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by

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Shelf List of Reports on Air Pollution and Health Filed
in the Girshick Library, Stanford University

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Bonnie Hole

The SIMS collection is located on the bottom 4 shelves next to the file cabinets in Girshick Library. Items in the collection are arranged on the shelves by the topics included in this outline. Larger items are shelved individually. Reprints and smaller items are in the boxes indicated. Please return materials to their proper location after you have used them.

Shelf I

Box 1 BAAPCD Literature

List of BAPCD publications (by number).

List of subjects in BAPCD library.

List of corporate authors and geographic headings in BAPCD library.

SIMS shelf list.

Box 2 Data Banks and Tapes on Air Quality Data California

CARB air pollution data tape.

CARB air quality data system, procedures, reports and tape files.

BAAPCD data - card and tape image record format.

Air Quality Data and Sources of Data

Box 3 California air quality data 4-6/73; 10-2/73; 1974; 1-3/75.

California air quality data supplement 6/74; 6/75.

Ten year summary of California air quality data 63-72.

Box 4 BAAPCD contaminant and weather summary 6, 7, 9-12/74;
 1-5, 10, 11/75; 6-76.
 BAAPCD source inventory of air pollution emissions 1974.

Box 5 Los Angeles Aerometric Data
 Carbon monoxide 1956-72.
 Oxides of nitrogen 1957-72.
 Ozone 1955-72.
 Sulfur dioxide, particulate matter and sulfate 1955-72.

Box 6 California Air Resources Board Publications
 Air quality in Tahoe
 Sacramento Valley
 San Diego.
 Climate of Great Basin Valleys
 N. Central Coast
 N. Coast and Lake County
 N.E. Plateau
 Sacramento Valley
 San Diego
 San Joaquin
 S. Central Coast
 S.E. Desert.
 Hydrocarbon composition of L.A. gasolines 1974.
 Atmospheric hydrocarbon concentrations 6/72-9/74.
 Air pollution in California, Annual Report 1974.
 California air basin maps with historic locations of
 sulfur dioxide and ambient particulate sulfate air
 monitoring stations.

Box 7 Air Quality Control Laws and Testimony
 BAAPCD Regulations 1, 2, 3, 5, 8.
 California laws affecting the BAAPCD.
 Answering environmental testimony of Carl M. Shy
 before Fed. Dow. Comm.
 County, Bay Area, and regional air pollution control
 law, CARB.
 Mulford-Carrell Act, Part 1, CARB.

Shelf II

Air Quality Control, Standards and Monitoring

Air quality and autoemission control VI-3, US Senate.

Air quality and stationary source emission control, US Senate.

Development of air quality standards. Atkinson & Gaines.

Environmental research outlook. Rep. to congress.

First interagency symposium on air monitoring quality assurance, CARB.

Restoring the quality of our environment.

Urban climates, WMO.

Proceedings of the symposium on statistical aspects of air quality data.

Symposium - statistics and the environment, J. Wash. Academy of Science.

Pollution control. 4th Rep. Roy Comm. on Environmental Pollution.

Conference on forecasting air pollution held in Berkeley.

Second interagency symposium on air monitoring quality assurance, CARB.

For your information. University of California statewide air pollution research center.

Box 8 Reprints and Smaller Items

Use of statistical techniques to assess progress.
Severs, Atmospheric Environment.

Odor regulation by emission limitation. Feldstein et al.,
Ann. N.Y. Academy of Science.

Enforcement of environmental standards and the central
limit theorem. Watson & Downing, JASA.

Second interagency symposium on air monitoring quality
assurance. Participants list.

Air quality and meteorology. Summary.

Random sampling as an inexpensive means for measuring
average annual air pollutant concentrations. Ott & Mage,
EPA.

Air quality statistics. Thuillier BAAPCD.

The environmental monitoring problem. Pimentel,
Lawrence Livermore.

Memorandum, Dole, ARB.

California ARB Bulletin 1, 2, 9-11/75.

Air monitoring and its application. Thuillier BAAPCD.

Executive summary. Multistate atmospheric power production.

Sampling the environs for contamination. Eberhardt &
Gilbert.

On the control of air quality. Goldstein & Ford,
Science and Public Affairs.

Particulate mass as a predictor of numbers of respirable
particulates. Severs & Chen, Chemosphere.

Box 9 Air Pollution Indices

Air pollution indices. Council on environmental quality
and EPA.

A quantitative evaluation of the daily air pollution index.
Ott & Hunt, EPA.

A critical review of air pollution index systems. Ott
& Thum, J.APCA.

Studies of Particular Pollutants

Box 10 Photochemical Smog

Photochemical smog. Pitts, ISAP 1972.

Analysis of L.A. photochemical smog data, Tiao et al., Univ. Wisc. Tech. Rep.

Some empirical models for the L.A. photochemical smog data, Tiao et al., Univ. Wisc. Tech. Rep.

Mechanisms of photochemical air pollution, Pitts & Finlayson, Angewandte Chemie.

Photochemistry of smog, Stephens.

Ozone and Oxidants

Photochemical air pollution, Kleiner et al., Science.

Photochemical air pollution, Elkus & Wilson, Univ. Ca. Dept. Comm.

Oxidant experience in the San Francisco Bay Area, BAAPCD Info. Bull.

A study of oxidant concentration trends, BAAPCD Info. Bull.

Relationship of oxidant peak, high-hour and slope values, BAAPCD.

Simultaneous total oxidant and chemiluminescant ozone measurements, Severs, Univ. Texas SPH.

Oxidant trends in the S. Coast air basin, CARB.

The distribution of CO and oxidant concentrations in urban areas, CARB.

A space-time correlation study of oxidant and CO in the L.A. basin, Chock & Levitt, Atmospheric environment.

Statistical oxidant air quality prediction, Caporaletti et al., Univ. Ca., Dept. Chem. and Energy Center.

A tested short term oxidant control strategy. Elkus & Wilson, Univ. Ca., Dept. Chem.

Survey of statistical models for oxidant air quality prediction, Myrabo et al.

Box 11 Carbon Monoxide

An urban survey technique for measuring spatial variation of CO, Ott.

Air quality criteria for CO, US Dept. HEW.

A statistical analysis of the L.A. ambient CO data, Tiao et al., Univ. Wisc. Tech. Rep.

A survey technique, Ott & Eliassen, APCA Journal.

Sulfates and Nitrates

Regulations concerning a 24-hr. sulfate ambient air quality standard.

Relationships between suspended sulfates and ozone, Stasiuk et al., N.Y. Dept. Environ. Cons.

Sulfate and Nitrate particulates, BAAPCD Info Bull.

Dimensions of the L.A. SO₂/Sulfate problem, Cass. EQL mem.

Box 12 Metals

Lead concentrations in the San Francisco Bay Area, BAAPCD Info Bull.

An evaluation of anthropogenic additions of metals to the ambient air environment, O'Donnell et al.

Differences in metal areal distribution, Severs, Arch. Environ. Health.

Metals in the Houston air environment, Severs & Pier, Univ. Tex. SPH.

Lead in the environment and its effects on humans, Calif. Dept. PH.

Health effects and recommendations for atmospheric lead, cadmium, mercury and asbestos, Environ. Health Res. Center.

Hydrocarbons

A trend study of 2 indicator hydrocarbons in the S. Coast air basin, CARB.

Source reconciliation of atmospheric hydrocarbons, CARB.

Other

Status of Portland cement plants in California, CARB.

Shelf III

Pollution and It's Effect on Health

Health consequences of sulfur oxides. A report from CHES, EPA.

Health hazards of the human environment, WHO.

Epidemiology, Proceedings of a SIMS conference, SIAM.

Physics and mathematics of the nervous system, Conrad et al.

An epidemiological study of the short-term effects of air pollutants.

Box 13 California Air Resources Board Publications

A preliminary study on the estimation and uses of per capita health damage estimates for the pollutant group oxidants.

Human health damages from mobile source air pollution.

Statistical Laboratory Publications (Dept. Sts., Mich. State)

Representation of disease etiologies by certain stochastic models, Katz.

Box 14 Proceedings of the 6th Berkeley Symposium

Possible manifestations of worsening environmental pollution, Guffey.

Statistical aspects of a community health and environmental surveillance system, Nelson.

CHES, a community health and environmental surveillance system, Riggan.

Survey strategies for estimating rare health attributes, Sirken.

Problems in determining if a commonly used herbicide (2,4,5-7) has an effect on human health, Sterling.

Utility or futility of ordinary mortality statistics in the study of air pollution effects, Winkelstein.

Archives of Environmental Health

Air pollution and student health, Durham.

Adult mortality in Berlin, N.H. from 1961 to 1967, Ferns.

Statistical note on association of air pollution and liver cirrhosis, Morris & Shapiro.

(Box 14 continued)

Archives of Environmental Health

The relationship of air pollution and economic status to total mortality and selected respiratory system mortality in men (2 parts), Winkelstein.

Stomach cancer, Winkelstein.

Suspended particulate air pollution, Winkelstein.

Respiratory systems and air pollution in an urban population, Winkelstein.

British Journal of Industrial Medicine

Prevalence of chronic respiratory disease in a pulp mill and a paper mill in the U.S., Ferris, et al.

Mortality in a movie projectionist union in Boston 1910-64, Ferris & Worcester.

Misc. Reprints

Chronic nonspecific respiratory disease, Berlin, N.H., 1961-67, Ferris et al., Am. Rev. of Resp. Disease.

Nationwide cerebrovascular disease mortality study, Kuller et al., Am. J. Epid.

An analysis of the association between U.S. mortality and air pollution, Lave & Seskin.

Assessing the chain and energy crisis, pollution and health, Neyman.

Cigarette smoking and pulmonary diffusing capacity, VanGanse et al., Am. Rev. of Resp. Disease.

Extending the general field equation to fit the dose distributions of a variety of therapy units, Weinkham et al., Brit. J. Rad.

Testing the association between health status and an environmental index, Williams, Com. Stat. Theor. Meth.

Arteriosclerotic heart disease and cerebrovascular disease, Winkelstein & Gay, UCLA SPH.

The Erie County air pollution respiratory function study, Winkelstein, APCA Journal.

Prostatic cancer, Winkelstein, AJPH.

Study of blood pressure in Buffalo, N.Y., Winkelstein, Ann. N.Y. Academy of Science.

Box 15 Unpublished Papers, Address, Notes

Competing risks and the problem of pollution and public health, Neyman.

Assessing the chain and energy crisis, pollution and health.

Implications of dose-rate dependent cell-membrane damage for the biological effect of medical and environmental radiation, Sternglass.

Notes, Goldsmith.

A study of asthma in the L.A. basin, French et al.

Sociological variables in air pollution research, de Groot & Winkelstein.

Erie County air pollution-respiratory study, Maneri et al.

Asthma panel questionnaire.

Statistics enters the estimation of the increase in skin cancer caused by increases in ultraviolet radiation, Scott.

Statistical health-pollution problems, Neyman.

Problems in relating health effects to air pollution, Bishop et al.

The health effects of air pollution (Stanford study), Durham.

Air Pollution Medical Research Conference

Summary report, Wehrle & Hammer.

Air pollution and childhood respiratory disease, Hammer et al.

Ventilatory function in elementary school children, Chapman et al.

The effect of ozone on brain function, Johnson et al.

Metaplasias induced by benzo (a) pyrene in human respiratory epithelium, Crocker & Dirksen.

Carcinogenicity of airborne particulates, Shubik & Phil.

Epidemiology of lung cancer based on population studies, Hirayama.

Effect of CO on angina pectoris, Aronow.

Effect of CO inhalation on the vulnerability of the heart to induced fibrillation, De Bias et al.

Air pollution, host immune defenses, and asthma, Green.

Clinical and epidemiological studies on childhood asthma, Yoshida.

Earth, wind and fire, Todd.

(Box 15 continued)

Air Pollution Medical Research Conference

Environmental respiratory disease, Meyer.

Effects of moderate CO-dose on the central nervous system, Haider et al.

The relative contributions of inspired dietary lead to body lead burden, Kopple et al.

Surveillance techniques for respiratory illness, Tager et al.

Effects of vapor phase pollutants on nervous system and sensory function, Henkin.

Clinical applications of air pollution research and the data base, Griffin.

Air pollution is a social disease, Brown.

Box 16 Ecology

Ecosystem analysis and prediction, Proceedings, SIAM.

Monitoring the environment for ecological changes, van Beile & Fisher.

A transformation for species response to habitat factors, Forsythe & Loucks.

Miscellaneous Popular Items

Box 17 What is air pollution?

The catalyst and clean air.

1976 California gas mileage guide.

People or penguins, Baxter.

Name your poison.

Statistics and the environment, Box, J. Wash. Academy of Sci.

Resources for the future.

Catalog of the University of Texas Health Science Center at Houston, SPH.

Pollution Technology

Comparison of laser methods for the remote detection of atmospheric pollutants, Kildel & Byer, Proc. of the IEEE.

Pollutant detection by absorption using MIE scattering, Byer & Garbuny, Applied Optics.

Nuclear and Environmental Radiation

- Box 18 Analysis of population, birth and death statistics in the counties surrounding the Big Rock nuclear power station, Grahn.
- Benefits and risks of nuclear power in Michigan, Wright testimony.
- Environmental radiation and human health, Sternglass, Proc. 6th Berkeley Symp.
- The biochemical approach to mutation monitoring in man, Clark et al., Proc. 6th Berkeley Symp.

Shelf IV

Environmental Modeling and Simulation

- Energy : mathematics and models, Proc. of Conference.
- EPA conference on environmental modeling and simulation, Abstract book, EPA.
- Development of an air pollution model for the San Francisco Bay Area, Vol. II, Lawrence Livermore Lab.
- Box 19 Air quality modeling for land use planning and control applications, Feldstein et al., BAAPCD.
- An introduction to the SAI Airshed model, Systems Applications, Inc.
- A regional air pollution modeling system for practical application, Thuiller, BAAPCD.
- An air quality data analysis system : 3 parameter averaging time model, Larsen, USEPA.
- Dynamic estimation of air pollution, Desalu et al., IEEE Trans. Auto Control.
- Intervention analysis with applications, Box & Tiao, JASA.
- Statistical analysis of stochastic modeling of smog formation, Pokorny et al.
- Box-Jenkins stochastic modeling in regional forecasting of photochemical oxidant, Sandberg et al., BAAPCD.
- Environmental modeling and simulation, USEPA.

Theoretical Statistical Articles

- Box 20 Anisotropic correlation functions for objective analysis, Thiebaux, 4th Conf. on Prob. Stat. in Atmos. Sci.
- Part and bipartial canonical correlation analysis, Timm & Carlson, Psychometrika.
- A central limit theorem for the number of zeroes of a stationary Gaussian process, Cuzick.
- Conditions for finite moments of the number of crossings for Gaussian processes, Cuzick, Ann. Prob.
- Analytic delineation of theissen polygons, Rhynsburger, Geog. Analysis.
- A canonical form for the problem of estimating smoothe surfaces, Wahba, Univ. Wisc. Dept. Stat.
- Nonparametric estimation in the competing risks problem, Peterson, Stanford University.
- Note on simplified estimators for type I extreme-value distribution, Lieblein, Dept. Commerce.
- Efficient methods of extreme-value methodology, Lieblein.
- Averaging time and maxima for air pollution concentrations, Barlow, Proc. 6th Berkeley Symp.
- Comparison of forecasts and actuality, Box & Tiao, Univ. Wisc. Dept. Stat.
- Higher order diagnosis of z-way tables, McNeil, Biometrics.
- Plots people can't draw but computers can, Glick, Univ. British Columbia.

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Box 21 Stanford SIMS Papers

- Relating spatial distributions of pollutants to health effects, Sager.
- Maxima of partial samples, Mittal.
- Robustness of linear estimators to misspecification of trend, Sheshinski.

Other Papers

- A survey of the state of the art in air pollution, Diaconis.
- A class of isotropic covariance functions, Mittal.
- Remarks concerning a proposed epidemiological study, Moses.
- Measuring the effect of the fuel crisis, Diaconis.
- Study of the maxima of partial samples of oxidant concentrations in the Bay Area, Mittal.
- Seminar paper, Sever.

Box 22

Notes, handouts and miscellaneous items from SIMS seminars, lunches and meetings at Stanford.

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II	Air Quality Control Standards, Studies of Particular Pollutants							
	Indices	smog, ozone, oxidants			CO, sulfates, nitrates		metals, hydrocarbons, etc.	
	(8)(9)	(10)			(11)		(12)	
III	Pollution and Its Effect on Health			Ecology		Miscellaneous		Nuclear, Radiation
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IV	Environmental Modeling and Simulation			Theoretical Statistics			SIMS Group	
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