

Annual Report
July 1, 1990 - June 30, 1991
Department of Epidemiology

I. DEPARTMENT ORGANIZATION AND ADMINISTRATION.

Support Staff

(as of June 30, 1991)

Administrative Staff

Gail King	Administrative Manager
Joyce Allen	Registrar
Nancy Colvin	Assistant Registrar
Carolyn Cooke	Fiscal Manager
Lisa Wicker	Accounting Technician
Stephanie Miller	Accounting Technician
Phyllis Johnson	Administrative Assistant
Lesa McPherson	Administrative Secretary V

Secretarial Staff

Virginia Reid	Secretary to the Chair
Edna Lennon	Secretary IV
Betsy Seagroves	Secretary IV
Mimi Haebig	Secretary IV
Carmen Woody	Secretary IV
Jane Foust	Secretary IV
Carol Morton	Secretary IV
Anne Crumpler	Secretary IV

Research Staff

Jo Heiss	Research Associate
Marilyn Knowles	Social Research Assistant
Catherine Paton	Social Research Assistant
Susanne Wolf	Research Associate
Baldev Krishan	Social Research Assistant
Eloise Parrish	Research Technician

Data Processing Staff

Terry Hudgins	Applications Analyst Programmer
Robert Kleckner	Applications Analyst Programmer
Veda Manley	Data Processing Coordinator
Vic Rhodes	Applications Analyst Programmer
Joy Wood	Applications Analyst Programmer
Eileen Gregory	Applications Programmer
Richard Howard	Applications Analyst Programmer

Employee Terminations

Amanda Briggs	Accounting Technician
Manjoo Mittal	Social Research Associate
Gail Bundy	Secretary IV
Carol Johnson	Secretary IV
Brian Rice	Applications Programmer

II. INSTRUCTIONAL PROGRAMS

1. Major changes during the year.

The addition of laboratory-based faculty from the former Department of Parasitology and Laboratory Practice has permitted expansion of the infectious disease area and incorporation of laboratory research.

2. New programs.

During the 1990-91 academic year a new laboratory-based program was developed within the area of infectious disease epidemiology. Drawing on the expertise of the faculty from Parasitology, the new program is designed to attract students with preparation in the laboratory sciences who are interested in an epidemiology degree with a laboratory emphasis. A number of new courses are under development in connection with this program, including a course in Public Health Microbiology designed for both laboratory-based and population-based students in infectious disease epidemiology.

III. RESEARCH PROGRAMS

A. Major research and training funds received during the year.

Baric, Ralph, "Grant-In-Aid: Rabbit Coronavirus and Dilated Induced Myocarditis Cardiomyopathy", \$37,510. American Heart Association.

Fredrickson, Doren D., "WIC Breastfeeding Promotion", 09/01/90--04/30/92, \$24,397. Environment, Health, and Natural Resources.

Hall, J. Ed, "Metabolism of the Anti-Pneumocystis Drug Pentamidine", 03/01/90--08/31/91, \$60,000. American Foundation AIDS Research.

Heiss, Gerardo, "Atherosclerosis Risk In Communities - Field and Ultrasound Reading Center", 09/01/85--08/31/93, \$3,538,322. NHLBI.

Heiss, Gerardo, "Coronary Heart Disease and Stroke In People Aged 65 to 84 Years", 06/01/88-06/30/94, \$47,685. Bowman Gray, Wake Forest University.

Heiss, Gerardo, "Postprandial Lipoproteins and Atherosclerosis/Core" 07/01/90--04/30/93, \$426,093. NHLBI.

Hulka, Barbara S., "Biochemical Markers in Epidemiology", \$328,000.

Hulka, Barbara S., "Cancer Training Grant", 09/01/90--08/31/95, \$184,404. National Cancer Institute.

Hulka, Barbara S., "Rare HA-RAS Alleles and Breast Cancer", 07/01/90--06/30/92, \$72,250. National Cancer Institute.

Ibrahim, Michel A., "John Henryism and Hypertension Risk in Blacks", 07/01/90--12/31/91, \$557,485. NHLBI.

Landis, Suzanne, "UNC AIDS Clinical Study Group - Project 6", 09/01/90-08/31/91, \$66,138. National Institute of Allergy and Infectious Diseases.

- Loomis, D/Runyan C, "Occupational Motor Vehicle Crash Fatalities In NC - 1979 - 1988", 06/27/90--12/31/90, \$9,956. CDC/NIOSH.
- Loomis, Dana, "University Faculty Research Grant", \$05/01/90--04/30/92, \$1,000. UNC Alumni Annual Giving.
- McCann, Meg F., "Analysis of NC's Pregnancy Nutrition Surveillance Data", 08/01/90--07/31/91, \$24,150. Environment, Health, and Natural Resources.
- Savitz, David A., "Analysis of Electrical Wiring Configurations in Denver: Relations with Magnetic Fields", 04/15/91--04/30/92, \$20,000. U.S. Dept of Energy.
- Savitz, David A., "Effect of Exposure to Mercury Vapor/Nitrous Oxide on Risk of Spontaneous Abortion", 01/01/90--06/30/91, \$25,000. March of Dimes.
- Savitz, David A., "Electrical Wiring", 04/15/91--04/30/92, \$30,000. U.S. Dept of Energy.
- Savitz, David A., "Epidemiology of Pregnancy Outcome in a Textile Community", 03/01/88--02/28/93, \$101,164. National Institute of Child Health and Human Development.
- Savitz, David A., "Phenoxy Herbicides", 05/01/91--04/30/94, \$101,617. National Institute of Environmental Health Sciences.
- Savitz, David A., "Utility Workers Exposed to Electrical and Magnetic Fields", 01/01/91--12/31/91, \$1,000,000 Electric Power Research Institute.
- Shy, Carl M., "Comprehensive Epidemiology of DOE Workers", 10/01/90--09/30/91, \$312,803. Oak Ridge Assoc University.
- Shy, Carl M., "Health Effects of Chlorine", 09/01/90--02/29/92, \$72,230. National Cancer Institute.
- Shy, Carl M., "Mobilization of Lead From Blood During Menopause", 09/18/90--09/30/91, \$25,000. Centers for Disease Control.
- Shy, Carl M., "Occupational Cancer In Workers - Dusty Trades", 02/12/91-06/28/91, \$12,000. Environmental Protection Agency.
- Stamm, Lola V., "Antibody Access Cell Surface - Proteins of Virulent B Burgdorferi - ID and Evaluation of Vaccines", 06/01/90--11/30/92, \$24,995. NC Biotech Center.
- Stamm, Lola V., "Surface and Extracellular Antigens of T Pallidum", 07/01/90 - 06/30/91, \$101,081. National Institute of Allergy and Infectious Diseases.
- Tyroler, Herman A., "Cardiovascular Epidemiology Training Grant", 06/01/90--05/31/92, \$78,800. National, Heart, Lung, and Blood Institute.
- Tyroler, Herman A., "Charleston Heart Study", 01/01/91--12/31/92. Subcontract from Medical University of South Carolina/National Heart, Lung, and Blood Institute.
- Weigle, Kristen A., "Immunization Demonstration Project", 07/15/90--07/14/91, \$196,049. Centers for Disease Control.
- Weigle, Kristen A., "Interdisciplinary Studies of Leishmaniasis", 04/01/91--03/31/92, \$46,854. Subcontract from CIDEIM/National Institute of Allergy and Infectious Diseases. Institutes of Health.
- Wing, Steve B., "Community Structure and Cardiovascular Mortality Trends", 06/01/89--05/31/92, \$591,656. National Heart, Lung, and Blood Institute.
- Wing, Steve B., "Community Structure and Cardiovascular Mortality Trends - Minority Invest Research Center", 07/15/90--05/31/92, \$41,381. National Heart, Lung, and Blood Institute.

B. Notable publications of the faculty:

Tim Aldrich, PhD

Aldrich T, Lindsey J, Morris P. A Report of Cancer Cluster Investigations in North Carolina. Center for Health and Environmental Statistics Report #49, Pub. DEHNR, Raleigh, NC, 1991.

Ralph Baric, PhD

Baric RS, Fu K, Schaad MC, Stohlman SA. Establishing a Genetic Recombination Map for Murine Coronavirus Strain A59 Complementation Groups. *Virology* 177:646-656, 1990.

Harry A. Guess, MD, PhD

Guess HA, Trippel SJ, Corder EH, Broughton DD, Melton LJ III. Invasive Haemophilus Influenzae Infections Among Children in Rochester, Minnesota: A Population-Based Study. *Paediatric and Perinatal Epidemiology* 4:458-463, 1990.

Guess HA, Arrighi HM, Metter EJ, Fozard JL. The Cumulative Prevalence of Prostatism Matches the Autopsy Prevalence of Benign Prostatic Hyperplasia. *The Prostate* 17(3):241-246, 1990.

Guess HA. Vasectomy and Prostate Cancer. *American Journal of Epidemiology* (Invited Commentary) 132:1062-1065, 1990.

Guess HA. The Role of Epidemiology in Pharmaceutical Research, Development, and Marketing. In: Pharmacoepidemiology - An Introduction. 2nd Edition. AG Hartzema, MS Porta, HH Tilson (Eds). Harvey Whitney. Cincinnati, Ohio, pp. 321-329, 1991.

J. Ed Hall, PhD

Blagburn BL, Sundermann CA, Lindsay DS, Hall JE, Tidwell RR. Inhibition of Cryptosporidium parvum in neonatal Hsd: (ICR) BR Swiss mice by polyethers and aromatic amidines. *Antimicrob Agents Chemother* 35:1520-1523, 1991.

Bell CA, Corey M, Fairley TA, Hall JE, Tidwell RR. Structure-activity Relationships of Pentamidine Analogs Against Giardia Lamblia and Correlation of Antigiardial Activity with DNA Binding Affinity. *Antimicrob Agents Chemother* 35:1099-1107, 1991.

Berger BJ, Reddy VV, Le St, Lombardy RJ, Hall JE, Tidwell RR. The Hydroxylation of Pentamidine by Rat Liver Microsomes. *J Pharmacol Exp Ther* 256:883-889, 1991.

Berger BJ, Lombardy RJ, Marbury GD, Bell CA, Dykstra CC, Hall JE, Tidwell RR. Metabolic N-Hydroxylation of Pentamidine in Vitro. *Antimicrob Agents Chemother* 34:1678-1684, 1990.

Jones SK, Hall JE, Allen MA, Morrison SD, Ohemeng KA, Reddy VV, Geratz JD, Tidwell RR. Novel pentamidine analogs in the treatment of experimental Neumocystis Carinii Pneumonia. *Antimicrob Agents Chemother* 34:1026-1030, 1990.

Bell CA, Hall JE, Kyle DE, Grogl M, Ohemeng KA, Allen MA, Tidwell RR. Structure-Activity Relationships of Analogs of Pentamidine Against Plasmodium Falciparum and Leishmania Mexicana Amazonensis. *Antimicrob Agents Chemother* 34:1381-1386, 1990.

Berger BJ, Hall JE, Tidwell RR. The Distribution of Multiple Doses of Pentamiding in Rats. *Pharmacol Toxicol* 66:234-236, 1990.

Tidwell RR, Jones SK, Geratz JD, Ohemeng KA, Cory M, Hall JE. Analogs of 1,5-di (4-amidinophenoxy) Pentane (pentamiding) in the Treatment of Experimental Pneumocystis Carinii Pneumonia. *J Med Chem* 33:1252-1257, 1990.

Sioban Harlow, PhD

Harlow SD and Matanoski GM. The Association Between Weight, Physical Activity and Stress and Length of the Menstrual Cycle. *American Journal of Epidemiology* 133:38-49, 1991.

Harlow SD and Linet MS. Re: Agreement Between Questionnaire Data and Medical Records: The Evidence for Accuracy of Recall (Letter). *American Journal of Epidemiology* 133(4):409-410, 1991.

Gerardo Heiss, MD, MSc, PhD

Heiss G, Sharrett AR, Barnes R, Chambless LE, Szklo M, Alzola C, and the ARIC Investigators. Carotid Atherosclerosis Measured by B-Mode Ultrasound in Populations: Associations with Cardiovascular Risk Factors in the ARIC Study. *American Journal of Epidemiology* 134(3):250-256, 1991.

Irva Hertz-Picciotto, PhD

Hertz-Picciotto I, Hopenhayn-Rich C, Golub M, Hooper K. The Risks and Benefits of Taking Aspirin During Pregnancy. *Epidemiol Rev* 12:108-148, 1990.

Hertz-Picciotto I, Holtzman D. Dose-Response Relationship Between Arsenic Inhalation Exposure and Risk of Lung Cancer. *Adv Risk Anal* 9:137-143, 1991.

Hertz-Picciotto I. Re: Agreement Between Questionnaire Data and Medical Records: The Evidence for Accuracy of Recall (Letter). *Am J Epidemiol* 133:408-409, 1991.

Barbara S. Hulka, MD, MPH

Schwartz GG, Hulka BS. Is Vitamin D Deficiency a Risk Factor for Prostate Cancer? *Anticancer Research* 10(5):1307-1311, 1990.

Hulka BS. Principles of Bladder Cancer Screening in an Intervention Trial. *Journal of Occupational Medicine* 32(9):812-816, 1990.

Hulka BS. Hormone Replacement Therapy and the Risk of Breast Cancer. *Ca-A Cancer Journal for Clinicians* 40(5):289-296, 1990.

Hulka BS, Griffith J, Wilcosky TC, Vine MF, Lucier GW, Schwartz GG, McFarland, LT, Goldring JM, Rynard SM. *Biological Markers in Epidemiology*, Hulka BS, Wilcosky TC, Griffith J, (Eds.) Oxford University Press, New York, 1990.

Hulka BS. Chapter 1. Overview of Biological Markers. In: Biological Markers in Epidemiology, Hulka BS, Wilcosky TC, Griffith J, (Eds.) Oxford University Press, New York, 1990.

Hulka BS. Chapter 11. Methodologic Issues in Molecular Epidemiology. In: Biological Markers in Epidemiology, Hulka BS, Wilcosky TC, Griffith J, (Eds.) Oxford University Press, New York, 1990.

Hulka BS. Using Biomarkers: Views from an Epidemiologist. *Health and Environment Digest* 5(7):1-5, Aug/Sept. 1991.

Berton H. Kaplan, PhD

Broadhead WE and Kaplan BH. Social Support and the Cancer Patient. *Cancer* 67:794-799, 1991.

Social Environment and Social Support. *Cancer* 67:788-793, 1991.

Suzanne Landis, PhD

Plant T, Landis S, Trevor J. Combining Sociology with Epidemiology: Community-Oriented Primary Care in a Rural Mountain County. *Clin Sci Rev* 9:87-105, 1991.

Dana P. Loomis, PhD

Loomis DP. Occupation, Industry and Motor Vehicle Crash Fatalities in 20 States, 1986-1987. *Am J Pub Health* 81:733-735, 1991.

Collman GW, Loomis DP, Sandler DP. Childhood Cancer Mortality and Radon Concentration of Drinking Water in North Carolina. *Br J Cancer* 63:626-629, 1991.

Loomis DP, Savitz DA. Occupation and Leukemia Among Men in 16 States, 1985-1987. *Am J Ind Med* 19:509-521, 1991.

Loomis DP, Shy CM, Allen JW, Saccomanno G. Micronuclei in Epithelial Cells from Sputum of Uranium Workers. *Scand J Work, Environ, Health* 16:355-362, 1990.

Loomis DP, Savitz DA. Brain Cancer and Leukemia Mortality Among Electrical Workers. *Br J Ind Med* 47:633-638, 1990.

Beth Newman, PhD

Selby JV, Newman B, Quesenberry CP, Fabsitz RR, Carmelli D, Meaney FJ, Slemenda C. Genetic and Environmental Influences on Body Fat Distribution. *International Journal of Obesity* 14:593-602, 1990.

Hall JM, Lee MK, Newman B, Morrow JE, Anderson LA, Huey B, King MC. Linkage of Early-Onset Familial Breast Cancer to Chromosome 17q21. *Science* 250:1684-9, 1990.

Selby JV, Newman B, Quiroga J, Christian JC, Austin MA, Fabsitz RR. Concordance for Dyslipidemic Hypertension in Male Twins. *JAMA* 265:2079-84, 1991.

Louis LG, Newman B, King M-C. Influence of Host Genotype on Progression to AIDS Among HIV-Infected Men. *Journal of AIDS* 4:814-8, 1991.

Newman B, Quesenberry CP, King M-C, Selby JV, Friedman GD. Early Identical Twin Studies: Response from Newman, et al (letter). *American Journal of Public Health* 81:112-3, 1991.

David A. Savitz, PhD

Savitz DA, Chen J. Parental Occupation and Childhood Cancer: Review of Epidemiologic Studies. *Environmental Health Perspectives* 88:325-37, 1990.

- Savitz DA, Harlow SD. Selection of Reproductive Health Endpoints for Environmental Risk Assessment. *Environmental Health Perspectives* 90:159-64, 1991.
- Flynn MR, West S, Kaune WT, Savitz DA, Chen C-C, Loomis DP. Validation of Expert Judgement in Assessing Occupational Exposure to Magnetic Fields in the Utility Industry. *Applied Industrial Hygiene* 6:141-5, 1991.
- Savitz DA, Whelan EA, Rowland AS, Kleckner RC. Maternal Employment and Reproductive Risk Factors. *American Journal of Epidemiology* 132:933-45, 1990.
- John EM, Savitz DA, Sandler DP. Prenatal Exposure to Parents' Smoking and Childhood Cancer. *American Journal of Epidemiology* 133:123-32, 1991.
- Savitz DA, Blackmore CA, Throp JM. Epidemiology of Preterm Delivery: Etiologic Heterogeneity. *American Journal of Obstetrics and Gynecology* 164:467-71, 1991.
- Albers LL, Savitz DA. Hospital Setting and Fetal Death During Labor Among Low-Risk Women. *American Journal of Obstetrics and Gynecology* 164:868-73, 1991.
- Savitz DA (Contributor). U.S. Department of Health and Human Services. The Health Benefits of Smoking Cessation. U.S. DHHS, PHS, CDC, Office on Smoking and Health. DHHS Publication No. (CDC) 90-8416, 1990.
- Alderman BW, Savitz DA. Considerations in the Use of Antecedent Variables as Surrogates for Unmeasured Confounders. *American Journal of Epidemiology* 132:781, 1990.
- Savitz DA, Schwingl PJ. Influence of Paternal Age, Smoking, and Alcohol Consumption on Congenital Anomalies. *American Journal of Epidemiology* 132:763, 1990.
- Keels MA, Savitz DA, Stamm JW. Cigarette Smoking in the Etiology of Oral Clefts. *American Journal of Epidemiology* 132:763-764, 1990.
- Savitz DA, Kelsey JL. Response to Feinstein. *Epidemiology* 2:61-3, 1991.
- Savitz DA. Electric Current and Health. Review of "Currents of Death: Power Lines, Computer Terminals, and the Attempt to Coverup Their Threat to Health" by Paul Brodeur. *Journal of the American Medical Association* 264:636-7, 1990.

Victor Schoenbach, PhD

- Wagner EH, Schoenbach VJ, Orleans CY, Grothaus LC, Saunders KW, Curry S, Pearson DC. Participation in a smoking cessation program: a population-based perspective. *Am J Prev Med* 1990; 6:258-266.
- Stange KC, Strogatz D, Schoenbach VJ, Shy C, Dalton B, Cross AW. Demographic and health characteristics of participants and non-participants in a worksite health-promotion program. *Journal of Occupational Medicine* 1991;33(4):474-478.
- Orleans CT, Schoenbach VJ, Wagner EH, Quade D, Salmon MA, Pearson DC, Fiedler J, Porter CQ, Kaplan BH. Self-Help Quit Smoking Interventions: Effects on Quitting Processes and Outcomes. *Journal of Consulting and Clinical Psychology* 1991;59:439-448.

JoEllen Schildkraut, PhD

- Schildkraut JM, Hulka BS, Wilkinson WE. Oral Contraceptives and Breast Cancer: A Case-Control Study with Hospital and Community Controls. *Obstet Gynecol* 76:395, 1990.

Schildkraut JM, Hulka BS. Oral Contraceptives and Breast Cancer: A Case-Control Study with Hospital and Community Controls. (Letter) *Obstet Gynecol* 76:1146-47, 1990.

Richard Seed, PhD

Seed JR, Sechelski JB, Loomis MR. A Survey for a Trypanocidal Factor in Primate Sera. *Journal of Protozoology* 37:393-400, 1990.

Carl Shy, MD, MPH, DrPH

Shy CM. Lead in Petrol: The Mistake of the XXth Century. *Rapp Trimest Statist Sant Mond* 43:168-176, 1990.

Shy CM. Progress and Public Health: Lessons from Environmental Lead. *Environ Impact Assess Rev* 10:417-431, 1990.

Lola Stamm, PhD

Gherardini RC, Hobbs MH, Stamm LV, Bassford PR Jr. Complementation of an *Escherichia coli* proC mutation by a gene cloned from *Treponema pallidum*. *J Bacteriol* 172:2996-3002, 1990.

Stamm LV, Parrish EA, Gherardini FC. Cloning of the *recA* gene from a free-living leptospire and distribution of RecA-like protein among spirochetes. *Appl Environ Microbiol* 57:183-189, 1991.

Stamm LV, Gherardini FC, Parrish EA, Moomaw CR. Heat shock response of spirochetes. *Infect Immun* 59:1572-1575, 1991.

Hubbard CL, Gherardini FC, Bassford PJ, Stamm LV. Molecular cloning and characterization of a 35.5 kilodalton lipoprotein of *Treponema pallidum*. *Infect Immun* 59:1521-1528, 1991.

Herman A. Tyroler, MD

Tyroler HA: Serum lipoproteins as risk factors: recent epidemiologic studies in individuals with and without prevalent cardiovascular disease. *European Heart Journal* 11(supplement H):21-25, 1990.

Tyroler HA: Serum lipoproteins as risk factors: recent epidemiologic studies in individuals with and without prevalent cardiovascular disease. *European Heart Journal* 11(Suppl H):21-25, 1990.

Keil JE, Tyroler HA, Gazes PC: Predictors of coronary heart disease in blacks. In *Cardiovascular Diseases in Blacks*, E. Saunders and AN Brest (eds.), F. A. Davis Company, Philadelphia, PA, 1991, pp. 227-239.

Marilyn F. Vine, PhD

Vine MF, Hulka BS, Koch GG, Schoenbach VJ, Samsa G. Evaluation of Sputum Cytology in the Detection of Bronchogenic Carcinoma and Atypical Metaplasia. *Am J Epidemiol* 132:814, 1990.

Vine MF. Markers of Exposure and Susceptibility. First International Searle-Symposium on Prevention and Epidemiology, Ulm, Germany, July 1990, pp. 97-99.

Vine MF, Hulka BS, Everson RB, Margolin BH, Hu E, McCann M. Cotinine Levels in Blood, Urine, and Semen of Smokers and Nonsmokers. *Arch Environ Health* 46(2):121, 1991.

David J. Weber, M.D., M.P.H.

Buehrer J, Weber DJ, Meyer AA, Becherer PR, Rutala WA, Wilson B, Smiley MA, White GC. Wound Infection Rates Following Invasive Procedures in Hemophiliacs as a Function of HIV Status. *Ann Surg* 211:492-498, 1990.

Weber DJ, Rutala WR, Wilson B, Thomann C. Manual Ventilation Bags as a Source for Bacterial Colonization of Intubated Patients. *Am Rev Respir Dis* 142:892-894, 1990.

Cole EC, Rutala WA, Nessen L, Gambling TM, Wannamaker NS, Weber DJ. Evaluation of Two Disinfectant Tests for Assessing the Tuberculocidal Activity of Glutaraldehyde-Based Disinfectants. *Applied Environ Microbiol* 56:1813-1817, 1990.

Himmelberg C, Pleasants RA, Weber DJ, Kessler JM, Samsa GP, Spivey JM, Morris TL. Use of Antimicrobial Drugs Before and After Removal of a Restriction Policy. *Am J Hosp Pharmacy* 48:1220-1227, 1991.

Hoffman KK, Weber DJ, Rutala WA. Infection Control Strategies Relevant to Employee Health. *American Association of Occupational Health Nurses Journal* 38:167-181, 1991.

Rutala DR, Rutala WA, Weber DJ, Thomann CA. Infection Risks Associated with Spirometry. *Infect Control Hosp Epidemiol* 12:89-92, 1991.

O'Gorman MRG, Weber DJ, Landis SE, Schoenbach VJ, Mittal M, Folds JD. Interpretive Criteria of the Western Blot Assay for Serodiagnosis of HIV-1 Infection. *Arch Pathol* 115:26-30, 1991.

Rutala WA, Clontz EP, Weber DJ, Hoffman KK. Disinfection Practices for Endoscopes and Other Semicritical Items. *Infect Control Hosp Epidemiol* 12:282-288, 1991.

Weber DJ, Rutala WA, Orenstein W. Prevention of Mumps, Measles, and Rubella Among Hospital Personnel. *J Pediatr* 119:322-325, 1991.

Rutala WA, Weber DJ, Maki DG. Infectious Waste: Dissonance Between Science and Policy. *New Engl J Med* 325:578-582, 1991.

Weinberg AN, Weber DJ (eds). Animal-Associated Human Infections. *Infectious Disease Clinics of North America* 5 (number 2), 1991.

Weber DJ, Gammon W, Cohen MS. Cutaneous Manifestation of Life-Threatening Infections. In: Principles and Practices of Infectious Diseases. Second Edition. Mandel G. (Ed). Churchill Livingstone, New York, 1990.

Weber DJ, Rutala WA. Public Health for Medical Staff. In Textbook of Gastroenterology. Yamada T (ed). J.B. Lippincott Co., Philadelphia, PA, 1991.

Weber DJ, Walker DH. Rocky Mountain Spotted Fever. In Infectious Diseases Clinics of North America 5(2):19-36, 1991.

Kristen Weigle, MD, ScM

Saravia NG, Weigle KA, Segura I, Giannini SH, Pacheco R, Labrada LA, Goncalves A. Recurrent lesions in human Leishmania braziliensis infection -- reactivation or reinfection? *Lancet*, 336:398-402, 1990.

Weigle KA, Valderrama L, Arias LA, Santrich C, Saravia NG: Leishmanin Skin Test Standardization and Evaluation of Safety, Dose, Storage, Longevity of Reaction and Sensitization. *Am. J. Trop. Med. Hyg.*, 44:260-271, 1991.

Steven B. Wing

Wing S, et al: Mortality Among Workers at Oak Ridge National Laboratory: Evidence of Radiation Effects in Follow-up Through 1984. *Journal of the American Medical Association* 265:1397-1402, 1991.

V. FACULTY

A. List of Faculty [* indicates primary of multiple academic appointments]

1. Full-Time Faculty

Ralph S. Baric, Assistant Professor
 Caroline Becker (Emeritus), Associate Professor
 J. Ed Hall, Associate Professor
 Sioban Harlow, Research Assistant Professor
 Gerardo Heiss, Professor
 Irva Hertz-Picciotto, Assistant Professor
 Barbara S. Hulka, *Kenan Professor & Chair, Epidemiology
 Clinical Professor, Family Medicine
 Adjunct Professor of Community and Family
 Medicine, Duke University Medical Center
 Michel A. Ibrahim, DEAN, School of Public Health
 *Professor, Epidemiology
 Professor, Social and Administrative Medicine
 Berton H. Kaplan, Professor
 Dave Kleinbaum, Professor
 *Professor, Biostatistics
 Suzanne Landis, *Research Assistant Professor
 Clinical Assistant Professor, Medicine
 Dana Loomis, Research Assistant Professor
 Beth Newman, Assistant Professor
 David A. Savitz, Associate Professor
 Joellen Schildkraut, Research Assistant Professor
 Victor J. Schoenbach, Associate Professor
 J. Richard Seed, Professor
 Cecil G. Sheps (Emeritus), Professor, Epidemiology
 *Professor, Social and Administrative Medicine
 Carl M. Shy, *Professor, Epidemiology
 Professor, Environmental Sciences and Engineering
 Clinical Professor, Family Medicine
 Lola Stamm, Assistant Professor
 James Thomas, Assistant Professor
 Herman A. Tyroler, Alumni Distinguished Professor
 Marilyn Vine, Research Assistant Professor
 David Weber, *Assistant Professor, Medicine
 Assistant Professor, Epidemiology
 Kristen Weigle, Assistant Professor
 Steven B. Wing, Research Assistant Professor

2. Part-Time Faculty

Margaret F. McCann, Research Assistant Professor

3. Visiting Faculty

Shimon Weitzman, M.D., Visiting Associate Professor
 Drora Fraser, Ph.D., Visiting Assistant Professor

4. Adjunct and Fixed-Term Joint Appointments

Dragana Andjelkovich, Adjunct Associate Professor
 Donna Baird, Adjunct Assistant Professor
 James Beck, Adjunct Assistant Professor
 Dan German Blazer, Adjunct Professor
 Brian A. Boehlecke, Clinical Associate Professor
 W. Eugene Broadhead, Adjunct Assistant Professor
 James Trig Brown, Adjunct Assistant Professor
 Douglas S. Campbell, Adjunct Assistant Professor
 Thomas Cole, Adjunct Assistant Professor
 Gwen Collman, Adjunct Assistant Professor
 Joan Cornoni-Huntley, Adjunct Professor
 John R. Crouse, Adjunct Associate Professor
 Clin. Professor, Medicine and Family Medicine
 *Adjunct Prof., Social and Administrative Medicine
 Gordon H. DeFriese, Clinical Professor, Epidemiology
 *Professor, Social and Administrative Medicine
 Richard B. Everson, Adjunct Professor
 Judith A. Fortney, Adjunct Associate Professor
 Jean French, Adjunct Professor
 Richard C. Graves, Research Associate Professor
 Raymond S. Greenberg, Adjunct Associate Professor
 Jack Griffith, Adjunct Professor
 Harry A. Guess, Adjunct Professor
 Kathryn Magruder-Habib, Adjunct Assistant Professor
 Curtis G. Hames, Clinical Professor
 Russell P. Harris, Adjunct Assistant Professor
 *Research Assistant Professor, Medicine
 Carl G. Hayes, Adjunct Professor
 Siegfried H. Heyden, Adjunct Professor
 Michael Hogan, Adjunct Associate Professor
 Sherman James, Adjunct Professor
 Rodney Jackson, Adjunct Assistant Professor
 Eric S. Johnson, Adjunct Assistant Professor
 Ulrich Keil, Adjunct Professor
 Richard J. Levine, Adjunct Associate Professor
 Gory Love, Adjunct Associate Professor
 J. Newton MacCormack, Adjunct Professor
 Melinda S. Meade, Adjunct Professor, Epidemiology
 *Professor, Geography
 George R. Parkerson, Adjunct Professor
 Miquel Porta, Adjunct Associate Professor
 Walter J. Rogan, Adjunct Associate Professor
 Desmond K. Runyan, Clinical Assistant Professor
 Gregory Samsa, Adjunct Assistant Professor
 Dale Sandler, Adjunct Associate Professor
 Robert S. Sandler, Clinical Associate Professor Epidemiology
 *Associate Professor, Medicine
 David Sheps, Clinical Professor
 Philip Sloane, Clinical Associate Professor
 C. Gregory Smith, Adjunct Assistant Professor
 John Stamm, Adjunct Professor
 *Professor and Dean, Dentistry

Patricia Tennis, Adjunct Assistant Professor
Hugh H. Tilson, Adjunct Professor
James F. Toole, Adjunct Professor
Edward H. Wagner, Clinical Professor
Allen J. Wilcox, Adjunct Professor
Mark E. Williams, Clinical Associate Professor, Epidemiology
*Associate Professor, Medicine
Bonnie C. Yankaskas, Adjunct Assistant Professor

B. Changes During the Year.

1. Additions, effective 1990/91
Frank V. Crout, Adjunct Assistant Professor
Elizabeth Andrews, Adjunct Assistant Professor
Debroah Dawson, Adjunct Assistant Professor
Robert Fletcher, Adjunct Professor
JoAnne Garrett, Research Instructor
Irva Hertz-Picciotto, Assistant Professor
Nancy S. Hunter, Adjunct Assistant Professor
Lorraine Johnson, Adjunct Assistant Professor
Peter Margolis, Adjunct Assistant Professor
Neil MacKenzie, Adjunct Associate Professor
Wilbur Milhous, Adjunct Associate Professor
Dexter (Tony) Morris, Adjunct Assistant Professor
Beth Newman, Assistant Professor
Carol Runyan, Adjunct Associate Professor
Ilene Siegler, Adjunct Associate Professor
Christine Uhlinger, Adjunct Assistant Professor
Hetty Waskin, Adjunct Assistant Professor
Redford Williams, Adjunct Professor
Jane Weintraub, Adjunct Associate Professor
2. Promotions, effective 1990/91
None
3. Changes in Rank:
None
4. Leaves:
None
5. Losses: Resignations
Siboan Harlow, Research Assistant Professor,
effective 06/30/91
James Higgins, Adjunct Assistant Professor,
effective 06/30/91
Michael Rosenberg, Adjunct Associate Professor,
effective 06/31/91
Losses: Retirement
None

C. HONORS AND AWARDS:

H. A. Tyroler, MD

The Edward G. McGavran Award for Excellence in Teaching, School of Public Health,
University of North Carolina, May 1991.

Barbara S. Hulka, MD, MPH

Distinguished Achievement Award from the American Society of Preventive Oncology,
1991.

