. 556-560, 1979.

Jones, D.R., "Asbestos Analyses of Crushed Stone Samples." U.S. Environmental Protection Agency, Office of Air, Noise, and Radiation, Office of Air Quality Planning and Standards, EPA-450/3-80-039, April 1981.[3]

Jones, J.S.P., Pooley, F.D., Smith, P.G., "Factory Populations Exposed to Crocidolite Asbestos - A Continuing Survey." Inserm Symposia Series, Vol. 52, IARC Scientific Publications No. 13, pp. 117-120, 1976.

Jones, J.S.P., Smith, P.G., Pooley, F.D., Berry, G., Sawle, G.W., Madeley, R.J., Wignall, B.K., Aggarwal, A., "The Consequences of Exposure to Asbestos Dust in a Wartime Gas-Mask Factory." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, pp. 637-653, 1980.[1][2][5]

Jones, R.D., Smith, D.M., Thomas, P.G., "Mesothelioma In Great Britain in 1968-1983." Scandinavian Journal of Work and Environmental Health, Vol. 14, pp. 145-152, 1988.[2]

Jones, R.N., Diem, J., Glindmeyer, H., Weill, H., Gilson, J., "Progression of Asbestos Radiographic Asbestos Radiographic Abnormalities: Relationships to Estimates of Dust Exposure and Annual Decline in Lung Function." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, pp. 537-544, 1980.[1][5]

Kagan, E; Choe, N; Hemenway, DR; Iwagaki, A; Tanaka, S; Zhang, J; "Asbestos Exposure Upregulates the Adhesion of Pleural Leukocytes to Pleural Mesothelial Cells Via VCAM-1." Amer J Physiology. Vol. 277, No. 2, pp. L292-L300. Aug, 1999.

Kagan, E., Inamoto, T., Georgian, M.M., "Altered Functional Expression of Alveolar Macrophage Subpopulations After Serpentine and Amphibole Asbestos Exposure." Effects of

Mineral Dusts on Cells, NATO ASI Series, Vol. H30, Proceedings of the NATO Advanced Research Workshop on In Vitro Effects of Mineral Dusts on Cells held at Auberge Estrimont, Oxford, Quebec, Canada, September 20-23, 1988.[3]

Kagen, E., Oghiso, Y., Hartmann, D.P., "The Effects of Chrysotile and Crocidolite Asbestos on the Lower Respiratory Tract: Analysis of Bronchoalveolar Lavage Constituents." Environmental Research, Vol. 32, pp. 382-397, 1983.

Kagen, E., Solomon, A., Cochrane, J.C., Beissner, E.I., Gluckman, J., Rocks, P.H., Webster, I., "Immunological Studies of Patients with Asbestosis. I. Studies of Cell-Mediated Immunity." Clin. Exp. Immunol., Vol. 28, pp. 261-267, 1977.

Kaiglova, A; Hurbankova, M; Kovacikova, Z; "Impact of Acute and Subchronic Asbestos Exposure on Some Parameters of Antioxidant Defense System and Lung Tissue Injury." Industrial Health. Vol. 37, No. 3, pp. 348-351. July, 1999.

Kamp, DW; Dunne, M; Dykewicz, MS; Sbalchiero, JS; Weitzman, SA; Dunn, MM; "Asbestos-Induced Injury to Cultured Human Pulmonary Epithelial-like Cells: Role of Neutroophil Elastase." J Leukocyte Biology. Vol. 54, July, 1993.

Kamp, DW; Graceffa, P; Pryor, WA; Weitzman, SA; "The Role of Free Radicals in Asbestos-Induced Diseases." Free Radical Biology & Medicine. Vol. 12, pp. 293-315. 1992.

Kamp, DW; Greenberger, MJ; Sbalchierro, JS; Preusen, SE; Weitzman, SA; "Cigarette Smoke Augments Asbestos-Induced Alveolar Epithelial Cell Injury: Role of Free Radicals." Free Radical Biology & Medicine. Vol. 25, No. 6, pp. 728-739. 1998.

Kamp, DW; Weitman, SA; "The Molecular Basis of Asbestos Induced Lung Injury." Thorax. Vol. 54, No. 7, pp. 638-652. July, 1999.

Kanazawa, K., Birbeck, M.S.C., Carter, R.L., Roe, F.J.C., "Migration of Asbestos Fibres from Subcutaneous Injection Sites in Mice." British Journal of Cancer, Vol. 24, pp. 96-106, 1970.

Kane, AB; Macdonald, JL; "Mechanisms of Mesothelial Cell Injury, Proliferation, and Neoplasia Induced by Asbestos Fibers." Fiber Toxicology. Chapter 14, pp. 323-347. 1993.

Kannerstein, M., "Recent Advances and Perspectives Relevant to the Pathology of Asbestos-Related Diseases in Man." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Sci. Publ., Vol. 1, No. 30, pp. 149-162, 1980.

Kannerstein, M., Churg, J., "Mesothelioma in Man and Experimental Animals." Environmental Health Perspectives, Vol. 34, pp. 31-36, 1980.

Karacharova, B.H., 'Russian Text,' Biull Eksp. Biol. Med., Vol. 67, pp. 117-120.

Karaffa, M., Amick, R., Crone, A., Zimmer, C., "Assessment of Assay Methods for Evaluating Asbestos Abatement Technology at the Carvallis Environmental Research Laboratory." U.S. Environmental Protection Agency, Water Engineering Research Lab, EPA 600/2-86-070, NTIS PB87-110961, 1986.

Karasaki, Y; Urano, H; Shirahata, A; Nambu, Z; Ohji T; Miura, M; Gotoh, S; "Increases in DNA and Protein Syntheses in Human Umbilical Vein Endothelial Cells Treated with Asbestos." Journal of Occupational Health. Vol. 40, No. 4, pp. 302-306. 1998.

Karjalainen, A; Antilla, S; Vanhala, E; Vainio, H; "Asbestos Exposure and the Risk of Lung Cancer in a General Urban Population" Scand. J. Work. Environ. Health Vol.20, pp.243-50, 1994.

Kasai, H; Asami, S; Shinya, Fukada, S; Hirano, T; Ootsuyama, Y; Tanaka, I; Tsuda, T; Tsurudome, Y; Yamaguchi, R; Yamato, H; "Increased 8-Hydroxyguanine in DNA and Its Repair Activity in Hamster and Rat Lung after Intratracheal Instillation of Crocidolite Asbestos." Japanese Journal of Cancer Research. Vol. 90, No. 5, pp. 505-509. May, 1999.

Kasai, H., Nishimura, S., "DNA Damage Induced by Asbestos in the Presence of Hydrogen Peroxide." Gann, Vol. 75, pp. 841-844, 1984.

Kauffer, E., Vigneron, J.C., Hesbot, A., Lemonnier, M., "A Study of the Length and Diameter of Fibres, in Lung and in Broncho-Alveolar Lavage Fluid, Following Exposure of Rats to Chrysotile Asbestos." Annals of Occupational Hygiene, Vol. 31, No. 2, pp. 233-240, 1987.(1)

Kauppinen, T., Korhonen, K., "Exposure to Asbestos During Brake Maintenance of Automotive Vehicles by Different Methods." American Industrial Hygiene Association Journal, Vol. 48, No. 5, pp. 499-504, 1987.(1)

Keane, MJ; Miller, WE; Ong, T; Stephens, JW; Wallace, WE; Zhong, B-Z; "A Study of the Effect of Chrysotile Fiber Surface Composition on Genotoxicity In Vitro." Journal of Toxicology and Environmental Health Part A. Vol. 57, No. 8, pp. 529-541. Aug, 1999.

Keenan, R.G., Lynch, J.R., "Techniques for Detection, Identification, and Analysis of Fibers." American Industrial Hygiene Journal, Vol. 31, No. 5, pp. 587-604, 1970.(2)

Kelley, J; "Occupational Lung Diseases Caused by Asbestos, Silica, and Other Silicates" Textbook of Pulmonary Diseases 6th ed., edited by Baum, GL; Crapo, JD; Celli, BR; Karlinsky, JB; Lippincott-Raven Publishers, Philadelphia, 1998.

Kelsey, K., Christiani, D.C., Little, J.B., "Enhancement of Benzo[a]pyrene-Induced Sister Chromatic Exchanges in Lymphocytes from Cigarette Smokers Occupationally Exposed to Asbestos." JNCI, Vol. 77, No. 2, pp. 321-327, 1986.

Kelsey, KT; Christiani, DC; Mark, EJ; Nelson, HH; Wain, JC Wiencke, JK; "K-Ras Mutation and Occupational Asbestos Exposure in Lung Adenocarcinoma: Asbestos-Related Cancer Without Asbestosis." Cancer Research. Vol. 59, No. 18, pp. 4570-4573. Sept, 1999.

Kelso, G.L., Erikson, M.D., Cox, D.C., "Field Manual for Grid Sampling of PCB Spill Sites to Verify Cleanup." U.S. Environmental Protection Agency, Office of Toxic Substances, EPA 560/15-86-017, NITS, publ., 1986.

Kendig, E., "Further Consideratin of Proposed New Rule 1004, Asbestos-Containing Serpentine Material." Memorandum to the Air Pollution Control Board, 1992.(4)

Kenny, L.C., "Automated Analysis of Asbestos Clearance Samples." Ann. occup. Hyg., Vol. 32, No. 1, pp. 115-128, 1988.[3]

Kenny, L.C., "Asbestos Fibre Counting by Image Analysis - the Preformance of the Manchester Asbestos Program on Magiscan." Ann. occup. Hyg., Vol. 28, No. 4, pp. 401-415, 1984.[3]

Kerenyi, T; Jackel, M; Voss, B; Muller, KM; Grasbon, S; "Different Types of Asbestos-Induced Focal Mesothelial Proliferations in Rats." Laboratory Investigation. Vol. 78, No. 1, pp. 176A. 1998.

Kerr, P.F., Optical Mineralogy, 4th Edition, McGraw-Hill, publ., 1977.

Keyes, D.L., Beard, M., Breen, J., "Measuring Airborne Asbestos Following an Abatement Action." U.S. Environmental Protection Agency Report No. EPA 600/4-85-049, Office of Research and Development, ed., NTIS, publ, Vol. November 1985.

Keye, D., Chesson, J., "Summary of the Aspen Experiments." January 12, 1990.[3]

Keyes, D.L., Chesson, J., A Guide to Monitoring Airborne Asbestos in Buildings. 1989.

Keyes, DL; Chesson, J; Ewing, WM; Faas, JC; Hatfield, RL; Hays, SM; Longo, WE; Millette, JR; "Exposure to Airborne Asbestos Associated with Simulated Cable Installation Above a Suspended Ceiling" Am.Ind.Hyg.Assoc.J. Vol.52; No.11, pp.479-484, November 1991.

Keyes, D.L., Chesson, J., Price, B.P., "Guidance for Controlling Asbestos-Containing Materials in Buildings." U.S. Environmental Protection Agency Report No. EPA 560/5-85-024, Office of Toxic Substances, ed., 1985.

Kiefer, M.J., Buchan, R.M., Keefe, T.J., Blehm, K.D., "A Predictive Model for Determining Asbestos Concentrations for Fibers Less Than Five Micrometers in Length." Environmental Research, Vol. 43, pp. 31-38, 1987.

Kim, W.S., Carter, J.W., Kopel, R.E., "Test for Screening: Asbestos." NIOSH Report No. c-80-110, NTIS Report #PB80-198385, 1979.

Kimizuka, G., Ohwada, H., Hayashi, Y., "Co-Carcinogenic Effect of Asbestos and Benzo(a)pyrene in the Lung of Hamster." Acta Pathol. Japan, Vol. 37, No. 3, pp. 465-474, 1987.

Kimizuka, G., Wang, N., Hayashi, Y., "Physical and Microchemical Alterations of Chrysotile and Amosite Asbestos in the Hamster Lung." Journal of Toxicology and Environmental Health, Vol. 21, pp. 251-264, 1987.

Kimmerle, F.M., Noel, L., Khorami, J., "Quantitative IR-ATR Spectrometry of Asbestos Fibers on Membrane Filters." Canadian Journal of Chemistry, Vol. 62, No. 3, pp. 441-451, 1984.

King, E.J., Clegg, J.W., Rae, V.M., "The Effect of Asbestos, and of Asbestos and Aluminum, on the Lungs of Rabbits." Thorax, Vol. 1, pp. 188-197, 1946.[1]

Kinsey, J.S., "Lime and Cement Industry Particulate Emissions Source Category Report; Volume II. Cement Industry." U.S. Environmental Protection Agency Report No. EPA 600/7-87-007, Midwest Research Institute, ed., NTIS #PB87-168654, 1987.

Kinsey, J.S., "Lime and Cement Industry Particulate Emissions Source Category Report; Volume I. Lime Industry." U.S. Environmental Protection Agency Report No. EPA 600/7-86-031, Midwest Research Institute, ed., NTIS #PB87-103628, 1986.

Kirk-Othmer; Encyclopedia of Chemical Technology Third Edition, Volume 3, Antibiotics (Phenazines) to Bleaching Agents, pp.267-283, 1989

Kirk, I., Othmer, D.F., "Asbestos." Encyclopedia of Chemical Technology, Third Edition, Vol. 3, John Wiley & Sons, pp. 267-283, 1978.

Kishimoto, T., Okada, K., Sato, T., Ono, T., Ito, H., "Evaluation of the Pleural Malignant Mesothelioma Patients with the Relation of Asbestos Exposure." Environmental Research, Vol. 48, pp. 42-48, 1989.

Kitto, P.H., "South African Methods for the Assessment of Dust in Gold and Coal Mines." Pneumoconiosis: Proceedings of the International Conference, Johannesburg 1969, Shapiro, H.A., ed., pp. 457-461, 1970.

Kjuus, H., Langard, S., Skjaerven, R., "A Case-Referent Study of Lung Cancer, Occupational Exposures, and Smoking - Etiologic Fraction of Occupational Exposures." Scandinavian Journal of Work and Environmental Health, Vol. 12, pp. 210-215, 1986.(2)

Kjuus, H., Skjaerven, R., Langard, S., Lien, J.T., Aamodt, T., "A Case-Referent Study of Lung Cancer, Occupational Exposures, and Smoking - Role of Asbestos Exposure." Scandinavian Journal of Work and Environmental Health, Vol. 12, pp. 203-209, 1986.(2)

Klein, C; "Rocks, Minerals and a Dusty World." *Reviews in Mineralogy, Vol. 28: Health Effects of Mineral Dusts.* G.D. Guthrie and B.T. Mossman, eds., Pp. 7-59. 1993.

Klein, C; Hurlbut, CS.Jr.; Manual of Mineralogy pp.488-498, 1977.

Kleinfeld, M., "Mortality Experience of New York Talc Miners and Millers." Proceedings of the Symposium on Talc, Washington, C.D., pp. 4-11, May 8, 1973.(3)

Kleinfeld, M., Messite, J., Kooyman, O., Zaki, M., "Mortality Among Talc Miners and Millers in New York State," Archives of Environmental Health, Vol. 14, pp. 663-667, 1967.(1)

Kleinfeld, M; Messite, J; Langer, AM; "A Study of Workers Exposed to Asbestiform Minerals in Commercial Talc Manufacture." Environmental Research. Vol. 6, pp. 132-143. 1973.

Kleinfeld, M; Messite, J; Zaki, MH; "Mortality Experiences Among Talc Workers: A Follow-Up Study." J Occup Med. Vol. 16, No. 5, pp. 345-349. May, 1974.

Kleinfeld, M; Messite, J; Zaki, MH; "Mortality Experiences Among Talc Workers: A Follow-Up Study." J Occup Med. Vol. 16, No. 5, pp. 345-349. May, 1974.

Klug, H.P., Alexander, L.E., X-Ray Diffraction Procedures for Polycrystalline and Amorphous Materials, Second Edition. John Wiley & Sons, publ., 1974.

Kodama Y; Boreiko CJ; Maness SC; Hesterberg TW. Cytotoxic and Cytogenetic Effects of Asbestos on Human Bronchial Epithelial Cells in Culture. *Carcinogenesis.* 14(4):691–697. 1993.

Kohiyama, N; "Airborne Asbestos Levels in Non-Occupational Environments in Japan" IARC Sci.Publ. (France) Vol.90, pp.262-276, 1989.

Kohyama, N; Suzuki, Y; "Analysis of Asbestos Fibers in Lung Parenchyma, Pleural Plaques, and Mesothelioma Tissues of North American Insulation Workers" Ann N Y Acad Sci pp.27-52, 1991.

Kohiyama, N; Tomita, M; "Determination Methods of Airborne Fibrous Particles by Means of PCM, SEM and TEM" Kuki Seijo Vol.32, No.5, pp.389-401, 1995.

Kolev, K., "Experimentally Induced Mesothelioma in White Rats in Response to Intraperitoneal Administration of Amorphous Crocidolite Asbestos: Preliminary Report." Environmental Research, Vol. 29, pp. 123-133, 1982.

Kolek, V; Petrek, M; Fialova, J; Myslivecek, M; Herman, J; Duskova, M; "The Importance of Determination of Alveolar Changes in Workers with Asbestos." Pracovni Lekarstvi. Vol. 48, No. 2, pp. 79-84. 1996.

Kolk, A; "Appendix 6 : Soil Procedure for PLM" EMS Laboratories Inc. Pasadena CA.

Kominsky, JR; Freyberg, RW; "Project Summary: Asbestos Fiber Reentrainment During Dry Vacuuming and Wet Cleaning of Asbestos-Contaminated Carpet" U.S. EPA/600/S2-91/004 May 1991.

Kominsky, J.R., Freyberg, R.W., "Statistical Evaluation of Airborne Asbestos Measured Before, During, and After Abatement." Paper Presented at the National Asbestos Council Conference, March 29-31, 1989, PEI Associates, ed., U.S. Environmental Protection Agency, Risk Reduction Engineering Lab, publ., 1989.

Kominsky, JR; Freyberg, RW; Boiano, JM; "Project Summary: Airborne Asbestos Concentrations During Buffing, Burnishing, and Stripping of Resilient Floor Tile" U.S. EPA/600/SR-95/121, Nat. Risk Managm. Research Lab., August 1995.

Kominsky, JR; Freyberg, RW; Clark, PJ; Edwards, A; Wilmoth, RC; Brackett, KA "Asbestos Exposures During Routine Floor Tile Maintenance. Part 1: Spray-Buffing and Wet-Stripping" Appl.Occup.Environ.Hyg. Vol.13 No.2, February 1998.

Kominsky, JR; Freyberg, RW; Hollett, BA; Clark, PJ; Brackett, KA; Wilmoth, RC; "Asbestos Fiber Release During Change-Out of Filter Bags From HEPA- Filtered Vacuum Cleaners" EPA/600/J-91/258, NAC Journal pp.15-20, 1
1991.

Koskinnen, K; Zitting, A; Tossavainen, A; Rinne, JP; Roto, P; Kivekas, J; Reijula, K; Huuskonen, MS; "Radiographic Abnormalities Amoung Finnish Construction, Shipyard and Asbestos Industry Workers." Scan J Work Environ Health. Vol. 24, No. 2, pp. 109-17. 1998.

Kostyuk, VA; Potapovich, AI; "Antiradical and Chelating Effects in Flavonoid Protection Against Silica-Induced Cell Injury." Archives of Biochemistry and Biophysics." Vol. 355, No. 1, pp. 43-48. 1998.

Kotin, P., "Historical Review of Fibrogenicity and Carcinogenicity of MMMF in Experimental Animals." IARC Science Publication #2, WHO, publ., Vol. 2., pp. 199-208, 1982.

Kozak, J.H., Boffa, D.J., "Atmospheric Asbestos Fibre Concentrations in the Baie Verte Area, Newfoundland." Surveillance Report EPS-5-AR-76-11, Environmental Protection Service, Atlantic Region, ed., Environment Canada, publ., 1976.

Kozak, J.H., Ternan, G.J., "Ambient Air Asbestos Survey in the Baie Verte Area, Newfoundland." Surveillance Report EPS 5-AR-81-8, Environmental Protection Service, Atlantic Region, ed., Environment Canada, publ., 1981.

Krajewska, B; Lutz, W; Pilacik, B; "Exposure to Asbestos and Levels of Selected Tumor Biomarkers." Med Pr. Vol. 47, No. 2, pp. 89-96. 1996.

Kraus, WH; Hunt, WF; Ramsdell, LS; "Mineralogy - An Introduction ti the Study of Minerals and Crystals" Fifth Edition , 1959.

Krauskopf, KB; Introduction to Geochemistry pp.563-564, 1967.

Kravchenko, IV; Furalyov, Va; Vasylieva, LA; Pylev, LN; "Spontaneous and Asbestos-Induced Transformation of Mesothelial Cells in Vitro." Teratogenesis Carcinogenesis and Mutagenesis. Vol. 18, No. 3, pp. 141-151. 1998.

Kreuzfelder, E., Joka, T., Keinecke, H.O., Obertacke, U., Schmit-Neuerburg, D.P., Nakhosteen, J.A., Paar, D., Scheiermann, N., "Adult Respiratory Distress Syndrome as a Specific Manifestation of a General Permeability Defect in Trauma Patients." American Re. Respiratory Disease, Vol. 137, pp. 95-99, 1988.

Krombach F; Münzing S; Allmeling AM; Gerlach JT; Behr J; Dörger M. Cell Size of Alveolar Macrophages: An Interspecies Comparison. *Environmental Health Perspectives.* 105(Suppl 5):1261–1263. September. 1997.

Kronoveter, K., "Health Hazard Evaluation Report." HETA Report No. 83-358-1362, HETA, ed., NIOSH PB85-15809-5, 1983.

Kuhne, W., Schultz, M., "Problems of Experimental Tumorigenesis by Fibrous Dusts, Especially by Asbestos (With Regard to Stanton's Hypothesis)." Exp Pathol, Vol. 34, pp. 191-196, 1988.

Kurumatani, N; Natori, Y; Mizutani, R; Kumagai, S; Haruta, M; Miura, H; Yonemasa, K; "A Historical Cohort Mortality Study of Workers Exposed to Asbestos in a Refitting Shipyard." Industrial Health. Vol. 37, No. 1, pp. 9-17. 1999.

Kuryvial, R.J., Wood, R.A., Barrett, R.E., "Identification and Assessment of Asbestos Emissions from Incidental Sources of Asbestos." U.S. Environmental Protection Agency, Office of Research and Development EPA-650/2-74-087, September 1974.[3]

Kuschner, M., "The Effects of MMMF on Animal Systems: Some Reflections on Their Pathogenesis." Annals of Occupational Hygiene, Vol. 31, No. 4B, pp. 791-797, 1987.[1]

Kuschner, M., Wright, G., "The Effects of Intratracheal Instillation of Glass Fiber of Varying Sizes in Guinea Pigs." Occupational Exposure to Fibrous Glass, NIOSH 76-151-01665-117, U.S. Dept. of Health, Education, and Welfare, publ., pp. 151-168, 1974.

Kusiak, RA; Springer, J; Ritchie, AC; and Muller, J. "Carcinoma of the lung in Ontario gold miners: possible etiological factors." *Bri J Ind Med* 48(12):808-817. 1991.

Lacquet, L.M., VanderLinden, L., Lepoutre, J., "Roentgenographic Lung Changes, Asbestosis and Mortality in a Belgian Asbestos-Cement Factory." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Sci Publ., pp. 783-793, 1980.

Lahat, N; Froom, P; Kristal-Boneb, E; Cohen, C; Lerman, Y; "Increased Serum Concentrations of Growth Factor Receptors and Neu in Workers Previously Exposed to Asbestos." Occupational and Environmental Medicine. Vol. 56, No. 2, pp. 114-117. 1999.

Lai, DY; Baetcke, KP; Vu, TV; Cotruvo, JA; Eustis, SL; "Evaluation of Reduced Protocols for Carciogenicity Testing of Chemicals: Report of a Joint EPA/NIEHS Workshop" Regulatory Toxicology and Pharmacology Vol.19, pp.183-201, 1994.

Laird, L.T., Brantley, E.P., Beard, M.E., Breen, J.J., "The EPA/RTI Asbestos Bulk Sample Analysis QA Program - Summary and Evaluation After 5 Rounds." Spc. Conf. Meas., Monit. Non-Criter. (Toxic) Contaminated Air, APCA, publ., pp. 249, 1983.[2]

Lamar, R.S., "Characteristics of Talc Dusts." Proceedings of the Symposium on Talc, Washington, C.D., pp. 12-15, May 8, 1973.[3]

Lamm, Sh.H., Levine, M.S., Starr, J.A., Tirey, S.L., "Analysis of Excess Lung Cancer Risk in Short-term Employees." American Journal of Epidemiology, Vol. 127, No. 6, pp. 1202-1209, 1988.[2]

Lamorte, MF; Brown, Dr.; Final report Mineralogy Analysis of Crushed Stone Samples from Operating Quarries to Determine the Presence of Asbestos Prepared for U.S. EPA, EPA Contract No. 68-02-2612, no date.

Landrigan, P.J., Kazemi, H., eds., The Third Wave of Asbestos Disease: Exposure to Asbestos in Place-Public Health Control. Annals of the New York Academy of Sciences, Vol. 643, 1991.[3]

Landrigan, PJ; Ladou, J; Nicholson, WJ; Suzuki, Y; "Review Article: The Hazards of Chrysotile Asbestos: A Critical Review." Industrial Health. Vol. 37, No. 3, pp. 271-280. July, 1999.

Lane, R.E., "Hygiene Standards for Chrysotile Asbestos Dust." Report, Annals Occupational Hygiene, Vol. II, pp. 47-69, 1968.

Lange, A., Garncarek, D., Tomeczko, J., Chicchanowski, G., Bisikiewicz, R., "Outcome of Asbestos Exposure (Lung Fibrosis and Antinuclear Antibodies) with Respect to Skin Reactivity: An 8-year Longitudinal Study." Environmental Research, Vol. 41, pp. 1-13, 1986.

Lange, JH; Lange, PR; Reinhard, TK; Thomulka, KW; "A Study of Personal and Area Airborne Asbestos Concentrations During Asbestos Abatement: A Statistical Evaluation of Fibre Concentratin Data." Annals of Occupational Hygiene. Vol. 40, No. 4, pp. 449-466. 1996.

Lange, JH; Thomulka, KW; Lee, RG; Dunmyre, GR; "Evaluation of Lift and Passive Sampling Methods During Asbestos Abatement Activities" Bull. Environ. Contam. Toxicol. Vol.55, pp.325-331, 1995.

Langer, AM; "Non-Occupational Exposure to Chrysotile Asbestos and the Risk of Lung Cancer." N Engl J Med. Vol. 339, No. 14, pp. 1000-1. October 1998.

Langer, A.M., "Aspects of Mineralogy of Talc." Proceedings of the Symposium on Talc, Washington, C.D., pp. 82-, May 8, 1973.(3)

Langer, AM; Mackler, AD; Pooley, FD; "Electron Microscopical Investigation of Asbestos Fibers" Environ. Health Perspectives Vol.9, pp. 63-80, 1974.

Langer, AM; Nolan, RP; "Asbestos in the Lungs of Persons Exposed in the USA" Monaldi Arch Chest Dis Vol.53, No.2, pp.169-180, April 1998.

Langer, AM; Nolan, RP; "Chrysotile: Its Occurrence and Properties as Variables Controlling Biological Effects." Ann Occup Hyg. Vol. 38, No. 4, pp. 427-451. 1994.

Langer, AM; Nolan, RP; "Chrysotile Biopersistence in the Lungs of Persons in the General Population and Exposed Workers" Environmental Health Perspectives Vol.102, Suppl.5, pp.235-239, 1994.

Langer, A.M., Nolan, R.P., Letter to the Editor in Response to: Stein, R.C., et al., "Pleural Mesothelioma Resulting from Exposure to Amosite Asbestos in a Building," in Respiratory Medicine, Vol. 83, pp. 237-239, 1989, Respiratory Medicine, Vol. 84, pp. 509-512, 1990.(3)

Langer, A.M., Nolan, R.P., "Fibre Type and Burden in Parenchymal Tissues of Workers Occupationally Exposed to Asbestos in the United States." IARC Sci Publ., #90, pp. 330-335, 1989.(3)

Langer,AM; Nolan, RP; "Fiber Type and Mesothelioma Risk" Symposium on Health Aspects of Exposure to Asbestos in Buildings pp.91-140 December 1989.

Langer, AM; Nolan, RP; "Factors Controlling the Biological Potential of Inorganic Dusts: Surface Chemistry and Character" Environmental Sciences Laboratory, Applied Sciences Institute, Brooklyn College of the City University of New York.

Langer, AM; Nolan, RP; Addison, J; "Physio-Chemical Properties of Asbestos as Determinants of Biological Potential." Mineral Fibers and Health. pp. 211-228. 1990.

Langer, AM; Nolan, RP; Addison, J; "Distinguishing Between Amphibole Asbestos Fibers and Elongate Cleavage Fragments of Their Non-Asbestos Analogues." Mechanisms in Fibre Carcinogenisis. Edited by RC Brown, et al, Plenum Press, New York, 1991. pp. 253-267. 1988.

Langer, AM; Nolan, RP; Constantopoulos, SH; Moutsopoulos, HM; "Association of Metsovo Lung and Pleural Mesothelioma with Exposure to Tremolite-Containing Whitewash." Lancet Vol.1, No.8539; pp.965-967, April 25, 1987.

Langer, A.M., Wolff, M.S., Rohl, A.N., Selikoff, I.J., "Variation of Properties of Chrysotile Asbestos Subjected to Milling." Journal of Toxicology and Environmental Health, Vol. 4, pp. 173-188, 1978.(1)

Langlois, S.L.P., Glancy, J.J., Henderson, D.W., "The Radiology of Malignant Pleural Mesothelioma in Western Australia." Australian Radiology, Vol. 22, pp. 305-314, 1978.

Lash, TL; Crouch, EA; Green, LC; "A Meta-Analysis of the Relation Between Cumulative Exposure to Asbestos and Relative Risk of Lung Cancer." Occup. and Environ. Med. Vol.54, No. 4, pp. 254-263. 1997.

Laubenthal, T.G., Weber, M., "Polarized Light Microscopy Work Practices, Laboratory Operations Highlighted in Survey." NAC Journal, Fall, pp. 46-52, 1989.(3)

Law BD; Bunn WB; Hesterberg TW. Dissolution of Natural Mineral and Man-Made Vitreous Fibers in Karnovsky's and Formalin Fixatives. *Inhalation Toxicology*. 3:309–321. 1991.

Law BD; Bunn WB; Hesterberg TW. Solubility of Polymeric Organic Fibers and Manmade Vitreous Fibers in Gambles Solution. *Inhalation Toxicology*. 2:321–339. 1990.

Lave, BL; Ennever, FK; Rosenkranz, HS; Omenn, GS; "Information Value of the Rodent Bioassay" Nature Vol.336, December 1988.

Lawrence, P.A., "The Federal Clean Air Act for Down-To-Earth Pollution Control in Unconfined Spaces." Proceedings of the Conference on Atmospheric Contamination in Confined Spaces, 30 March - 1 April 1965, Air Force Systems Command, publ., Vol. Dec., pp. 219-225, 1986.

Leanderson, Per; Lagesson, V; Tagesson, C; "Demonstration of Nitric Oxide on Asbestos and Silicon Carbide Fibers with a New Ultraviolet Spectrophotometric Assay." Environmental Health Perspectives. Vol 105, Supplement 5, pp. 1037-1040.

Leanderson, P., Soderkvist, P., Tagesson, C., Axelson, O., "Formation of 8-hydroxydeoxyguanosine by Asbestos and Man-Made Mineral Fibres." British Journal of Industrial Medicine, Vol. 45, pp. 309-311, 1988.(2)

LeBouffant, L., "Physics and Chemistry of Asbestos Dust." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, pp. 15-34, 1980.(1)

LeBouffant, L., Daniel, H., Heninn, J.P., Martin, J.C., Normand, C., Tichoux, G., Trolard, F., "Experimental Study on Long-Term Effects of Inhaled MMF on the Lungs of Rats." Annals of Occupational Hygiene, Vol. 31, No. 4B, pp. 765-790, 1987.[1][2]

Lechner, JF; Tesfaigzi, J; Gerwin, BI; "Oncogenes and Tumor-Suppressor Genes in Mesothelioma - A Synopsis." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1061-1067. September, 1997.

Lee, BW; Wain, JC; Kelsey, KT; Wiencke, JK; Christiani, DC; "Association of Cigarette Smoking and Asbestos Exposure with Location and Histology of Lung Cancer." Am J Respir Crit Care Med. Vol. 157, No. 3, pp. 748-55. 1998.

Lee, IM; Hennekens, CH; Trichopoulos, D; Buring, JE; "Man-Made Vitreous Fibers and Risk of Respiratory System Cancer: A Review of the Epidemiologic Evidence." Journal of Occupational and Environmental Medicine. Vol. 37, pp. 725-738. 1995.

Lee, K.P., Barras, C.E., Griffith, F.D., Waritz, R.S., "Pulmonary Response to Glass Fiber by Inhalation Exposure." Laboratory Investigation, Vol. 40, pp. 123-133, 1979.[1]

Lee, K.P., Barras, C.E., Griffith, R.S., Waritz, R.S., Lapin, C.A., "Comparative Pulmonary Responses to Inhaled Inorganic Fibers with Asbestos and Fiberglass." Environmental Research, Vol. 24, pp. 167-191, 1981.[1]

Lee, R.J., Group, Inc., "Estimation of Asbestos Content of Dustiness Test Samples from Guadalupe Corridor Project." March 10, 1988.

Lee, RJ; Dagenhart, TV; Dunmyre, GR; Stewart, IM; Van Orden, DR; "Effect of Indirect Sample Preparation Procedures on the Apparent Concentration of Asbestos in Settled Dusts." Environ Sci Technol. Vol. 29, No. 7, pp. 1728-1736. 1995.

Lee, RJ; Fisher, RM; "Identification of Fibrous and Non-Fibrous Amphiboles in the Electron Microscope." Annals New York Academy of Sciences. Pp. 645-661. 1979.

Lee, RJ; Van Orden, DR; Corn, M; Crump, KS; "Exposure to Airborne Asbestos in Buildings." Regul Toxicol Pharmacol (UNITED STATES). Vol. 16, No. 1, pp. 93-107. Aug, 1992.

Lees, PSJ; "Air Sampling and Asbestos-containing Materials in Buildings" Symposium on Health Aspects of Exposure to Asbestos in Buildings pp.221-234 December 1989.

Legha, S.S., Muggia, F.M., "Pleural Mesothelioma: Clinical Features and Therapeutic Implications." Annals of Internal Medicine, Vol. 87, pp. 613-621, 1977.

Lehnert, BE; Goodwin, EH; "A New Mechanism for DNA Alterations Induced by Alpha Particles Such as Those Emitted by Radon and Radon Progeny." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1095-1101. September, 1997.

Leidel, NA; Bayer, SG; Zumwalde, RD; and Busch, KA; *Membrane Filter Method for Evaluating airborne asbestos fibers.* US Department of Health Education and Welfare, NISSH. USPHS/NIOSH Technical Report no 79-127. 1979.

Leigh, J; Rogers, AJ; Fergusen, DA; Mulder, HB; Ackad, M; Thompson, R; "Lung Asbestos Fiber Content and Mesothelioma Cell Type, and Survival" Cancer Vol.68, No.1, pp.135-141, 1991.

Leigh J; Wang H; Bonin A; Peters M; Ruan X. Silica-Induced Apoptosis in Alveolar and Granulomatous Cells *In Vivo*. *Environmental Health Perspectives*. 105(Suppl 5):1241–1246. September. 1997.

Leigh, S., Steel, E., Small, J., Sheridan, P., Filliben, J., "Statistical Considerations in the Preparation of Chrysotile Reference Materials: Filter Homogeneity." Report, National Bureau of Standards Special Publication 619, Proceedings of the NGS/EPA Asbestos Standards Workshop, October 1980, Vol. March, pp. 169-182, 1982.

Leikoff G; Driscoll K. Cellular Approaches in Respiratory Toxicology. In *Toxicology of the Lung*, 2nd edition. Gardner DE; Crapo JD; McClellan RO (eds.). Raven Press, New York. 1993.

Leineweber, J.P., "Dust Chemistry and Physics: Mineral and Vitreous Fibres." Biological Effects of Mineral Fibres, Wagner, J.G., ed., IARC Sci. Publ., Vol. 2, No. 30, pp. 881-900, 1980.[2][5]

Lemaire, I., "Characterization of the Bronchoalceola Cellular Response in Experimental Asbestosis." Report, American Review of Respiratory Disease, Vol. 131, pp. 144-149, 1985.

Lemaire, I., Nadeau, D., Dunnigan, J., Masse, S., "An Assessment of the Fibrogenic Potential of Very Short 4T30 Chrysotile by Intratracheal Instillation in Rats." Environmental Research, Vol. 36, pp. 314-326, 1985.[1]

Lemen, R.A., Dement, J.M., Wagoner, J.K., "Epidemiology of Asbestos-Related Diseases." Environmental Health Perspectives, Vol. 34, pp. 1-11, 1980.

Lentzen, D.E., "Options and Perspectives on Asbestos Abatement and Post-Abatement Monitoring." Asbestos Fibre Measurements in Building Atmospheres: Proceedings, Chatfield, E.J., ed., ORF, publ., pp. 45-58, 1985.[2][5]

Lentzen, D.E., Beard, M.E., Breen, J.J., "Summary of the NBS/EPA Workshop on the Monitoring and Evaluation of Airborne Asbestos Following an Abatement Program." Asbestos Fibre Measurements in Building Atmospheres: Proceedings, Chatfield, E.J., ed., ORF, publ., pp. 35-48, 1985.

Lentzen, D.E., Brantly, E.P., Jr., Gold, K.W., Myers, L.E., "Interim Method for the Determination of Asbestos in Bulk Insulation Samples." U.S. Environmental Protection Agency No. EPA 600/4-82-020, NTIS Report No. PB83-1586, Vol. March 1982.[2]

Lentzen, D.E., Dunmyre, G.R., "Use of a Protective Film to Assure the Integrity of Asbestos Samples Collected for TEM Analysis." Proceedings of the 44th Annual Meeting, Electron Microscopy Society of America, Albuquerque, New Mexico, 10-15 August 1986, pp. 784-785, 1986.

Lentzen, D.E., Lee, R.Y., Casuccio, G.S., Dunmyre, G.R., "Sampling and Analysis for Airborne Asbestos and Other Inorganic Particulates (Abstract Only)." Amer. Chem. Soc./Div. of Env., Chem., ed., Proceedings of 192nd National Meeting, Vol. 26, No. 2, 1986.[2]

LeRoux, W.L., "Recorded Dust Conditions and Possible New Sampling Strategies on South African Gold Mines." Pneumoconiosis: Proceedings of the International Conference, Johannesburg 1969, Shapiro, H.A., ed., pp. 467-469, 1970.

Levadie, B., ed., "Definitions for Asbestos and Other Health-Related Silicates." A symposium sponsored by ASTM Committee D-22 on Sampling and Analysis of Atmospheres and ASTM Committee E-34 on Occupational Health and Safety, Philadelphia, PA, ASTM Special Technical Publication 834, October 13, 1982.

Levin, JL; McLarty, JW; Hurst, GA; Smith, AN; Frank AL; "Tyler Asbestos Workers: Mortality Experience in a Cohort Exposed to Amosite." Occup Environ Med. Vol. 55, pp. 155-160. 1998.

Levin, M., "Asbestos, Cigarette Link Probed." L.A. Times, Vol. 1-19, pp. 1, 1988.[2]

Levresse, V; Reiner, A; Fleury-Feith, J; Levy, F; Moritz, S; Vivo, C; Pilatte, Y; Jaurand, M-C; "Analysis of Cell Cycle Disruptions in Cultures of Rat Pleural Mesothelial Cells Exposed toAsbestos Fibers." Amer J Resp Cell and Molecular Biology. Vol. 17, No. 6, pp. 660-671. 1997.

Levy, F., Van der Meeren, A., Renier, A., Katz, A., Bignon, J., Jaurand, M.C., "Studies on Cell Cycle of Rat Pleural Mesothelial Cells Submitted to Direct or Indirect Hit by Chrysotile Fibres." Effects of Mineral Dusts on Cells, NATO ASI Series, Vol. H30, Proceedings of the NATO Advanced Research Workshop on In Vitro Effects of Mineral Dusts on Cells held at Auberge Estrimont, Oxford, Quebec, Canada, September 20-23, 1988.[3]

Lewinsohn, H.C., "Clinical Radiological Observations on Asbestos-Related Pathology - Discussion Summary." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Sci. Pub., Vol. 2, No. 30, pp. 579-583, 1980.[2][5]

Lewinsohn, H.C., Meigs, J.W., Teta, M.J., Flannery, J.T., "The Influence of Occupational and Environmental Asbestos Exposure on the Incidence of Malignant Mesothelioma in Connecticut." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Sci. Pub., Vol. 2, No. 30, pp. 655-660, 1980.[2][5]

Li, F.P., Lokich, J., Lapey, J., Neptune, W.B., Wilkins, E.W., "Familial Mesothelioma After Intense Asbestos Exposure at Home." JAMA, Vol. 240, No. 5, August 4, 178.[3]

Li XY; Gilmour PS; Donaldson K; MacNee W. *In Vivo* and *In Vitro* Proinflammatory Effects of Particulate Air Pollution (PM10). *Environmental Health Perspectives.* 105(Suppl 5):1279–1284. September. 1997.

Liddell FDK. The Interaction of Asbestos and Smoking in Lung Cancer. *Annals of Occupational Hygiene.* 45:341–56. 2001a.

Liddell FDK. Unpublished raw mesothelioma data provided to Dr. Wayne Berman by Dr. FDK Liddell from multiple studies of the 1891–1920 Birth Cohort of Quebec Chrysotile Miners and Millers most recently described in Liddell et al. 1997. 2001b.

Liddell, FDK; "The Quebec Asbestos Cohort: Editorial - Magic, Menace, Myth and Malice." Anal Occup Hyg. Vol. 41, No. 1, pp. 3-12. 1997.

Liddell, FDK; "Epidemiological Observations on Mesothelioma and Their Implications for Nonoccupational Exposure to Asbestos " Symposium on Health Aspects of Exposure to Asbestos in Buildings pp. 47-70 December 1989.

Liddel, F.D.K., "Asbestos and Public Health." Canadian Medical Association Journal, Vol. 125, pp. 237-239, 1981.

Liddell, F.D.K., "Latent Periods in Lung Cancer Mortality in Relation to Asbestos Dose and Smoking." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Sci. Pub., Vol. 2, No. 30, pp. 661-665, 1980.

Liddell, F.D.K., "Tumour Incidence After Asbestos Exposure in the General Population of Canada."

Liddell FDK; Armstrong BG. The Combination of Effects on Lung Cancer of Cigarette Smoking and Exposure in Quebec Chrysotile Miners and Millers. *Annals of Occupational Hygiene.* 46(1):5–13. 2002.

Liddell, F.D.K., Hanley, J.A., "Relations Between Asbestos Exposure and Lung Cancer SMRs in Occupational Cohort Studies." British Journal of Industrial Medicine, Vol. 42, pp. 389-396, 1985.

Liddell, FDK; McDonald, AD; McDonald, JC; "Dust Exposure and Lung Cancer in Quebec Chrysotile Miners and Millers" Ann. Occup. Hyg. Vol.42, No.1, pp.7-20. 1998.

Liddell, FDK; McDonald, AD; McDonald, JC; "The 1891-1920 Birth Cohort of Quebec Chrysotile Miners and Millers: Development From 1904 and Mortality to 1992." Annals of Occupational Hygiene Vol. 41, No. 1, pp. 13-36. 1997.

Liddell, F.D.K., McDonald, J.C., Thomas, D.C., "Methods of Cohort Analysis: Appraisal by Application to Asbestos Mining." Journal Royal Statistical Society, Vol. 40, No. Part 4, pp. 469-491, 1970.

Liddell, F.D.K., Thomas, D.K., Gibbs, G.W., McDonald, I.C., "Fibre Exposure and Mortality from Pneumoconiosis Respiratory and Abdominal Malignancies in Chrysotile Production in Quebec, 1928-75." Annals Academy of Medicine, Vol. 13, No. 2, pp. 340-345, 1984.

Lilienfeld, D.E., "Obfuscation: A Reply to Dr. Dunnigan." American Journal of Industrial Medicine, Vol. 14, pp. 625-628, 1988.

Lilienfeld, P., Elterman, P.B., Baron, P., "Development of a Prototype Fibrous Aerosol Monitor." Am. Ind. Hyg. Assoc. J., Vol. 40, pp. 270-282, 1979.[3]

Lilienfeld, D.E., Mandell, J.S., Coin, P., Schuman, L.M., "Projection of Asbestos Related Disease in the United States, 1985-2009, I. Cancer." British Journal of Industrial Medicine, Vol. 45, pp. 283-291, 1988.[2]

Lim Y; Kim S-H; Kim K-A; Oh M-W; Lee K-H. Involvement of Protein Kinase C, Phospholipase C, and Protein Tyrosine Kinase Pathways in Oxygen Radical Generation by Asbestos-Stimulated Alveolar Macrophage *Environmental Health Perspectives*. 105(Suppl 5):1325–1328. September. 1997.

Ling, Peiching, Kawayoshi, H., Tien, T., Martinez, L., "The Effects of Large Angle Tiilting on the Electron Differaction Pattern of Chrysotile." NAC Journal, Summer 1991, Vol. 9, No. 2.[3]

Lippmann M. Asbestos and Other Mineral and Vitreous Fibers. In *Environmental Toxicants: Human Exposures and Their Health Effects*. Lippman M (ed). Wiley-Interscience; 2nd edition. December. 1999.

Lippmann, M; "Deposition and Retention of Inhaled Fibres: Effects on Incidence of Lung Cancer and Mesothelioma." Occupational and Environmental Medicine. Vol. 51, pp.793-798. 1994.

Lippmann, M; "Man-Made Mineral Fibers (MMMF): Human Exposures and Health Risk Assessment." Toxicology and Industrial Health (UNITED STATES) Vol. 6, No. 2, pp. 225-246. Mar, 1990.

Lippmann, M., "Effects of Fiber Characteristics on Lung Deposition, Retention, and Disease." Environmental Health Perspectives, Vol. 88, pp. 311-317, 1990.[3]

Lippmann, M., Timbrell, V., "Particle Loading in the Human Lung - Human Experience and Implications for Exposure Limits." Journal of Aerosol Medicine, Vol. 3, Supplement 1, 1990.[3]

Lippmann, M., "Review: Asbestos Exposure Indices." Environmental Research, Vol. 46, pp. 86-106, 1988.[1]

Lippmann, M., "Size-Selective Health Hazard Sampling." Pp. H2-H22.

Lippmann, M., Schlesinger, R.B., "Interspecies Comparisons of Particle Deposition and Mucociliary Clearance in Tracheobronchial Airways." J. Toxicol. Env. Health, Vol. 3, pp. 441[261]-469[289], 1984.

Littmann, F.E., Wang, H., Piere, J., "Regional Air Pollution Study - Non-Criteria Pollutant Inventory." U.S. Environmental Protection Agency Report No. EPA 600/4-77-018, Office of Research and Development, ed., NTIS #PB-268379, Vol., April 1977.

Lockey, J.E., Brooks, S.M., Jarabek, A.M., Khoury, P.R., McKay, R.T., Carson, A., Morrison, J.A., Wiot, J.F., Spitz, H.B., "Pulmonary Changes after Exposure to Vermiculite Contaminated with Fibrous Tremolite." American Review of Respiratory Diseases, Vol. 129, pp. 952-958, 1984.

Lucas, D., Hartwell, T., Rao, A.V., "Asbestos-Containing Materials in School Buildings: Guidance for Asbestos Analytical Programs." U.S. Environmental Protection Agency Report No. EPA 560/13-80-17A, NTIS PB81-243586, Vol. December 1980.

Luce, D; Bugel, I; Goldberg, P; Goldberg, M; Salomon, C; Billon-Galland, MA; Nicolau, J; Quenel, P; Fevotte, J; Brochard, P; "Environmental Exposure to Tremolite and Respiratory Cancer in New Caledonia: A Case-Control Study." Am J Epidemiol. Vol. 151, No. 3, pp. 259-265. February 2000.

Luoma, G.A., Yee, L.K., Rowland, R., "Determination of Microgram Amounts of Asbestos in Mixtures by Infrared Spectrometry." Analytical Chemistry, Vol. 54, pp. 2140-2142, 1982.

Luoma, G.A., Yee, L.K., Rowland, R., "Positive Identification of Microgram Quantities of Asbestos Using Infrared Spectroscopy." Materials Report 81-C, Research and Development Branch, Dept. of National Defense, Canada, AD/A-121 327, Vol. September 1981.

Luoma, J.R., "Asbestos is Detected in Small-Town Sludge." The New York Times, Vol. 25 Oct., pp. B12, 1988.

Luster, MI; Simeonova, PP; "Asbestos Induces Inflammatory Cytokines in the Lung Through Redox Sensitive Transcription Factors." Toxicology Letters (Shannon). Vol. 102-103, pp. 271-275. 1998.

Lynch, KP; "A Modeling Approach to Estimate Community Exposures to Airborne Asbestos Concentrations From Reentrained Road Dust" no date.

Lynch, J.R., Ayer, H.E., Johnson, D.J., "The Interrelationships of Selected Asbestos Exposure Indices." American Industrial Hygiene Association Journal, Vol. 31, No. 5, pp. 598-604, 1970.[(1)(2)]

MacDonald, H.S., Bedore, J., Jr., "A Comparison of Methods for Determining the Asbestos Content of Floor Tiles." Econ; Environmental Contractor, Vol. 4, No. 8, pp. 63-66, 1989.

MacEwen, J.D., "Contaminant Generation Methods and Techniques." Proceedings of the Conference on Atmospheric Contamination in Confined Spaces, 30 March - 1 April 1965, Air Force Systems Command, publ., Vol. Dec., pp. 18-26, 1986.

Magee, F., Wright, J.L., Chan, N., Lawson, L., Churg, A., "Malignant Mesothelioma Caused by Childhood Exposure to Long-Fiber Low Aspect Ratio Tremolite." American Journal of Industrial Medicine, Vol. 9, No. 6, pp. 529-533.[(1)]

Magnani, C; Agudo, A; Gonzalez, CA; Andrion, A; Calleja, A; Chellini, E; Dalmasso, P; Escalor, A; Hernandez, S; Ivaldi, C; Mirabelli, D; Ramirez, J; Turuguet, D; Usel, M; Terracini, B; "Multicentric Study on Malignant Pleural Mesothelioma and Non-Occupational Exposure to Asbestos" British Journal of Cancer Vol.83, No.1, pp.104-111, 2000.

Magnani, C; Leporati, M; "Mortality from Lung Cancer and Population Risk Attributable to Asbestos in an Asbestos Cement Manufacturing Town in Italy." Occup. Environ. Med. Vol. 55, No. 2, pp. 111-4. Feb. 1998.

Magnani, C; Terracini, B; Ivaldi, C; Botta, M; Mancini, A; Andrion, A; "Pleural Malignant Mesothelioma and Non-Occupational Exposure to Asbestos in Casale Monferrato, Italy." Occup Environ Med. Vol. 52, pp. 362-367. 1995.

Maier, H; Tisch, M; "Epidemiology of Laryngeal Cancer." Advances in Laryngology in Europe. No. 1128, pp. 129-133. 1997.

Major, G; Vardy, GF; "Public Perception of Risk and its Consequences: The Case of Natural Fibrous Mineral Deposit" IARC Sci Publ.(France) Vol.90, pp.497-508, 1989.

Malorni, W., Iosi, F., Falchi, M., Donneli, G., "On the Mechanism of Cell Internalization of Chrysotile Fibers: An Immuno-cytochemical and Ultrastructural Study." Environmental Research, Vol. 52, No. 2, August 1990.(3)

Mancuso, T.F., "Relative Risk of Mesothelioma Among Railroad Machinists Exposed to Chrysotile." American Journal of Industrial Medicine, Vol. 13, pp. 639-657, 1988.(1)

Mann, C.O., Cowherd, C., Jr., "Fugitive Dust Sources." Report, Compilation of Air Pollutant Emission Factors, 3rd Ed., U.S. Environmental Protection Agency/ORD, NTIS, pp. 79-87, 1978.(2)

Marconi, A; Cecchetti, G; Barbieri, M; "Airborne Mineral Fibre Concentrations in an Urban Area near an Asbestos-Cement Plant." IARC Sci Publ (FRANCE). Vol. 90, pp. 336-346. 1989.

Marconi, A; Falleni, F; Campanella, E; "Comparison Between Phase Contrast Optical Microscopy and Electron Scanning Microscopy for Analysis of Airborne Asbestos Fibres in Office Environments." Med Lav. Vol. 84, No. 3, pp. 211-216. 1993.

Marconi, A., Menichini, E., Paoletti, L., "A Comparison of Light Microscopy and Transmission Electron Microscopy Results in the Evaluation of the Occupational Exposure to Airborne Chrysotile Fibres." Annals of Occupational Hygiene, Vol. 28, No. 3, pp. 321-331, 1984.(1)

Marsella, JM; Liu, BL; Vaslet, CA; Kane, AB; "Susceptibility of p53-Deficient Mice to Induction of Mesothelioma by Crocidolite Asbestos Fibers." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1069-1072. September, 1997.

Marsh, GM; Enterline, PE; Stone, RA; Henderson, VL; "Mortality Among a Cohort of US Man-Made Mineral Fiber Workers: 1985 Follow-Up." Journal of Occupational Medicine. Vol. 32, pp. 594-604. 1990.

Martin LD; Krunkosky TM; Dye JA; Fischer BM; Jiang NF; Rochelle LG; Akley NJ; Dreher KL; Adler KB. The Role of Reactive Oxygen and Nitrogen Species in the Response of Airway Epithelium to Particulates. *Environmental Health Perspectives.* 105(Suppl 5):11301–1308. September. 1997.

Martin, M., Page, M., Habashi, F., Awadalla, F.T., "Toxicity of Chrysotile Asbestos Through Surface Modification with Chelating Agents." Effects of Mineral Dusts on Cells, NATO ASI Series, Vol. H30, Proceedings of the NATO Advanced Research Workshop on In Vitro Effects

of Mineral Dusts on Cells held at Auberge Estrimont, Oxford, Quebec, Canada, September 20-23, 1988.[3]

Martuzzi, M; Comba, P; De Santis, M; Iavarone, I; Di Paola, M; Mastrantonio, M; Pirastu, R; "Asbestos-Related Lung Cancer Mortality in Piedmont, Italy." Amer J Ind Med. Vol. 33, No. 6, pp. 565-570. 1998.

Mast, RW; McConnell, EE; Anderson, R; Chevalier, J; Kotin, P; Bernstein, DM; Thevenaz, P; Glass, LR; Miiller, WC; Hesterberg, TW; "Stdies on the Chronic Toxicity (Inhalation) of Four Types of Refractory Ceramic Fiber in Mlae Fischer 344 Rats" Inhalation Toxicology Vol.7, pp.425-467, 1995.

Mast, RW; McConnell, EE; Hesterberg, TW; Chevalier, J; Kotin, P; Thevenaz, P; Bernstein, DM; Glass, LR; Miiller, W; Anderson, R; "Multiple-Dose Chronic Inhalation Toxicity Study of Size-Separated Koalin Refractory Ceramic Fiber in Male Fischer 344 Rats" Inhalation Toxicology Vol.7, pp.469-502, 1995.

Mattson SM. Glass Fiber Dissolution in Simulated Lung Fluid and Measures Needed to Improve Consistency and Correspondence in *In-Vitro* Studies. Presented at the IARC Conf. Biopersistence of Respirable Synthetic Fibres and Minerals. Lyon, France, September 7–9. 1992. *Environmental Health Perspectives.* 1994.

Mauskopf, J.A., "Projections of Cancer Risks Attributable to Future Exposure to Asbestos." Risk Analysis, Society for Risk Analysis, publ., Vol. 7, No. 4, 1987.

McConnell, EE; Toxicology and Carcinogenesis Studies of Tremolite (CAS No. 14567-73-8) in F344/N Rats (Feed Studies) U.S. Department of Health and Human Services, Public Health Service, National Institutes of Health, March 1990.

McConnell, EE; Mast, RW; Hesterberg, TW; Chevalier, J; Kotin, P; Bernstein, DM; Thevenaz, P; Glass, LR; Anderson, R; "Chronic Inhalation Toxicity of a Kaolin-Based Refractory Ceramic Fiber in Syrian Golden Hamsters" Inhalation Toxicology Vol.7, pp.503-532, 1995.

McConnell, EE; Rutter, HA; Ulland, BM; Moore, JA; "Chronic Effects of Dietary Exposure to Amosite Asbestos and Tremolite in F344 Rats." Environ Health Perspectives. Vol. 53, pp. 27-44. 1983.

McConnell, EE, Wagner, J., Skidmore, J., Moore, J., "A Comparative Study of the Fibrogenic and Carcinogenic Effects of UICC Canadian Chrysotile B Asbestos and Glass Microfibre (JM 100)." Biological Effects of Man-made Fibres, Proceedings of a WHO/IARC Conference, pp. 234-252, 1982.[1]

McConnochie, K., Simonato, L., Maurides, P., Christofider, P., Pooley, F.D., Wagner, J.C., "Mesothelioma in Cyprus: the Role of Tremolite." Thorax, Vol. 42, pp. 342-347, 1987.

McCrone, W.C., Asbestos Identification. McCrone Research Institute, Chicago, publ., 1987.

McCrone, W.C., "Identification of Asbestos by Polarized Light Microscopy." National Bureau of Standards Special Publication 506, Proceedings of Workshop on Asbestos: Definitions and Measurement Methods held at NBS, Gaithersburg, MD, July 18-20, 1977. 1978.[2]

McCrone Environmental Services, Inc., "Standard Operating Procedure: Drop Mount Procedure for Examination of Bulk Materials by Transmission Electron Microscopy (TEM)." Report, March ,1989.

McCullagh, S.F., Non-Occupational Exposure to Asbestos and Malignant Mesothelioma." The Lancet, pp. 521-522, September 2, 1978.[3]

McDonald, A.D., "Mineral Fibre Content of Lung in Mesothelial Tumors: Preliminary Report." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, Vol. 2, No. 30, pp. 681-685, 1980.[1][2][5]

McDonald, A.D., "Malignant Mesothelioma in Quebec." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, Vol. 2, No. 30, pp. 673-680, 1980.[1][2][5]

McDonald, AD; Case, BW; Churg, A; Dufresne, A; Gibbs, GW; Sebastion, P; McDonald, JC; "Mesothelioma In Quebec Chrysotile Miners and Millers: Epidemiology and Aetiology" Am.Occup.Hyg. Vol.41, No.6; pp.707-719, 1997.

McDonald, A.D., Fry, J.S., "Mesothelioma and Fiber Type in Three American Asbestos Factories: Preliminary Report." Scandinavian J. Work Environ Health, Vol. 8, Suppl. 1, pp. 53-58, 1982.[1][2]

McDonald, A.D., Fry, J.S., Woolley, A.J., McDonald, J.C., "Dust Exposure and Mortality in an American Chrysotile Asbestos Friction Products Plant." British Journal of Industrial Medicine, Vol. 41, pp. 151-157, 1984.[1][2]

McDonald AD; Fry JS; Woolley AJ; McDonald JC. Dust Exposure and Mortality in an American Factory Using Chrysotile, Amosite, and Crocidolite in Mainly Textile Manufacture. *British Journal of Industrial Medicine.* 40:368–374. 1983.

McDonald, A.D., Fry, J.S., Woolley, A.J., McDonald, J.C., "Dust Exposure and Mortality in an American Chrysotile Textile Plant." *British Journal of Industrial Medicine*, Vol. 39, pp. 361-367, 1982.[1][2]

McDonald, A.D., Gibbs, G.W., Rowlands, N., "Chrysotile and Tremolite Lung Content of Quebec Miners." Inhaled Particles VI, 1182-1183.[3]

McDonald, A.D., McDonald, J.C., "Epidemiology of Malignant Mesothelioma." Asbestos-Related Malignancy, Antman, K. and Aisner, J., ed., Grune & Stratton, Inc., pp. 31-79, 1986.[1]

McDonald, A.D., McDonald, J.C., "Malignant Mesothelioma in North America." Cancer, Vol. 46, pp. 1650-1656, 1980.[1]

McDonald, A.D., McDonald, J.C., "Mesothelioma After Crocidolite Exposure During Gas Mask Manufacture." Environmental Research, Vol. 17, pp. 340-346, 1978.[1]

McDonald, A.D., McDonald, J.C., Pooley, F.D., "Mineral Fibre Content of Lung in Mesothelial Tumours in North America." Ann. Occup. Hyg., Vol. 26, Nos. 1-4, pp. 417-422, 1982.[3]

McDonald, JC; "Invited Editorial: Unfinished Business - The Asbestos Textiles Mystery." Annals of Occupational Hygiene. Vol. 42, No. 1, pp. 3-5. 1998.

McDonald, JC; "Mineral Fibre Persistence and Carcinogenicity." Ind Health Vol.36, No.4, pp.372-375, October 1998.

McDonald, JC; "Chrysotile, Tremolite, and Mesothelioma." Science. Vol. 267, pp. 775-776. February 10, 1995.

McDonald, J.C., "Tremolite, Other Amphiboles, and Mesothelioma." American Journal of Industrial Medicine, Vol. 14, pp. 247-249, 1988.

McDonald, J.C., "Health Implications of Environmental Exposure to Asbestos." Environmental Health Perspectives, Vol. 62, pp. 319-328, 1985.[1]

McDonald, J.C., "Mineral Fibres and Cancer." Annals Academy of Medicine, Vol. 13, No. 2, pp. 345-352, 1984.[1]

McDonald, J.C., "Asbestos-Related Disease: An Epidemiological Review." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, Vol. 2, No. 30, pp. 587-602, 1980.[1][2][5]

McDonald, J.C., Armstrong, B., Case, R., Doell, D., McCaughey, W.T.E., McDonald, A.D., Sebastien, P., "Mesothelioma and Asbestos Fiber Type - Evidence from Lung Tissue Analyses." Cancer, Vol. 63, pp. 1544-1547, 1989.[2]

McDonald, J.C., Becklake, M.R., Gibbs, G.W., McDonald, A.D., Rossiter, C.E., Montreal, M.A., "The Health of Chrysotile Asbestos Mine and Mill Workers of Quebec." Arch. Environ. Health, Vol. 28, pp. 61-68, 1974.

McDonald, JC; Case, BW; Enterline, PE; Henderson, V; McDonald, AD; Plourde, M; Sebastien, P; "Lung Dust Analysis in the Assessment of Past Exposure of Man-Made Mineral Fibre Workers" Ann.Occup.Hyg. (England) Vol.34, No.5, pp.427-441, 1990.

McDonald, JC; Cherry, N; McNamee, R; Burgess, G; Turner, S; "Preliminary Analysis of Proportional Mortality in a Cohort of British Pottery Workers Exposed to Crystalline Silica." Scandinavian Journal of Work Environment & Health. Vol. 21, No, 2, pp. 63-65. 1995.

McDonald, J.C., Gibbs, G.W., Liddell, F.D.K., "Chrysotile Fibre Concentration and Lung Cancer Mortality: A Preliminary Report." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, pp. 811-817, 1980.[1]

McDonald, J.C., Gibbs, G.W., Liddell, F.D.K., McDonald, A.D., "Mortality After Long Exposure to Cummingtonite-Grunerite." American Review of Respiratory Disease, Vol. 118, pp. 271-277, 1978.[1][2]

McDonald, JC; Liddell, FDK; Dufresne, A; McDonald, AD; "The 1891-1920 Birth Cohort of Quebec Chrysotile Miners and Millers: Mortality 1976-88." Brit. J. Ind. Med. Vol. 50, pp. 1073-1081. 1993.

McDonald, J.C., Liddell, F.D.K., Gibbs, G.W., Eyssen, G.E., McDonald, A.D., "Dust Exposure and Mortality in Chrysotile Mining, 1910-75." British Journal of Industrial Medicine, Vol. 37, pp. 11-24, 1980.

McDonald, JC; McDonald, AD; "Chrysolite, Tremolite and Carcinogenicity" Am.Occup.Hyg. Vol.41, No.6, pp.699-705, 1997.

McDonald, JC; McDonald, AD; "The Epidemiology of Mesothelioma in Historical Context." European Respiratory Journal. Vol. 9, No. 9, pp. 1932-1942. 1996.

McDonald, JC; McDonald, AD; "Chrysotile, Tremolite, and Mesothelioma." Science. Vol. 267, pp. 761-932. February 10, 1995.

McDonald, J.C., McDonald, A.D., "Epidemiology of Asbestos-Related Lung Cancer." Asbestos-Related Malignancy, ISBN 0-8089-1830-3, pp. 57-79, 1986.

McDonald, J.C., McDonald, A.D., "Mesothelioma as an Index of Asbestos Impact." Banbury Report 9 - Quantification of Occupational Cancer, Peto, R. and Schneiderman, M., Cold Spring Harbor Laboratory, pp. 73-85, 1981.(1)

McDonald, J.C., McDonald, A.D., "Epidemiology of Mesothelioma from Estimated Incidence." Preventive Medicine, Vol. 6, pp. 426-446, 1977.

McDonald J.C., McDonald, A.D., Armstrong, B., Sebastien, P., "Cohort Study of Mortality of Vermiculite Miners Exposed to Tremolite." British Journal of Industrial Medicine, Vol. 43, pp. 436-444, 1986.(1)(2)

McDonald, J.C., McDonald, A.D., Gibbs, G.W., Siemiatycki, J., Rossiter, C., "Mortality in the Chrysotile Asbestos Mines and Mills of Quebec." Archives of Environmental Health, Vol. 22, pp. 677-686, 1971.(1)

McDonald, JC; McDonald, AD; Hughes, JM; "Chrysotile, Tremolite and Fibrogenicity." Ann Occup Hyg. Vol. 43, No. 7, pp. 439-42. October 1999.

McDonald, JC; McDonald, AD; Sebastien, P; Moy, K; "Health of Vermiculite Miners Exposed to Trace Amounts of Fibrous Tremolite." Brit J Ind Med. Vol. 45, pp. 630-634. 1988.

McDonald, J.C., Sebastien, P., Armstrong, B., "Radiological Survey of Past and Present Vermiculite Miners Exposed to Tremolite." British Journal of Industrial Medicine, Vol. 43, pp. 445-449, 1986.(3)

McFadden, D., Wright, J.L., Wiggs, B., Churg, A., "Smoking Inhibits Asbestos Clearance." American Review of Respiratory Disease, Vol. 133, pp. 372-374, 1986.(1)

McGavran, PD; Butterick, CJ; Brody, AR; "Tritiated Thymidine Incorporation and the Development of an Interstitial Lesion in the Bronchiolar-Alveolar Regions of the Lungs of Normal and Complement Deficient Mice After Inhalation of Chrysotile Asbestos." J Environ Pathol Toxicol Oncol (United States) Vol. 9, No. 5-6, pp. 377-391. December, 1989.

McGavran, P.D., Moore, L.B., Brody, A.R., "Inhalation of Chrysotile Asbestos Induces Rapid Cellular Proliferation in Small Pulmonary Vessels of Mice and Rats." American Journal of Pathology, Vol. 136, No. 3, pp. 695-705, 1990.

McLean, AN; Patel, KR; "Clinical Features and Epidemiology of Malignant Pleural Mesothelioma in West Glasgow 1987-1992." Scottish Medical Journal. Vol. 42, No. 2, pp. 37-39. 1997.

McNerney, J.M., "Preliminary Results of Toxicity Studies in 5 PSIA 100% Oxygen Environment." Proceedings of the Conference on Atmospheric Contamination in Confined Spaces, 30 March - 1 April 1965, Air Force Systems Command, publ., Vol. Dec., pp. 98-123, 1986.

Mercer RR and Crapo JD. Three-Dimensional Analysis of Lung Structure and its Application to Pulmonary Dosimetry Models. In *Toxicology of the Lung*, 2nd edition, Gardner DE; Crapo JD; McClellan RO (eds.). Raven Press, New York. 1993.

Medline Database, Report, pp. 1-295, 1989.

Mellinger, PJ; Bienert, RW; Stenner, RD; Droppo, JG; Eslinger, PW; Peloquin, RA; Prepared for the Exposure Assessment Group, Draft "Letter Report - Tasks 1 Through 3 ; Estimating Airborne Concentrations of Asbestos from Disturbed Soils September 1988.

Mellinger, PJ; Bienert, RW; Stenner, RD; Droppo, JG; Eslinger, PW; Peloquin, RA; Prepared for the Exposure Assessment Group, Draft "Letter Report - Tasks 1 Through 3 ; Estimating Airborne Concentrations of Asbestos from Disturbed Soils September 1988.

Menard, H., Noel, L., Khorami, J., Jouve, J.L., Dunnigan, J., "The Adsorption of Polyaromatic Hydrocarbons on Natural and Chemically Modified Asbestos Fibers." Environmental Research, Vol. 40, pp. 84-91, 1986.(1)

Mercer, T.T., "On the Role of Particle Size in the Dissolution of Lung Burdens." Health Physics, Vol. 13, pp. 1211-1221, 1967.(3)

Merler, E; Bulatti, E; Vainio, H; "Surveillance and Intervention Studies on Respiratory Cancers in Asbestos-Exposed Workers." Scandinavian Journal of Work Environment & Health. Vol. 23, No. 2, pp. 83-92. 1997.

Metintas, M; Ozdemir, N; Hillerdal, G; Ucgun, I; Metintas, S; Baykul, C; Elbek, O; Mutlu, S; Kolsuz, M; "Environmental Asbestos Exposure and Malignant Pleural Mesothelioma." Respir Med. Vol. 93, No. 5, pp. 349-55. May, 1999.

Meurman, L., "Asbestos Bodies and Pleural Plaques in a Finnish Series of Autopsy Cases." ACTA Scandinavian Pathological and Microbiological Supplement 181, 1966.

Meurman, L.O., Kiviluoto, R., Hakama, M., "Mortality and Morbidity of Employees of Anthophyllite Asbestos Mines in Finland." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, pp. 199-202, 1980.(1)

Meurman, L.O., Kiviluoto, R., Hakama, M., "Mortality and Morbidity Among the Working Population of Anthophyllite Asbestos Miners in Finland." Biological Effects of Asbestos, No. 8, pp. 199-201, 1973.(1)

Michaels, L., and Chissick, S.S., eds., Asbestos: Properties, Applications, and Hazards. John Wiley & Sons, Chishester, publ., Vol. 1, 1979.

Middleton, A.P., Beckett, S.T., Davis, J.M.G., "Further Observations on the Short-Term Retention and Clearance of Asbestos by Rats, Using UICC Reference Samples." Annals of Occupational Hygiene, Vol. 22, pp. 141-152, 1979.(1)

Middleton, A.P., Beckett, S.T., Davis, J.M.G., "A Study of the Short-Term Retention and Clearance of Inhaled Asbestos by Rats Using UICC Standard Reference Samples." Inhaled Particles IV, 1977.(1)

Midwest Research Institute, "Asbestos Fiber Content of Dust Emissions from Excavated Soil from the Guadalupe Corridor, Final Report." March 15, 1988.

Miles, L.B., "Methods for Analyzing Floor Tiles." Asbestos Issues '89, Vol. Aug., pp. 48-51, 1989.

Miller, BG; Searl, A; Davis, JMG; Donaldson, K; Cullen, RT; Bolton, RE; Buchanan, D; Soutar, CA; "Influence of Fibre Length, Dissolution and Biopersistence on the Production of Mesothelioma in the Rat Peritoneal Cavity" Ann.Occup.Hyg. Vol.43, No.3, pp.155-166, 1999.

Miller FJ; Overton JH; Kimbell JS; Russell ML. Regional Respiratory Tract Absorption of Inhaled Reactive Gases. In *Toxicology of the Lung*, 2nd edition, Gardner DE; Crapo JD; McClellan RO (eds.). Raven Press, New York. 1993.

Miller, J., "Tentative Method for Preparing Rock Quarry Sample Specimens for Measurement of Asbestos Content by Electron Microscopy." U.S. Environmental Protection Agency, 1980.(2)

Miller, J.L., "Identification of Selected Silicate Minerals and Their Asbestiform Varieties by Electron Optical and X-Ray Techniques." Norelco Reporter, Vol. 25, No. 3, pp. 1-11, 1978.

Miller, K., Handfield, R.I.M., Kagan, E., "The Effect of Different Mineral Dusts on the Mechanism of Phagocytosis: A Scanning Electron Microscope Study." Environmental Research, Vol. 15, pp. 139-154, 1978.

Millette, JR: Longo, WE; Hubbard. JL; "Demonstration of the Capability of Asbestos Analysis by Transmission Electron Microscopy in the 1960's." Microscope. Vol. 41, No. 1, pp. 15-17. 1993.

Minardi, F., Maltoni, C., "Results of Recent Experimental Research on the Carcinogenicity of Natural and Modified Asbestos." Annals of the New York Academy of Sciences, Vol. 534, pp. 754-761, 1988.

Minardi, F., Maltoni, C., "Results of Recent Experimental Research on the Carcinogenicity of Natural and Modified Asbestos." Living in a Chemical World - Occupational and Environmental Significance of Industrial Carcinogens, 1988.

Mitchell, R.I., Donofrio, D.J., Moorman, W.J., "Chronic Inhalation Toxicity of Fibrous Glass in Rats and Monkeys." Journal of the American College of Toxicology, Vol. 5, No. 6, pp. 545-575, 1986.

Moalli, P.A., MacDonald, J.L., Goodglick, L.A., Kane, A.B., "Acute Injury and Regeneration of the Mesothelioma in Response to Asbestos Fibers." Am. J. Pathol., Vol. 128, pp. 426-445, 1987.

Moatamed, F., Lockley, J.E., Parry, W.T., "Fiber Contamination of Vermiculites: A Potential Occupational and Environmental Health Hazard." Environmental Research, Vol. 41, pp. 207-218, 1986.(3)

Mohr, V., Pott, F., Vonnahme, F.J., "Morphological Asbestos of Mesothelioma After Intratracheal Instillations of Fibrous Dusts in Syrian Golden Hamsters." Exp. Path., Vol. 26, pp. 179-183, 1984.

Molinini, R; Paoletti, L; Albrizio, M; Pennella, A; Nardulli, F; Caruso, G; "Occupational Exposure to Asbestos and Urinary Bladder Cancer" Environmental Research Vol.58, pp.176-183, 1992.

Mollo, L; Levresse, V; Ottaviani, MF; Ellouk-Achard, S; Jaurand, M-C; Fubini, B; "Study of the Stability of a Paramagnetic Label Linked to Mesoporous Silica Surface in Contact with Rat Mesothelial Cells in Culture." Environmental Health Perspectives. Vol 105, Supplement 5, pp. 1031-1036. September, 1997.

Monchaux, G., Bignon, J., Hirsch, A., Sebastien, P., "Translocation of Mineral Fibres Through the Respiratory System After Injection Into the Pleural Cavity of Rats." Annals Occupational Hygiene, Vol. 26, No. 1-4, pp. 309-318, 1982.(1)

Monchaux, G., Bignon, J., Jaurand, M.C., Lafuma, J., Sebastien, P., Masse, R., Hirsch, A., Goni, J., "Mesotheliomas in Rats Following Inoculation with Acid-Leached Chrysotile Asbestos and Other Mineral Fibres." Carcinogenesis, Vol. 2, pp. 229-236, 1981.(1)

Montizaan, G.K., Knapp, A.G.A.C., VanDerHeuden, C.A., "Asbestos: Toxicology and Risk Assessment for the General Population in the Netherlands." Ed. Chem. Toxic., Vol. 27, No. 1, pp. 53-63, 1989.

Moolgavkar, SH; " Biologically Motivated Two-Stage Model For Cancer Risk Assessment" Toxicology Letters Vol.43, pp.139-150, 1988.

Moolgavkar, SH "Carcinogenesis Modeling: From Molecular Biology to Epidemiology" Ann. Rev. Public Health Vol.7, pp.151-169, 1986.

Moolgavkar, SH; Dewanji, A; "Biologically Based Models for Cancer Risk Assessment: A Cautionary Note" Risk. Analysis Vol.8, No.1, 1988.

Moolgavkar, SH; Dewanji, A; Venzon, DJ; "A Stochastic Two-Stage Model for Cancer Risk Assessment. 1: The Hazard Function and the Probability of Tumor." Risk Analysis. Vol. 8, No. 3, pp. 383-392. 1988.

Moolgavkar, SH; Knudson, AG; "Mutation and Cancer: A Model for Human Carcinogenesis" JNCI Vol.22, No.6, pp.1037-1051, 1981.

Moolgavkar, SH; Luebeck, EG; "Interpretation of Labeling Indices in the Presence of Cell Death" Carcinogenesis Vol.13, No.6, pp.1007-1010, 1992.

Moolgavkar, SH; Luebeck, EG; "Two-Event Model for Carcinogenesis: Biological, Mathematical, and Statistical Considerations" Risk Analysis Vol.10, No.2; 1990.

Moolgavkar, SH; Luebeck, EG; De Gunst, M; Port, RE; Schwarz, M; "Quantitative Analysis of Enzyme-Altered Foci in Rat Hepatocarginogenisis Experiments-!. Single Agent Regimen" Carcinogenisis Vol.11, No.8, pp.1271-1278, 1990.

Moolgavkar SH; Luebeck EG; Krewski D; Zielinski JM. Radon, Cigarette Smoke, and Lung Cancer: A Re-Analysis of the Colorado Plateau Uranium Miners' Data. *Epidemiology.* 4:204!217. 1993.

Moolgavkar, SH; Venzon, DJ; " Two-Event Models for Carcinogenesis: Incidence Curves for Childhood and Adult Tumors" Mathematical Biosciences Vol.47, pp.55-77, 1979.

Moorcroft, J.S., Duggan, M.J., "Rate of Decline of Asbestos Fibre Concentration in Room Air." Annals of Occupational Hygiene,, Vol. 28, No. 4, pp. 453-457, 1984.

Morgan, A., Black, A., Evans, N., Holmes, A., Pritchard, J.N., "Deposition of Sized Glass Fibres in the Respiratory Tract of the Rat." Annals of Occupational Hygiene, Vol. 23, pp. 353-366, 1980.(1)

Morgan, A., Cralley, L., Chemical Characteristics of Asbestos and Associated Trace Elements." Biological Effects of Asbestos, IARC Sci. Publ., No. 8, pp. 113-118, 1973.(2)

Morgan, A., Evans, J.C., Evans, R.J., Hounam, R.F., Holmes, A., Doyle, S.G., "Studies on the Deposition of Inhaled Fibrous Material in the Respiratory Tract of the Rat and its Subsequent Clearance Using Radioactive Tracer Techniques." Environmental Research, Vol. 10, pp. 196-207, 1975.

Morgan, A., Hartung, W., Wagner, J., "General Discussion on Other Mineral Fibres: Discussion Summary." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, pp. 999-1001, 1980.(1)(2)(5)

Morgan, A., Holmes, A., "Solubility of Asbestos and Man-Made Mineral Fibers *in vitro* and *in vivo*: Its Significance in Lung Disease." Environmental Research, Vol. 39, pp. 475-484, 1986.(1)

Morgan, A., Holmes, A., "The Distribution and Characteristics of Asbestos Fibres in the Lungs of Finnish Anthophyllite Mine-Workers." Environmental Research, Vol. 33, pp. 62-75, 1984.[1]

Morgan, A., Holmes, A., "The Deposition of MMMF in the Respiratory Tract of the Rat, Their Subsequent Clearance, Solubility In Vivo and Protein Coating." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Sci. Pub., WHO, Vol. 2, pp. 1-17, 1982.[5]

Morgan, A., Holmes, A., "Concentrations and Dimensions of Coated and Uncoated Asbestos Fibres in the Human Lung." British Journal of Industrial Medicine, Vol. 37, pp. 25-32, 1980.[1][2]

Morgan, A., Holmes, A., Gold, C., "Studies of the Solubility of Constituents of Chrysotile Asbestos *In Vivo* Using Radioactive Tracer Techniques." Environmental Research, Vol. 4, pp. 558-570, 1971.

Morgan, A., Holmes, A., "Neutron Activation Techniques in Investigations of the Composition and Biological Effects of Asbestos." Pneumoconiosis: Proceedings of the International Conference, Johannesburg 1969, Shapiro, H.A., ed., pp. 52-56, 1970.

Morgan, A., Talbot, R.J., Holmes, A., "Significance of Fibre Length in the Clearance of Asbestos Fibres from the Lung." British Journal of Industrial Medicine, Vol. 35, pp. 146-153, 1978.[1]

Morgan, A., Timbrell, V., "The Use of Neutron Activation Analysis to Determine the Composition of Blended Samples of Asbestos." International Journal of Applied Radiation and Isotopes, Vol. 22, pp. 745-751, 1971.

Moriates, S., "Test of New Method in the Removal of Vinyl Asbestos Tiles." New York City Department of Environmental Protection. November 1990.

Morinaga, K; Kohyama, N; Yokoyama, K; Yasui, Y; Hara, I; Sasaki, M; Suzuki, Y; Sera, Y; "Asbestos Fibre Content of Lings with Mesotheliomas in Osaka, Japan: A Preliminary Report" IARC Sci.Publ.(France) Vol.90, pp.438-443, 1989.

Morrow, PE; "Issues: Possible Mechanisms to Explain Dust Overloading of the Lungs." Fundamental and Applies Toxicology. Vol. 10, pp. 369-384. 1988.

Morton, P., Markland, C., Icohlbay, S., Longrie-Kline, D., Harper, C., Tan, J., Gerand, N., Properties of Fine Particulates Which Govern Their biological Activity. University of Minnesota, Duluth, Vol. 2, January 1982.[1]

Morton, P., Markland, C., Icohlbay, S., Longrie-Kline, D., Harper, C., Tan, J., Gerand, N., Properties of Fine Particulates Which Govern Their biological Activity. University of Minnesota, Duluth, Vol. 1, January 1982.[1]

Mossman, BT; "Mechanisms of Asbestos Carcinogenesis and Toxicity: The Amphibole Hypothesis Revisited." Br J Ind Med. Vol. 50, pp. 673-676. 1993.

Mossman, B.T., "Carcinogenic Potential of Asbestos and Non-Asbestos Fibres." Journal of Environ. Science and Health, Vol. C6, No. 2, pp. 151-196, 1988.

Mossman, B.T., Begin, R.O., eds., Effects of Mineral Dusts on Cells, NATO ASI Series, Vol. H30, Proceedings of the NATO Advanced Research Workshop on In Vitro Effects of Mineral Dusts on Cells held at Auberge Estrimont, Oxford, Quebec, Canada, September 20-23, 1988.[3]

Mossman, B.T., Bignon, J., Corn, M., Seaton, A., Gee, J.B.L., "Asbestos: Scientific Developments and Implications for Public Policy." Science, Vol. 247, pp. 294-301, 1990.[3]

Mossman, BT; Churg, A; "Mechanisms in the Pathogenesis of Asbestosis and Silicosis." Am J Crit Care Med. Vol. 157, pp. 1666-1680. 1998.

Mossman, BT; Cummins, A; Goldberg, J; Jung, M; Raabe, R; Timblin, CR; Tritton, TR; Zanella, CL; "Asbestos-Induces Phosphorylation of Edpidermal Growth Factor Receptor is Linked to c-fos and Apoptosis." American Journal of Physiology. Vol. 277, No. 4 Part 1, pp. L684-L693. Oct, 1999.

Mossman, BT; Craighead, JE; "Mechanisms of Asbestos Associated Bronchogenic Carcinoma." Asbestos-Realted Malignancy. Chapter 6, pp 137-150. 1986.

Mossman, BT; Faux, S; Janssen, Y; Jimenex, LA; Timblin, C; Zanella, C; Goldberg, J; Walsh, E; Barchowsky, A; Driscoll, K; "Cell Signaling Pathways Elicited by Asbestos." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1121-1125. September, 1997.

Mossman, B.T., Gee, J.B.L., "Asbestos-Related Diseases." NEJ Med., Vol. 320, No. 26, pp. 1721-1730, 1989.

Mossman, BT; Gilbert, R; "Factors Influencing Individual Response to Asbestos: Effects of Smoking and Asbestos on the Development of Lung Cancer" Symposium on Health Aspects of Exposure to Asbestos in Buildings pp.141-154 December 1989.

Mossman, B.T., Janssen, Y.M., Marsh, J.P., Sesko, A., Shatos, M.A., Doherty, J., Adler, K.B., Hamenway, D., Mickey, R., Vacek, P., Petruska, J., Kagan, E., "Development and Characterization of a Rapid-Onset Rodent Inhalation Model of Asbestosis for Disease Prevention." Toxicologic Pathology ISSN:0192-6233, Vol. 19, No. 4 (Part 1), pp. 412-418, 1991.[3]

Mossman, BT; Kamp, DW; Sigmund, A; Weitzman, MD; "Mechanisms of Carcinogenesis and Clinical Features of Asbestos-Associated Cancers." Cancer Investigation. Vol. 14, No. 5, pp. 466-480. 1996.

Mossman, B; Light, W; Wei, E; "Asbestos: Mechanisms of Toxicity and Carcinogenicity in the Respiratory Tract." Ann Rev Pharmacol. Toxicol. Vol. 23, pp. 595-615. 1983.

Mossman, B.T., Marsh, J.P., "Role of Active Oxygen Species in Asbestos-induced Cytotoxicity, Cell Proliferation, and Carcinogenesis." Cellular and Molecular Aspects of Fiber Carcinogenesis, Cold Spring Harbor Laboratory Press, 0-87969-361-4/91, pp. 159-168, 1991.[3]

Mossman, B.T., Marsh, J.P., "Evidence Supporting a Role for Active Oxygen Species in Asbestos-Induced Toxicity and Lung Disease." Environmental Health Perspectives, Vol. 81, pp. 91-94, 1989.[2]

Mossman, B; Robledo, R; "Cellular and Molecular Mechanisms of Asbestos-Induced Fibrosis." Journal of Cellular Physiology. Vol. 180, No. 2, pp. 158-166. Aug, 1999.

Mowe, G., Gylseth, B., Hartveit, F., Skaug, V., "Fiber Concentration in Lung Tissue of Patients with Malignant Mesothelioma: A Case-Control Study." Cancer, Vol. 56, pp. 1089-1093, September 1, 1985.[3]

Mowe, G., Ophus, E., Gylseth, B., "Asbestos Fibre Content in Tissue in Relation to Asbestos Exposure and Causes of Death." Fifth International Pneumoconiosis Conference, Venezuela, IL0 00158331, pp. 383-396, 1980.[1]

Mueller, B; Seifart, C; Barth, PJ; "Effect of Air Pollutants on the Pulmonary Surfactant System." European Journal of Clinical Investigation. Vol. 28, No. 9. pp. 762-777. 1998.

Muhle, H; Bellmann, B; "Significance of the Biodurability of Man-Made Vitreous Fibers to Risk Assessment." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1045-1047. September, 1997.

Muhle, H; Bellmann, B; Pott, F; "Comparative Investigations of the Biodurability of Mineral Fibres in the Lung" Environmental Health Perspectives Vol.102, No.Suppl.5, pp.163-168, 1994.

Muhle, H., Bellmann, B., Spurny, K.R., Pott, F., "Inhalation Experiments on Retention and Lung Clearance of Asbestos in Combination with Cigarette-Smoking." Biological Interaction of Inhaled Mineral Fibers and Cigarette Smoke. Proceedings of an International Symposium/Workshop, held at the Battelle Seattle Conference Center, April 10-14, 1988.[3]

Muhle, H., Bellman, B., Takenata, S., Ziem, Y., "Inhalation and Injection in Rats to Test the Carcinogenicity of MMMF." Annals Occupational Hygiene, Vol. 31, No. 4B, pp. 755-764, 1987.[1]

Muleski, G.E., Cowherd, C., "Evaluation of the Effectiveness of Chemical Dust Suppressants on Unpaved Road." U.S. Environmental Protection Agency Report No. EPA 600/2-87-102, ORD, ed., NTIS, 1987.

Muleski, G.E., Cuscino, T.A., Jr., Cowherd, C., Jr., "Definition of the Long-Term Controls Efficiency of Chemical Dust Suppressants Applied to Unpaved Roads." U.S. Environmental Protection Agency Report No. EPA 600/D-85-744, ORD, ed., NTIS #PB86-120235, 1985.

Mullin, C.W., "The Problem with Vinyl Asbestos Tiles." NAC Journal, Vol. 6, No. 1, pp. 37-39, 1988.[2]

Mulryan, H.T., "Characterization and Occurrence of Talc." Proceedings of the Symposium on Talc, Washington, C.D., pp. 16-21, May 8, 1973.[3]

Murphy, J.A., "Training the TEM Analyst." Asbestos Issues '89, Vol. Aug., pp. 42-47, 1989.

Muscat, JE; Huncharek, M; "Dietary Intake and the Risk of Malignant Mesothelioma." Br J Cancer. Vol. 37, No. 9, pp. 1122-5. May 1996.

Muscat, JE; Stellman, SD; Wynder, EL; "Insulation, Asbestos, Smoking Habits, and Lung Cancer Cell Types." American Journal of Ind Med. Vol. 27, No. 2, pp. 257-269. 1995.

Muscat, JE and Wynder, EL; "Cigarette Smoking, Asbestos Exposure, and Malignant Mesothelioma." *Cancer Research* 51:2263-2267. 1991.

Musk, AW; De Klerk, NH; Lee, YCG; "Asbestos-Related Pleural Disease in Western Australian Gold-Miners." Medical Journal of Australia. Vol. 170, No. 6, pp. 263-265. 1999.

Mutsaers, S; Harrison, N; McAnulty, R; Liao. J; Laurent, G; Musk, A; "Fibroblast Mitogens in Bronchoalveolar Lavage (BAL) Fluid From Asbestos-Exposed Subjects." FASEB Journal. Vol. 12, No. 5, pp. A791. 1998.

Myrvik, Q.N., Knox, E.A., Gordon, M., Shirley, P.S., "Effects of Asbestos on the Random Migration of Rabbit Alveolar Macrophages." Environmental Health Perspectives, Vol. 60, pp. 387-393, 1985.

Myrvik, Q.N., Wood, P., Hayakawa, H., "Effect of Chrysotile, Amosite and Crocidolite on the Oxidative Burst of Rabbit Alveolar Macrophages." Department of Microbiology and Immunology, Bowman Gray School of Medicine, Winston-Salem, North Carolina.[3]

Nadeau, D., Begin, R., "Enzymatic Profile of the Lung Lavage Fluid: Further Biochemical Evidences of a Toxicity Tolerance Threshold for Chrysotile Asbestos." Effects of Mineral Dusts on Cells, NATO ASI Series, Vol. H30, Proceedings of the NATO Advanced Research Workshop on In Vitro Effects of Mineral Dusts on Cells held at Auberge Estrimont, Oxford, Quebec, Canada, September 20-23, 1988.

Nakadate, T; "Decline in Annual Lung Function in Workers Exposed to Asbestos With and Without Pre-Existing Fibrotic Changes on Chest Radiography." Occupational and Environmental Med. Vol. 52, No. 6, pp. 368-373. 1995.

Nario, RC; Hubbard, AK; "Localization of Intercellular Adhesion Molecule-1 (ICAM-A) in the Lungs of Silica-Exposed Mice." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1183-1190. September, 1997.

National Academy of Sciences, "Measurement of Exposure to Asbestiform Fibers." 1983.[2]

National Academy Press, publ., "Asbestiform Fibers: Nonoccupational Health Risks." Committee on Nonoccupational Health Risks of Asbestiform Fibers, Board of Toxicology and Environmental Health Hazards Commission on Life Sciences, National Research Council, 1984.

National Asbestos Council, "New Orleans Papers & Session Summaries." Eighth Annual Asbestos Management Conference & Exposition, New Orleans Convention Center, February 19-22, 1991.[3]

National Institute for Occupational Safety and Health (NIOSH); Health Hazard Evaluation Report No. HETA-90-390-2065. September 1990.

National Institute for Occupational Safety and Health (NIOSH), "NIOSH Method 9002: PLM Analysis of Bulk Asbestos Samples." NIOSH, May 1989.[3]

National Institute for Occupational Safety and Health (NIOSH), "NIOSH Manual of Analytical Methods: Method 7402: TEM Analysis of Asbestos Fibers, Revision 1." NIOSH, May 15, 1989.

National Institute for Occupational Safety and Health (NIOSH), "NIOSH Manual of Analytical Methods: Method 7400." Revision #3, May 15, 1989.[3]

National Institute for Occupational Safety and Health (NIOSH), "NIOSH 7402 Method for Determination of Asbestos in Air Using Transmission Electron Microscopy." NIOSH, 1986.[1]

National Institute for Occupational Safety and Health (NIOSH), "NIOSH 7400 Method of Determination of Asbestos in Air Using Positive Phase Contrast Electron Microscopy." NIOSH, 1984.[1]

National Institute for Occupational Safety and Health (NIOSH), "Industrial Hygiene Survey Report for Asbestos Roofing Company, 860 Armor St., San Diego, California." NIOSH, Division of Field Studies and Clinical Investigations, Report No. IWS-48-17, NTIS No. PB81-2392840, 1977.

National Institute for Occupational Safety and Health (NIOSH), "Retrospective Cohort Study of Mortality." Publication 80-115, pp. 29-81.

National Sanitation Foundation, "Class II (Laminar Flow) Biohazard Cabinetry." NSF International Standard 49, 1987.[3]

Neenan, G., "Rule 1004. Asbestos-Containing Serpentine Material." Regulation X Toxic Air Contaminants, Sept. 1992.[4]

Nehls P; Seiler F; Rehn B; Greferath R; Bruch J. Formation and Persistence of 8-Oxoguanine Rat Lung Cells as an Important Determinant for Tumor Formation following Particle Exposure. *Environmental Health Perspectives*. 105(Suppl 5):1231–1240. September. 1997.

Newhouse, ML; "A Mortality Study of Workers Manufacturing Friction Materials with Chrysotile Asbestos." Ann Occup Hyg. Vol. 26, No. 1-4, pp. 889-909. 1982.

Newhouse, M., "Epidemiology of Asbestos-Related Tumors." Seminars in Oncology, John Wiley & Sons, publ., Vol. 8, No. 3, pp. 250-257, 1981.[1]

Newhouse, M.L., "Cancer Among Workers in the Asbestos Textile Industry." Biological Effects of Asbestos, IARC Sci. Publ., No. 8, pp. 203-208, 1973.[1][2]

Newhouse, M.L., "Mesothelioma of Pleura and Peritoneum Following Exposure to Asbestos in the London Area." British Journal of Industrial Medicine, Vol. 22, pp. 261-269, 1965.

Newhouse, M.L., Sullivan, K.R., "A Mortality Study of Workers Manufacturing Friction Materials: 1941-86." British Journal of Industrial Medicine, Vol. 46, pp. 176-179, 1989.[2]

New York Academy of Sciences (NYAS). *The third wave of asbestos disease: Exposure to asbestos in place-Public health control.* Landrigan, PJ and Kazemi, H eds. The New York Academy of Sciences. Vol. 643. 1991.

Nicholson, W.J., "Airborne Mineral Fibre Levels in the Non-Occupational Environment." pp. 239-261, 1989.[3]

Nicholson, W.J., "Airborne Levels of Mineral Fibers in the Non-Occupational Environment." Report, Division of Environmental and Occupational Health, Mt. Sinai School of Medicine, City University of New York, publ., pp. 39, 1988.[1][2]

Nicholson, W.J., "Airborne Asbestos Health Assessment Update." U.S. Environmental Protection Agency, Office of Health and Environmental Assessment, EPA 600/8-84-003F, 1985.

Nicholson, W.J., "Dose-Response Relationships for Asbestos and Inorganic Fibers." Mt. Sinai School of Medicine, City University of New York, Environmental Sciences Laboratory, 1981.[1]

Nicholson, W.J., "The Dose and Time Dependence of Occupational Cancer (Summary)." National Institute of Environmental health Sciences, pp. 13-16, 1981.[1]

Nicholson, W.J., "Part III. Recent Approaches to the Control of Carcinogenic Exposures. Case Study 1: Asbestos - The TLV Approach." Annals New York Academy of Science, Vol. 271, pp. 152-169, 1976.

Nicholson, W.J., "Asbestos in The Office Air." Job Safety & Health, Vol. 4(3), pp. 12-EOA, 1976.[3]

Nicholson, W.J., "Applicability of Asbestos Standard to Fibrous Talc." Proceedings of the Symposium on Talc, Washington, C.D., pp. 77-, May 8, 1973.[3]

Nicholson, W.J., Lilis, R., Frank, A.L., Selikoff, I.J., "Lung Cancer Prevalence Among Shipyard Workers." American Journal of Industrial Medicine, Vol. 1, pp. 191-203, 1980.[1][2]

Nicholson, W.J., Pundsack, F.L., "Asbestos in the Environment." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Sci. Pub., No. 8, 1980.

Nicholson, W.J., Rohl, A.N., Weisman, I., "Asbestos Contamination of the Air in Public Buildings." U.S. Environmental Protection Agency, EPA-450/3-76/004, NTIS PB 250 980, 1975.[3]

Nicholson, W.J., Rohl, A.N., Weisman, I., Selikoff, I.J., "Environmental Asbestos Concentrations in the United States." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Sci. Pub., Vol. 2, No. 30, pp. 823-828, 1980.[1][2]

Nicholson, W.J., Selikoff, I.J., Hammond, E.C., Seidman, H., "Mortality Experience of Asbestos Factory Workers; Effect of Differing Intensities of Asbestos Exposure." Report, C.V.N.Y.[1]

Nicholson, W.J., Selikoff, I.J., Seidman, H., Lilis, R., Formby, P., "Long-Term Mortality Experience of Chrysotile Miners and Millers in Thetford Mines, Quebec." Health Hazards of

Asbestos Exposure., I.J. Selikoff, E.C. Hammond, ed., New York Academy of Sciences, publ., Vol. 330, pp. 11-21 1979.[1][2]

Nikula KJ; Avila KJ; Griffith WC; Mauderly JL. Sites of Particle Retention and Lung Tissue Responses to Chronically Inhaled Diesel Exhaust and Coal Dust in Rats and Cynomolgus Monkeys. *Environmental Health Perspectives.* 105(Suppl 5):1231–1240. September. 1997.

Noble, J.A., "Ore mineralization in the Homestake Gold Mine, Lead, South Dakota." Bulletin of the Geological Society of America, Vol. 61, pp. 221-252, March 1950.[3]

Nolan, RP; Langer, AM; Addison, J; "Lung Content Analysis of Cases Occupationally Exposed to Chrysotile Asbestos" Environmental Health Perspectives pp.245-250, no date.

Nolan, RP; Langer, AM; Herson, GB; "Physicochemical Characteristics of Quartz Dust Which Controls its Biological Activity." Toxicity/Surface Characterization II. pp. 754. 1988.

Nolan, RP; Langer, AM; Wilson, R; "A Risk Assessment for Exposure to Grunerite Asbestos (Amosite) in an Iron Ore Mine." Proc. Natl. Acad. Sci. USA Vol. 96, pp. 3412-3419. March 1999.

NVLAP; "Fee Policy, Schedule and Forms" NIST-1144K (REV.5-91) 1990.

Oberdorster, G; "Macrophage-Associated Responses to Chrysotyle" Annals of Occupational Hygiene Vol.38, No.4, pp.601-615, 1994.

Oberdorster, G., "Combined Effects of Tobacco Smoke and Asbestos Fibers in the Lung: Synergism or Incrased Dose to Target Sites?" Biological Interaction of Inhaled Mineral Fibers and Cigarette Smoke. Proceedings of an International Symposium/Workshop, held at the Battelle Seattle Conference Center, April 10-14, 1988.[3]

Oberdorster, G., Ferin, J., Finkelstein, J., Soderholm, S., Gelein, R., "Mechanistic Studies on Particle-Induced Acute and Chronic Lung Injury." 3rd International Aerosol Conference, Kyoto, Japan, 1990.[3]

Oberdorster, G; Morrow, PE; Spurny, K; "Size Dependent Lymphatic Short Term Clearance of Amosite Fibres in the Lung." Annals of Occupational Hygiene. Vol. 32, (Supl 1). pp. 149-156. 1988.

Occupational Safety and Health Administration. "Occupational Exposure to Asbestos, Tremolite, Anthophyllite, and Actinolite; Final Rule." 29 CFR Parts 1910 and 1926. *Federal Register 57:109:24310-24331.* June 8, 1992.

Occupational Safety and Health Administration "National Emission Standards for Asbestos-Background Information for Proposed Standards (Emission Standards and Engineering Division)"
(Draft) December 14, 1990.

Oehlert, G.W., "A Reanalysis of the Stanton *et al.* Pleural Sarcoma Data." Environmental Research, Vol. 54, pp. 194-205, 1991.[3]

Ohlson, C.G., "Is Chrysotile a Significant Risk Factor for Mesothelioma?" American Journal of Industrial Medicine, Vol. 15, pp. 351-352, 1989.

Ohlson, C., Hogstedt, C., "Lung Cancer Among Asbestos Cement Workers. A Swedish Cohort Study and a Review." British Journal of Industrial Medicine, Vol. 42, No. 6, pp. 397-402, 1985.(1)

Okayasu, R; Wu, L; Hei, TK; "Biological Effects of Naturally Occurring and Man-Made Fibres: In Vitro Cytotoxicity and Mutagenesis in Mammalian Cells." Brit J Cancer. Vol. 79, No. 9/10, pp. 1319-1324. 1999.

Olcerst, R; "Analytical Limits of Asbestos Fiber Detection" Appl.Occup.Environ.Hyg. Vol.10, No.9, pp.776-782, 1995.

Oliver, LC; Sprince, NL; Greene, R; "Asbestos-Related Radiographic Abnormalities in Public School Custodians." Toxicol Ind Health (UNITED STATES). Vol. 6, No. 6, pp. 629-636. December, 1990.

Oliver, L.C., Sprince, N.L., Greene, R.E., "Asbestos-Related Disease in Public School Custodians." Department of Medicine, Harvard Medical School, 1980?

Ollikainen, T; Linnainmaa, K; Kinnula, VL; "DNA Single Strand Breaks Induced by Asbestos Fibers in Human Pleural Mesothelial Cells In Vitro." Environmental and Molecular Mutagenesis. Vol. 33, No. 2, pp. 153-160. 1999.

Olsen, J.H., Jensen, O.M., Kampstrup, O., "Influence of Smoking Habits and Place of Residence on the Risk of Lung Cancer Among Workers in One Rock-Wool Producing Plant in Denmark." Scand J Work Environ Health, Vol. 12, suppl 1, pp. 48-52, 1986.(3)

Omenn, GS; CARET Co-Investigation and Staff; Brief Report "CARET, the Beta-Carotene and Retinol Efficacy Trial to Prevent Lung Cancer in High-Risk Populations" Public Health Rev. Vol.19, pp.205-208, 1991/92.

Omenn, G.S., Merchant, J., Boatman, E., Dement, J.M., Kuschner, M., Nicholson, W.J., Peto, J., Rosenstock, L., "Contributions of Environmental Fibres to Respiratory Cancer." Environmental health Perspectives, Vol. 70, pp. 51-56, 1986.

Ontario Royal Commission. Report of the Royal Commission on Matters of Health and Safety Arising form the Use of Asbestos in Ontario. Volume 3. 1984.

Ortiz, Lawrence, W., Isom, B.L., "Transfer Technique for Electron Microscopy of Membrane Filter Samples." American Industrial Hygiene Assn. Journal, Vol. 35, pp. 423, 1974.

Osgood, C; Sterling, D; "Chrysotile and Amosite Asbestos Induce Germ-Line Aneuploidy in Drosophila." Mutation Research. Vol. 261, pp. 9-13. 1991.

Osier M; Baggs RB; Oberdörster G. 1997. Intratracheal Instillation vs. Intratracheal Inhalation: Influence of Cytokines on Inflammatory Response. Proceedings of the Sixth International

Meeting on the Toxicology of Natural and Man-Made Fibrous and Non-Fibrous Particles. *Environmental Health Perspective.* 105(Suppl 5):1265

Osornio-Vargas, AR; Kalter, VG; Badgett, A; Hernandez-Rodriguez, N; Aguilar-Delfin, I; Brody, AR; "Rapid Communication: Early-Passage Rat Lung Fibroblasts do not Migrate *In Vitro* to Transforming Growth Factor-Beta." Am J Respir Cell Mol Biol (United States). Vol. 8, No. 5, pp. 468-471. May, 1993.

Oulton, T.D., "Mineralogy, Identification, and Quantification of Airborne Talc Dust." Proceedings of the Symposium on Talc, Washington, C.D., pp. 89-96, May 8, 1973.[3]

Ozdemir, T; Coplu, L; Dincer, N; Isik, L; Dumortier, P; Artvinli, M; "Environmental Tremolite Exposure in a Village Located in Southwest of Turkey." European Respiratory Journal Supplement. Vol. 10, No. 25, pp. 230S. 1997.

Ozdemir, N; Metintas, M; Ucgun, I; Metintas, S; Erginel, S; Harmanci, E; Alatas, F; Terzioglu, A; Isik, R; "Environmental Asbestos Exposure and Malignant Pleural Mesothelioma." European Respiratory Journal Supplement. Vol. 9, No. 23, pp. 248S. 1996.

Paik, N.W., Walcott, R.J., Brogan, P.A., "Worker Exposure to Asbestos During Removal of Sprayed Material and Renovation Activity in Buildings Containing Sprayed Material." Am. Ind. Hyg. Assoc. J., Vol. 44, No. 6, pp. 428-432, 1983.[3]

Pairon, J-C; Martinon, L; Brochard, P; "Mineralogical Analysis and Exploration of Asbestos Diseases." Revue des Maladies Respiratoires. Vol. 16, No. 2, pp. 2S9-2S17. 1999.

Palekar, L.D., Cook, P.M., Coffin, D.L., "In Vitro Effects of Mineral Fibres." Environmental Health Perspectives, Vol. 51, pp. 11-16, 1983.

Palekar, L.D., Most, B.M., Coffin, D.L., "Significance of Mass and Number of Fibers in the Correlation of V79 Cytotoxicity with Tumorigenic Potential of Mineral Fibers." Environmental Research, Vol. 46, pp. 142-152, 1988.

Palekar, LD; Spooner, CM; Coffin, DL; "Influence of Crystallization Habit of Minerals on *In Vitro* Cytotoxicity." Annals New York Academy of Sciences. pp. 673-687. 1979.

Palluzi, R.P., "Practical Aspects of an Asbestos Abatement Program in an Industrial Facility." ECON; Environmental Contractor, Vol. Aug., pp. 10-20, 1989.

Paoletti, L., Batisti, D., Caiazza, S., Petrelli, M.G., Taggi, F., DeZorzi, L., Dina, M.A., Donelli, G., "Mineral Particles in the Lungs of Subjects Resident in the Rome Area and Not Occupationally Exposed to Mineral Dust." Environmental Research, Vol. 44, pp. 18-28, 1987.

Paoletti, L., Caiazza, S., Chessa, E., Notargiacomo, S., Donelli, G., "Valutazione Qualitative e Quantitativa Mediante Microscopia Elettronica e Tecniche Associate, Del Grado Di Inquinamento Da Asbesto Di Talchi Per Uso Industriale, Cosmetico e Farmaceutico." Ann. Ist. Super. Sanita, Vol. 18, No. 2, pp. 341-350, 1982.

Paoletti, L., Caiazza, S., Donelli, G., Pocchiari, F., "Evaluation by Electron Microscopy Techniques of Asbestos Contamination in Industrial, Cosmetic, and Pharmaceutical Talcs." Regulatory Toxicology and Pharmacology, Vol. 4, pp. 222-235, 1984.

Paoletti, L; Puledda, S; "Determinazione Quantitativa Dell'Amiainto in Campioni in Massa" Ann.Ist.Super.Sanita
Vol.30, No.2, pp.213-221, 1994.

Papierer, E; Roland, P; "Grinding of Chrysotile in Hydrocarbons, Alcohol, and Water" Clays and Clay Minerals Vol.29, No.3, pp.161-170, 1981.

Park, S-H; Aust, AE; "Regulation of Nitric Oxide Synthase Induction by Iron and Glutathione in Asbestos-Treated Human Lung Epithelial Cells." Archives of Biochemistry and Biophysics. Vol. 360, No. 1, pp. 47-52. 1998.

Parris, M.L., Starner, K., "Asbestos Containing Materials in School Buildings: Bulk Sample Analysis QA Program: Rounds 12, 13, and Blind Round III." U.S. Environmental Protection Agency, EPA/600/4-86/028, NTIS PB86-222353, July 1986.

Pasquini, D.A., Parris, M.L., Laird, L.T., "Asbestos-Containing Materials in School Buildings: Bulk Sample Analysis QA Program - Bulk Sample Round II." U.S. Environmental Protection Agency, EPA/600/4-85/047, NTIS PB85-246999, July 1985.

Pearce, N., Checkoway, H., Dement, J., "Exponential Models for Analysis of Time-Related Factors, Illustrated with Asbestos Textile Worker Mortality Data." Journal of Occupational Medicine, Vol. 30, No. 6, pp. 517-522, 1989.

Pele, J.P., Calvert, R., "A Comparative Study on the Hemolytic Action of Short Asbestos Fibers on Human, Rat, and Sheep Erythrocytes." Environmental Research, Vol. 31, pp. 164-175, 1983.

Perderiset, M., Marsh, J.P., Mossman, B.T., "Effects of Asbestos on Specific Binding of Phorbol Ester Tumore Promoter and Protein Kinase C Activity in Hamster Tracheal Epithelial (HTE) Cells." Effects of Mineral Dusts on Cells, NATO ASI Series, Vol. H30, Proceedings of the NATO Advanced Research Workshop on In Vitro Effects of Mineral Dusts on Cells held at Auberge Estrimont, Oxford, Quebec, Canada, September 20-23, 1988.[3]

Perkins, J.W., "A New Concept in Managing ACBM in Multiple-Building Facilities." National Asbestos Council, 8th Annual Asbestos Management Conference, New Orleans, February 1991, Session 2, Paper II, 1991.[3]

Perkins, RL; Harvey, BW; "Test Method: Method for the Determination of Asbestos in Bulk Building Materials" Atmospheric Research and Exposure Assessment Laboratory; U.S. EPA EPA Contracts Nos. 68024550 and 68D10009 RTI Project No.91U-5960-181, EPA/600/R-93/116, June 1993.

Perkins, RL; Harvey, BW; Test Method: Method for the Determination of Asbetos in Bulk Building Materials. EPA/600/R-93/116. July, 1993.

Perkins, RL; Harvey, BW; "Test Method: Method For The Determination Of Asbestos In Bulk Building Materials" (Draft) Center for Environmental Measurements and Quality Assurance; prepared for Methods Research and Exposure Assessment Laboratory; U.S. EPA under EPA Contract No. 68D10009; RTI/5960-141, August 1992.

Perkins, R.L., Harvey, B.W., "Test Method: Method for the Determination of Asbestos in Bulk Building Materials (Draft)." Environmental Science and Engineering Center for Environmental Measurements, No. RTI/4699-060, 1990.[2]

Peters, ET; "How Do Current Methods of Measuring Asbestos Exposure Address Risk to the General Population?" Symposium on Health Aspects of Exposure to Asbestos in Buildings pp.171-198. December 1989.

Peters, E.T., Doerfler, T.E., "Amphibole Mineral Fiber Analysis By Electron Microscopy: Comparison of Sample Preparation Procedures." Electron Microscopy and X-Ray Applications to Environmental and Occupational Health, pp. 184-203, 1978.

Peterson, J.T., Greenburg, S.D., Buffler, P.A., "Non-Asbestos-Related Malignant Mesothelioma." Cancer, Vol. 54, pp. 951-960, 1984.

Peto, J; "Fibre Carcinogenesis and Environmental Hazards" Symposium on Health Aspects of Exposure to Asbestos in Buildings pp.279-207 December 1989.

Peto, J., "Discussion Summary." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, pp. 731-734, 1980.[1][2][5]

Peto, J., "Lung Cancer Mortality in Relation to Measured Dust Levels in an Asbestos Textile Factory." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, pp. 829-836, 1980.[1]

Peto, J., "The Incidence of Pleural Mesothelioma in Chrysotile Asbestos Textile Workers." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, pp. 703-711, 1980.[1][2][5]

Peto, J., Doll, R., Hermon, C., Binns, W., Clayton, R., Goffe, T., "Relationship of Mortality to Measures of Environmental Asbestos Pollution in an Asbestos Textile Factory." Annals Occupational Hygiene, Vol. 29, No. 3, pp. 305-355, 1985.[1][2]

Peto, J., Doll, R., Howard, S.V., Kinlen, L.J., Lewinsohn, H.C., "A Mortality Study Among Workers in an English Asbestos Factory." British Journal of Industrial Medicine, Vol. 34, pp. 169-173, 1977.[1]

Peto, J., Seidman, H., Selikoff, I.J., "Mesothelioma Mortality in Asbestos Workers: Implications for Models of Carcinogenesis and Risk Assessment." British Journal of Cancer, Vol. 45, pp. 124-135, 1982.[1]

Peto, J., Seidman, H., Selikoff, I.J., "Mesothelioma Incidence Among Asbestos Workers: Implications for Models of Carcinogenic and Risk Assessment Calculations."

Picken, C.S., "Summary of the Most Significant Changes to the Asbestos NESHAP Concerning Demolition and Renovation Operations." Quinn, Ward and Kershaw. February 1991.[3]

Pinchin, D.J., "Asbestos in Buildings." Royal Commission on Asbestos, Study No. 8, Vol. June 1982.

Pinkerton, K.E., Brody, A.R., McLauren, D.A., Adkins, B., Jr., O'Connor, R.W., Pratt, P.C., Crapo, J.D., "Characterization of the Three Types of Chrysotile Asbestos After Aerosolization." Environmental Research, Vol. 31, pp. 32-35, 1983.

Pinkerton, K.E., Plopper, C.G., Mercer, R.R., Rogli, V.L., Patra, A.L., Brody, A.R., Crap, J.D., "Airway Branching Patterns Influence Asbestos Fiber Location and the Extent of Tissue Injury in the Pulmonary Parenchyma." Laboratory Investigation, Vol. 55, No. 6, pp. 688-695, 1986.[1][2]

Pinkerton, K.E., Pratt, P.C., Brody, A.R., Crapo, J.D., "Fiber Localization and Its Relationship to Lung Reaction in Rats After Chronic Inhalation of Chrysotile Asbestos." American Journal of Pathology, Vol. 117, pp. 484-499, 1984.[1][2]

Pinkerton, K.E., Yu, C-P., "Intrapulmonary Airway Branching and Parenchymal Deposition of Chrysotile Asbestos Fibers." Biological Interaction of Inhaled Mineral Fibers and Cigarette Smoke. Proceedings of an International Symposium/Workshop, held at the Battelle Seattle Conference Center, April 10-14, 1988.

Pinkerton, M.K., "Clinical Laboratory Methods." Proceedings of the Conference on Atmospheric Contamination in Confined Spaces, 30 March - 1 April 1965, Air Force Systems Command, publ., Vol. Dec., pp. 46-57, 1986.

Piolatto, G., Negri, E., LaVecchia, C., Pira, E., Decarli, A., Peto, J., "An Update of Cancer Mortality Among Chrysotile Asbestos Miners in Balangero, Northern Italy." British Journal of Industrial Medicine, Vol. 47, pp. 810-814, 1990.[3]

Platek, S.F., Groth, D.H., Ulrich, C.E., Stettler, L.E., Finnell, M.S., Stoll, M., "Chronic Inhalation of Short Asbestos Fibres." Fundamental and Applied Toxicology, Vol. 5, pp. 327-340, 1985.[1][2]

Platek, SF; Riley, RD; Simon, SD; "The Classification of Asbestos Fibres by Scanning Electron Microscopy and Computerdigitizing Tablet" Ann. Occup. Hyg. Vol.36, No.2, pp.155-171, 1992.

Plowman, C., Hobson, E., "The Identification of Asbestos by X-Ray Diffraction." American Industrial Hygiene Association Journal, Vol. 41, pp. 299-304, 1980.

Pluygers, E; Baldewyns, P; Minette, P; Beauduin, M; Gourdin, P; Robinet, P; "Biomarker Assessments in Asbestos-Exposed Workers as Indicators for Selective Prevention of Mesothelioma or Bronchogenic Carcinoma: Rationale and Practical Implementations." Eur J Cancer Prev (ENGLAND). Vol. 1, No. 1, pp. 57-68. October, 1991.

Poole, A., Brown, R.C., Fleming, G.T.A., "Study of the Cell-Transforming Ability of Amosite and Crocidolite Asbestos and the Ability to Induce Changes in the Metabolism and Macromolecular Binding of Benzo(a)pyrene in C3H10T½ Cells." Environmental Health Perspective, Vol. 51, pp. 319-324, 1983.

Poole, A., Brown, R.C., Rood, A.P., "The In Vitro Activities of a Highly Carcinogenic Mineral Fiber - Potassium Octatitanate." Br. J. Exp. Path., Vol. 67, pp. 289-296, 1986.[2]

Pooley, F.D., "A Comparison of Fibre Dimensions in Chrysotile, Crocidolite and Amosite Particles from Samples of Airborne Dust and From Post Mortem Lung Tissue Specimens." pp. 79-86.

Pooley, F.D., "Tissue Burden Studies." Short and Thin Mineral Fibres: Identification, Exposure, and Health Effects, Chatfield, E.J., ed., pp. 96-129, 1982.[1][2]

Pooley, F.D., "An Examination of the Fiberous Mineral Content of Asbestos Lung Tissue from the Canadian Chrysotile Mining Industry." Environmental Research, Vol. 12, pp. 281-298, 1976.[1][2]

Pooley, F.D., "Mesothelioma in Relation to Exposure." Biological Effects of Asbestos, Wagner, J.C., ed., IARC Scientific Publications, pp. 222-225, 1973.[1][2]

Pooley, F.D., Clark, N., "Fiber Dimensions and Aspect Ratio of Crocidolite, Chrysotile, and Amosite Particles Detected in Lung Tissue Specimens." Annals New York Academy of Sciences, Vol. 330, pp. 711-716, 1979.[1][2]

Popendorf, W., Wenk, H.-R., "Chrysotile Asbestos in a Vehicular Recreation Area: A Case Study." Environmental Effects of Off-Road Vehicles, pp. 375-396, 1983.[2]

Popendorf, W; Wenk, H-R; Chapter 20 "Chrysotile Asbestos in a Recreation Area: A Case Study" Environmetal Effects of OFF-Road Vehicles - Impacts and Mangement in Arid Regions , 1983.

Pott, F., "A Hypothesis for Explaining the Syncarcinogenic Effect of Cigarette Smoke and Asbestos." Biological Interaction of Inhaled Mineral Fibers and Cigarette Smoke. Proceedings of an International Symposium/Workshop held at the Battelle Seattle Conference Center, April 10-14, 1988.[3]

Pott, F., "Problems in Defining Carcinogenic Fibres." Annals of Occupational Hygiene, Vol. 31, No. 4B, pp. 799-802, 1987.

Pott, F., "Animal Experiments with Mineral Fibers." Short and Thin Mineral Fibers: Identification, Exposure, and Health Effects, Chatfield, E.J., ed., pp. 133-161, 1982.[1]

Pott, F., "Some Aspects on the Dosimetry of the Carcinogenic Potency of Asbestos and Other Fibrous Dusts." Staub-Reinhalt, Vol. 38, No. 12, pp. 486-490, 1978.[1]

Pott, F; "Detection of Mineral Fibre Carcinogenicity with the Intraperitioneal Test-Recent Results and their Validity" Ann.Occup.Hyg. Vol.39, No.5, pp.771-779.

Pott, F., Friedrichs, K.H., Huth, F., "Results of Animal Experiments Concerning the Carcinogenic Effect of Fibrous Dusts and Their Interpretation with Regard to the Carcinogenesis in Human." Zbl. Bakt. Hyg., I. Abt. Orig. B162, pp. 467-505, 1976.

Pott, F., Huth, F., Friedrichs, K.H., "Results of Animal Carcinogenesis Studies After Application of Fibrous Glass and Their Implications Regarding Human Exposure." Occupational Exposure to Fibrous Glass, U.S. HEW Publication No. 76-151, pp. 183-191, 1976.[1][2]

Pott, F., Huth, F., Friedrichs, K.H., "Tumorigenic Effect of Fibrous Dust in Experimental Animals." Environmental Health Perspectives, Vol. 9, pp. 313-315, 1974.[1]

Pott, F., Huth, F., Friedrichs, K.H., "Tumorigenic Effect of Fibrous Dust in Experimental Animals." Environmental Health Perspectives, Vol. 9, pp. 313-315, 1974.[1]

Pott, F; Roller, M; "Relevance of Nonphysiologic Exposure Routes for Carcinogenicity Studies of Solid Particles." Toxic Carcinog. Eff. Solid Part. Respir. Tract. Pp. 109-125. 1994.

Pott, F; Roller, M; Kamino, K; Bellmann, B; "Significance of Durability of Mineral Fibers for their Toxicity and Carcinogenic Potency in the Abdominal Cavity of Rats in Comparison with the low Sensitivity of Inhalation Studies" Environmental Health Perspectives Vol.102, No. Suppl.5. pp.145-150, 1994.

Pott, F., Schlipkoter, H.W., "New Results from Implementation Experiments with Mineral Fibers." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Sci. Pub., Vol. 2, pp. 286-302, 1982.[5]

Pott, F., Ziem, U., Mohr, U., "Lung Carcinomas and Mesotheliomas Following Intratracheal Instillation of Glass Fibres and Asbestos." Proc of 6th Pneumoconiosis Conf., pp. 747-756, 1983.[1]

Pott, F., Ziem, U., Reiffer, R.J., Huth, F., Ernst, H., Mohr, U., "Carcinogenicity Studies on Fibres, Metal Compounds, and Some Other Dusts in Rats." Experimental Pathology, Vol. 32, pp. 129-152, 1987.[1]

Prentice, J., Gonsalves, B., "Reproducibility of Dust Disturbance Techniques During Clearance Sampling After Asbestos Removal." Annals of Occupational Hygiene, Vol. 29, No. 3, pp. 435-439, 1985.

Price, B; "Assessing Asbestos Exposure Potential in Buildings" Symposium on Health Aspects of Exposure to Asbestos in Buildings pp.197-220 December 1989.

Price, B., Chesson, J., Berner, T., Statistical Support Document for Asbestos in Buildings Simplified Sampling Scheme for Friable Surfacing Materials. U.S. Environmental Protection Agency, EPA 560/5-85-030b, Vol. December 1985.

Pritchard, J.N., Holmes, A., Evans, J.C., Evans, N., Evans, R.J., Morgan, A., "The Distribution of Dust in the Rat Lung Following Administration by Inhalation and by Single Intratracheal Instillation." Environmental Research, Vol. 36, pp. 268-297, 1985.[1]

Prodi, V., Mularoni, A., "Electrostatic Lung Deposition Experiment with Humans and Animals." Annals of Occupational Hygiene, Vol. 29, No. 2, pp. 229-240, 1985.

Pustinger, J.V., "Analytical Techniques for Identification of Gas-Off Products from Cabin Materials." Proceedings of the Conference on Atmospheric Contamination in Confined Spaces, 30 March - 1 April 1965, Air Force Systems Command, publ., Vol. Dec., pp. 276-295, 1986.

Quinlan, TR; Berube, KA; Hacker, MP; Taatjes, DJ; Timblin, CR; Goldberg, J; Kimberley, P; O'Shaughnessy, P; Hemenway, D; Torino, J; Jimenez, LA; Mossman, BT; "Mechanisms of Asbestos-Induced Nitric Oxide Production by Rat Alveolar Macrophages in Inhalation and In Vitro Models." Free Radical Biology & Medicine. Vol. 24, No. 5, pp. 778-788. 1998.

Raabe, O., "Deposition and Clearance of Inhaled Particles." Occupational Lung Diseases, Gee, J.B., et al., eds., Raven Press, pp. 1047, 1984.(1)

Radulescu-D., N., "Asbest - Quantitative Bestimmung Mittels Infrarotspektroskopie." Zeitschrift fur die gesamte Hygiene und ihre Grenzgebiete, Vol. 29, No. 11, pp. 682-683, 1983.

Raffn, E., Lynge, E., Jeol, K., Korsgaard, B., "Incidence of Cancer and Mortality Among Employees in the Asbestos Cement Industry in Denmark." British Journal of Industrial Medicine, Vol. 46, pp. 90-96, 1989.(2)

Raffn, E; Villadsen, E; Lynge, E; "Colorectal Cancer in Asbestos Cement Workers in Denmark." American Journal of Ind Med. Vol. 30, No. 3, pp. 267-272. 1996.

Rahman, Q; Lohani, M; Becker, H-H; Dopp, E; Schiffmann, D; Schiffmann, F; "Co-Exposure to Kerosene Soot and Chrysotile Asbestos Causes Additive Genotoxic Effects in Syrian Hamster Embryo Fibroblasts." European Journal of Cell Biology. Vol. 78, No. 49, pp. 99. 1999.

Rahman, Q; Mahmood, N; Khan, SG; Arif, JM; Athar, M; "Mechanism of Asbestos-Mediated DNA Damage: Role of Heme and Heme Proteins." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1109-1112. September, 1997.

Ransome, J.W., Scott, N.M., Knoblock, E.C., "Selenium Sulfide Intoxification." New England Journal of Medicine, Vol. 264, pp. 384-385, 1981.

Rao, A.V., Parker, C., Whitehurst, D., Lentzen, D., Hartwell, T., Breen, J.J., "Asbestos Analytical Programs Bulk Sample Analysis: New York City and Maryland." U.S. Environmental Protection Agency, Office of Pesticides and Toxic Substances, EPA/560/13-80-21, Vol. Sept, NTIS #PB81-146722, 1980.(2)

Rappoport, R.D., "Indoor Air Quality: A Review of Current Knowledge." South Coast Air Quality Management District, Planning Division Report, September 1986.(3)

Rasnic, JB; Memorandum: "Clarification of Asbestos NESHAP Requirement to Perform Point Counting" U.S. EPA 20450.

Raudsepp, M., Turnock, A.C., Hawthorne, F.C., Sherriff, B.L., Hartman, J.S., "Characterization of Synthetic Pargasite Amphiboles ($NaCa_2Mg_4M^{3+}Si_6Al_2O_{22}(OH,F)_2$; M^{3+} = Al, Cr, Ga, Sc, In) by Infrared Spectroscopy, Rietveld Structure Refinement, and ^{27}Al, ^{29}Si, and ^{19}F MAS NMR Spectroscopy." American Mineralogist, Vol. 72, pp. 580-593, 1987.(3)

RCF Coalition; Research "Multidose Animal Inhalation Study of Refractory Ceramic Fibers", no date.

Reed, L.P., "Health Hazard Evaluation; Wilmington High School, Wilmington, Ohio." NIOSH, HETA 82-179-1154, NTIS No. PB84-150440, 1982.

Rees, D; Bachmann, MO; Blignaut, C; Chapman, R; Fourie, E; Goodman, K; Myers, J; "Asbestos Exposure and Mesothelioma in South Africa." SAMJ (South African Medical Journal). Vol. 89, No. 6, pp. 627-634. June, 1999.

Rees, D; Myers, JE; Goodman, K; Fourie, E; Blignaut, C; Chapman, R; Bachmann, MO; "Case-Control Study of Mesothelioma in South Africa." American Journal of Ind Med. Vol. 35, No. 3, pp. 213-222. 1999.

Reeves, J.L., "Experimental Biological and Biochemical Parameters." Proceedings of the Conference on Atmospheric Contamination in Confined Spaces, 30 March - 1 April 1965, Air Force Systems Command, publ., Vol. Dec., pp. 58-65, 1986.

Reid, G; Kielkowski, D; Steyn, SD; Botha, K; "Mortality of an Asbestos-Exposed Birth Cohort: A Pilot Study." S Afr Med J. Vol. 78, pp. 584-586. 17 November, 1990.

Reiss, B., Tong, C., Teland, S., Williams, G.M., "Enhancement of Benzo[a]pyrene Mutagenicity by Chrysotile Asbestos in Rat Liver Epithelial Cells." Environmental Research, Vol. 31, pp. 100-104, 1983.

Rendall, R., "The Data Sheets on the Chemical and Physical Properties of the UICC Standard Reference Samples." Proceedings of 3rd International Conference on Pneumoconiosis, Johannesburg, S.A., pp. 23-27, 1969.(2)

Rendall, R.E.G., "Physical and Chemical Characteristics of UICC Reference Samples." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, pp. 87-96, 1980.(1)(2)

Rendall, R.E.G., "The Data Sheets on the Chemical and Physical Properties of the U.I.C.C. Standard Reference Samples." Pneumoconiosis: Proceedings of the International Conference, Johannesburg 1969, Shapiro, H.A., ed., pp. 23-27, 1970.

Rendall, R.E.G., Skikne, M.I., "Submicroscopic Fibres in Industrial Atmospheres." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, pp. 837-845, 1980.(1)

Renke, W; "Evaluation of Pathological Changes in Respiratory System of Workers Exposed to Asbestos Dust." Bull Inst Marit Trop Med Gdynia (POLAND). Vol. 41, No. 1-4, pp. 5-15. 1990.

Renner, R; "Asbestos in the Air." Scientific American. News and Analysis. pp. 34. February, 2000.

Reynolds, H.H., "Performance Measures During Exposure to Toxic Environments." Proceedings of the Conference on Atmospheric Contamination in Confined Spaces, 30 March - 1 April 1965, Air Force Systems Command, publ., Vol. Dec., pp. 86-97, 1986.

Reynolds, SJ; Kreiger, RA; Bohn, JA; Fish, D; Marxhausen, T; McJilton, C; "Factors Affecting Airborne Concentrations of Asbestos in a Commercial Building" Am.Ind.Hyg.Assoc.J. Vol.55; No.9, pp.823-828, 1994.

Rickards, A.L., "Estimation of Trace Amounts of Chrysotile Asbestos by X-Ray Diffraction." Analytical Chemistry, Vol. 44, No. 11, pp. 1872-1873, 1972.

Rickards, A.L., Badami, D.V., "Chrysotile Asbestos in Urban Air." Nature, Vol. 234, pp. 93-94, 1971.

Riebe-Imre, M; Aufderheide, M; Emura, M; Straub, M; Roller, M; Mohr, U; Pott, F; "Comparative Studies with Natural and Man-Made Mineral Fibres in Vitro and in Vivo" NATO ASI Ser. Vol.85, 1994.

Rigby, J., "EPA's Asbestos Product Ban: The Implications of Phaseout." Asbestos Issues '89, Vol. 2, No. 0, pp. 22-27, 1989.

Riis, P, Ballik, E.A., "Measurements of Scattered Light From Asbestos Particulate." SPIE, Vol. 808 Inverse Problems in Optics, pp. 105-11, 1987.[3]

Ring, S.J., "Identification of Amphibole Fibers, Including Asbestos Using Common Electron Diffraction Patterns." Electron Microscopy, 1981.

Rinksy, R.A., Melius, J.M., Hornung, R.W., Zumwalde, R.D., Waxweiler, R.J., Landrigan, P.J., Pierbaum, P.J., Murray, W.E., Jr., "Case-Control Study of Lung Cancer in Civilian Employees at the Portsmouth Naval Shipyard, Kittery, Maine." American Journal of Epidemiology, Vol. 127, No. 1, pp. 55-64, 1988.

Rita, P., Reddy, P.P., "Effect of Chrysotile Asbestos Fibers on Germ Cells of Mice." Environmental Research, Vol. 41, pp. 139-143, 1986.

Roberts, D.R. and Zumwalde, R.D., "Industrial Hygiene Summary Report of Asbestos Exposure Assessment for Brake Mechanics." NIOSH Reports No. IWS-32-4A, Industrial Hygiene Section, NTIS No. PB87-105433, 1982.[1]

Robinson, C.f., Dement, J.M., Ness, G.O., Waxweiler, R.J., "Mortality Patterns of Rock and Slag Mineral Wool Production Workers: An Epidemiological and Environmental Study." British Journal of Industrial Medicine, Vol. 39, pp. 45-53, 1982.

Robledo R; Mossman B. Cellular and Molecular Mechanisms of Asbestos-Induced Fibrosis. *Journal of Cellular Physiology*. 180:158–166. 1999.

Rodelsperger, K., Jahn, H., Bruckel, B., Manke, J., Paur, R., Woitowitz, H.J., "Asbestos Dust Exposure During Brake Repair." 1986.

Rodelsperger, K., Lojewski, H.G., Bruckel, B., Woitowitz, H.J., "Zum Fasergehalt von Pudern auf Talkumgrundlage (Fibre Proportion in Powders on Talcum Basis)." Staub-Reinhalt. Luft, Vol. 44, No. 2, pp. 62-66, 1984.

Rodelsperger, K; Teichert, U; Marfels, H; Spurny, K; Arhelger, R; Woitowitz, H-J; "Measurement of Inorganic Fibrous Particulates in Ambient Air and Indoors With the Scanning Electron Microscope" IARC Sci Publ (France) Vol.90, pp.361-366, 1989.

Rodelsperger, K., Woitowitz, H.J., Krieger, H.G., "Estimation of Exposure to Asbestos-Cement Dust on Building Sites." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Sci. Pub., Vol. 2, No. 30, pp. 845-853, 1980.[2)(5)]

Roe, F.J.C., Walters, M.A., Harington, J.S., "Tumour Initiation by Natural and Contaminating Asbestos Oils." International Journal of Cancer, Vol. 1, pp. 491-495, 1966.

Rogers, AJ; Leigh, J; Berry, G; Ferguson, DA; Mulder, HB; Ackad, M; "Relationship Between Lung Asbestos Fiber Type and Concentration and Relative Risk of Mesothelioma." For the National Institute of Occupational Health and Safety, Sydney, Australia. Cancer (United States) Vol. 67, No. 7, pp. 1912-20. Apr 1 1991.

Roggli, V., "Amphiboles and Chrysotile Asbestos Exposure." American Journal of Industrial Medicine, Vol. 14, pp. 245-246, 1988.

Roggli, V.L., Brody, A.R., "Changes in Numbers and Dimensions of Chrysotile Asbestos Fibers in Lungs of Rats Following Short-Term Exposure." Experimental Lung Research, Vol. 7, pp. 133-147, 1984.[1)]

Roggli, V.L., George, M.H., Brody, A.R., "Clearance and Dimensional Changes of Crocidolite Asbestos Fibers Isolated from Lungs of Rats Following Short-Term Exposure." Environmental Research, Vol. 42, pp. 94-105, 1987.[1)]

Roggli, VL; Oury, TD; Moffat, EJ; "Malignant Mesothelioma in Women" Anat Pathol Vol.2, pp.147-163, 1997.

Roggli, VL; Pratt, PC; Brody, AR; "Asbestos Fiber Type in Malignant Mesothelioma: An Analytical Scanning Electron Microscopic Study of 94 Cases." Am J Ind Med (UNITED STATES). Vol. 23, No. 4, pp. 605-614. April 1993.

Roggli, V.L., Pratt, P.C., Brody, A.R., "Asbestos Content of Lung Tissue in Asbestos Associated Diseases: A Study of 110 Cases." British Journal of Medicine, Vol. 43, pp. 18-28, 1986.[1)]

Rohl, A.N., Langer, A.M., Seirkoff, I.J., "Environmental Asbestos Pollution Related to Use of Quarried Serpentine Rock." Science, Vol. 196, No. 17 June, pp. 1319-1322, 1977.[2)]

Rohl, A.N., Langer, A.M., Selikoff, I.J., Tordini, A., Klimentidis, R., Bowes, D.R., Skinner, D.L., "Consumer Talcums and Powders: Mineral and Chemical Characterization." Journal of Toxicology and Environmental Health, Vol. 2, pp. 255-284, 1976.[3)]

Rom, W.N., Travis, W.D., Brody, A.R., "Cellular and Molecular Basis of the Asbestos-Related Diseases." Am Rev Respir Dis, Vol. 143, pp. 408-422, 1991.[3)]

Rood, AP; Scott, RM; Size Distributions of Chrysotile Asbestos in a Friction Products Factory As Determined by Transmission Electron Microscopy." Ann Occup Hyg. Vol. 33, No. 4, pp. 583-590. 1989.

Rood, A.P., Streeter, R.R., "Size Distributions of Airborne Superfine Man-Made Mineral Fibres Determined by Transmission Electron Microscopy." American Industrial Hygiene Association Journal, Vol. 46, No. 5, pp. 257-261, 1985.(1)

Rood, A.P., Streeter, R.R., "Size Distributions of Occupational Airborne Asbestos Textile Fibres as Determined by Transmission Electron Microscopy." Annals of Occupational Hygiene, Vol. 28, No. 3, pp. 333-339, 1984.

Roos, F; Roncey, K; Pairon, JC; Housset, B; Cattan, K; Legrand, AJ; Dargery, S; Dores, M; Fleury, J; Gral, P; Iwatsubo, Y; Lauzier, F; Leroy, R; Martinon, L; Paris, C; "Evaluation of Past Exposure to Asbestos: Value of an Asbestos Body Maker in the Sputum." Revue des Maladies Respiratoires. Vol. 16, No. 1, pp. 40. Jan, 1999.

Rosenberg, DM; "Debate in Print: Asbestos-Related Disorders: A Realistic Perspective." Chest. Vol. 111, No. 5, pp. 1424-6. May, 1997.

Rosenthal, GJ; Corsini, E; Simeonova, P; "Selected New Developments in Asbestos Immunotoxicity." Environmental Health Perspectives. Vol. 106, No. 1, pp. 159-169. 1998.

Ross, D; McDonald, JC; "Occupational and Geographical Factors in the Epidemiology of Malignant Mesothelioma" Monaldi Arch Chest Dis Vol.50, No.6, pp.458-463, December 1995.

Ross, M., "Fibers, Fibers, Fibers - The Occurrence and Dangers of Amphibole and Chrysotile Asbestos in our Environment." Sponsored by Mining Engineers and National Stone Association, April 7, 1989, Baltimore, Maryland, 1987.

Ross, M., "A Survey of Asbestos-Related Disease in Trades and Mining Occupations and in Factory and Mining Communities as a Means of Predicting Health Risks of Nonoccupational Exposure to Fibrous Minerals." Definitions for Asbestos and Health-Related Silicates, American Society of Testing and Materials, publ., pp. 51-104, 1984.

Ross, M; "The geologic occurrences and health hazards of amphibole and serpentine asbestos." in *D.R Veblen, Amphiboles and other hydrous Pyriboles – Mineralogy. Reviews in Mineralogy*, Volume 9A, Mineralogical Society of America, p.279-323 1981.

Ross, M., "The 'Asbestos' Minerals: Definitions, Descriptions, Modes of Formation, Physical and Chemical Properties, and Health Risks to the Mining Community." NBS Special Report 506, Proceedings of the Workshop on Asbestos: Definitions and Measurement Methods, NBS Gaithersburg, MD, publ., pp. 49-63, 1978.(2)

Ross, M., Kuntze, R.A., Clifton, R.B., "A Definition for Asbestos." Definitions for Asbestos and Health-Related Silicates, pp. 139-147, 1984.

Ross, M., Kuntze, R.A., Clifton, R.A., "A Definition for Asbestos." Definitions for Asbestos and Other Health-Related Silicates, Philadelphia, PA, ASTM Special Technical Publication 834, pp. 138-147, October 13, 1982.

Rossiter, CE; "World Health Organization (WHO) consensus Questionnaire on Validity of Methods for Assesment of Carcinogenicity of Man-Made Fibers." Regulatory Toxicology and Pharmacology. Vol. 20, No. 3, pp. S47-S57. 1994.

Rossiter, C.E., Coles, R.M., "HM Dockyard, Devonport: 1947 Mortality Study." Biological Effects of Mineral Fibres, Wagner, J.C. ed., IARC Scientific Publications, pp. 713-721, 1980.(1)

Roundy, R.W., "Life Support Equipment and its Contribution to Contaminant General and Removal." Proceedings of the Conference on Atmospheric Contamination in Confined Spaces, 30 March - 1 April 1965, Air Force Systems Command, publ., Vol. Dec., pp. 242-247, 1986.

Rowe, J.N., Springer, J.A., "Asbestos Lung Cancer Risks: Comparison of Animal and Human Extrapolations." Risk Analysis, Vol. 6, No. 2, pp. 171-180, 1986.(1)(2)

Rowlands, N., Gibbs, G.W., McDonald, A.D., "Asbestos Fibres in the Lungs of Chrysotile Miners and Millers -- A Preliminary Report." Annals Occupational Hygiene, Vol. 26, Nos. 1-4, pp. 411-415, 1982.(1)

Royal Commission, "Report of the Royal Commission on Matters of Health and Safety Arising form the Use of Asbestos in Ontario." Vol. 3.(3)

Rubino, G.F., Piolatto, G.W., Newhouse, M.L., Scansetti, G., Aresini, G.A., Murray, R., "Mortality of Chrysotile Asbestos Workers at the Balangero Mine, Northern Italy." British Journal of Industrial Medicine, Vol. 36, pp. 187-194, 1979.(1)(2)

Ruch, R.B., Serper, A., "Ambient Measurement of Asbestos in the Vicinity of Asbestos Sources." Jt. Conf. Sens. Environ. Pollut., 4th, pp. 867-870, 1977.(3)

Rudd, R.M., "Correlation Between Fibre Content of Lung and Disease in East London Asbestos Factory Workers." British Journal of Industrial Medicine, Vol. 46, pp. 358-360, 1989.(2)

Ruhe, R.L., "Health Hazard Evaluation Report: National Park Service, Mound City Group National Monument Visitors Service Center, NIOSH No.HETA 83-134-1327, NTIS No. PB85-101335, 1983.

Russell, J.D., "Infrared Spectroscopy of Inorganic Compounds (Chapter 18)." Laboratory Methods in Vibrational Spectroscopy. Willis, H.A., VanderMaas, J.H., Miller, R.G.J., eds., John Wiley & Sons, publ., 1987.

Rustagi, J.S., "Statistical Methods in Toxicological Research." Proceedings of the Conference on Atmospheric Contamination in Confined Spaces, 30 March - 1 April 1965, Air Force Systems Command, publ., Vol. Dec., pp. 77-85, 1986.

Rutten, AAJJL; Bermudas, E; Mangum, JB; Wong, BA; Moss, OR; Everett, JJ; " Mesothelial Cell Proliferation Induced by Intrapleural Instillation of Man-Made Fibers in Rats and Hamsters" Fundamental and Applied Toxicology Vol.23, pp.107-116, 1994.

Ruttner, J.R., Spycher, M.A., Stolkin, I., "Die Identifikation von Fastern in der Lunge." Atemw.-Lungenkrkh, Jahrgang 11, Nr. 6, pp. 233-235, 1985.

Ryan, G; Buchan, RM; Keefe, TJ; McCannon, CS; "An Evaluation of the Adhesive method for Estimating Surface Asbestos Concentrations" Appl.Occup.Environ.Hyg. Vol.12 No.4 pp.288-292
April 1997.

St. George JA; Harkema JR; Hyde DM; Plopper CG. Cell Populations and Structure/Function Relationship of Cells in the Airways. In *Toxicology of the Lung*, 2nd edition. Gardner DE; Crapo JD; McClellan RO (eds.). Raven Press, New York. 1993.

Sakellariou, K; Dimadi, M; Trigiti, R; Papastamatiou, H; Theodoracopupoulos, P; Kyparissiadis, P; Constantopoulus, SH; "The Importance of Birthplace in the Epidemiology-etiology of Malignant Pleural Mesothelioma (MPM) in Greece." European Respiratory Journal. Vol. 8, No. 19, pp. 36S. 1995.

Sakellariou, K; Malamou-Mitsi, V; Haritou, A; Koumpaniou, C; Stachouli, C; Dimoliatis, ID; Constantopoulus, SH; "Malignant Pleural Mesothelioma from Nonoccupational Asbestos Exposure in Metsovo (North-West Greece): Slow End of an Epidemic?" Eur.Respir.J. Vol.9, pp.1206-1210, 1996

Samudra, A.V., Harwood, C.F., Stockham, J.D., "Electron Microscope Measurements of Airborne Asbestos Concentrations." U.S. Environmental Protection Agency, Environmental Science Research Lab., EPA/600/2-77-178-Rev, NTIS No. PB-285 945, 1977.

Sanden A; Jarvholm B; Larsson S; Thiringer G. The Risk of Lung Cancer and Mesothelioma After Cessation of Asbestos Exposure: A Prospective Cohort Study of Shipyard Workers. *European Respiratory Journal.* 5:281–285. 1992.

Santa Clara County Transportation Agency, "Guadelupe Corridor Project Asbestos Study Serpentine Bulk Sampling Report," Vol. Feb, 1988.(2)

Saracci, R., "Ten Years of Epidemiologic Investigations on Man-Made Mineral Fibres and Health." Scandinavian Journal of Work and Environmental Health, Vol. 12, No. suppl. 1, pp. 5-11, 1986.(2)

Saracci, R., "Introduction: Epidemiology of Groups Exposed to Other Mineral Fibres." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Sci. Pub., Vol. 2, No. 30, pp. 951-964, 1980.(2)(5)

Saracci, R., "Asbestos and Lung Cancer: An Analysis of the Epidemiological Evidence on the Asbestos-Smoking Interaction." Int. Journal of Cancer, Vol. 20, pp. 323-331, 1977.

Saracci, R., Simonato, L., Acheson, E.D., Andersen, A., Bertazzi, P.A., Claude, J., Charnay, N., Esteve, J., Frentzel-Beyme, R.R., Gardner, M.J., Jensen, O.M., Maasing, R., Olsen, J.H., Teppo, L., Westerholm, P., Zocchetti, C., "Mortality and Incidence of Cancer of Workers in the Man Made Vitreous Fibres Producing Industry: An International Investigation at 13 European Plants." British Journal of Industrial Medicine, Vol. 41, pp. 425-436, 1984.

Saunders, R.A., "Atmospheric Contamination in Sealab I." Proceedings of the Conference on Atmospheric Contamination in Confined Spaces, 30 March - 1 April 1965, Air Force Systems Command, publ., Vol. Dec., pp. 296-305, 1986.

Sauni, R; Oksa, P, Jarvenpaa, R; Parker, JE; Roto, P; "Asbestos Exposure: A Potential Cause of Retrooperitoneal Fibrosis." Am J Ind Med. Vol. 33, No. 4, pp. 418-21. 1998.

Sawyer, M.F., "Asbestos in the Home - The Homeowner's Dilemma." NAC Journal, Fall, pp. 23-26 1989.(3)

Sawyer, R., "Asbestos Exposure in a Yale Building." Environmental Research, Vol. 13, pp. 146-169, 1977.

Sawyer, RN; "Asbestos Material Inventory, Control Concepts, and Risk Communication" Symposium on Health Aspects of Exposure to Asbestos in Buildings pp.155-170 December 1989.

Sawyer, R.N., Spooner, C.M., "Sprayed Asbestos-Containing Materials in Buildings: A Guidance Document." U.S. Environmental Protection Agency, Office of Air and Waste Management, Office of Air Quality Planning and Standards, EPA-450/2-78-014 (OAQPS No. 1.2-094), March 1978.(3)

Schanamann, S.R., "Air Monitoring Is Not Enough to Estimate Future Asbestos Hazards." Occupational Health and Safety, Vol. Aug., pp. 31-35, 1986.

Schenker, M.B., Garshick, E., Munoz, A., Woski, S.R., Speizer, F.E., "A Population-Based Case-Control Study of Mesothelioma Deaths Among U.S. Railroad Workers." American Review of Respiratory Disease, Vol. 134, pp. 461-465, 1986.(1)(2)

Schepers, G.W.H., "The Biological Action of Talc and Other Silicate Minerals." Proceedings of the Symposium on Talc, Washington, C.D., pp. 49-76, May 8, 1973.(3)

Schiffmann, D; Poser, I; Lohani, M; Dopp, E; Becker, H-H; Rahman, Q; "The Effect of Iron Chelators on the Ability of Asbestos Fibers to Induce Numerical and Structural Chromosomal Aberrations in Human Mesothelial Cells in Vitro." European Journal of Cell Biology. Vol. 78, No. 49, pp. 98. 1999.

Schlesinger, RB; Concato, J; Lippmann, M; "Particle Deposition During Exhalation: A Study in Replicate Casts of the Human Upper Tracheobronchial Tree." Aerosols in the Mining and Industrial Work Environment. (Chapter 14) Vol. 1, pp. 165-176. 1983.

Schlesinger, RB; "Comparative Deposition of Inhaled Aerosols in Experimental Animals and Humans: A Review" Journal of Toxicology and Environmental Health Vol.15, pp.197-214, 1985.

Schneider, J; Rodelsperger, K; Bruekel, B; Kayser, K; Woitowitz, H-J; "Environmental Exposure to Tremolite Asbestos: Pleural Mesothelioma in Two Turkish Workers in Germany." Reviewes on Environmental Health. Vol. 13, No. 4, pp. 213-220. 1998.

Schneider, J; Rodelsperger, K; Pohlabeln, H; Woitowitz, HJ; "Environmental and Indoor Air Exposure to Asbestos Fiber Dust as a Risk and Causal Factor of Diffuse Malignant Pleural mesothelioma." Zentralbl Hyg Umweltmed. Vol. 199, No. 1, pp. 1-23. Nov, 1996.

Schneider, T., Holst, E., Letter. Amer. Ind. Hyg. Assoc. J, Vol. 45, pp. B-10, 1984.

Schneider, T., Skotte, J., "Fiber Exposure Reassessed with the New Indices." Environmental Research, Vol. 51, pp. 108-116, 1990.(3)

Schneider, T., Skotte, J., Nissen, P., "Man-Made Mineral Fiber Size Fractions and Their Interrelation." Scand J Work Environ Health, Vol. 11, pp. 117-122, 1985.

Schnoor T. Unpublished Raw Data Provided to Dr. Wayne Berman by Ms. Terri Schnoor of NIOSH from Study of South Carolina Textile Workers (Dement et al. 1994). 2001.

Schreier, H; *Asbestos in the Natural environment.* Elsevier, New York, p. 159. 1989.

Schreier, H., Shelford, J.A., Nguyen, T.D., "Asbestos Fibers and Trace Metals in the Blood of Cattle Grazing in Fields Inundated by Asbestos-Rich Sediments." Environmental Research, Vol. 41, pp. 99-109, 1986.

Schwartz, D.A., "New Developments in Asbestos-Induced Pleural Disease." Chest, Vol. 99, No. 1, January 1991.(3)

Schwartz, D.A., Vaughan, T.L., Heyer, N.J., Koepsell, T.D., Lyon, J.L., Swanson, G.M., Weiss, N.S., "B Cell Neoplasms and Occupational Asbestos Exposure." American Journal of Industrial Medicine, Vol. 14, pp. 661-671, 1988.(2)

Seaton, A., Occupational Lung Diseases, 2nd Edition. W.B. Saunders, Co., publ., pp. 323-376, 1984.

Sebastien, P., "Measuring Asbestos Dust in the Environment." Asbestos - Its Health Risks, Analysis, Regulations, and Control - Proceedings APCA International Spec. Conf., Atlantic City, NJ, 11/86, APCA, publ., pp. 97-108, 1987.

Sebastien, P., "Assessing Asbestos Exposures in Buildings." Asbestos Fibre Measurements in Building Atmospheres: Proceedings, Chatfield, E.J., ed., ORF, publ., pp. 139-158, 1985.(2)(5)

Sebastien, P., Begin, R., Case, B.W., McDonald, "Inhalation of Chrysotile Dust," Accomplishments in Oncology: The Biological Effects of Chrysotile," Wagner, J.C., ed., J.P. Lippencott Co., pp. 19-29, 1986.(1)

Sebastien, P., Begin, R., Case, B.W., McDonald, J.C., "Inhalation of Chrysotile Dust." Accomplishments in Oncology.[3]

Sebastien, P; Begin, R; Masse, S; "Mass, Number and Size of Lung Fibres in the Pathogenesis of Asbestos in Sheep." J Exp Pathol. (Oxford) (ENGLAND). Vol. 71, No. 1, pp. 1-10. February, 1990.

Sebastien, P; Bignon, J; Gaudichet, A; Dufour, G; Bonnaud, G; "Les Pollutions Athmospheriques Urbaines Par L'Asbeste" Rev. fr. Mal. Resp. Supplement 2 au Tome 4, pp.51-62, 1976.

Sebastien, P., Bignon, J., Martin, M., "Indoor Airborne Asbestos Pollution: From the Ceiling and the Floor." Science, Vol. 216, pp. 1410-1413, 1982.[2]

Sebastien, P., Billon, M.A., DuFour, G., Gaudichet, A., Bonnaud, G., Bignon, J., "Levels of Asbestos Air Pollution in Some Environmental Situations." Annals New York Academy of Sciences, Vol. 330, pp. 401-415, 1979.[2]

Sebastien, P., Billion-Galland, M.A., DuFour, G., Bignon, J., "Measurement of Asbestos Air Pollution Inside Buildings Sprayed with Asbestos." U.S. Environmental Protection Agency, Report No. EPA 560/13-80-026, NTIS No. PB81-147001, 1980.

Sebastien, P., Cboutier, Y., "Aerosols: Formation and Reactivity." 2nd International Aerosols Conference in Berlin, 22-26 Sept. 1986, Permagon Press, London-New York, publ., 1986.

Sebastien, P., Fondimare, A., Bignon, J., Monchaux, G., Despordes, J., "Topographic Distribution of Asbestos Fibres in Human Lung in Relation to Occupational and Non-Occupational Exposure." Inhaled Particles IV.

Sebastien, P., Gaudichet, A., Billon-Galland, M.A., Janson, X., "Spetrometrie x Par Dispersion D'Energie en Microscopie Electronique a Transmission: Application a la Caracterisation des Fibres Minerales." J. Microsc. Spectrosc. Electron., Vol. 5, pp. 83-97, 1980.[3]

Sebastien, P., Janson, X., Bonnaud, G., Riba, G., Masse, R., Bignon, J., "Translocation of Asbestos Fibers Through Respiratory Tract and Gastrointestinal Tract According to Fiber Type and Size." Dusts and Disease: Occupational and Environmental Exposures to Selected Fibrous and Particulate Dusts.

Sebastien, P., McDonald, J.C., McDonald, A.D., Case, B., Harley, R., "Respiratory Cancer in Chrysotile Textile and Mining Industries: Exposure Inferences from Lung Analysis." British Journal of Industrial Medicine, Vol. 46, pp. 180-187, 1989.

Sebastien, P., Plourde, M., Robb, R., Ross, M., "Ambient Air Asbestos Survey in Quebec Mining Towns-Part 1, Methodological Study." Environmental Protection Service, Quebec Region, 3/AP/RQ/1E, pp. 1-41, 1984.[1][2]

Sebastien, P., Plourde, M., Robb, R., Ross, M., Nadon B., Wypruk, T. "Ambient Air Asbestos Survey in Quebec Mining Towns. Part II: Main Study." Canadian Environmental Protection Service, Environment, Canada, Report No. EPS 5/AP/RQ/2E, 1986.[1][2]

Seiden, AI, Berg, NP; Lundgren, EAL; Hillerdal, G; Wik, NG; Ohlson, CG; and Bodin, LS. "Exposure to tremolite asbestos in respiratory health in Swedish dolomite workers." *Occup Environ Med* 58(10):670-677. 2001.

Seidman, H., "Short-Term Asbestos Work Exposure and Long-Term Observation -- July 1984 Update." Department of Epidemiology, American Cancer Society, 1984.(1)

Seidman, H., Lilis, R., Selikoff, I.J., Short-Term Asbestos Exposure and Delayed Cancer Risk. Prevention and Detection of Cancer (Part I - Prevention), Niegurgs, H.E. ed., Marcel Dekker, Inc., Vol. 1, pp. 943-960.(1)

Seidman, H., Selikoff, I.J., Gelb, S.K., "Mortality Experience of Amosite Asbestos Factory Workers: Dose-Response Relationships 5 to 40 Years After Onset of Short-Term Work Exposure." American Journal of Industrial Medicine, Vol. 10, Nos. 5/6, pp. 479-514, 1986.(1

Seidman, H., Selikoff, I.J. Hammond, E.C., "Short-Term Asbestos Work Exposure and Long-Term Observation." Annals New York Academy of Sciences, Vol. 330, pp. 61-89, 1979.(1)

Selevan, SG; Dement, JM; Wagoner, JK; Froines, JR; "Mortality Patterns Among Miners and Millers of Non-Asbestiform Talc: Preliminary Report" Dusts and Disease Edited by: Richard Lemen, John M. Dement, Pathotox Publishers, Inc. Park Forest South, Illinois, pp.379-388, 1979.

Selevan, SG; Dement, JM; Wagoner, JK; and Froines, JR. "Mortality patterns among miners and millers of nonasbestiform talc: preliminary report." *J Environ Pathol Toxicol* 2(5):273-284. 1979.

Selikoff, JJ; "Letters to the Editor." Polish Journal of Occupational Medicine. Vol. 2, No. 3, pp. 323-328. 1989.

Selikoff, I.J., "Carcinogenic Potential of Silica Compounds." Biochemistry of Silicon and Related Problems, Bendz, G., Lindqvist, I., eds.

Selikoff, I., Hammond, E.C., "Multiple Risk Factors in Environmental Cancer." Persons at High Risk of Cancer, Fraumeni, J., ed., 1975.

Selikoff, I.J., Hammond, E.C., Churg, J., "Mortality Experiences of Asbestos Insulation Workers, 1943-1968." Pneumoconiosis: Proceedings of the International Conference, Johannesburg 1969, Shapiro, H.A., ed., pp. 180-186, 1970.

Selikoff IJ; Hammond EC; Seidman H. Mortality Experience of Insulation Workers in the United States and Canada 1943–1976. *Annals New York Academy of Sciences.* 330:91–116. 1979.

Selikoff, I.J., Lee, D.H.K., Asbestos and Disease, Academic Press, publ., 1978.

Selikoff, I.J., Levin, S.M., "Radiological Abnormalities and Asbestos Exposure Among Custodians of the New York City Board of Education." Report to the New York City Board of Education, Environmental Sciences Laboratory, March 30, 1990.(3)

Selikoff, I.J., Lilis, R., Nicholson, W.J., "Asbestos Disease in United States Shipyards." Annals New York Academy of Sciences, Vol. 330, pp. 295-311, 1979.[1]

Selikoff IJ; Seidman H. Asbestos-Associated Deaths among Insulation Workers in the United States and Canada, 1967–1987. *Annals of the New York Academy of Sciences.* 643:1–14. 1991.

Selikoff, I.J., Seidman, H., Hammond, E., "Mortality Effects of Cigarette Smoking Among Amosite Asbestos Factory Workers." Journal National Cancer Institute, Vol, 65, No. 3, pp. 507-513, 1980.[1]

Serra, R.K., Connor, M.A., Jr., "Assessment and Control of Chrysotile Asbestos Emissions from Unpaved Roads." U.S. Environmental Protection Agency, Office of Air, Noise, and Radiation, Office of Air Quality Planning and Standards, Emission Standards and Engineering Division, EPA-450/3-81-006, May 1981.[3]

Sesko, A.M., Mossman, B.T., "Sensitivity of Hamster Tracheal Epithelial Cells to Asbestiform Minerals Modulated by Serum and by Transforming Growth Factor β." Cancer Research, Vol. 49, pp. 2743-2749, May 15, 1989.[3]

Shackleton, S; Harrington JM; "Non-Occupational Factors in Occupational Morbidity and Mortality." Pol J Occup Med. (POLAND). Vol. 2, No. 2, pp. 105-130. 1989.

Shatos, M.A., Doherty, J.M., Marsh, J.P., Mossman, B.T., "Prevention of Asbestos-Induced Cell Death in Rat Lung Fibroblasts and Alveolar Macrophages by Scavengers of Active Oxygen Species." Environmental Research, Vol. 44, pp. 103-116, 1987.[3]

Shedd, K.B., "Fiber Dimensions of Crocidolites from Western Australia, Bolivia, and the Cape and Transvaal Provinces of South Africa." U.S. Department of the Interior, Bureau of Mines, Report of Investigations 8998.[2]

Shedd, K.B., Virta, R.L., Wylie, A.G., "Size and Shape Characterization of Fibrous Zeolites by Electron Microscopy." U.S. Department of the Interior, Bureau of Mines, Report of Investigations 8674.

Sheehan, M., "Policy Problems Associated with Waterborne Asbestos." Water Resources Bulletin, Vol. 17, No. 2, pp. 275-279, 1981.

Sheers, G., "Prevalence of Pneumoconiosis in Cornish Kaolin Workers." British Journal of Industrial Medicine, Vol. 21, pp. 218-225, 1964.

Shi, X., Dalal, N.S., Hu, X.N., Vallyathan, V., "The Chemical Properties of Silica Particle Surface in Relation to Silica-Cell Interactions." Journal of Toxicology and Environmental Health, Vol. 27, pp. 435-454, 1989.

Shiqu, Z; Yongxian, W; Fusheng, M; Hongshuen, M; Wenzhi, S; Zhenhuan, J; "Retrospective Mortality Study of Asbestos Workers in Laiyuan." International Pneumoconioses Conference. Vol. 2, pp. 1242-1244. Aug, 1988.

Shore, B., Daughaday, C.C., Spilberg, I., "Benign Asbestos Pleurisy in the Rabbit; A Model for the Study of Pathogenesis." Am. Rev. Respir. Dis., Vol. 128, pp. 481-485, 1983.

Shugar, S., "Effects of Asbestos in the Canadian Environment." National Research Council of Canada, NRCC Associate Committee on Scientific Criteria for Environmental Quality, 1980.

Shull, S., Manohar, M., Marsh, J.P., Janssen, Y.M.W., Mossman, B.T., "Role of Iron and Reactive Oxygen Species in Asbestos-Induced Lung Injury." Free Radical Mechanisms of Tissue Injury, Moslen, M.T., Smith, C.V., eds., CRC Press, Chapter 7, pp. 153-162, 1992.[3]

Siegal, J., "Review of Ambient Pressure Animal Exposure Data from Selected Navy Compounds." Proceedings of the Conference on Atmospheric Contamination in Confined Spaces, 30 March - 1 April 1965, Air Force Systems Command, publ., Vol. Dec., pp. 134-147, 1986.

Siegrist, H.G., Wylie, A.G., "Characterizing and Discriminating the Shape of Asbestos Particles." Environmental Research, Vol. 23, pp. 348-361, 1980.[2]

Siemiatycki, J., "Health Effects on the General Population (Mortality in the General Population in Asbestos Mining Areas)." Asbestos, Health and Society. Proceedings of the World Symposium on Asbestos, Canadian Asbestos Information Centers, publ., pp. 337-348, 1982.

Sieweke, M.H., Thompson, N.L., Sporn, M.B., Bissell, M.J., "Mediation of Wound-Related Rous Sarcoma Virus Tumorigenesis by TGF-β." Science, Vol. 248, pp. 1656-1660, 1990.

Simeonova, P; Flood, L; Luster, M; "Molecular Regulation of IL-6 by Asbestos." Journal of Leukocyte Biology. pp. 14. 1997.

Simonato, L; Fletcher, AC; Cherrie, J; Andersen, A; Bertazzi, PA; Charney, N; Claude, J; Dodgson, J; Esteve, J; Frentzel-Beyme, R; Gardner, MJ; Jensen, O; Olsen, J; Saracci, R; Teppo. L; Westerholm, P; Winkelmann, R; Winter, PD; Zocchetti, C; "Updating Lung Cancer Mortality Among a Cohort of Man-Made Mineral Fibre Production Workers in Seven European Countries." Cancer Letters. Vol. 30, pp. 189-200. 1986.

Simonato, L., Fletcher, A.C., Cherrie, J., Andersen, A., Bertazzi, A., Charnay, N., Claude, J., Dodgson, J., Esteve, J., Frentzel-Beyme, R., Gardner, M.J., Jensen, O.M., Olsen, J.H., Saracci, R., Teppo, L., Winkelmann, R., Westerholm, P., Winter, P.D., Zocchetti, C., "The Man-Made Mineral Fiber European Historical Cohort Study." Scand J. Work Environ Health, Vol. 12, suppl 1, pp. 34-47, 1986.[3]

Singh, B., Thouez, J.P., "Ambient Air Concentrations of Asbestos Fibers Near the Town of Asbestos, Quebec." Environmental Research, Vol. 30, No. 1, pp. 144-159, 1985.[2]

Skaug, V., Haugen, A., "Cytotoxocity of Asbestos and Calciumsilicates to Various Lung Epithelial Cell Types In Vitro." Effects of Mineral Dusts on Cells, NATO ASI Series, Vol. H30, Proceedings of the NATO Advanced Research Workshop on In Vitro Effects of Mineral Dusts on Cells held at Auberge Estrimont, Oxford, Quebec, Canada, September 20-23, 1988.[3]

Skintik, C.H., "Project Summary: Feasibility Study for an Asbestos Aerosol Monitor." U.S. Environmental Protection Agency, EPA-600/S2-80-200, May 1981.[3]

Slaga, T.J., Fischer, S.M., Nelson, K., Gleason, G.L., "Studies on the Mechanism of Skin Tumor Promotion: Evidence of Several Stages in Promotion." Proceedings from the National Academy of Sciences, Vol. 77, pp. 3659-3663, 1980.

Slovic, P; Malmfors, T; Metz, CK; Neil, N; Purchase, IF; "Evaluating Chemical Risks: Results of a Survey of the British Toxicology Society." Hum Exp Toxicol. Vol. 16, No. 6, pp. 289-304. June, 1997.

Sluis-Cremer, G.K., "Linking Chrysotile Asbestos with Mesothelioma." American Journal of Industrial Medicine, Vol. 14, pp. 631-632, 1988.

Sluis-Cremer, G.K., "The Relationship Between Asbestosis and Bronchial Cancer." Chest, Vol. 78, No. 2, pp. 380-381, 1980.

Sluis-Cremer, GK; Liddel, FDK; Logan, WPD; Bezuidenhout, BN; "The Mortality of Amphibole Miners in South Africa, 1946-80." Br J Ind Med. Vol. 49, pp. 566-575. 1992.

Small, J.A., Steel, F.B., Sheridan, P.T., "Analytical Standards for the Analysis of Chrysotile Asbestos in Ambient Environments." Analytical Chemistry, Vol. 57, pp. 204-208, 1985.

Smith, AH; "Amphibole Fibers, Chrysotile Fibers, and Pleural Mesothelioma." American Journal of Industrial Medicine. Vol. 33, No. 1, pp. 96. 1998.

Smith, AH; Sciortino, S; Goeden, H; Wright, CC; "Consideration of Background Exposures in the Management of Hazardous Waste Sites: A New Approach to Risk Assessment." Risk Anal. Vol. 16, No. 5, pp. 619-25. October, 1996.

Smith, AH; Wright, CC; "Chrysotile Asbestos is the Main Cause of Pleural Mesothelioma." Am J Ind Med. Vol. 30, pp. 252-266. 1996.

Smith, C.M., Bowder-Pidgeon, D., Abraham, J., "Inhalation Does Not Correspond with the Development of Asbestosis." American Review of Respiratory Diseases, Vol. 137, No. 4, Part 2, 1988.

Smith, C.M., Batcher, S., Catanzaro, A., Abraham, J.L., Phalan, R., "Sequence of Bronchoalveolar Lavage and Histopathologic Findings in Rats' Lungs Early in Inhalation Asbestos Exposure." Journal of Toxicology and Environmental Health, Vol. 20, No. 1-2, pp. 147-161, 1987.[1]

Smith, D.M., Ortiz, L.W., Archuleta, R.F., Johnson, N.F., "Long-Term Health Effects in Hamsters and Rats Exposed Chronically to Man-Made Vitreous Fibers." Government Reports and Announcements and Index, Issue 15, NTIS No. DE87003760, 1987.

Smith, D.M., Oritiz, L.W., Archuleta, R.F., Johnson, N.F., "Long-Term Health Effects in Hamsters and Rats Exposed Chronically to Man-Made Vitreous Fibres." Annals of Occupational Hygiene, Vol. 34, No. 4B, pp. 731-754, 1987.[1][2]

Smith, W.E., "Experimental Studies on Biological Effects of Tremolite Talc on Hamsters." Proceedings of the Symposium on Talc, Washington, C.D., pp. 43-48, May 8, 1973.[3]

Smith, W.E., Hubert, D.D., Sobel, H.J., "Dimensions of Fibers in Relation to Biological Activity." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Sci. Pub., Vol. 92, No. 30, 1980.

Smith, W.E., Hubert, D.D., Sobel, H.J., "Dimensions of Fibers in Relation to Biological Activity." World Health Organization International Agency for Research on Cancer, Wagner, J.C., ed., Vol. 1, pp. 357-360, 1980.

Smith, W.E., Hubert, D.D. Sobel, H.J., Marquet, E., "Biologic Tests of Tremolite in Hamsters." Dusts and Disease: Occupational and Environmental Exposures to Selected Fibrous and Particulate Dusts.

Snyder, J., Virta, R., Segreti, J., "Evaluation of the Phase Contrast Microscopy Method for the Detection of Fibrous and Other Elongated Mineral Particulates by Comparison with a STEM Technique." American Industrial Hygiene Association Journal, Vol. 48, No. 5, pp. 471-477, 1987.[1]

Sobel, H.J., Marquet, E., "Asbestos-Induced Mesotheliomas in Hamsters: Similarities to Human Mesotheliomas and Presence of Type C Virus Particles." Fed. Proc., Vol. 37, p. 231, 1978.

Sokas, RK; "Non-Occupational Exposure to Chrysotile Asbestos and the Risk of Lung Cancer." N Engl J Med. Vol. 339, No. 14, pp. 1000-1002. October 1998.

Somerford, D.J., Powers, S.R., "The Sizing of Fibres Using Optical Scattering."[3]

Spain, W.H., Wickwave, N.P. Ewing, W.M., Jr., "Asbestos Floor Tile Removal." Asbestos Issues "89, Vol. 2, No. 9, pp. 70-83, 1982.

Speil, S., Leineweber, J.P., "Asbestos Minerals in Modern Technology." Environmental Research, Vol. 2, pp. 166-208, 1969.

Spencer, H.C., "Gross and Histopathological Evaluation." Proceedings of the Conference on Atmospheric Contamination in Confined Spaces, 30 March - 1 April 1965, Air Force Systems Command, publ., Vol. Dec., pp. 66-73, 1986.

Spengler, JD; Ozkaynak, H; McCarthy, JF; Lee, H; "Summary of Symposium on Health Aspects of Exposure to Asbestos in Buildings" Symposium on Health Aspects of Exposure to Asbestos in Buildings pp. 1-30. December 1989

Spengler, J.D. Ozkaynak, H., McCarthy, J.F., Lee, H., "Summary of Symposium on Health Aspects of Exposure to Asbestos in Buildings - December 14-16, 1988." Harvard University, Energy and Environmental Policy Center. M-89-01. August 1989.

Spiegel, R.M., "Medical Aspects of Talc." Proceedings of the Symposium on Talc, Washington, C.D., pp. 97-102, May 8, 1973.[3]

Spurny, K.R., "On the Release of Asbestos Fibers from Weathered and Corroded Asbestos Cement Products." Environmental Research, Vol. 48, pp. 100-116, 1989.[1][2]

Spurny, K., Opiela, H., Weiss, G., "On the Milling and Ultrasonic Treatment of Fibres for Biological and Analytical Applications." Biological Effects of Mineral Fibres. Wagner, J.C., ed., IARC Scientific Publications, pp. 931-933, 1980.[1][5]

Spurny, K., Stoeber, W., "Some Aspects of Analysis of Single Fibres in Environmental and Biological Samples." Intern. J. Environ. Anal. Chem., Vol. 9, pp. 265-281, 1981.[1][2]

Spurny, K.R., Stöber, W., "Asbestos Measurement in Remote Ambient Air." Proceedings of the International Clean Air Conference - Clean Air the Continuing Challenge, Brisbane, Australia, May 15-19, 1978.[3]

Spurny, K.R., Stoeber, W., Opiela, H., Weiss, G., "On the Problem of Milling and Ultrasonic Treatment of Asbestos and Glass Fibers in Biological and Analytical Applications." American Industrial Hygiene Association Journal, Vol. 41, pp. 198-203, 1980.[1][2]

Stanton, M.F., "Some Etiological Considerations of Fibre Carcinogenesis." World Health Organization, IARC, pp. 289-294, 1973.

Stanton, M., Layard, M., Tegeris, A., Miller, E., May, M., Kent, E., "Carcinogenicity of Fibrous Glass: Pleural Response in the Rat in Relation to Fiber Dimension." Journal of the National Cancer Institute, Vol. 58, No. 3, pp. 587-597, 1977.[1]

Stanton, M., Layard, M., Tegeris, A., Miller, E., May, M., Morgan, E., "Relation of Particle Dimension to Carcinogenicity in Amphibole Asbestos and Other Fibrous Minerals." Journal of the National Cancer Institute, Vol. 67, No. 5, pp. 965-975, 1981.[1]

Stanton, M., Wrench, C. "Mechanisms of Mesothelioma Induction with Asbestos and Fibrous Glass." Journal of the National Cancer Institute, Vol. 48, pp. 797-821, 1972.[1]

Stayner, LT; Dankovic, DA; Lemen, RA; "Occupational Exposure to Chrysotile Asbestos and Cancer Risk: A Review of the Amphibole Hypothesis." Am J Public Health. Vol. 86, No. 2, pp. 176-86. Feb. 1996.

Stayner, L; Smith, R; Bailer, J; Gillbert, S; Steenland, K; Dement, J; Brown, D; Lemen, R; "Exposure-Response Analysis of Risk of Respiratory Disease Associated with Occupational Exposure to Chrysotile Asbestos." Occup and Environ Med. Vol. 54, pp. 646-652. 1997.

Steel, E.B., Small, J.A., "Accuracy of Transmission Electron Microscopy for the Analysis of Asbestos in Ambient Environments." Analytical Chemistry, Vol. 57, pp. 209-213, 1985.

Steel, E.B., Turner, S., Berger, H.W., "Operational and Technical Requirements of the Laboratory Accreditation Program for Airborne Asbestos Analysis." Airborne Asbestos Handbook, National Voluntary Lab Accreditation Program, ed., 1989.

Steen, D., Guillemin, M.P., Buffat, P., Litzistorf, G., "Determination of Asbestos Fibres in Air Transmission Electron Microscopy as a Reference Method." Atmos Environ, Vol. 17, No. 11, pp. 2285-2297, 1983.

Steenland, K; Brown, D; "Mortality Study of Gold Miners Exposed to Silica and Nonasbestiform Amphibole Minerals: An Update With 14 More Years of Follow-Up." American Journal of Ind Med. Vol. 27, pp. 217-229. 1995.

Stein, R.C., Kitajewska, J.Y, Kirkham, J.B., Tait, N., Sinha, G., Rudd, R.M., "Pleural Mesothelioma Resulting from Exposure to Amosite Asbestos in a Building." Respiratory Medicine, Vol. 83, pp. 237-239, 1989.(3)

Stering, TP; Rosenbaum, WL; Weinkam, JJ; "Commentary- Re: Asbestos Exposures in Public and Commercial Buildings" American Journal of Industrial Medicine Vol.26, pp.845-847, 1994.

Sterling, TD; Collett, CW; Rosenbaum, WL; Weinkam, JJ; "Comments on the Health Effects Institute-Asbestos Research (HEI-AR) Report: 'Asbestos in Public and Commercial Buildings,' With Emphasis on Risk Assessment Methods Used." American Journal of Ind Med. Vol. 24, No. 6, pp. 767-781. 1993.

Sterling, T.D., Weinkam, J.J., "Smoking Patterns by Occupation, Industry, Sex, and Race." Archives of Environmental Health, pp. 313-317, 1978.

Steven, F.S., Hill, R.J., "A Study of Guanidinobenzoatase During Development of Mesothelioma Induced in the Rat by Fibrous Erionite." British Journal of Cancer, Vol. 58, pp. 610-613, 1988.(2)

Stewart, I.A., "Asbestos Content in Bulk Insulation Samples: Visual Estimates and Weight Composition." U.S. Environmental Protection Agency, Exposure Evaluation Division, Office of Toxic Substances, EPA 560/5-88-011, 1988.(3)

Stewart, K., "The Resuspension of Particulate Material from Surfaces." International Symposium on Surface Contamination, Gatlinbury, TN., Fish, B.R., ed., 1964.(2)

Stille, WT; Tabershaw, IR; "The Mortality Experience of Upstate New York Talc Workers." J Occup Med. Vol. 24, No. 6, pp. 480-484. June, 1982.

Stober, W., "Dynamic Shape Factors of Non-Spherical Aerosol Particles." Assessment of Airborne Particles, pp. 249-289, 1973.

Stober W; McClellen RO; Morrow PE. Approaches to Modeling Disposition of Inhaled Particles and Fibers in the Lung. In *Toxicology of the Lung*, 2nd edition. Gardner DE; Crapo JD; McClellan RO (eds.). Raven Press, New York. 1993.

Stone, R., "No Meeting of the Minds on Asbestos." Science, Vol. 254, pp. 928-931, 1991.(3)

Strenion, J.E., Constant, P.C., Rose, D., Gabriel, B., Lentzen, D.E., "Asbestos in Buildings: A National Survey of Asbestos-Containing Friable Materials." U.S. Environmental Protection Agency, Report No. EPA 560/5-84-006, NTIS No. PB85-136653, 1984.

Strom, KA; Yu, CP; "Mathematical-Modelling of Silicon-Carbide Whisker Deposition in the Lung: Comparison Between Rats and Humans." Aerosol Science and Technology. Vol. 21, No. 3, pp. 193-209. 1994.

Suder, D.R., "Some Problems and Considerations Related to Airborne Asbestos Sampling in the Outdoor Environment." Presented at the 1988 EPA/APCA Symposium on Measurement of Toxic and Related Air Pollutants, Raleigh, North Carolina, May 1-4, 1988.

Sussman, RG; Cohen, BS; Lippmann, M; "Asbestos Fiber Deposition in a Human Tracheobronchial Cast. I. Experimental." Inhalation Toxicology. Vol. 3, pp. 145-160. 1991.

Sussman, RG; Cohen, BS; Lippmann, M; "Asbestos Fiber Deposition in a Human Trachebronchial Cast. II. Empirical Model." Inhalation Toxicology. Vol. 3, pp. 161-179. 1991.

Swirsky, Gold, L; Manley, NB; Ames, BN; "Extrapolation of Carcinogenicity Between Species: Qualitative and Quantitative Factors" Risk Analysis Vol.12, No.4, 1992.

Szeszenia-Dabrowska, N; Wilczynska, U; Szymczak, W; "Cancer Risk in Asbestos-Cement Industry Workers in Poland." Med Pr. Vol. 48, No. 5, pp. 473-83. 1997.

Tagnon, T., Blot, W.J., Stroube, R.B., Day, N.E., Morris, L.E., Peace, B.B., Fraumeni, J.F., "Mesothelioma Associated with the Shipbuilding Industry in Coastal Virginia." Cancer Research, Vol. 40, pp. 3875-3879, 1980.

Tait, N., "The Effect of Differing Concepts of the Criteria that Should be Used for the Diagnosis of Asbestos Disease." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Sci. Pub., Vol. 2, No. 30, pp. 855-859, 1980.[2][5]

Takahashi, K; Huuskonen, MS; Tossavainen, A; Higashi, T; Okubo, T; Rantanen, J; "Ecological Relationship Between Mesothelioma Incidence/Mortality and Asbestos Consumption in Ten Western Countries and Japan." Journal of Occupational Health. Vol. 41, No. 1, pp. 8-11. 1999.

Takeuchi, T; Nakajima, M; Morimoto, K; "A Human Cell System for Detecting Asbestos Cytogenotoxicity In Vitro." Mutation Research. Vol. 438, No. 1, pp. 63-70. 1999.

Talcott, J., Thurber, W., Gaensler, E., Antman, K., Li, F.P., "Mesothelioma for Manufacturers of Asbestos-Containing Cigarette Filters." The Lancet, Vol. 1, No. 8529, pp. 392, 1987.[2]

Talent, J.M., Harrison, W.O., Solomon, A., Webster, I., "A Survey of Black Mineworkers of the Cape Crocidolite Mines." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, pp. 723-730, 1980.[1][2][5]

Tanaka, S; Choe, N; Hemenway, DR; Zhu, S; Matalon, S; Kagan, E; "Asbestos Inhalation Induces Reactive Nitrogen Species and Nitrotyrosine Formation in the Lungs and Pleura of the Rat." Journal of Clinical Investigation. Vol. 102, No. 2, pp. 445-454. 1998.

Tannahill, SN; Jackson, MH; Willey, RJ; "Effect of Cowl on Air Samples for the Amosite in the Workplace and the Laboratory" Ann.Occup.Hyg. Vol.34, No.5, pp.521-527, 1990.

Taskinen, E., Ahlman, D., Wiikeri, M., "A Current Hypothesis of the Lymphatic Transport of Inspired Dust to the Parietal." Chest, Vol. 64, No. 2, pp. 193-196, 1973.

Taylor, D.G., Baron, P.A., Shulman, S.A., Carter, J.W., "Identification and Counting of Asbestos Fibres." American Industrial Hygiene Journal, Vol. 45, pp. 84-88, 1984.

Taylor, M., "Methods for the Quantitative Determination of Asbestos and Quartz in Bulk Samples Using X-Ray Diffraction." The Analyst, Vol. 103, No. 1231, pp. 1009-1020, 1978.

Teppo, L., Kojoner, E., "Mortality and Cancer Risk Among Workers Exposed to Man-Made Mineral Fibers in Finland." Scand Journal Work Environ Health, Vol. 12, No. suppl 1, pp. 61-64, 1986.[2]

Teschler, H; Konietzko, N; Schoenfeld, B; Ramin, C; Schraps, T; Costabel, U; "Distribution of Asbestos Bodies in the Human Lung as Determined by Bronchoalveolar Lavage." Am Rev Respir Dis (UNITED STATES). Vol. 147, No. 5, pp. 1211-1215. May, 1993.

Theriault, G.P., Grand-Bois, L., "Mesothelioma and Asbestos in the Province of Quebec, 1969-1972." Archives of Environmental Health, Vol. 33, pp. 15-19, 1978.

Thomas, A.A., "Chamber Equipment Design Considerations for Altitude Exposures." Proceedings of the Conference on Atmospheric Contamination in Confined Spaces, 30 March - 1 April 1965, Air Force Systems Command, publ., Vol. Dec., pp. 9-17, 1986.

Thomas, D.C., Whittemore, A.S., "Methods for Testing Interactions with Applications to Occupational Exposure, Smoking, and Lung Cancer." American Journal of Industrial Medicine, Vol. 13, pp. 131-147, 1988.[2]

Thomas, H.F., Benjamin, I.T., Elwood, P.C., Sweetnam, P.M., "Further Follow-up Study of Workers from an Asbestos Cement Factory." British Journal of Industrial Medicine, Vol. 39, pp. 273-278, 1982.

Thomas, J.A., Ballantyne, B., "Toxicological Assessment of Zeolites." Journal of the American College of Toxicology, Vol. 11, No. 3, 1992.[3]

Thomassin, J.H., Touray, J.C., Baillif, P., Jaurand, M., Magne, L., Goni, J., "Surface Interaction Between Chrysotile and Solutions (Dissolution and Adsorption): Systematic X-Ray Photoelectron Spectroscopy Studies." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Sci. Pub., Vol. 1, pp. 105-112, 1980.

Thompson, C.S., "Discussion of the Mineralogy of Industrial Talcs." Proceedings of the Symposium on Talc, Washington, C.D., pp. 22-42, May 8, 1973.[3]

Thorne, P.S., Lightfoot, E.N., Albrecht, R.M., "Physicochemical Characterization of Cryogenically Ground, Size Separated, Fibrogenic Particles." Environmental Research, Vol. 36, pp. 89-110, 1985.

Timblin, CR; Guthrie, GD; Janssen, YWM; Walsh, ES; Vacek, P; Mossman, BT; "Patterns of C-Fos and C-Jun Proto-Oncogene Expression, Apoptosis, and Proliferation in Rat Pleural Mesothelial Cells Exposed to Erionite or Asbestos Fibers." Toxicology and Applied Pharmacology. Vol. 151, No. 1, pp. 88-97. 1998.

Timblin, CR; Janssen, YMW; Goldberg, JL; Mossman, BT; "GRP78, HSP72/73, and CJUN Stress Protein Levels in Lung Epithelial Cells Exposed to Asbestos, Cadmium or H2O2." Free Radical Biology & Medicine. Vol. 24, No. 4, pp. 632-642. 1998.

Timbrell, V; "Review of the Significance of Fibre Size in Fibre-Related Lung Disease: A Centrifuge Cell for Preparing Accurate Microscope-Evaluation Specimens from Slurries Used in Inoculation Studies." Ann Occup Hyg (ENGLAND). Vol. 33, No. 4, pp. 483-505. 1989.

Timbrell, V., "Prediction of Pulmonary Hazard of New Fibrous Materials." Occupational Lung Disease. Gee, Morgan, and Brooks, eds., Raven Press, New York, pp. 178-180, 1984.(1)

Timbrell, V., "Pulmonary Deposition and Retention of South African Amphibole Fibres: Identification of Asbestos-Related Measure of Fibre Concentration." Presented at Vith International Pneumocomosis Conference, Vol. 2, pp. 998-1008, 1983.(2)

Timbrell, V., "Deposition and Retention of Fibres in the Human Lung." Annals of Occupational Hygiene, Vol 26, No. 1-4, pp. 347-369, 1982.(1)

Timbrell, V. "Measurement of Fibres in Human Lung Tissue." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, pp. 113-126, 1980.(1)(2)

Timbrell, V., "Uses of the UICC Samples." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC SCI. PUBL., pp. 127-142, 1980.(1)(2)

Timbrell, V., "Magnetic Separation of Respirable Asbestos Fibres." Filtration and Separation, Vol. 14, No. 3, pp. 241-242, 1977.(1)

Timbrell, V., "Alignment of Respirable Asbestos Fibres by Magnetic Fields." Annals of Occupational Hygiene, Vol. 18, pp. 299-311, 1975.(1)(2)

Timbrell, V., "Alignment of Respirable Asbestos Fibres by Magnetic Fields: Biophysical Applications." Presented at the Conference International Physical Chim. Mineral Amiante, pp. 1-23, 1975.

Timbrell, V., "Alignment of Amphibole Asbestos Fibres by Magnetic Fields." Microscope, Vol 20, No. 4, pp. 365-368, 1972.(1)

Timbrell, V., "Inhalation and Biological Effects of Asbestos." Assessment of Airborne Particles: Fundamental Applications, Mercer, T.T., et. al., eds., Charles C. Thomas, pp. 429-445, 1972.(1)

Timbrell, V., "An Aerosol Spectrometer and Its Applications." Assessments of Asbestos Particles. Mercer, T.T., Morrow, P.E., C.C. Thomas, Springfield, pp. 290-330, 1972.(1)(2)

Timbrell, V., "Alignment of Carbon and Other Man-Made Fibers by Magnetic Fields." J. Appl. Phys., Vol. 43, No. 11, 1972.[3]

Timbrell, V., "Characteristics of the International Union Against Cancer Standard Reference Samples of Asbestos." Pneumoconiosis: Proceedings of the International Conference, Johannesburg 1969, Shapiro, H.A., ed., pp. 28-36, 1970.

Timbrell, V., "The Inhalation of Fibres." Pneumoconiosis: Proceedings of the International Conference, Johannesburg 1969, Shapiro, H.A., ed., pp. 3-9, 1970.

Timbrell, V., "Characteristics of Respirable Asbestos Fibres." Pneumoconiosis: Proceedings of the International Conference, Johannesburg 1969, Shapiro, H.A., ed., pp. 120-125, 1970.

Timbrell, V., "Characteristics of the International Union Against Cancer Standard Reference Samples of Asbestos." Proceedings of 3rd International Pneumoconiosis Conference, Johannesburg, pp. 28-30, 1969.[2]

Timbrell, V., Griffiths, D.M., Pooley, F.D., "Possible Biological Importance of Fibre Diameters of South African Amphiboles." Nature, Vol. 232, pp. 55-56, 1971.[1]

Timbrell, V., Holmes, S., "Suggestions on Criteria for Sampling Asbestos Dust." Pneumoconiosis: Proceedings of the International Conference, Johannesburg 1969, Shapiro, H.A., ed., pp. 610-612, 1970.

Timbrell, V., Hyett, A.W., Skidmore, J.W., "A Simple Dispenser for Generating Dust Clouds From Standard Reference Samples of Asbestos." Annals of Occupational Hygiene, Vol. 11, pp. 273-281, 1968.[1]

Timbrell, V. Rendall, R.E.G., "Preparation of the UICC Standard Reference Samples of Asbestos." Powder Technology, Vol. 5, pp. 279-287, 1971.[1][2]

Toft, P., Wigle, D., Meranger, J.C., Mao, Y., "Asbestos and Drinking Water in Canada." The Science of the Total Environment, Vol. 18, pp. 77-89, 1981.

Trabelsi, N; Greffard, A; Pairon, J-C; Bignon, J; Zanetti, G; Fubini, B; Pilatte, Y; "Alterations in Protein Glycosylation in PMA-Differentiated U-937 Cells Exposed to Mineral Particles." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1153-1158. September, 1997.

Trethowan, WN; Burge, PS; Rossiter, CE; Harrington, JM; Calvert, IA; "Study of the Respiratory Health of Employees in Seven European Plants That Manufacture Ceramic Fibers." Occupational and Environmental Medicine. Vol. 52, pp. 97-104. 1995.

Trosic, Horbat, D., Stilinovic, L., Pisl, Z., "Cytotoxic, Hemolytic and Mutagenic Issue Caused by Chrysotile-Asbestos in Vitro." Effects of Mineral Dusts on Cells, NATO ASI Series, Vol. H30, Proceedings of the NATO Advanced Research Workshop on In Vitro Effects of Mineral Dusts on Cells held at Auberge Estrimont, Oxford, Quebec, Canada, September 20-23, 1988.[3]

Trudeau, M., "Methods for the Evaluation of Asbestos Dust Concentration at the Workplace." Short Course in Mineralogical Techniques of Asbestos Determination (Short Course Handbook), LeDoux, R.L., ed., Mineralogical Assoc. of Canada, publ., pp. 213-252, 1979.[5]

Tsuda, T; Morimoto, Y; Yamato, H; Nakamura, H; Hori, H; Nagata, H; Kido, M; Higashi, T; Tanaka, I; "Effects of Mineral Fibers on the Expression of Genes Whose Product May Play a Role in Fiber Pathogenesis." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1173-1178. September, 1997.

Tuckfield, R.C., Tsay, Y., Margeson, D.P., Ogden, J., Chesson, J., Bauer, K., Constant, P.C., Jr., Berman, E.J., Rose, D.P., "Draft Final Report for Task 1-6: Evaluation of Asbestos Abatement Techniques, Phase 3: Removal." Office of Toxic Substances, Exposure Evaluation Division, ed., U.S. Environmental Protection Agency, publ., Contract Nos. 68-02-4294, 68-02-3938, 1988.

Tuomi, T; "Fibrous Minerals in the Lungs of Mesothelioma Patients: Comparison Between Data on SEM, TEM, and Personal Interview Information." Am J Ind Med. Vol. 21, No. 2, pp. 155-162. 1992.

Tuomi, T; Huuskonen, MS; Tammilehto, L; Vanhala, E; Virtamo, M; "Occupational Exposure to Asbestos as Evaluated from Work Histories and Analysis of Lung Tissues from Patients with Mesothelioma." Br J Ind Med (England). Vol. 48, No. 1, pp. 48-52. Jan, 1991.

Tuomi, T., Segerberg-Konttinen, M., Tammilehto, L., Tossavainen, A., Vanhala, E., "Mineral Fiber Concentration in Lung Tissue of Mesothelioma Patients in Finland." American Journal of Industrial Medicine, Vol. 16, pp. 247-254, 1989.

Turner, J.H., Branscome, M.R., Chessin, R.L., Damle, A.S., Kamath, R.V., Northeim, C.M., Allen, C.C., "Method for Estimating Fugitive Particulate Emissions from Hazardous Waste Sites." U.S. Environmental Protection Agency, Report No. EPA 600/2-87/066, 1987.[2]

Unfried K; Kociok N; Roller M; Pott F; Dehnen W. P53 mutations in tumours induced by intraperitoneal injection of crocidolite asbestos and benzo[a]pyrene in rats. Experimental Toxicololgoy and Pathology. 49:181!187. 1997.

U.S. Environmental Protection Agency, "Quality Assurance Technical Information Bulletin: Sampling and Analysis of Airborne Asbestos." Vol. 1, No. 3, June 1991.[3]

U.S. Environmental Protection Agency, "40 CFR Part 61; National Emission Standards for Hazardous Air Pollutants; Asbestos NESHAP Revision; Final Rule." Federal Register, Part III, Vol. 55, No. 224, November 20, 1990.[3]

U.S. Environmental Protection Agency, "Environmental Hazards in Your School: A Resource Handbook." Publication #2DT-2001, October 1990.[3]

U.S. Environmental Protection Agency ; 40CFR; Part 763 "Asbestos: Manufacture, Importation, Processing, and Distribution in Commerce Prohibitions" Federal Register Vol.54, No.132, 1989.

U.S. Environmental Protection Agency, "Guidance Manual on the Estimation of Airborne Asbestos Concentrations as a Function of Distance from a Surface Contaminiation Site." Review Draft, September 1989.

U.S. Environmental Protection Agency, "EPA Study of Asbestos-Containing Materials in Public Buildings: A Report to Congress." February 1988.[3]

U.S. Environmental Protection Agency, "Engineering Design, Specifications, and On-site Technical Assistance for Covering Waste Asbestos." Vol. March 1987.

U.S. Environmental Protection Agency, "Asbestos-Containing Materials in Schools; Final Rule and Notice -Appendix A; AHERA Method 40 CFR Part 763." Federal Register, Part III: 10/30/87, Vol. 52, No. 210, pp. 41826-41903, 1987.[2]

U.S. Environmental Protection Agency, "Interim Health and Safety Guidelines for EPA Asbestos Inspectors (Revised)." Vol. May 1987.

U.S. Environmental Protection Agency, "Environmental Asbestos Roads Study: Sample Plan." Nov. 1987.[4]

U.S. Environmental Protection Agency, "Filter Blank Contamination in Asbestos Abatement Monitoring Procedures: Proceedings of a Peer Review Workshop." Workshop held April 24-25, 1986, A.W. Breidenback Environmental Research Center, Cincinnati, Ohio, U.S. Environmental Protection Agency, Office of Research and Development, Water Engineering Research Laboratory, 1986.

U.S. Environmental Protection Agency, "Airborne Asbestos Health Assessment Update." EPA-600/8-84-003F, December 1985.

U.S. Environmental Protection Agency, "Compilation of Air Pollutant Emission Factors." Joyner, W.M., ed., U.S. Department of Commerce/NTIS, Vol. Sept. 1985.

U.S. Environmental Protection Agency, "Measuring Airborne Asbestos Following an Abatement Action." Research and Development and Toxic Substances, Nov. 1985.

U.S. Environmental Protection Agency, "Test Method: Interim Method for the Determination of Asbestos in Bulk Insulation Samples." Report No., EPA-600/M4-82-020, 1982.

U.S. Environmental Protection Agency, Brandner, W., "Asbestos Exposure Assessment in Buildings Inspection Manual." EPA 907/9-82-009, U.S. Department of Commerce, publ., NTIS PB83-250266, October 1982.

U.S. Environmental Protection Agency, "Assessment and Control of Chrysotile Asbestos Emissions from Unpaved Roads." Emissions Standards and Engineering Division, ed., Report No., EPA-450/3-81-006, 1981.[2]

U.S. Environmental Protection Agency, "Proceedings of the National Workshop on Substitutes for Asbestos Held at Arlington, VA., on July 14-16, 1980." NTIS PB81-176778, November 1980.[3]

U.S. Environmental Protection Agency, Asbestos Exposure Assessment Algorithm, Appendices, Draft." Office of Toxic Substances, September 1979.

U.S. Environmental Protection Agency; *Compilation of Air Pollutant Emission Factors* Third Edition, Including Supplements 1-7. AP 42. August, 1977.

U.S. Environmental Protection Agency, 40 CFR Ch. 1 (7-1-89 Edition), Pt. 763, Subpt. E, App. A.[3]

U.S. Public Health Service, "Toxicological Profile for Asbestos - Draft." October 1989.
Unfried, K; Roller, M; Pott, F; Friemann, J; Dehnen, W; "Fiber-Specific Molecular Features of Tumors Induced in Rat Peritoneum." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1103-1108. September, 1997.

Upton, AC; Shaikh, RA; "Commentary: Asbestos Exposures in Public and Commercial Buildings" American Journal of Industrial Medicine Vol.27, pp.433-437, 1995.

Vacek, PM; "Assessing the Effect of Intensity when Exposure Varies Over Time." Stat Med. Vol. 16, No. 5, pp. 505-13. March, 1997.

Vacek, PM; McDonald, JC; "Risk Assessment Using Exposure Intensity: An Application to Vermiculite Mining." Brit J Ind Med. Vol. 48, pp. 543-547. 1991.

Valie, F; Cigula, M; "Interconvertibility of Asbestos Fibre Count Concentrations Recorded by Three Most Frequent Methods" Arh Hig Rada Toksikol (Croatia) Vol.43, No.4 , pp.359-364, 1992.

Van Den Hoof, A., "The Enigmatic Role of Agreement in Malignancies of the Lung." Anti Cancer Research, Vol. 6, pp. 199-202, 1986.[2]

Van der Marel, H.W., Beutelspacher, H., Atlas of Infrared Spectroscopy of Clay Minerals and Their Admixtures. Elsevier: Amsterdam, 1976.

Van der Meeren, A., Clement, G., Bignon, J., Barritault, D., Jaurand, M.C., "Production of Growth Factors
by Rat Pleural Mesothelial Cells In Vivo or In Vitro Transformed by Chrysotile Fibers." Effects of Mineral Dusts on Cells, NATO ASI Series, Vol. H30, Proceedings of the NATO Advanced Research Workshop on In Vitro Effects of Mineral Dusts on Cells held at Auberge Estrimont, Oxford, Quebec, Canada, September 20-23, 1988.[3]

Van Der Meeren, A; Fleury, J; Nebut, M; Monchaux, G; Janson, X; Jaurand, MC; "Mesothelioma in Rats Following Intrapleural Injection of Chrysotile and Phosphorylated Chrysotile (Chrysophosphate)" Int. J. Cancer Vol.50, pp.937-942, 1992.

Van Houten, B; Yakes, FM; Salazar, JJ; Lebovitz, RM; "Reactive Oxygen Species Induce Persistent Mitochondrial DNA Damage in Mammalian Cells." Environmental and Molecular Mutagenesis. Vol. 31, No. 29, pp. 23. 1998.

Vasilewa, L.A., Pylev, L.N., Wozniak, H., Wiecek, E., "Biological Activity of Synthetic Amphibole Asbestos." Polish Journal of Occupational Medicine and Environmental Health, Vol. 4, No. 1, pp. 033-041, 1991.[3]

Veblen, DR and Wylie, AG; "Mineralogy of amphiboles and 1:1 Layer Silicates." in *Health Effects of Mineral Dusts*, G.D. Guthrie and B.T. Mossman, eds, *Reviews in Mineralogy Volume 28*, mineralogical Society of America, p.61-138. 1993.

Vejlsted, H., Hansen, B.F., "Pleural Mesothelioma." Scand. J. Thor. Cardiovasc. Surg., Vol. 14, pp. 119-122, 1978.

Venzon D; Moolgavkar S. A Method for Computing Profile-likelihood-based Confidence Intervals. *Applied Statistics*. 37:87!94. 1988.

Verkouteren, JR; Wylie, AG; The Tremolite-Actinolite-Ferro-Actinolite Series: Systematic Relationship Among Cell Parameters, Composition, Optical Properties, and Habit, and Evidence of Discontinuities.

Verma, DK; Clark, NE; "Relationships Between Phase Contrast Microscopy and Transmission Electron Microscopy Results of Samples from Occupational Exposure to Airborne Chrysotile Asbestos." Amer Indust Hyg Assoc Jl. Vol. 56, No. 9, pp. 866-873. 1995.

Vernot, E.H., "Analytical Control of Contaminant Concentration in Exposure Chambers." Proceedings of the Conference on Atmospheric Contamination in Confined Spaces, 30 March - 1 April 1965, Air Force Systems Command, publ., Vol. Dec., pp. 27-33, 1986.

Viallat, J.R., Raybuad, F., Passarel, M., Boutin, C., "Pleural Migration of Chrysotile Fibers After Intratracheal Injection in Rats." Archives of Environmental Health, Vol. 41, No. 5, pp. 282-286, 1986.

Vincent, J.H., "On the Practical Significance of Electrostatic Lung Deposition of Isometric and Fibrous Aerosols." Journal Aerosol Science, Vol. 16, No. 6. pp. 511-519, 1985.[1][2]

Vincent JH; Johnston AM; Jones AD; Bolton RE; Addison J. Kinetics of Deposition and Clearance of Inhaled Mineral Dusts During Chronic Exposure. *British Journal of Industrial Medicine*. 42:707–715. 1985.

Vineis, P; Ciccone, G; Magnino, A; "Asbestos Exposure, Physical Activity and Colon Cancer: A Case-Control Study." Tumori. Vol. 79, No. 5, pp. 301-303. 1994.

Virta, RL; Shedd, KB; Wylie, AG; Snyder, JG; "Size and Shape Characteristics of Amphibole Asbestos (Amosite) and Amphibole Cleavage Fragments (Actinolite, Cummingtonite) Collected on Occupational Air Monitoring Filters" Aerosols in the Mining/Industrial Work Environments Vol.2, pp.633-643, 1983.

Voisin, C; Marin, I; Brochard, P; Pairon, J-C; "Environmental Airborne Tremolite Asbestos Pollution and Pleural Plaques in Afghanistan." Chest. Vol. 106, No. 3, pp. 9740976. September, 1994.

Voytek, P., Anver, M., Thorslund, T., Conley, J., Anderson, E., "Mechanisms of Asbestos Carcinogenicity." Journal of the American College of Toxicology, Vol. 9, No. 5, 1990.[3]

Vu, VT; "Regulatory Approaches to Reduce Human Health Risks Associated with Exposures to Mineral Fibers." Reviews in Mineralogy. Vol. 28, Chapter 19, pp. 545-554. 1993.

Wagner, J.C., "Biological Effects of Short Fibers." Animal Models - Pneumoconiosis I, pp. 835-839, 7th International Pneumoconioses Conference, Pittsburgh, PA, 1988.[3]

Wagner, J.C., "Mesothelioma and Mineral Fibers." Cancer, Vol. 57. pp. 1905-1911, 1986.[1]

Wagner, J.C., guest ed., Accomplishments in Oncology: The Biological Effects of Chrysotile, Vol. 1, No. 2, December 1986.

Wagner, J.C., "Opening Discussion -- Environmental and Occupational Exposure to Natural Mineral Fibres." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, Vol. 2, No. 30, pp. 995-998, 1980.[1][2][5]

Wagner, J.C., Berry, G., Cooke, T.J., Hill, R.J., Pooley, F.D., Skidmore, J.W., Animal Experiments with Tale. 4th International Symposium on Inhaled Particles, Vol. 4, No. Part 2, pp. 647-654.

Wagner, J.C., Berry, G., Hill, R., Munday, D., Skidmore, J., "Animal Experiments with MMM(V)F - Effects of Inhalation and Intrapleural Inoculation in Rats." Biological Effects of Man-made Fibres -- Proceedings of a WHO/IARC Conference, Copenhagen, Vol. 2, pp. 209-233, 1982.[1]

Wagner, J.C., Berry, G., Skidmore, J.W., "Studies of the Carcinogenic Effects of Fiber Glass of Different Diameters Following Intrapleural Inoculation in Experimental Animals." NIOSH 76-151, pp. 193-197, 1976.[1]

Wagner, J.C., Berry, G., Skidmore, J.W., Timbrell, V., "The Effects of the Inhalation of Asbestos in Rats." British Journal of Cancer, Vol. 29, pp. 252-269, 1974.[1][2]

Wagner, J.C., Berry, G., Timbrell, V., "Mesothelioma in Rats after Inoculation with Asbestos and other Materials." British Journal of Cancer, Vol. 23, pp. 173-185, 1973.[1]

Wagner, J.C., Griffiths, D.M., Munday, D.E., "Experimental Studies with Palygorskite Dusts." British Journal of Industrial Medicine, Vol. 44, No. 11, pp. 749-763, 1987.[1]

Wagner, J.C., Griffiths, D.M., Munday, D.E., "Recent Investigations in Animals and Humans." Accomplishments in Oncology, Wagner, J.C., ed., J.B. Lippincott Co., Vol. 1, No. 2, pp. 111-120, 1986.[1]

Wagner, J.C., Moncrieff, C.B., Coles, R., Griffiths, D.M., Munday, D.E., "Correlation Between Fibre Content of the Lungs and Disease in Naval Dockyard Workers." British Journal of Industrial Medicine, Vol. 43, pp. 391-395, 1986.[1]

Wagner, J.C., Newhouse, M.L., Corrin, B., Rossiter, C.E.R., Griffiths, D.M., "Correlation Between Fibre Content of the Lung and Disease in East London Asbestos Factory Workers." British Journal of Medicine, Vol. 45, pp. 305-308, 1988.[1]

Wagner, J.C., Pooley, F.D., "Mineral Fibers and Mesothelioma." Thorax, Vol. 41, pp. 161-166, 1986.[1]

Wagner, J.C., Skidmore, J.W., Hill, R.J., Griffith, D.M., "Erionite Exposure and Mesotheliomas in Rats." British Journal of Cancer, Vol, 51, pp. 727-730, 1985.[1]

Wagner, J.C., Sleggs, C.A., Marchand, P., "Diffuse Pleural Mesothelioma and Asbestos Exposure in the North Western Cape Province." British Journal of Industrial Medicine, Vol. 17, pp. 260-267, 1960.

Wagner, M.M.F., Wagner, J.C. Davies, R., Griffiths, D.M., "Silica-Induced Malignant Histiocytic Lymphoma: Incidence Linked with Strain of Rat and Type of Silica." British Journal of Cancer, Vol 41, pp. 908-917, 1980.[1]

Wahrheit, DB; Kellar, KA; Hartsky, MA; "Pulmonary Cellular Effects in Rats Following Aerosol Exposures to Ultrafine Kevlar Aramid Fibrils: Evidence for Biodegradability of Inhaled Fibrils" Toxicology and Applied Pharmacology Vol.116, pp.225-239, 1992.

Wain, S.L., Roggli, U.L., Foster, W.L., "Parietal Pleural Plaques, Asbestos Bodies, and Neoplasia: A Clinical, Pathologic, and Roentgenographic Correlation of 25 Consecutive Cases." Chest, Vol. 86, No. 5, pp. 707-713, 1984.

Walker, A.M., "Declining Relative Risks for Lung Cancer After Cessation of Asbestos Exposure." Journal of Occupational Medicine, Vol. 26, No. 2, pp. 422-426, 1984.

Walton, W.H., "The Nature, Hazards, and Assessment of Occupational Exposure to Airborne Asbestos Dust: A Review." Annals of Occupational Hygiene, Vol 25, No. 2, pp. 117-247, 1982.[1]

Warheit, DB; Hartsky, MA; "Species Comparisons of Proximal Alveolar Deposition Patterns of Inhaled Particulates." Experimental Lung Research. Vol. 16, pp. 83-99. 1990.

Warheit, DB; Snajdr, SI; Hartsky, MA; Frame, SR; "Lung Proliferative and Clearance Responses to Inhaled para-Aramid RFP in Exposed Hamsters and Rats: Comparisons with Chrysotiles Asbestos Fibers." Environmental Health Perspectives. Vol. 105, Supplement 5, pp. 1219-1222. September, 1997.

Warnock, M.L., Isenberg, W., "Asbestos Burden and the Pathology of Lung Cancer." Chest, Vol. 89, No. 1, pp. 20-26, 1986.

Warrick, J; Study: Asbestos Cancer Danger may be Overstated. Washington Post. Friday, 29 May, 1998.

Warrick, J; A Little Asbestos Won't Kill you, Study Contends. Washington Post. Chronicle. 28 May, 1998.

Watson, J.G., "Receptor Models Relating Ambient Suspended Particulate Matter to Sources." U.S. Environmental Protection Agency/ORD, Report No. EPA-600/2-81-039, U.S. Department of Commerce/NTIS, 1981.[2]

Weaver, W.T., "Warning: Small Asbestos Fibers are Hazardous To Your Health." ECON; Environmental Contractor, Vol. 4, No. 9, pp. 50-51, 1989.

Webber, J.S., Pubons, A., Fleser, J.M., "Quality-Control Testing for Asbestos Analysis with Synthetic Bulk Samples." American Ind. Hyg. Assn. J., Vol. 43, No. 6, pp. 427-431, 1982.[2]

Wehner, A.P., "Health and Environmental Effects of Aerosols: Biological Effects and Fate of Inhaled Man-Made and Natural Aerosols in Animal Models." Journal of Aerosol Science, Vol. 17, No. 3, pp. 305-315, 1986.

Wehner, A.P., Felton, D-L., eds., Biological Interaction of Inhaled Mineral Fibers and Cigarette Smoke. Proceedings of an International Symposium/Workshop held at the Battelle Seattle Conference Center, April 10-14, 1988.

Weill H. Cancer Mortality in Chrysotile Mining and Milling: Exposure-Response. Asbestos-Cement. *Annals of Occupational Hygiene*. 38(4):412. 1994.

Weill, H., "Asbestos -- A Summing Up." Biological Effects of Mineral Fibres, Wagner, J.C., ed., IARC Scientific Publications, Vol. 2, No. 30, pp. 867-874, 1980.[1][2][5]

Weill, H; Abraham, JL; Balmes, JR; Case, B; Churg, AM; Hughes, J; Schenker, M; Sebastian, P; "Health Effects of Tremolite" American Thoracic Society 1990.

Weill, H., Hughes, J., "Asbestos as a Public Health Risk: Disease and Policy." Ann. Rev. Public Health, Vol. 7, pp. 171-192, 1986.[1]

Weill, H., Hughes, J., Waggenspack, C., "Influence of Dose and Fibre Type on Respiratory Malignancy Risk in Asbestos Cement Manufacturing." American Review of Respiratory Disease, Vol, 120, pp. 345-354, 1979.[1][2]

Weill, H., Rossiter, C.E., Waggenspack, C., Jones, R.N., Ziskind, M.M., "Differences in Lung Effects Resulting from Chrysotile and Crocidolite Exposure." pp. 789-798.[1]

Weinberg, ED; "Association of Iron with Respiratory Tract Neoplasia." J Trace Elem Exp Med. Vol. 6, pp. 117-123. 1993.

Weinberg, A., Letter. Science, Vol. 224, pp. 656, 1984.

Weiss, W., "Heterogeneity in Historical Cohort Studies: A Source of Bias in Assessing Long Cancer Risk." Journal of Occupational Medicine, Vol. 25, No. 4, pp. 290-294, 1983.

Weitzman, SA; Graceffa, P; "Communication: Asbestos Catalyzes Hydroxyl and Superoxide Radical Generation from Hydrogen Peroxide." Archives of Biochemistry and Biophysics. Vol. 228, No. 1, pp. 373-376. 1984.

Weitzman, S.A., Weitberg, A.B., "Asbestos-Catalyzed Lipid Peroxidation and Its Inhibition by Desferroxamine." Biochem Journal, Vol. 225, pp. 259-262, 1985.

Wergeland, E; Andersen, A; and Baerheim, A. "Morbidity and mortality in talc exposed workers. *Am J Ind Med* 17(4):505-513. 1990.

Westerholm, P., Bolander, A.M., Mortality and Cancer-Incidence in the Man-Made Mineral Fiber Industry in Sweden." Scand. J. Work. Environ. Health, Vol. 12, No. suppl 2, pp. 78-84, 1986.(2)

Weston, Roy F., Inc., "Copper Cove Village Asbestos Site, Copperopolis, California." U.S. Environmental Protection Agency, Region IX, Emergency Response Section, Contract No. 68-01-6669, July 24, 1986.(3)

Westra, J.G., vanWoerkom, P.C.M., "Reflection Spectroscopy (Chapter 10)." Laboratory Methods in Vibrational Spectroscopy. Willis, H.A., vanderMaas, J.H., Miller, R.G.J., eds., John Wiley & Sons, Ltd., publ., pp. 229-249, 1987.

Whelan, J.A., "Asbestos in the Environment of Montgomery County, Maryland, 1981." Report. Air Pollution and Noise Control Section, ed., Department of Environmental Protection, Montgomery County, Maryland, February 1981.

Whittaker, E.J.W., "Mineralogy, Chemistry, and Chrystallography of Amphibole Asbestos." Short Course in Mineralogical Techniques of Asbestos Determination (Short Course Handbook), LeDoux, R.L., ed., Mineralogical Association of Canada, pp. 1-34, 1979.(5)

Wicks, F.J., "Mineralogy, Chemistry, and Chrystallography of Chrysotile." Short Course in Mineralogical Techniques of Asbestos Determination (Short Course Handbook), LeDoux, R.L., ed., Mineralogical Association of Canada, pp. 35-78, 1979.(5)

Wigle, D.T., "Cancer Mortality in Relation to Asbestos in Municipal Water Supplies." Archives of Environmental Health, pp. 185-190, 1977.

Wignall, B.K., Fox, A.J., "Mortality of Female Gas Mask Assemblers." British Journal of Industrial Medicine, Vol. 39, pp. 34-38, 1982.(2)

Wild, P; Leodolter, K; Refregier, M; Schmidt, H; Zidek, T; and Haidinger, G; "A cohort mortality and nested case-control study of French and Austrian talc workers." *Occup Environ Med* 59(2):98-105. 2002.

Wilks SS. Mathematical Statistics. 2nd edition. Wiley Publication, New York. 1963.

Wilson, R; Langer, Am; Nolan, RP; Bernard, J; Gee, L; Ross, M; "Asbestos in New York City Public School Buildings-Public Policy: Is There a Scientific Basis?" Regulatory Toxicology and Pharmacology Vol.20, pp.161-169, 1994.

Winer, A.A., Cossette, M., "The Effect of Aspect Ration on Fiber Counts: A Preliminary Study." Annals New York Academy of Sciences, Vol. 330, pp. 661-672, 1979.(1)

Wong, O; Musselman, RP; "An Epidemiological and toxicological Evaluation of the Carcinogenicity of Man-Made Vitreous Fiber, with a Consideration of Coexposures." Journal of Environmental Pathology Toxicology and Oncology. Vol. 13, no3, pp. 169-180. 1994.

Woodward-Clyde Consultants; "Evaluation of Mitigation Measures for the Guadalupe Corridor Asbestos Study" Prepared for Santa Clara County Transit District, March 15, 1988.

Woodward-Clyde Consultants; "Estimation of Potential Asbestos Emissions Associated with Excavation Activities for the Communication Hill Segment of the Guadalupe Corridor Project" Prepared for Santa Clara County Transit District, March 15, 1988.

Woodward-Clyde Consultants, "Soil and Airborne Asbestos Sampling, Alviso, California - Draft." City of San Jose, Department of Public Works, publ., May 1986.

World Health Organization; "Determination of Airborne Fibre Number Concentrations: A Recommended Method, by Phase-Contrast Optical Microscopy (Membrane Filter Method)." WHO, Geneva. 1997.

World Health Organization; "Reference Methods for Measuring Airborne Man-Made Mineral Fibers (MMMF), 1985.

Wozniak, H., Wiecek, E., "The Effect of Asbestos-Cement, Cement and Asbestos Dusts on the Lungs of Rats." Medycyne Pracy, Vol. xxxv, No. 4, pp. 270-272, 1984.

Wozniak, H., Wiecek, E., Bielichowska-Cybula, G., "The Fibrogenic Activity and Neurotoxicity of Heat-Treated Chrysotile." Polish Journal of Occupational Medicine and Environmental Health, Vol. 4, No. 1, pp. 021-031, 1991.(3)

Wrenn, G.C., "Testimony: Asbestos Ban and Phaseout Proposal." U.S. Environmental Protection Agency, June 29, 1986.(3)

Wright, G.W., Kuschner, M., "The Influence of Varying Lengths of Glass and Asbestos Fibres on Tissue Response in Guinea Pigs." Inhaled Particles: Part 2, Walton, W.H., McGovern, B., Pergamon Press Oxford, Vol. II, pp. 455-474, 1975.(1)

Wright, J.L., Tron, V., Filipenko, D., Danlby, R., Churg, A., "Pathophysiologic Correlations in Asbestos-Induced Airway Disease in the Guinea Pig." Environmental Lung Research, Vol. 11, pp. 307-317, 1986.

Wylie, AG; "The Habit of Asbestiform Amphiboles: Implications for the Analysis of Bulk Samples" Measurement Methods for Asbestos American Society for Testing and Materials, West Conshohocken, PA, 2000.

Wylie, AG; Testimony in Support of the Proposed Rule on Occupational Exposure to Asbestos, Tremolite, Anthophyllite and Actinolite. Informal Public Hearing. U.S. Department of Labor, Wednesday, May 9, 1990. pp.2.91-2.107 with attachments.

Wylie, A.G., "Relationship Between the Growth Habit of Asbestos and the Dimensions of Asbestos Fibers." Mining Engineering, November 1988.

Wylie, A.G., "An Analysis of the Aspect Ratio Criterion for Asbestos Fiber Counting." National Stone Association, pp. 20, 1987.

Wylie, AG; "Asbestos: What's in a Name" Report, 1987.

Wylie, A.G., "Membrane Filter Method for Estimating Asbestos Fiber Exposure." Definitions for Asbestos and Other Health-Related Silicates, Philadelphia, PA, ASTM Special Technical Publication 834, pp. 105-117, October 13, 1982.(3)

Wylie, A.G., "Fiber Length and Aspect Ratio of Some Selected Asbestos Samples." Annals New York Academy of Sciences, Vol. 330, pp. 605-610, 1979.(1)

Wylie, A.G., "Optical Properties of the Fibrous Amphiboles." Annals of the New York Academy of Sciences, Vol. 330, pp. 611-620, 1979.

Wylie, AG; Bailey, KF; Kelse, JW; Lee, RJ; "The Importance of Width in Asbestos Fiber Carcinogenicity and its Implications for Public Policy." Am Ind Hyg Assoc J. Vol. 54, No, 5, pp. 239-252. 1993.

Wylie, A.G., Schweitzer, P., "The Effects of Sample Preparation and Measuring Techniques on the Shape and Shape Characterization of Mineral Particles: The Case of Wollastonite." Environmental Research, Vol. 27, pp. 52-73, 1982.(2)

Wylie, A.G., Shedd, K.B., Taylor, M.E., "Measurement of the Thickness of Amphibole Asbestos Fibers with the SEM and TEM." Microbeam Analysis, pp. 181-187, Heinrich, K.F.J., ed., San Francisco Press, publ., 1982.(2)

Wylie, AG; Skinner, HCW; Marsh, J; Snyder, H; Garzione, C; Hodkinson, D; Winters, R; Mossman, BT; "Mineralogical Features Associated with Cytotoxic and Proliferative Effects of Fibrous Talc and Asbestos on Rodent Tracheal Epithelial and Pleural Mesothelial Cells." Toxicol and Applied Pharmacol. Vol. 147, pp. 143-150. 1997.

Wylie, A.G., Virta, R.L., Russek, E., "Characterizing and Discriminating Airborne Amphibole Cleavage Fragments and Amosite Fibers: Implications for the NIOSH Method." American Industrial Hygiene Association Journal, Vol. 46(4), pp. 197-201, 1985.(3)

Wylie, A.G., Virta, R.L., Segretti, J.M., "Characterization of Mineral Population by Index Particle: Implications for the Stanton Hypothesis." Environmental Research, Vol, 43, pp. 427-439, 1987.(1)

Xueze, L; Suqiong, L; Zhiming, W; Mianzhen, W; Chenglie, Z; "An Investigation of Crocidolite Contamination and Mesothelioma in a Rural Area of China" Biomedical and Environmental Sciences Vol.3, pp.156-165, 1990.

Yamaguchi R; Hirano T; Ootsuyama Y; Asami S; Tsurudome Y; Fukada S; Yamato H; Tsuda T; Tanaka I; Kasai H. Increased 8-Hydroxyguanine in DNA and Its Repair Activity in Hamster and Rat Lung After Intratracheal Instillation of Crocidolite Asbestos. *Japanese Journal of Cancer Research*. 90(5):505–509. 1999.

Yamate, G; "Method to determine Fiber Release Rates From Asbestos Containing Materials in an Indoor Environment" ECON: Environmental Contractor , June 1990.

Yamate G; Agarwal SC; Gibbons RD. Methodology for the Measurement of Airborne Asbestos by Electron Microscopy. U.S. EPA Report No. 68-02-3266. U.S. Environmental Protection Agency, Washington, D.C., U.S.A. 1984.

Yano, E., Shimizu, M., Urano, N., Evans, P.H., "Mutagenicity of Asbestos and Erionite in a Salmonella Tester Strain of TA102." Effects of Mineral Dusts on Cells, NATO ASI Series, Vol. H30, Proceedings of the NATO Advanced Research Workshop on In Vitro Effects of Mineral Dusts on Cells held at Auberge Estrimont, Oxford, Quebec, Canada, September 20-23, 1988.(3)

Yates, DH; Corrin, B; Stidolph, PN; Browne, K; "Malignant Mesothelioma in South East England: Clinicopathological Experience of 272 Cases" Thorax Vol.52, pp.507-512, 1997.

Yeager, H., Jr., Russo, D.A., Yanez, M., Gerardi, D., Nolan, R.P., Kagan, E., Langer, A.M., "Cytotoxicity of a Short-Fiber Chrysotile Asbestos for Human Alveolar Macrophages: Preliminary Observations." Environmental Research, Vol. 30, pp. 224-232, 1983.

Yeh H-C; Harkema JR. Gross Morphometry of Airways. In *Toxicology of the Lung*, 2nd edition. Gardner DE; Crapo JD; McClellan RO (eds.). Raven Press, New York. 1993.

Yu, CP; "Theories of Electrostatic Lung Deposition of Inhaled Aerosols." Ann Occup Hyg. Vol. 29, Iss. 2, pp. 219-227. 1985.

Yu, CP; Asgharian, B; "A Kinetic Model of Alveolar Clearance of Amosite Asbestos Fibers from the Rat Lung at High Lung Burdens." Journal of Aerosol Sci. Vol. 21, pp. 21-27. 1990.

Yu, C.P., Asgharian, B., Abraham, J.L., "Mathematical Modeling of Alveolar Clearance of Chrysotile Asbestos Fibers from the Rat Lungs." J. Aerosol Sci., Vol. 21, No. 4, pp. 587-594, 1990.(3)

Yu, CP; Asgharian, B; Pinkerton, KE; "Intrapulmonary Deposition and Retention Modeling of Chrysotile Asbestos Fibers in Rats." J Aerosol Sci. Vol. 22, pp. 757-763. 1991.

Yu, IJ; Moon, YH; Sakai, K; Hisanaga, N; Park, JD; Takeuchi, Y; "Asbestos and Non-Asbestos Fiber Content in Lungs of Korean Subjects with no Known Occupational Asbestos Exposure History." Environmental International. Vol. 24, No. 3, pp. 293-300. 1998.

Yu, CP; Yoon, KJ; Investigator's Report: Retention Modeling of Diesel Exhaust Particles in Rats and Humans. 1991.

Yu, CP; Zhang, L; Becquemin, MH; Roy, M; Bouchikhi, A; "Algebraic Modeling of Total and Regional Deposition of Inhaled Particles in the Human Lung of Various Ages." Journal of Aerosol Science. Vol. 23, No. 1, pp. 73-79. 1992.

Yu, CP; Zhang, L; Oberdorster, G; Mast, RW; Glass, LR; Utell, MJ; "Clearance of Refractory Ceramic Fibers (RCF) from the Rat Lung: Development of a Model." Environmental Research. Vol. 65, No. 2, pp. 243-253. 1995b.

Yu, CP; Zhang, L; Oberdoster, G; Mast, RW; Maxim, D; Utell MJ; "Deposition of Refractory Ceramic Fibers (RCF) in the Human Respiratory-Tract and Comparison with Rodent Studies." Aerosol Science and Technology. Vol. 23, No. 3, pp. 291-300. 1995a.

Yu, CP; Zhang, L; Oberdorster, G; Mast, RW; Glass, LR; Utell, MJ; "Deposition Modelling of Refractory Ceramic Fibers in the Rat Lung." Journal of Aerosol Science. Vol. 25, No. 2, pp. 407-417. 1994.

Yu, IJ; Moon, YH; Sakai, K; Hisanaga, N; Park, JD; Takeuchi, Y; "Asbestos and Non-Asbestos Fiber Content in Lungs of Korean Subjects with no Known Occupational Asbestos Exposure History." Environmental International. Vol. 24, No. 3, pp. 293-300. 1998.

Zalma, R; Bonneau, L; Guignard, J; Pezerat, H; Jaurand, M-C; "Formation of Oxy Radicals by Oxygen Reduction Arising from the Surface Activity of Asbestos." Can J Chem. Vol. 65, pp. 2338-2341. 1987.

Zalma, R., Guignard, J., Copin, E., Pezzrat, H., "Studies on Surface Properties of Asbestos." Environmental Research, Vol. 41, pp. 296-301, 1986.

Zanella CL; Timblin CR; Cummins A; Jung M; Goldberg J; Raabe R; Tritton TR; Mossman BT. Asbestos-Induced Phosphorylation of Epidermal Growth Factor Receptor is Linked to c-fos and apoptosis. *American Journal of Physiology*. 277(4:Part 1):L684–L693. 1999.

Zappa, M; Paci, E; Seniori CA; Kriebel, D; "Lung Cancer Among Textile Workers in the Prato Area of Italy." Scand J Work Environ Health (Finland). Vol. 19, No. 1, pp. 16-20. Feb, 1993.

Zedja, J; Marek, K; Szymczykiewicz, K; Kujawska, A; Romaniec, B; "Validation of Clinical Criteria for Diagnosing Asbestos in Asbestos-Cement Workers." Pol J Occup Med (POLAND). Vol. 2, No. 1, pp. 62-75. 1989.

Zhang, Y; Lee, TC; Guillemin, B; Yu, M-C; Rom, WN; "Enhance IL-1Beta and Tumor Necrosis Factor-Alpha Release and Messenger RNA Expression in Macrophages from Idiopathic Pulmonary Fibrosis or After Asbestos Exposure." J Immunol (United States). Vol. 150, No. 9, pp. 4188-4196. 1 May, 1993.

Zhong, X., Armstrong, B.K., Blundson, B.J., Rogers, J.M., Musk, A.W., Shilkin, K.B., "Trends in Mortality from Malignant Mesothelioma of the Pleura, and Production and Use of Asbestos in Australia." The Medical Journal of Australia, Vol. 143, pp. 185-187, 1989.

Zhu, S; Manuel, M; Tanaka, S; Choe, N; Kagan, E; Matalon, S; "Contribution of Reactive Oxygen and Nitrogen Species to Particulate-Induced Lung Injury." Environmental Health Perspectives. Vol. 106, No. 5, pp. 1157-1163. 1998.

Zitting, AJ; Karjalainen, A; Impivaara, O; Tossavainen, A; Kuusela, T; Maki, J; Huuskonen, MS; "Radiographic Small Lung Opacities and Pleural Abnormalities as a Consequence of Asbestos Exposure in an Adult Population." Scandinavian Journal of Work Environment & Health. Vol. 21, No. 6, pp. 470-477. 1995.

Zoitus BK; De Meringl A; Rouyer E; Thelohan S; Bauer J; Law B; Boymel PM; Olson JR; Christensen VR; Guldberg M; Koenig AR; Perander M. *In Vitro* Measurement of Fiber Dissolution Rate Relevant to Biopersistence at Neutral pH: An Interlaboratory Round Robin. *Inhalation Toxicology*. 9:525–540. 1997.

Zumwalde, R.D., Dement, J.M., "Review and Evaluation of Analytical Methods for Environmental Studies of Fibrous Particulate Exposures." NIOSH, U.S. Department of Health, Education, and Welfare, PB-274750, 1977.

Zussman, J; "The Mineralogy of Manchester" Chapter 2 in ? pp.45-65, no date

ATTACHMENT 3.
REFERENCES FOR ASBESTOS-RELATED EPIDEMIOLOGICAL STUDIES AND A FEW RELATED STUDIES

D. Wayne Berman, Ph.D.
Aeolus, Inc.
April 26, 2007

Acheson, E., Gardner, M., Pippard, E., Grime, L., "Mortality of Two Groups of Women Who Manufactured Gas Masks from Chrysotile and Crocidolite Asbestos: A 40-Year Follow-up." British Journal of Industrial Medicine, Vol. 39, pp. 344-348, 1982.[1][2]

Acheson, E.D., Gardner, M.J., Winter, P.D., Bennett, C., "Cancer in a Factory Using Amosite Asbestos." International Journal of Epidemiology, Vol. 13, No. 1, pp. 3-10, 1984.[1][2]

Albin M; Jakobsson K; Attewell R; Johansson L; Welinder H. Mortality and Cancer Morbidity in Cohorts of Asbestos Cement Workers and Referents. *British Journal of Industrial Medicine.* 79(9):602–610. September. 1990.

Amandus HE; Wheeler R; Jankovic J; Tucker J. The Morbidity and Mortality of Vermiculite Miners and Millers Exposed to Tremolite-Actinolite: Part I. Exposure Estimates. *American Journal of Industrial Medicine.* 11:1–14. 1987.

Amandus HE; Wheeler R. The Morbidity and Mortality of Vermiculite Miners and Millers Exposed to Tremolite-Actinolite: Part II. Mortality. *American Journal of Industrial Medicine* 11:15–26. 1987.

Armstrong BK; de Klerk NH; Musk AW; Hobbs MST. Mortality in Miners and Millers of Crocidolite in Western Australia. *British Journal of Industrial Medicine.* 45:5–13. 1988.

Berman DW; Crump KS. Final draft: technical support document for a protocol to assess asbestos-related risk. EPA Report 9345.4-06. Office of Solid Waste and Emergency Response, U.S. Environmental Protection Agency. 2003.

Berry G; Newhouse ML. Mortality of Workers Manufacturing Friction Materials Using Asbestos. *British Journal of Industrial Medicine.* 40:1–7. 1983.

CHAP (Chronic Hazard Advisory Panel on Asbestos). Report to the U.S. Consumer Product Safety Commission. July. 1983.

Clark, TC; Harrington, VA; Asta, J; Morgan, WK; and Sargent, EN. "Respiratory effects of exposure to dust in taconite mining and processing. *Am Rev Repir Dis* 121(6): 959-966. 1980.

Coggiola, M; Bosio, D; Pira, E; Piolatto, PG, La Vecchia, C; Negri, E; Michelazzi, M; and Bacaloni, A. *Am J Ind Med* 44(1): 63-69. 2003.

Cooper, WC; Wong, O; Trent, LS; and Harris, F. "An updated study of taconite miners and millers exposed to silica and non-asbestiform amphiboles." *J Occup Med* 34(12):1173-1180.

1992.

Cox DR; Hinkley DV. Theoretical Statistics. Chapman and Hall, London. 1974.

Crump KS. Benchmark Analysis. Encyclopedia of Environmetrics. John Wiley & Sons. West Sussex, U.K. pp. 163-170. 2002.

de Klerk NH; Musk AW; Armstrong BK; Hobbs MST. Diseases in Miners and Millers of Crocidolite from Wittenoom, Western Australia: A Further Follow-up to December 1986. *Annals of Occupational Hygiene*. 38(Suppl 1):647!655. 1994.

Dement JM; Harris RL; Symons MJ; Shy CM. Estimates of Dose-Response for Respiratory Cancer Among Chrysotile Asbestos Textile Workers. *Annals Occupational Hygiene*. 26(1-4):869–887. 1982.

Dement JM. Estimation of Dose and Evaluation of Dose-Response in a Retrospective Cohort Mortality Study of Chrysotile Asbestos Textile Workers. Ph.D. Thesis. The University of North Carolina at Chapel Hill. 1980.

Dement JM; Brown DP. Cohort Mortality and Case-Control Studies of White Male Chrysotile Asbestos Textile Workers. *Journal of Clean Technology, Environmental Toxicology, and Occupational Medicine*. 7:1052–1062. 1998.

Dement JM; Brown DP; Okun A. Follow-up Study of Chrysotile Asbestos Textile Workers: Cohort Mortality and Case-Control Analysis. *American Journal of Industrial Medicine*. 26:431–447. 1994.

Dement JM; Harris RL; Symons MJ; Shy CM. Exposures and Mortality Among Chrysotile Workers. Part I: Exposure Estimates. *American Journal of Industrial Medicine*. 4:399–419. 1983a.

Dement JM; Harris RL; Symons MJ; Shy CM. Exposures and Mortality Among Chrysotile Workers. Part II: Mortality. *American Journal of Industrial Medicine*. 4:421–433. 1983b.

Enterline PE; Harley J; Henderson V. Asbestos and Cancer -- A Cohort Followed to Death. Graduate School of Public Health, University of Pittsburgh. 1986.

Finkelstein MM. Mortality Among Long-Term Employees of an Ontario Asbestos-Cement Factory. *British Journal of Industrial Medicine*. 40:138–144. 1983.

Finkelstein MM. Mortality Among Employees of an Ontario Asbestos-Cement Factory. *American Review of Respiratory Disease*. 129:754!761. 1984.

Hammond EC; Selikoff IJ; Seidman H. Asbestos Exposure, Cigarette Smoking and Death Rates. *Annals New York Academy of Sciences*. 330:473–490. 1979.

Henderson VL; Enterline PE. Asbestos Exposure: Factors Associated with Excess Cancer and Respiratory Disease Mortality. *Annals New York Academy of Sciences*. 330:117–126. 1979.

Higgins, IT; Glassman, JH; OH, MS; and Cornell, RG. "Mortality of Reserve Mining Company employees in relation to taconite dust exposure. *Am J Epidemiol* 118(5):710-719. 1983.

Hodgson, J and Darnton, A; "The Quantitative Risk of Mesothelioma and Lung Cancer in Relation to Asbestos Exposure." *Annals of Occupational Hygiene*. 44(8):565–601. 2000.

Honda, Y; Beall, C; Belzell, E; Oestenstad, K; Brill, I; and Matthews, R. "Mortality among workers at a talc mining and milling facility. *Ann Occup Hyg* 46(7): 575-585. 2002.

Hughes JM; Weill H. Asbestos Exposure: Quantitative Assessment of Risk. *American Review of Respiratory Disease*. 133:5–13. 1986.

Hughes JM; Weill H; Hammad YY. Mortality of Workers Employed at Two Asbestos Cement Plants. *British Journal of Industrial Medicine*. 44:161!174. 1987.

Gustavsson, P; Nyberg, F; Pershagen, G; Scheele, P; Jakobsson, R; and Plato, N. Low-Dose Exposure to Asbestos in Lung Cancer: Dose-Response Relations and Interaction with Smoking in a Population-based Case-Referent Study in Stockholm, Sweden. Am J of Epi 155(11):1016-1022. 2002.

Karjalainen, A; Antilla, S; Vanhala, E; Vainio, H; "Asbestos Exposure and the Risk of Lung Cancer in a General Urban Population" Scand. J. Work. Environ. Health Vol.20, pp.243-50, 1994.

Lacquet LM; VanderLinden L; Lepoutre J. Roentgenographic Lung Changes, Asbestosis and Mortality in a Belgian Asbestos-Cement Factory. In *Biological Effects of Mineral Fibres*, Wagner JC (ed.). IARC Sci Publ. pp. 783–793. 1980.

Lemon RA; Dement JM; Wagoner JK. Epidemiology of asbestos-related diseases. *Environmental Health Perspective*. 34:1!11. 1980.

Levin JL; McLarty JW; Hurst GA; Smith AN; Frank AL. Tyler Asbestos Workers: Mortality Experience in a Cohort Exposed to Amosite. *Occupational and Environmental Medicine*. 55:155–160. 1998.

Liddell FDK. Unpublished raw mesothelioma data provided to Dr. Wayne Berman by Dr. FDK Liddell from multiple studies of the 1891–1920 Birth Cohort of Quebec Chrysotile Miners and Millers most recently described in Liddell et al. 1997. 2001.

Liddell FDK; McDonald AD; McDonald JC. The 1891–1920 Birth Cohort of Quebec Chrysotile Miners and Millers: Development From 1904 and Mortality to 1992. *Annals of Occupational Hygiene*. 41:13–36. 1997.

McDonald AD; Fry JS; Wooley AJ; McDonald JC. Dust Exposure and Mortality in an American Chrysotile Textile Plant. *British Journal of Industrial Medicine*. 39:361–367. 1983a.

McDonald AD; Fry JS; Woolley AJ; McDonald JC. Dust Exposure and Mortality in an American Factory Using Chrysotile, Amosite, and Crocidolite in Mainly Textile Manufacture. *British Journal of Industrial Medicine*. 40:368–374. 1983b.
McDonald AD; Fry JS; Woolley AJ; McDonald JC. Dust Exposure and Mortality in an American Chrysotile Asbestos Friction Products Plant. *British Journal of Industrial Medicine*. 41:151–157. 1984.

McDonald JC; McDonald AD; Armstrong B; Sebastien P. Cohort Study of Mortality of Vermiculite Miners Exposed to Tremolite. *British Journal of Industrial Medicine*. 43:436–444. 1986.

McDonald, JC; McDonald, AD; Sebastien, P; and Moy, K. "Health of Vermiculite miners exposed to trace amounts of fibrous tremolite." *Bri J Ind Med* 45(9):630-634. 1988.

McDonald JC; Liddell FDK; Dufresne A; McDonald AD. The 1891–1920 Birth Cohort of Quebec Chrysotile Miners and Millers: Mortality 1976–1988. *British Journal of Industrial Medicine*. 50:1073–1081. 1993.

Nicholson WJ; Selikoff IJ; Seidman H; Lilis R; Formby P. Long-Term Mortality Experience of Chrysotile Miners and Millers in Thetford Mines, Quebec. *Annals New York Academy of Sciences*. 330:11–21. 1979.

Nicholson WJ. Part III. Recent Approaches to the Control of Carcinogenic Exposures. Case Study 1: Asbestos - The TLV Approach. *Annals New York Academy of Science*. 271:152–169. 1976.

Ontario Royal Commission. Report of the Royal Commission on Matters of Health and Safety Arising form the Use of Asbestos in Ontario. Volume 3. 1984.

Peto J. Lung Cancer Mortality in Relation to Measured Dust Levels in an Asbestos Textile Factory. In *Biological Effects of Mineral Fibres*. Wagner JC (ed.). IARC Scientific Publications. pp. 829–836. 1980a.

Peto J. The Incidence of Pleural Mesothelioma in Chrysotile Asbestos Textile Workers. In *Biological Effects of Mineral Fibres*. Wagner JC (ed.). IARC Scientific Publications. pp. 703–711. 1980b.

Peto J; Doll R; Howard SV; Kinlen LJ; Lewinsohn, HC. A Mortality Study Among Workers in an English Asbestos Factory. *British Journal of Industrial Medicine*. 34:169–173. 1977.

Peto J; Seidman H; Selikoff IJ. Mesothelioma Mortality in Asbestos Workers: Implications for Models of Carcinogenesis and Risk Assessment. *British Journal of Cancer*. 45:124–135. 1982.

Peto J; Doll R; Hermon C; Binns W; Clayton R; Goffe T. Relationship of Mortality to Measures of Environmental Asbestos Pollution in an Asbestos Textile Factory. *Annals of Occupational Hygiene*. 29(3):305–355. 1985.

Piolatto G; Negri E; LaVecchia C; Pira E; Decarli A; Peto J. An Update of Cancer Mortality

Among Chrysotile Asbestos Miners in Balangero, Northern Italy. *British Journal of Industrial Medicine.* 47:810–814. 1990.

Rubino GF; Piolatto GW; Newhouse ML; Scansetti G; Aresini GA; Murray R. Mortality of Chrysotile Asbestos Workers at the Balangero Mine, Northern Italy. *British Journal of Industrial Medicine.* 36:187–194. 1979.

Seiden, AI, Berg, NP; Lundgren, EAL; Hillerdal, G; Wik, NG; Ohlson, CG; and Bodin, LS. "Exposure to tremolite asbestos in respiratory health in Swedish dolomite workers." *Occup Environ Med* 58(10):670-677. 2001.

Seidman H; Selikoff IJ; Gelb SK. Mortality Experience of Amosite Asbestos Factory Workers: Dose-Response Relationships 5 to 40 Years After Onset of Short-Term Work Exposure. *American Journal of Industrial Medicine.* 10(5/6):479–514. 1986.

Seidman H. Short-Term Asbestos Work Exposure and Long-Term Observation -- July 1984 Update. Department of Epidemiology, American Cancer Society. 1984.

Seidman H; Selikoff IJ; Hammond EC. Short-Term Asbestos Work Exposure and Long-Term Observation. *Annals New York Academy of Sciences.* 330:61–89. 1979.

Selevan, SG; Dement, JM; Wagoner, JK; and Froines, JR. "Mortality patterns among miners and millers of nonasbestiform talc: preliminary report." *J Environ Pathol Toxicol* 2(5):273-284. 1979.

Selikoff IJ; Hammond EC; Seidman H. Mortality Experience of Insulation Workers in the United States and Canada 1943–1976. *Annals New York Academy of Sciences.* 330:91–116. 1979.

Selikoff IJ; Seidman H. Asbestos-Associated Deaths among Insulation Workers in the United States and Canada, 1967–1987. *Annals of the New York Academy of Sciences.* 643:1–14. 1991.

Sluis-Cremer, GK; Liddel, FDK; Logan, WPD; Bezuidenhout, BN; "The Mortality of Amphibole Miners in South Africa, 1946-80." Br J Ind Med. Vol. 49, pp. 566-575. 1992.

Steenland, K and Brown, D. "Mortality study of gold miners exposed to silica and non-asbestiform amphibole minerals: An update with 14 more years of follow-up. *Am J Ind Med* 27(2):217-229. 1995.

U.S. EPA (U.S. Environmental Protection Agency). Airborne Asbestos Health Assessment Update. Report 600/8-84-003F, U.S. Environmental Protection Agency. 1986.

Venzon D; Moolgavkar S. A Method for Computing Profile-likelihood-based Confidence Intervals. *Applied Statistics.* 37:87!94. 1988.

Weill H; Hughes J; Waggenspack C. Influence of Dose and Fibre Type on Respiratory Malignancy Risk in Asbestos Cement Manufacturing. *American Review of Respiratory Disease.* 120:345–354. 1979.

Weill H. 1994. Cancer Mortality in Chrysotile Mining and Milling: Exposure-Response. Asbestos-Cement. *Annals of Occupational Hygiene*. 38(4):412. 1994.

Wergeland, E; Andersen, A; and Baerheim, A. "Morbidity and mortality in talc exposed workers. *Am J Ind Med* 17(4):505-513. 1990.

Wild, P; Leodolter, K; Refregier, M; Schmidt, H; Zidek, T; and Haidinger, G; "A cohort mortality and nested case-control study of French and Austrian talc workers." *Occup Environ Med* 59(2):98-105. 2002.

Yano, E. Wang Z, Wang X, Et al. Cancer mortality among workers exposed to amphibole-free chrysotile asbestos. *Am J Epdemiol* 154(6):538-43. 2001.