

## CURRICULUM VITAE

Perkins, Jimmy L., M.S., Ph.D.

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University of Texas at Houston  
Health Science Center  
School of Public Health  
MPH Program At San Antonio

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### EDUCATION

University of Texas Austin, Texas

1974 - B.A. (Biology)

University of Texas School of Public Health  
Houston, Texas

1976 - M.S. (Environmental Health)

University of Texas School of Public Health  
Houston, Texas

1981 - Ph.D. (Industrial Hygiene/Environmental  
Health/ Human Ecology)

### POSITIONS HELD

- 1996-present Professor, School of Public Health, University of Texas Health Science Center at Houston, San Antonio MPH program, San Antonio, Texas.
- 1996-2004 Assistant Dean for the San Antonio Regional Campus, University of Texas Health Science Center at Houston, School of Public Health.
- 1999-2002 Assistant Dean for the Border Campus, University of Texas Health Science Center at Houston, School of Public Health.
- 1994-1996 Interim Chairman, Department of Environmental Health Sciences, School of Public Health, University of Alabama at Birmingham, Birmingham, Alabama.
- 1991 - 1996 Professor, School of Public Health, University of Alabama at Birmingham, Birmingham, Alabama.
- 1992 - 1996 Professor, School of Engineering, University of Alabama at Birmingham, Birmingham, Alabama.
- 1992 - 1996 Adjunct Associate Member of the Graduate Faculty, The Graduate School, Auburn University, Auburn, Alabama.
- 1985 - 1991 Associate Professor and Director of Industrial Hygiene Program, School of Public Health, University of Alabama at Birmingham, Birmingham, Alabama.
- 1985 - 1991 Deputy Director, Deep South Educational Resource Center for Occupational Health and Safety
- 1981 - 1985 Assistant Professor, School of Public Health, University of Alabama at Birmingham, Birmingham, Alabama.
- 1980 Industrial Hygienist, Summer Intern, Atlantic Richfield, Houston, Texas.
- 1976 - 1978 Health Services Officer, Project Administrator, U. S. Public Health Service, National Institute for Occupational Safety and Health.
- 1974 Teacher, Austin Independent School District, Austin, Texas.

## **MEMBERSHIPS IN PROFESSIONAL AND SCHOLARLY ORGANIZATIONS**

American Conference of Governmental Industrial Hygienists  
American Industrial Hygiene Association  
American Society for Testing and Materials  
Bexar County Air and Waste Management Association Local Section  
International Society of Exposure Analysis

## **HONORS AND OTHER SPECIAL COMMENTS**

National Honor Society Scholarship, 1969  
Dean's List, University of Texas, Austin, Texas, 1972  
Certified in the Comprehensive Practice of Industrial Hygiene by the American Board, 1982  
Member, National Institutes of Health, Safety and Occupational Health Study Section 1985-1988  
Visiting Professor, Lawrence Livermore Laboratories, Livermore, California, summers, 1985 and 1986  
Symposium Chairman, ASTM 3rd International Symposium on Protective Clothing, January 1989  
Peer Reviewer, Environmental Protection Agency Computerized Permeation Estimation Model, 1989  
Outstanding Service Award, American Society for Testing and Materials Committee F-23, 1990  
Sabbatical, University of Queensland, Australia, 1991  
President's Award for Excellence in Teaching, UAB, 1996  
Outstanding Teacher Award, UTSPH, 1999  
Elected to the American Board of Industrial Hygiene, 1999  
Elected Vice Chairman of the American Board of Industrial Hygiene, 2000  
Elected Chairman of the American Board of Industrial Hygiene, 2002  
Elected to the Industrial Hygiene Roundtable, 2002  
Advocacy Award, TRUST for Smoke Free Texas, 2003  
Elected to Institute on Medicine Committee on Personal Protective Equipment for Workplace Safety and Health, 2005  
Vice- Chair Elect, American Conference of Governmental Industrial Hygienists , 2007-2011

## **MAIN AREA OF RESEARCH OR SCHOLARLY INTEREST**

Occupational and environmental exposure assessment strategies  
Chemical permeation of protective clothing  
Dermal exposure risk assessment  
Environmental monitoring  
Ecological effects of water pollution  
Risk management

## **CURRENT AND PAST TEACHING ACTIVITIES**

Fundamentals of Industrial Hygiene  
Industrial Hygiene Controls/Ventilation  
Introduction to Occupational Health  
Case Studies in Industrial Hygiene  
Environmental Management  
Fundamentals of Environmental Health  
Hazardous Waste Management  
Industrial Hygiene Sampling Strategies  
Chemical and Biological Water Quality Analysis  
Computer and Statistical Applications in Environmental Health  
Risk and Exposure Assessment  
Occupational and Environmental Exposure Assessment  
Short courses:

Course Director, Sampling and Analysis of Airborne Asbestos Dust (NIOSH 582), 40 hr course, 1982-1990

Course Director, Comprehensive Review of Industrial Hygiene, 40 hour course, 1990-1996

### **Foreign teaching activities**

Universidad del Valle, Cali, Columbia, Overview of Occupational Health/Industrial Hygiene, 1986

In cooperation with Central Organization of Trade Unions and Kenyan Business Council and the U.S. State Department, Overview of Occupational Health/Industrial Hygiene, Kisumu, Kenya, 1987

Deakin University, Geelong, Australia, Comprehensive Review of Industrial Hygiene, 1992

Universidad Autonoma de Mexico - Iztapalapa, Mexico City, Overview of American Environmental Regulations, 1993

Witwatersrand Medical College - Johannesburg, SA, Controls in Occupational Hygiene, Full course for the MPH degree, 2002, 2003

### **SERVICE ACTIVITIES**

#### **Current External Appointments**

Member, ASTM Committee F-23 on Protective Clothing, 1986-present

Member, AIHA Committee on Exposure Assessment Strategies, 1996-present

Member, Council on Graduate Studies, MS in Clinical Investigations, UTHSCSA, 2000-present

Vice-Chair San Antonio Metropolitan Scientific Advisory Board, 2002-present

Member Permanent Conference Committee, American Industrial Hygiene Conf. and Exposition, 2004-present

Member Scientific Symposium Task Force, American Industrial Hygiene Conf. and Exposition, 2005-present

Member Institute of Medicine Committee on Personal Protective Equipment for Workplace Safety and Health, 2005 - present

Vice-Chair Elect, American Conference of Governmental Industrial Hygienists, 2006-2011

#### **Former External Appointments**

Board of Directors, Council of Industrial Hygiene Consultants, 1983-1985

Secretary/Treasurer, Alabama Chapter, American Industrial Hygiene Association, 1983

Board of Directors, Southeastern Occupational Health Conference, 1983

Long Range Planning Task Force on Continuing Education, American Industrial Hygiene Association, 1983

President, Alabama Chapter, American Industrial Hygiene Association, 1984, 1985

Secretary, Southeastern Occupational Health Conference, 1984-1985

Member, National Institutes of Health, Safety and Occupational Health Study Section 1985-1988

Member, Editorial Review Board, *Applied Occupational and Environmental Hygiene*, 1985-1991

Chairman, Protective Clothing Committee of American Industrial Hygiene Association, 1986-1987

Peer Reviewer, Environmental Protection Agency Protective Clothing Program, 1988

Site Visitor, University of North Carolina Educational Resource Center, 1990

Site Visitor, University of South Florida Educational Resource Center, 1992

Reviewer, Special Review: National Occupational Research Agenda (SOH Study Section, NIOSH) 1996

Texas State-wide Environmental Education 2000 Committee, 1997-2001

Bexar County Community Based Environmental Health Assessment, 1997-2000

Member, Department of Defense, Expert Review Panel on Domestic Preparedness for Weapons of Mass Destruction, Emergency and Hazardous Material Response, 1998- 2003

Mayor's Task Force on Air Quality for San Antonio 1998

Bexar County Tobacco Settlement Advisory Committee 1999

Site Visitor, University of West Virginia, Educational Resource Center, 1999

CHRISTUS Health Futures Task Force, 1999-2001

Member, American Board of Industrial Hygiene, 1999-2005  
Member, UTEP, Dean of College of Health Sciences Search Committee, 2000-2001  
Site Visitor, University of Cincinnati Educational Resource Center, 2001  
Vice Chair, American Board of Industrial Hygiene, 2001-2003  
Grant Proposal Reviewer, Paso del Norte Foundation, 2002  
External Reviewer, University of Georgia, MPH Proposal, 2002  
Member and Chair of Resources Committee, Tobacco and Health Awareness Coalition and Smoke-Free San Antonio, 2003  
Chair, American Board of Industrial Hygiene, 2003-2005  
Technical Liaison to the City Public Service Company Environmental Health Oversight Committee, 2003-2005  
American Industrial Hygiene Conference and Exposition, Strategic Planning Committee, 2004.  
Advisory Committee on Health, Safety, Environment, BHP Biliton Board of Directors, 2003-2005  
Member Bexar County Medical Society, Communications Committee, Editorial Review Board for *San Antonio Medicine* 2003-2005  
Secretary, Alamo Section American Industrial Hygiene Association, 2005  
Member, International Workshop on Creating a Harmonized Approach to the Setting of Occupational Exposure Limits, International Council on Mining and Metals, 2005

### **Former Internal Appointments**

Committee for the Future, UAB School of Public Health, 1982 and 1989  
Faculty Affairs Committee, UAB School of Public Health, 1983-1985  
Member, Ad Hoc Committee on Research Incentives, 1989  
Member, Ad Hoc Committee on Honor Code, 1990  
Member, Ad Hoc Committee on Merit Salary Increase, 1990  
Member, Outstanding Teaching Award Committee, 1990-1992  
Member, SPH Financial Aid Committee, 1992-1995  
Member, Ad Hoc Committee on Admissions Standards, 1993  
Member, Ad Hoc Committee on SPH Graduate Surveys, 1994  
Member, Ad Hoc Committee on Governance, Self Study, 1994  
Chairman, Ad Hoc Committee on Computer Literacy, 1995  
Member, UAB Committee on Strategic Agenda Development, 1995  
Member, UAB SPH Ad Hoc Committee to Review MPH Core, 1995  
Member, UAB Task Force on Financial Aid, 1995  
Member, Dean's Search Committee, 1995-1996  
Chairman, SPH Financial Aid Committee, 1994-1996  
Chairman, UAB Chemical Safety Committee, 1990-1996  
Chairman, SPH Strategic Working Group on Education, 1995-1996  
Faculty Councilor, UAB SPH Faculty, 1994-1996  
Member EARTH Center Executive Committee, 1994-1996  
Member, SPH Advisory Committee for Information Technology, 1988-1996  
Member, SPH Executive Committee, 1994-1996  
Member, Center for Health Promotion, Expansion Area Working Group in Occupational and Environmental Health, 1994-1996  
Member, Alabama Industries Professorship in Environmental Engineering Search Committee, 1995-1996  
UTSPH Distance Education Task Force 1996-1998  
UTSPH Satellite Committee 1998-1999  
Chairman, El Paso Assistant Dean Search Committee, 2001-2002  
Faculty search committees in Health Behavior, Environmental Science (2), Biometry 1996- 2002  
UTSPH ad hoc committee on course evaluation revisions, 1999-2000, 2002-2003  
UTSPH Faculty Council, 2004-2006  
School of Public Health, UTHSCSA, UTSA, San Antonio Metropolitan Health District, Strategic and Operational Planning Committee, 2005-2006

## Current Internal Appointments

School of Public Health and UTSA planning committee for a bachelors's degree in Public Health, 2006-2007

## Consultation

A wide range of industries including foundries, smelting, specialty metals products, poultry production, printing, telecommunications, educational facilities, mining, auto racing, telecommunications, construction, pesticide production, and petrochemicals; and issues including indoor air quality, drinking water contamination, acid mine drainage, leaking underground storage tanks, worker and community air contaminant exposures, community risk communication, and ventilation.

## PUBLICATIONS AND PRESENTATIONS

### Published Peer Reviewed Articles (students in bold)

1. Perkins, J.L. and V.E. Rose. Occupational Health Priorities: The Current NIOSH Approach. *Am. J. Pub. Hlth.* 69:444-449 (1978).
2. Perkins, J.L. Shannon - Weaver or Shannon - Wiener? *J. Water Poll. Cntl. Fed.* 54:1049-1050 (1982).
3. Rose, V.E., and J.L. Perkins. Passive Dosimetry: A State of the Art Review. *Am. Ind. Hyg. J.* 43:605-621 (1982).
4. Perkins, J.L. A Bioassay Evaluation of Diversity and Community Comparison Indices. *J. Water Poll. Cntl. Fed.* 55:522-530 (1983).
5. Perkins, J.L. and A. **Tippit**. Use of the Three Dimensional Solubility Parameter to Predict Glove Permeation. *Am. Ind. Hyg. J.* 46:455 (1985).
6. Perkins, J.L. and J.D. **Kimbrough**. Formaldehyde Concentrations in a Gross Anatomy Laboratory, *J. of Occup. Med.* 27:813 (1985).
7. **Kupferschmid**, L. and J.L. Perkins. Organic Solvent Recycling Plant Exposure Levels, *Appl. Ind. Hyg. J.* 1:122 (1985).
8. **Reich**, A., J.L. Perkins, and G. Cutter. DDT Contamination in a North Alabama Aquatic Ecosystem, *Environmental Toxicology and Chemistry* 5:725 (1985).
9. Perkins, J.L., A.B. **Holcomb**, M.C. **Ridge**, M.K. **Wang**, and W.E. Nonidez. Skin Protection, Viton, and Solubility Parameters, *Am. Ind. Hyg. J.* 47:803 (1986).
10. Perkins, J.L. Chemical Protective Clothing I: Selection and Use, *Appl. Ind. Hyg. J.* 2:222-230 (1987).
11. Perkins, J.L., J.S. Johnson, P.M. Swearingen, C.P. Sackett, and S.C. **Weaver**. Residual Spilled Solvents in Butyl Protective Clothing and Usefulness of Decontamination Procedures, *Appl. Ind. Hyg. J.* 2:179-182 (1987).
12. Perkins, J.L. Chemical Protective Clothing II: Program Considerations, *Appl. Ind. Hyg. J.* 3:1-4 (1988).
13. Perkins, J.L. and V.B. **Knight**. Risk Assessment of Dermal Exposure to PCBs Permeating a PVC Glove, *Am. Ind. Hyg. J.* 50:A-171 (1989).
14. **Oestenstad**, R.K., J.L. Perkins, and V.E. Rose. Identification of Faceseal Leaksites on a Half-Mask Respirator, *Am. Ind. Hyg. J.* 51:280-284 (1990).
15. Perkins, J.L., G.N. Cutter, and M.S. **Cleveland**: Estimating the Mean, Variance, and Confidence Limits from Censored (< Limit of Detection), Lognormally-Distributed Exposure Data, *Am. Ind. Hyg. J.* 51:416-419 (1990).
16. Perkins, J.L. and M.S. **Cleveland**. Phase Contrast Microscopy and Transmission Electron Microscopy - No Relationship? *Am. Ind. Hyg. J.* 51:A-555 (1990).
17. Perkins, J.L. Decontamination of Protective Clothing, *Appl. Occup. and Env. Hyg. J.* 6:29-35 (1991).
18. Perkins, J.L., V.E. Rose, and M.S. **Cleveland**. Analyses of PCM Asbestos Air Monitoring Results for a Major Abatement Project, *Appl. Occup. and Env. Hyg. J.* 7:27-32 (1992).
19. Perkins, J.L. and M. **You**. Predicting Temperature Effects on Chemical Protective Clothing Permeation, *Am. Ind. Hyg. J.* 53:77-83 (1992).
20. **Grimsley**, L.F., R.R. Jacobs, and J.L. Perkins. Varicella-Zoster Virus Susceptibility in Day-care

- Workers, *Appl. Occup. and Env. Hyg. J.* 7:191-194 (1992).
21. Macaluso, M., E. Delzell, V. Rose, J. Perkins. Use of Organic Solvents and Potential Worker Exposure in the Motor Vehicle Manufacturing Industry, *Am. J. Ind. Med.*, 23:449-460 (1993).
  22. Macaluso, M., E. Delzell, V. Rose, J. Perkins, K. **Oestenstad**. Inter-rater Agreement in the Assessment of Solvent Exposure at a Car Assembly Plant, *Am. Ind. Hyg. Assoc. J.* 54:351-359, (1993).
  23. Oestenstad, R.K., R.F. Boggs, J.L. Perkins. An Analysis of Manager Expectations for Entry-Level Industrial Hygienists, *Am. Ind. Hyg. Assoc. J.*, 55(5):546-551 (1994).
  24. Perkins, J.L. and K. **Rainey**. The Effect of Glove Flexure on Permeation Parameters, *Appl. Occ. and Env. Hygiene* 12:206-210 (1997).
  25. Perkins, J.L. and K. **Vescial**. An Evaluation of Charcoal Cloth As a Field Monitor for the Efficacy of CPC, *Appl. Occ. and Env. Hygiene* 12:362-366 (1997).
  26. Perkins, J.L. and B. **Pool**. Batch Lot Variability in Permeation through Nitrile Gloves, *Am. Ind. Hyg. Assoc. J.* 58:474-479(1997).
  27. Perkins J.L. Bags, Rigid Containers and Impingers, *Ind. Hyg. News* 20:4 (1997).
  28. **Ritter**, D.C. and J.L. Perkins Noise-induced Hearing Loss Among U. S. Air Force Cryptolinguists, *Aviation, Space and Environmental Medicine*, June (2001).
  29. Baxter, D. M., J. L. Perkins, C.R. McGhee, and J. Seltzer, A Regional Comparison of Mold Spore Concentrations Outdoors and Inside Clean and Mold Contaminated Southern California Buildings, *J. Occ. Env. Hlth.*, 2:8-18 (2005).
  30. Vela Acosta M. S., M. C. Johnson, J. Perkins and P. L. Bigelow Organic Vapor Exposures During Drum Bulking at a University Hazardous Waste Facility, *Scand. J. Work and Env*, Submitted, 2007.

### Books and Reports

1. Perkins, J.L. *Criteria for a Recommended Standard...Occupational Exposure during the Manufacture and Formulation of Pesticides*. DHHS, NIOSH, 78-174 (1978).
2. Perkins, J.L. *Special Occupational Hazard Review for DDT*. DHHS, NIOSH, 78-200 (1978).
3. Perkins, J.L. *Special Occupational Hazard Review for Aldrin/Dieldrin*. DHHS, NIOSH, 78-201 (1978).
4. Perkins, J.L. and V.E. Rose, Eds. *Case Studies in Industrial Hygiene*, John Wiley and Sons, NY (1987).
5. Perkins, J.L. and J.O. Stull, Eds. *Chemical Protective Clothing Performance in Chemical Emergency Response*, ASTM, Philadelphia, PA (1989).
6. Perkins, J.L. Standard Practice for Chemical Protective Clothing Program, F1461-93, *Annual Book of ASTM Standards, Volume 1507*, American Society Testing and Materials, Philadelphia, PA (1993).
7. Perkins, J.L. *Modern Industrial Hygiene: Volume I Recognition and Evaluation of Chemical Agents*. American Conference of Governmental Industrial Hygienists, Cincinnati (1997) 840pp.
8. Perkins, J. L.(ed), *Modern Industrial Hygiene, Volume II, Biological Aspects*, American Conference of Governmental Industrial Hygienists, Cincinnati (2003) 800 pp.

### Chapters

1. Perkins, J.L. and S.M. Pier. Spanish Moss as an Indicator of Airborne Metal Contamination, in Licht, W.; Engel, A. J., and Slater S. M., Eds., *Control of Emissions from Stationary Sources: Pollutant Detection and Behavior in the Atmosphere*, American Institute of Chemical Engineers, Symposium Series, 75:199-208, New York (1979).
2. Perkins, J.L. and M.C. **Ridge**. Use of Infrared Spectroscopy in Permeation Testing, in *Performance of Protective Clothing*, R. L. Barker and G. C. Coletta, Eds., American Society for Testing and Materials, STP. 900 (1986).
3. Perkins, J.L. Maintenance of Separators in the Petroleum Industry, in *Case Studies in Industrial Hygiene*, John Wiley and Sons, NY (1987).
4. Holcombe, A.B. and J.L. Perkins. Vapor Degreasing Operations in *Case Studies in Industrial Hygiene*, John Wiley and Sons, NY (1987).
5. **Ridge**, M.C. and J.L. Perkins. Permeation of Solvent Mixtures Through Protective Clothing Elastomers, in *Chemical Protective Clothing Performance in Chemical Emergency Response*, ASTM, Philadelphia, PA (1989).

- 7 Perkins, J.L.
6. Perkins, J.L. Solvent-Polymer Interactions, in *Chemical Protective Clothing, Vol. 1*, J.S. Johnson and K.J. Anderson, Eds., American Industrial Hygiene Association, Akron, OH (1990).
7. Perkins, J.L. Chemistry of Chemical Protective Clothing Formulations, in *Chemical Protective Clothing, Vol. 1*, J.S. Johnson and K.J. Anderson, Eds., American Industrial Hygiene Association, Akron, OH (1990).
8. Perkins, J.L. Solvent-Polymer Interactions, in *Chemical Protective Clothing, 2nd ed*, American Industrial Hygiene Association, Fairfax, VA, 2003.
9. Perkins, J.L. , Chemistry of CPC Formulations in *Chemical Protective Clothing, 2nd ed*, American Industrial Hygiene Association, Fairfax, VA, 2003.

### Accepted

none

### In Preparation

- Minoia, M.J., Perkins, J.L. and L.T. Martinez, A study of exposure variability and autocorrelation in the US Occupational Safety and Health Administration's Integrated Management Information System database.
- Siedlecki, C.M. and J.L. Perkins, Existence of Architectural Barriers Despite the Americans with Disabilities Act of 1990.
- Perkins, J.L., M. Isabell, and H.K. Dillon. The Effect of Viscosity on Rotameter Performance, in preparation.
- Perkins, J. L. and C. Gray (eds), *Modern Industrial Hygiene, Volume III, Controls*, American Conference of Governmental Industrial Hygienists, Cincinnati.
- Perkins, J.L., Control of Dermal Exposures, in *Modern Industrial Hygiene, Volume III*, Perkins J.L. and C. Gray (eds), American Conference of Governmental Industrial Hygienists, Cincinnati.
- Perkins, J.L., Introduction to Industrial Hygiene Controls, in *Modern Industrial Hygiene, Volume III*, Perkins J.L. and C. Gray (eds), American Conference of Governmental Industrial Hygienists, Cincinnati.
- Perkins, J.L., Training and Risk Communication, in *Modern Industrial Hygiene, Volume III*, Perkins J.L. and C. Gray (eds), American Conference of Governmental Industrial Hygienists, Cincinnati.
- Michaelson, R. S. and J. L. Perkins, Medical Disqualification at the Pararescue/Combat Controller Indoctrination Course 1995-1999, *Space and Environmental Medicine*.

### Invited papers

1. Perkins, J.L. The Efficiency of Passive Monitors, 35th Pittsburgh Conference, Atlantic City, March, 1984.
2. Perkins, J.L. Sampling Strategy, presented at 37<sup>th</sup> Pittsburgh Conference, New Orleans, Louisiana, February, 1988.
3. Perkins, J.L. Chemical Protective Clothing - Selection, Use and Program Considerations, Australian Institute of Occupational Hygiene Meeting, Ballarat, Victoria, Australia, 1986.
4. Perkins, J.L. Exposure Assessment, presented to Queensland Chapter, Australian Institute of Occupational Hygiene, Brisbane, Queensland, Australia, October 1991.
5. Perkins, J.L. How to get Published, American Industrial Hygiene Conference and Exposition, Orlando, Fl. and Dallas Tx., 2000 and 2003.
6. Perkins, J.L. Keynote Address, Issues Surrounding the Certification Process, Occupational Safety and Health at Work Annual Technical Conference, Bangkok, Thailand, July 2001.
7. Perkins, J.L. Exposure and Risk Assessment, Occupational Safety and Health at Work Annual Technical Conference, Bangkok, Thailand, July 2001.
8. Perkins, J.L. And J. Cisneros, Environmental Health Issues Along the Border Region, 57<sup>th</sup> Southwest Regional Meeting, Am. Chem. Soc. San Antonio, October, 2001.
9. Perkins, J.L., Risk Assessment in Occupational Hygiene: Where are we going?, Australian Institute of Occupational Hygiene, Geelong, Victoria, Dec., 2002.
10. Perkins, J.L., The risks of Second Hand Smoke, Alamo Chapter Am. Ind. Hyg. Assoc., October, 2003.

**Presented Papers**

1. Perkins, J.L. and S.M. Pier. Spanish Moss as an Indicator of Airborne Metal Contamination, American Institute of Chemical Engineers Proceedings, Houston, Texas, March, 1977.
2. Perkins, J.L. The Three Dimensional Solubility Parameter as a Predictor of Glove Permeation, American Industrial Hygiene Conference, Philadelphia, May, 1983.
3. Perkins, J.L. A Definitive Study of Viton, American Industrial Hygiene Conference, Detroit, May, 1984.
4. Perkins, J.L. Use of Infrared Spectroscopy in Permeation Tests, ASTM International Symposium on the Performance of Protective Clothing, Raleigh, North Carolina, July, 1984.
5. Perkins, J.L. Selection of Protective Clothing, Alabama Industrial Hygiene Association Meeting, April, 1985.
6. Perkins, J.L., J.S. Johnson, and P. Swearngen. Residual Splashed Solvents in Butyl Protective Clothing and Usefulness of Decontamination Procedures, presented at American Industrial Hygiene Conference, Dallas, May, 1986.
7. Perkins, J.L. Predicting Permeation Properties of Butyl, Viton, and Nitrile Polymers, 2nd Symposium on Protective Clothing, American Society for Testing and Materials, Tampa, Florida, 1987.
8. Perkins, J.L. Temperature Effects on Breakthrough Time, 2nd Symposium on Protective Clothing, American Society for Testing and Materials, Tampa, Florida, 1987.
9. Perkins, J.L. Recommendations for a Skin Exposure Toxicity Model, 2<sup>nd</sup> Symposium on Protective Clothing, American Society for Testing and Materials, Tampa, Florida, 1987.
10. Perkins, J.L. Sampling Strategies for Exposure Assessment, 3rd Spring Conference, Alabama Industrial Hygiene Association, March, 1988.
11. Perkins, J.L., G.N. Cutter, and M.S. **Cleveland**: Estimating the Mean, Variance, and Confidence Limits from Censored ( $< LOD$ ), Lognormally- Distributed Exposure Data, presented at the American Industrial Hygiene Conference, St. Louis, Missouri, May, 1989.
12. **Ridge**, M.C. and J.L. Perkins: Permeation of Solvent Mixtures Through Protective Clothing Elastomers, presented at The International Symposium on Protective Clothing: Chemical Protective Clothing Performance in Chemical Emergency Response, San Diego, California, January, 1989.
13. **Edgar**, J.C., J.L. Perkins, S.P. Glenn, and J.J. Ocken: Evaluation of Coast Guard Personnel Exposures to Benzene, Toluene, and Xylene During Four High Risk Activities Utilizing and Comparing Passive and Active Sampling Methods, presented at the American Industrial Hygiene Conference, Salt Lake City, Utah, May 1991.
14. **Grimsley**, L.F., R.R. Jacobs, and J.L. Perkins: Varicella-Zoster Virus Susceptibility in Day-care Workers, presented at the American Industrial Hygiene Conference, Salt Lake City, Utah, May 1991.
15. **Hall**, S.C. and J.L. Perkins: Comparison of Right and Left Side Lapel Sampling Results, presented at the American Industrial Hygiene Conference, Salt Lake City, Utah, May 1991.
16. **McBride**, J.B. and J.L. Perkins: A Study of Spatial Correlation in a Workplace Exposure Zone, presented at the American Industrial Hygiene Conference, Salt Lake City, Utah, May 1991.
17. **Rainey**, K.C. and J.L. Perkins: The Effect of Glove Flexure on Breakthrough Time and Permeation Rate, presented at the American Industrial Hygiene Conference, Boston, MA, June, 1992.
18. **Wireman**, J.R. and J.L. Perkins: A Comparison of Gravimetric and Standard ASTM Techniques for Measuring CPC Permeation, presented at the American Industrial Hygiene Conference, Boston, MA, June, 1992.
19. **Martin**, J. and J.L. Perkins: The Efficacy of Using Charcoal Cloth in Monitoring Permeation Under Protective Gloves in the Field, presented at the American Industrial Hygiene Conference, New Orleans, LA, 1993.
20. **Pool**, B.H. and J.L. Perkins: Comparisons of Breakthrough Detector Times, Steady State Permeation Rates, and Glass Transition Temperatures of Two Commercially Available Nitrile Gloves Produced at Different Times, presented at the American Industrial Hygiene Conference, New Orleans, LA, 1993.
21. **Bierman**, Q. and J.L. Perkins: A Dilution Ventilation Study Quantifying K Factor Selection based Upon Inlet/Outlet Configuration and Worker Position, presented at the American Industrial Hygiene Conference, Anaheim, CA, 1994.
22. **Caudill**, B. and J.L. Perkins: Contamination and the Effectiveness of Thermal Decontamination of

- Chlorinated Polyethylene, PVC, Neoprene®, Viton®, and Teflon® Polymers, presented at the American Industrial Hygiene Conference, Anaheim, CA, 1994.
23. **Isabell, M.** and J.L. Perkins: The Effect of Viscosity on the Operation of a Precision Rotameter, presented at the American Industrial Hygiene Conference, Anaheim, CA, 1994.
  24. **Martinez, T.** and J.L. Perkins: A Study of the Effect of Nonrandom sampling on the Estimation of Exposure Variability Using Exposure-Time Series from the OSHA IMIS Health Inspection Database, presented at the American Industrial Hygiene Conference, Anaheim, CA, 1994.
  25. **Pennington, J.H.** and J.L. Perkins: A Survey of Household Hazardous Waste in Alabama, presented at the American Industrial Hygiene Conference, Kansas City, MO, 1995.
  26. **Rigsbee, K.** and J.L. Perkins: A Dilution Ventilation Study Quantifying K Factor Selection Based Upon Inlet/Outlet Configurations and Worker Position, presented at the American Industrial Hygiene Conference, Kansas City, MO, 1995.
  27. **Vescial, K.** and J.L. Perkins: Charcoal Cloth's Efficiency in Monitoring Heptane Permeation Through Protective Gloves Under Flex Conditions, presented at the American Industrial Hygiene Conference, Kansas City, MO, 1995.
  28. **Siedlecki, C. M.** and J.L. Perkins, Existence of Architectural Barriers Despite the Americans with Disabilities Act of 1990, presented at the Aerospace Medicine Association meeting, 1999.
  29. **Ritter, D.** and J.L. Perkins, Noise-induced Hearing Loss Among U. S. Air Force Cryptolinguists, presented at the Aerospace Medicine Association meeting, 1999.
  30. **Michaelson, R.** and J.L. Perkins, Medical Disqualifications at the Pararescue/Combat Controller Indoctrination Course, 1995-1999, presented at the Aerospace Medicine Association meeting, Reno, 2001.
  31. **Sowin, T.W.,** W.B. Kruyer, P.J. Fitzsimmons, A. Holguin, and J.L. Perkins, Predictors of Cardiac Events in Military Aircrew with Known Coronary Arterial Anatomy, presented at the Aerospace Medicine Association meeting June, 2002.
  32. Baxter, D.M.,C.R. McGhee, J. L. Perkins, J. Seltzer, A Regional Comparison of Mold Spore Concentrations Outdoors and Inside Clean and Mold Contaminated Southern California Buildings, presented at Am. Ind. Hyg. Conf., San Diego, June, 2002.
  33. Perkins, J.L., What Occupational Hygienists Should Know About Risk Assessment, Invited Plenary Address, Australian Institute of Occupational Hygienists, 20<sup>th</sup> Annual Meeting, Geelong, Victoria, December, 2002.
  34. Baxter, D.M.,C.R. McGhee, J. L. Perkins, J. Seltzer, A Regional Comparison of Mold Spore Concentrations Outdoors and Inside Clean and Mold Contaminated Southern California Buildings, Australian Institute of Occupational Hygienists, 20<sup>th</sup> Annual Meeting, Geelong, Victoria, December, 2002.
  35. **Heilbrun, L.P.,** Miller, C. and Perkins, J.L., Are parents of AD/HD children more susceptible to environmental exposure than controls?, 132nd Annual Meeting American Public Health Association, November 2004, Washington, DC.

### **Book Reviews**

Perkins, J.L. In-Plant Practices for Job-Related Hazardous Control (Vols. I and II), L.V. Cralley and L.J. Cralley, Eds., Am. Ind. Hyg. Assoc J. 51:A348 (1990).

### **GRANT ACTIVITY**

1. Aquatic Bioassays for Evaluating Environmental Impact Assessment Indices; Biomedical Research Grant; \$3700; 1982-1983; (P.I.).
2. Stipends for Industrial Hygiene Students; American Industrial Hygiene Foundation; \$5000; 1982-1983; (P.I.).
3. Aquatic Bioassays for Evaluating Environmental Impact Assessment Indices; Biomedical Research Grant; \$3700; 1982-1984; (P.I.).
4. Use of Solubility Parameters to Predict Glove Polymer Permeation by Industrial Chemicals; NIH

- Biomedical Research Grant; \$3050; 1982-1984; (P.I.).
5. A Model for Predicting Glove Polymer Permeation; NIH/CDC/NIOSH(R01); \$150,033; 1983-1986; (P.I.).
  6. DDT Levels in Fauna and Sediments at Triana, Alabama; Biomedical Research Support Grant; \$800; 1984; (P.I.).
  7. Stipends for Industrial Hygiene Students; American Industrial Hygiene Foundation; \$4,000; 1984; (P.I.).
  8. Penetration of Protective Clothing Polymers; Zak Mansdorf and Associates; \$2,700; 1984; (P.I.).
  9. Occupational Safety and Health Research Training; DHHS/NIOSH; ~\$30,000/yr; 1987-1992; (P.I.).
  10. Estimate of Solvent Exposure Among General Motors/United Auto Workers; General Motors; \$94,331; 1989-1990; E. Delzell, (P.I.).
  11. NIOSH/ERC, Inc. Cooperative Agreement; Desorption/Adsorption Experiments to Characterize Skin; J.L. Perkins, PI; 21,716; 9/30/92-9/30/93.
  12. NIH/BRSO Desorption/Adsorption Experiments to Characterize Skin Permeation Properties, J.L. Perkins, PI; \$2,561; 4/1/93 - 3/31/94.
  13. NIH Bridges to the Future Program #1 MS to PhD. NIH-NIGMS, J. Perkins, PI; \$203,565; 9/1/93 - 8/30/95.
  14. NIEHS Deep South Center for Environmental Health. NIH-NIEHS, J. Perkins, PI; \$756,678; not funded.
  15. Alabama Legacy for Environmental Research Trust, UAB EARTH Center, Keith Parmer, PI, J. Perkins PI for Household Hazardous Waste Survey, \$101,176, 10/1/94 - 10/1/95.
  16. Bridges to the Future: UAB/HBU MS to PhD, NIH-NIGMS, J. Perkins, PI, \$495,994, 9/30/95 - 9/29/98.
  17. Collaborative US-Mexico OSH Research & Training Project, NIH-Fogarty, J. Perkins, PI, \$669,609, 9/30/95-9/29/00, not funded.
  18. Health Risks from Carbon Disulfide Exposure in South Alabama, Earth Center, J. Perkins, PI, \$15,500, 6/1/95 - 5/31/96.
  19. A Project to Generate Core Funding for the Earth Center, HSF-GEF, J. Perkins, PI, \$525,000, 11/95 - 11/98, not funded.
  20. A Dispersion Model for Dilution Ventilation, NIH, K. Dillon, PI, \$269,322, 12/1/95-11/30/98, not funded.
  21. Workplace Health & Safety Training Cooperative Agreement, CLEAR, R. Johnson, PI, \$3,984,756, 10% effort, 9/1/95-8/31/00.
  22. Technical Oversight of the N. Birmingham Brownfield Project, Birmingham Environmental Clearinghouse, J. Perkins, PI, \$15,161, 10% effort 6/1/96-6/1/98.
  23. Technical Oversight of the N. Birmingham Brownfield Project, Ala. Dept. Of Public Health, J. Perkins, PI, \$41,582, 10% effort 9/1/97-9/1/99.
  24. Health Risks from Carbon Disulfide Exposure in Southern Alabama, NIH, J. Perkins, PI, \$50,000, 33% effort, not funded.
  25. An Outreach and Continuing Education Program for the Lower Rio Grande Valley, South Texas Initiative, J. Perkins, PI, \$25,000, 5% effort 6/1/97-8/31/97.
  26. Provision of Public Health Services to Under served Regions through Student Practica, Area Health Education Council, J. Perkins, PI, \$63,290, 10% effort, 11/1/97-10/30/98.
  27. An Outreach and Continuing Education Program for the Lower Rio Grande Valley, South Texas Initiative, J. Perkins, PI, \$100,000, 12% effort 1/1/98-8/31/99.
  28. Predoctoral Training in Family Medicine, UTHSCSA, J. Perkins, PI, \$35,000, 1.5% effort, 7/1/98-6/30/01.
  29. Advanced Public Health Nurse-MSN/MPH, HRSA, D. Grimes PI, 5% effort, \$843,028, 7/1/99-6/30/02.
  30. Pilot phase proposal for a certificate of completion curriculum for international occupational and environmental health, Texaco International, J. Perkins, PI, 10% effort, not funded.
  31. Environmental House Calls, Environmental Protection Agency, \$50,000, investigator, 5% effort, 1/1/99-12/31/00.
  32. Indoor Air Quality in Texas Schools, Texas Higher Education Coordinating Board, co-PI, 12% effort, \$91,690, 9/1/99-8/31/01, not funded.
  33. Southwest Center for Occupational and Environmental Health, NIH/CDC/NIOSH Co-PI, 5% effort, 07/01/2000-06/30/2005.
  34. The Unmeasured Impact of the TB Epidemic on TB Programs, Texas Department of Public Health, PI,

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6% effort, 1/1/02-1/1/03, \$24,000.

35. Centers of Excellence for Environmental Public Health Tracking, CDC, Co-PI, Yr 1:\$673,361, Total:\$2,060,927 10/02-10-05,approved, not funded.
36. EXPORT Center for San Antonio and Southwest Texas, N. Cntr. On Minority Health and Health Disparities, Co-PI, \$7,715,490, 10/1/2003-9/30/2008, approved, not funded.
37. Environmental Health Practice in Lower Rio Grande Valley, Subcontract to UTHSCSA on contract from Centers for Disease Control Hispanic Serving Health Professional Schools, PI, 5% effort, 9/1/03 - 3/1/05,\$10,800.
38. Southwest Center for Occupational and Environmental Health, NIH/CDC/NIOSH Co-PI, 5% effort, 07/01/2005-06/30/2010.
39. A study to evaluate the health effects of air pollution in Bexar County with a focus on the types of emissions associated with coal-fired power plants, PI 35%, City of San Antonio, 06/01/05-05/31/2007, \$227,200.