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More TECHNICAL BRIEFS

cost of frequent "face-lifting" on blackened buildings higher in cities having much pherie pollution. Also economic a different type are the damage made to individuals or communities injury to buildings.

That severe air pollution can acute effects on the health has illustrated in several instances. Instances include the Meuse disaster in Belgium in 1930 when thirty people died and hundreds made ill; the Donora incident in October 1948, where twenty persons and 5,910 (42.7% of the population) were reported to have been sick; the Pozan Rica episode where two persons died and 320 were hospitalized; and the occasional eye, nose, throat irritation in the Los Angeles. The chronic effects of common usual air pollution (excluding air disease of biological etiology and plant origin) on the health of persons is a moot question indeed.

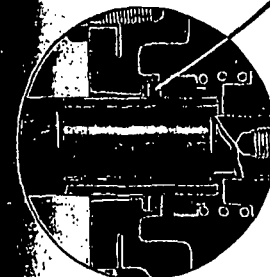
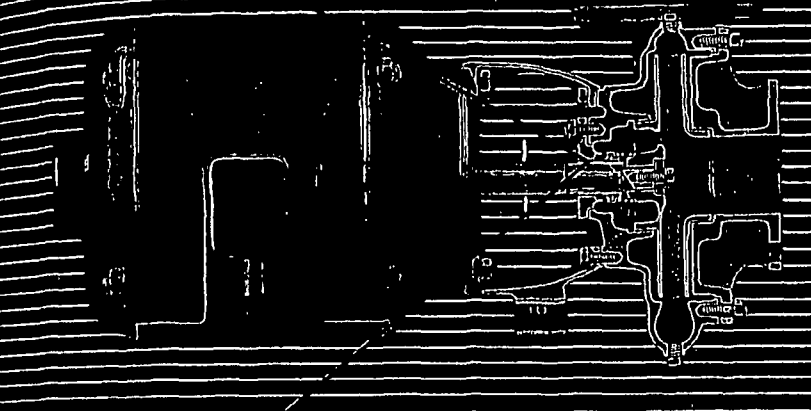
The effect of excessive atmospheric pollutants, especially sulfur dioxide, vegetation is now well recognized. Standing examples of vegetation destruction by sulfur dioxide are the surrounding the smelters at Ducktown, Tenn., Anaconda, Mont., Salt Lake City, Utah, and Trail, British Columbia. The problem at Ducktown was settled in the U. S. Supreme Court and the Trail, B. C. before an International Joint Boundary Commission and before an International Tribunal which time damages amounting to \$1,000 were awarded.

The effect of atmospheric pollution on animals appears to be of two types: (1) the direct effect of the pollution on the animals, and (2) the indirect effect on certain animals from eating contaminated vegetation. Of these, the latter type seems to be of greater importance, evidence indicating a direct effect being very meager at present.

In closing the author stresses some well-known facts, namely, that air pollution control is a matter of engineering education and equipment. Of these, the latter probably is of the greatest importance. If the people in an enlightened country such as this given the unvarnished facts, they recognize (1) that a certain amount of air pollution is the price that must be paid for those many conveniences which are the product of an industrial civilization and (2) that this condition requires long time to correct—it cannot be done overnight. ASME Paper No. 59-43

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