

Curriculum Vitae

Dennis E. House

Born: December 11, 1940 in Aurora, Missouri, US Citizen

Education: B.S., Mathematics, ROTC minor, 1962.
Southwest Missouri State University, Springfield, Missouri

M.S., Biostatistics, 1967.
University of Oklahoma, Oklahoma City, Oklahoma

Ph.D course work in Biostatistics, 1969-1971.
University of North Carolina, Chapel Hill, North Carolina

Employment: 1962 - 1964, Lieutenant, US Army
Fort Sill, Oklahoma and Bamberg, Germany

1966 - 1969, Instructor in Biometry
Louisiana State University School Of Medicine
New Orleans, Louisiana

1971 - 2000, Mathematical Statistician, National Health and
Environmental Effects Research Laboratory, USEPA, Research
Triangle Park, North Carolina

2002 – 2003, Part time statistical consultant for the National Health and
Environmental Effects Research Laboratory, USEPA, Research Triangle
Park, North Carolina

2000 – Present, Part time statistical consultant for the Chemical Industry
Institute of Toxicology, Research Triangle Park, North Carolina

2004 – Present, Statistician Associate, Chatham Research, Ltd.

Promotions, Awards and Performance Ratings:

Promoted to GS-13: September 30, 1973

EPA Scientific and Technological Achievement Awards:

<u>Year</u>	<u>Level</u>	<u>Journal article number (see publications)</u>
1984	3	13
1984	2	17
1985	3	19
1986	3	20
1986	2	24
1989	1	29
1990	1	33
1990	3	15, 21, 22, 30, 32, 35, 36
1992	3	44, 45
1994	3	54

Sustained Superior Performance Awards: 1984, 1992, and 1993

Other performance, service, or special achievement awards: 1972, 1980,
1987, 1988, 1990, 1991, 1992, 1993, 1995, and 1996

Outstanding technical paper in Bechtel Technical Excellence Program: 1994

Performance Ratings (1980-1997):

Exceeds Expectations: 1981-1991, 1994-1996

Outstanding: 1980, 1992-1993, 1997, 1998

International Experiences:

Ten journal articles were based on work done with international teams with members from the United States, Canada, The Czech Republic, Denmark, Spain, and Sweden. The ten articles are numbers 37, 39, 41, 44, 45, 59, 62, 64, 68, and 71 (see publications).

Participated in project officers and EPA QA review of Assistance Agreement #CR822790 entitled "Early signs and symptoms of Mn neurotoxicity in environmentally exposed human populations" at the University of Quebec in Montreal, Quebec, Canada on April 22- April 25, 1997.

Journal Reviews:

Have been a peer reviewer for the following journals:

Bioelectromagnetics

Biometrics

Communications in Statistics

Environmental Health Perspectives

Industrial Hygiene Association Journal

Journal of the Air Pollution Control Association

Past member of the American Statistical Association and The Biometric Society

Publications:

Master's Thesis:

"A sampling method for estimating counts and diameters of parietal cells"

Journal Articles:

[1] Chapman, R.S., Shy, C.M., Finklea, J.F., House, D.E., Goldberg, H.E., and Hayes, C.G.: Chronic respiratory disease in military inductees and parents of schoolchildren. Arch. Environ. Health, 27 (1973), 138-142.

[2] McKenzie, W.H., Knelson, J.H., Rummo, N.J., and House, D.E.: Cytogenetic effects of inhaled ozone in man. Mutation Research 48 (1977), 95-102.

[3] Savino, A., Peterson, M.L., House, D., Turner, A.G., Jeffries, H.E., and Baker, R.: The effect of ozone on human cellular and humoral immunity: Characterization of T and B lymphocytes by rosette formation. Environmental Research 15 (1978), 65-69.

[4] Peterson, M.L., Rummo, N., House, D., and Harder, S.: The effect of ozone on human immunity: In vitro responsiveness of lymphocytes to phytohemmagglutinin. Arch. Environ. Health, 33 (1978), 59-63.

[5] Peterson, M.L., Harder, S., Rummo, N., and House, D.: Effect of ozone on leukocyte function in exposed human subjects. Environmental Research, 15 (1978), 485-493.

- [6] Blackman, C.F., Elder, J.A., Weil, C.M., Benane, S.G., Eichinger, D.C., and House, D.E.: Induction of calcium-ion efflux from brain tissue by radio-frequency radiation: Effects of modulation frequency and field strength. Radio Science, 14 (1979), 93-98.
- [7] Blackman, C.F., Benane, S.G., Elder, J.A., House, D.E., Lampe, J.A., and Faulk, J.M.: Induction of calcium-ion efflux from brain tissue by radiofrequency radiation: Effect of sample number and modulation frequency on the power-density window. Bioelectromagnetics 1 (1980), 35-43.
- [8] Berman, E., Carter, H.B., and House, D.: Tests of mutagenesis and reproduction in male rats exposed to 2,450-MHz (CW) microwaves. Bioelectromagnetics 1 (1980), 65-76.
- [9] Blackman, C.F., Benane, S.G., Joines, W.T., Hollis, M.A., and House, D.E.: Calcium-ion efflux from brain tissue: Power-density versus internal field-intensity dependencies at 50-MHz RF radiation. Bioelectromagnetics 1 (1980), 277-283.
- [10] Stacy, R.W., Friedman, M., Green, J., House, D., Raggio, L., Roger, L.J., and Hazucha, M.: Effects of 0.75 ppm sulfur dioxide on pulmonary function parameters of normal human subjects. Arch. Environ. Health 36 (1981), 172-178.
- [11] Berman, E., Carter, H.B., and House, D.: Observations of rat fetuses after irradiation with 2450-MHz (CW) microwaves. Journal of Microwave Power 16 (1981), 9-13.
- [12] Peterson, M.L., Smialowicz, R., Harder, S., Ketcham, B., and House, D.: The effect of controlled ozone exposure on human lymphocyte function. Environmental Research 24 (1981), 299-308.
- [13] Berman, E., Carter, H.B., and House, D.: Reduced weight in mice offspring after in utero exposure to 2450-MHz (CW) microwaves. Bioelectromagnetics 3 (1982), 285-291.
- [14] Stacy, R.W., Seal, E. Jr., Green, J., and House, D.: Pulmonary function in normal humans with exercise and temperature-humidity stress. J. Appl. Physiol.: Respirat. Environ. Exercise Physiol. 53(4) (1982), 1015-1018.
- [15] Blackman, C.F., Benane, S.G., Kinney, L.S., Joines, W.T., and House, D.E.: Effects of ELF fields on calcium-ion efflux from brain tissue in vitro. Radiation Research 92 (1982), 510-520.
- [16] Hazucha, M.J., Ginsburg, J.F., McDonnell, W.F., Haak, E.D. Jr., Pimmel, R.L., Salaam, S.A., House, D.E., and Bromberg, P.A.: Effects of 0.1 ppm nitrogen dioxide on airways of normal and asthmatic subjects. J. Appl. Physiol.: Respirat. Environ. Exercise Physiol. 54(3) (1983), 730-739.
- [17] McDonnell, W.F., Horstman, D.H., Hazucha, M.J., Seal, E. Jr., Haak, E.D. Jr., Salaam, S.A., and House, D.E.: Pulmonary effects of ozone exposure during exercise: Dose-response characteristics. J. Appl. Physiol.: Respirat. Environ. Exercise Physiol. 54(5) (1983), 1345-1352.
- [18] Stacy, R.W., Seal, E. Jr., House, D.E., Green, J., Roger, L.J., and Raggio, L.: A survey of effects of gaseous and aerosol pollutants on pulmonary function of normal males. Arch. Environ. Health 38 (1983), 104-115.
- [19] Berman, E., Carter, H.B., and House, D.: Growth and development of mice offspring after irradiation in utero with 2,450-MHz microwaves. Teratology 30 (1984), 393-401.
- [20] McDonnell, W.F. III, Horstman, D.H., Abdul-Salaam, S., and House, D.E.: Reproducibility of individual responses to ozone exposure. Am. Rev. Respir. Dis. 131 (1985), 36-40.

[21] Blackman, C.F., Benane, S.G., House, D.E., and Joines, W.T.: Effects of ELF(1-120 Hz) and modulated (50 Hz) RF fields on the efflux of calcium ions from brain tissue in vitro. Bioelectromagnetics 6 (1985), 1-11.

[22] Blackman, C.F., Benane, S.G., Rabinowitz, J.R., House, D.E., and Joines, W.T.: A role for the magnetic field in the radiation-induced efflux of calcium ions from brain tissue in vitro. Bioelectromagnetics 6 (1985), 327-337.

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[32] Blackman, C.F., Benane, S.G., House, D.E., Joines, W.T., and Spiegel, R.J.: Effect of ambient levels of power-line-frequency electric fields on a developing vertebrate. Bioelectromagnetics 9 (1988), 129-140.

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- [60] Brown, J.S., Gerrity, T.R., Bennett, W.D., Kim, C.S., and House, D.E.: Dispersion of aerosol boluses in the human lung: dependence on lung volume, bolus volume, and gender. J. Appl. Physiol. 79 (1995), 1787-1795.
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- [63] Blackman, C.F., Benane, S.G., and House, D.E.: Frequency-dependent interference by magnetic fields of nerve growth factor-induced neurite outgrowth in PC-12 cells. Bioelectromagnetics 16 (1995), 387-395.
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- [66] Seal, E. Jr., McDonnell, W.F., and House, D.E.: Effects of age, socioeconomic status, and menstrual cycle on pulmonary response to ozone. Arch. Environ. Health 51 (1996), 132-137.
- [67] Hudnell, H.K., Boyes, W.K., Otto, D.A., House, D.E., Creason, J.P., Geller, A.M., Darcey, D.J., and Broadwell, D.K.: Battery of neurobehavioral tests recommended to ATSDR: Solvent-induced deficits in microelectronic workers. Toxicology and Industrial Health 12 (1996), 235-243.
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- [74] Blackman, C.F., House, D.E., and Blanchard, J.P.: Nonbinomial distribution of relative neurite outgrowth in PC-12 cells. Bioelectromagnetics 17 (1996), 512-515.
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[81] Spiegel, R.J., Greenburg, D.L., Kern, E.C., and House, D.E.: Emissions reduction data for grid connected photovoltaic power systems. Solar Energy 68 (2000). 475-485.

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[88] Blackman, C.F., Andrews, P.W., Ubeda, A., Wang, X., House, D.E., Trillo, M.A., and Pimentel, M.E.: Physiological levels of melatonin enhance gap junction communication in primary cultures of mouse hepatocytes. Cell Biology and Toxicology 17 (2001), 1-9.

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[90] Shoemaker, R.C. and House, D.E.: A time-series study of sick building syndrome: chronic, biotoxin-associated illness from exposure to water-damaged buildings. Neurotoxicology and Teratology. In press.

EPA Publications:

House, D.E., Finklea, J.F., Shy, C.M., Calafiore, D.C., Riggan, W.B., Southwick, J.W., and Olsen, L.J.: Prevalence of chronic respiratory disease symptoms in adults: 1970 survey of Salt Lake Basin communities. In: Health Effects of Sulfur Oxides: A report from CHESS, 1972. EPA Report No. EPA-650/1-74-004.

Nelson, W.C., Finklea, J.F., House, D.E., Calafiore, D.C., Hertz, M.B., and Swanson, D.H.: Frequency of acute lower respiratory disease in children: Retrospective survey of Salt Lake Basin communities, 1967-1970. In: Health Effects of Sulfur Oxides: A report from CHESS, 1972. EPA Report No. EPA-650/1-74-004.

Finklea, J.F., Hammer, D.I., House, D.E., Sharp, C.R., Nelson, W.C., and Lowrimore, G.R.: Frequency of acute lower respiratory disease in children: Retrospective survey of five Rocky Mountain communities, 1967-1970. In: Health Effects of Sulfur Oxides: A report from CHESS, 1972. EPA Report No. EPA-650/1-74-004.

Haak, E.D., Hazucha, M.J., Stacy, R.W., House, D.E., Ketcham, B.T., Seal, E., Roger, L.J., and Knelson, J.R.: Pulmonary effects in healthy young men of four sequential exposures to ozone. EPA Publication No. 600/1-84-033, 1984.

Book Chapters and Proceedings:

Hazucha, M.J., Ginsberg, J.F., McDonnell, W.F., Haak, E.D., Pimmel, R.L., House, D.E., and Bromberg, P.A.: Changes in bronchial reactivity of asthmatics and normals following exposures to 0.1 ppm NO₂. In: Air Pollution by Nitrogen Oxides. T. Schneider and L. Grant (editors). Elsevier Scientific Publishing Company, Amsterdam. (1982), 387-400.

McDonnell, W.F., Horstman, D.H., Hazucha, M.J., Seal, E. Jr., Haak, E.D., Salaam, S.A., and House, D.E.: Pulmonary response during exposure to low concentrations of ozone. In: The biomedical effects of ozone and related photochemical oxidants. Vol. 5 of Advances in Modern Environmental Toxicology. Mehlman, M.A., Lee, S.D., and Mustofa, M.G. (editors). Princeton, NJ: Princeton Scientific Publishing Co., Inc.: 1983: 139-144.

Blackman, C.F., Benane, S.G., and House, D.E.: The role of sample temperature in the field-induced alteration of calcium release from brain tissue in vitro. Proceedings of the US-USSR cooperation in environmental Health (physical factors); L'vov, USSR, Sept. 1989.

Blackman, C.F., Benane, S.G., and House, D.E.: Action of melatonin on Magnetic field inhibition of nerve-growth-factor-induced neurite outgrowth in PC-12 cells. In: The melatonin hypothesis: breast cancer and use of electric power. Stevens, R.G., Wilson, B.W., and Anderson, L.E. (editors). Battelle Press, Columbus, Ohio. 1997: 173-185.