

## BIOGRAPHICAL SKETCH

NAME <b>Dale D. Hancock</b>		POSITION TITLE <b>Professor</b>	
EDUCATION/TRAINING ( <i>Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.</i> )			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
<b>Texas A &amp; M University</b>	<b>BS</b>	<b>1974</b>	<b>Veterinary Science</b>
<b>Texas A &amp; M University</b>	<b>DVM</b>	<b>1975</b>	<b>Veterinary Medicine</b>
<b>The Ohio State University</b>	<b>MS</b>	<b>1981</b>	<b>Epidemiology</b>
<b>The Ohio State University</b>	<b>PhD</b>	<b>1983</b>	<b>Epidemiology</b>

### PROFESSIONAL POSITIONS

- Ambulatory Resident, College of Veterinary Medicine, The Ohio State University, 1975-76.
- Associate General Practitioner, Scott Veterinary Hospital, Stephenville Texas, 1976-78.
- Graduate Research Associate, Ohio Agricultural Research and Development Center, Department of Veterinary Science, 1978-83.
- Assistant Professor, College of Veterinary Medicine, Mississippi State University, 1983-84.
- Assistant Professor, Department of Veterinary Clinical Medicine and Surgery, College of Veterinary Medicine, 1984-1990.
- Visiting epidemiologist for the National Animal Health Monitoring System in Ft. Collins, CO (under USDA-APHIS-Veterinary Services), Sept., 1992- March, 1993.
- Associate Professor, Department of Veterinary Clinical Medicine and Surgery, College of Veterinary Medicine, 1990-1998.
- Professor, Department of Veterinary Clinical Medicine and Surgery, College of Veterinary Medicine, 1998-present..

### PUBLICATIONS (since 1997, student trainees underlined>)

1. **Hancock-D-D.** Rice-D-H. Herriott-D-E. Besser-T-E. Ebel-E-D. Carpenter-L-V. Effects of farm manure handling practices on *Escherichia coli* O157 prevalence in cattle. J Food Protection 60:363-366, 1997.
2. **Hancock, D.D.**, T.E. Besser, D.H. Rice, D.E. Herriott, and P.I. Tarr. Longitudinal Study of *Escherichia coli* O157 in fourteen cattle herds. Epidemiol. Infect. 118:193-5, 1997.
3. **Hancock-D-D.** Rice-D-H. Thomas-L-A. Dargatz-D-A. Besser-T-E.: Epidemiology of *Escherichia coli* O157 in feedlot cattle. J Food Protection. 60:462-465, 1997.
4. Dargatz-D-A. Wells-S-J. Thomas-L-A. **Hancock-D-D.** Garber-L-P.: Factors associated with the presence of *Escherichia coli* O157 in feces of feedlot cattle. J Food Protection. 60:466- 470, 1997
5. Besser-T-E. Gay-C-C. Gay-J-M. **Hancock-D-D.** Rice-D, Pritchett-L-C. Erickson-E-D.: Salmonellosis associated with *S typhimurium* DT104 in the USA [letter].Vet-Rec. 140:75, 1997.

6. Keene-W-E. Sazie-E. Kok-J. Rice-D-H. **Hancock-D-D**. Balan-V-K. Zhao-T. Doyle-M-P. An outbreak of *Escherichia coli* O157:H7 infections traced to jerky made from deer meat. JAMA. 277:1229-31, 1997.
7. Besser-T-E. **Hancock-D-D**. Pritchett-L-C. McRae-E-M. Rice-D-H. Tarr-P-I: Duration of detection of fecal excretion of *Escherichia coli* O157:H7 in cattle. J-Infect-Dis 175:726-9, 1997.
8. Burmeister-J-E. Fox-L-K. **Hancock-D-D**. Gay-C-C. Gay-J-M. Parish-S-M. Tyler-J-W. Gaskins-C-T. Transepidermal water loss of bovine teats. J-Dairy-Res. 63:623-8, 1997
9. **Hancock-D-D**, Lynn-T-V., Besser-T-E., Wikse-S-E., Feasibility of preharvest food safety control. Compendium on Continuing Ed. Prac. Vet. 19:S200-8, 1997.
10. Keene WE, Hedberg K, Herriott DE, **Hancock DD**, McKay RW, Barrett TJ, Fleming DW: A prolonged outbreak of *Escherichia coli* O157:H7 infections caused by commercially distributed raw milk. J Infect Dis. 176:815-818, 1997.
11. Rice DH, **Hancock DD**, Besser TE: Virulence assessment of bovine isolates of *Salmonella dublin*. Veterinary Microbiology 56: MAY 1997, p.111-124.
12. Rice, DH, ED Ebel, **DD Hancock**, TE Besser, DE Herriot, and LV Carpenter. 1997. *Escherichia coli* O157 in cull dairy cows on farm and at slaughter. J Food Protection. 60:1-2.
13. Besser TE, **Hancock DD**, LeJeune JT, Park J-H. Environmental reservoirs of *Escherichia coli* O157:H7 on cattle farms. Korean J. Veterinary Public Health 21(2):165-73, 1997.
14. Besser TE, Rice DH, **Hancock DD**, Richards B: Colonization of calves with *Escherichia coli* O157:H7: Infectious dose and direct contact transmission (submitted). App Env Microbiol,
15. Tarr PI, Besser TE, **Hancock DD**, Keene WE, Goldoft M. Verotoxigenic *Escherichia coli* infection: United States overview. J Food Protection. 60:1466-1471, 1997.
16. Lynn-T-V. **Hancock-D-D**. Besser-T-E. Harrison-J-H. Rice-D-H. Stewart-N-T. Rowan-L-L. The occurrence and replication of *Escherichia coli* in cattle feeds. J Dairy Sci 81:1102-1108, 1998.
17. Krytenburg D, **Hancock DD**, Rice DH, Besser TE, Gay CC. Gay JM. *Salmonella enterica* in cattle feeds from the Pacific Northwest. Animal Feed Sci and Tech. 75:75-79, 1998.
18. **Hancock, DD**, TE Besser, DH Rice, ED Ebel, DE Herriot, and LV Carpenter. Multiple sources of *Escherichia coli* O157 in feedlots and dairy farms in the Pacific Northwest. Prev. Vet. Med. 35:11-19, 1998.
19. Roberson-J-R., Fox-L-K., **Hancock-D-D**, Gay-J-M., Besser- T-E. Sources of intramammary infections from *Staphylococcus aureus* in dairy heifers at first parturition. J Dairy Science.81:687-693, 1998.
20. Tyler-J-W. **Hancock-D-D**. Wiksie-S-E. Holler-S-L. Gay- J-M. Gay-C-C. Use of serum protein concentration to predict mortality in mixed-source dairy replacement heifers. J Vet Int Med 12:79-83, 1998.
21. Herriott DE, DD Hancock, ED Ebel, LV Carpenter, DH Rice, and TE Besser. Association of herd management factors with colonization of dairy cattle by Shiga toxin-positive *Escherichia coli* O157. J. Food Protect, 61(7):.802- 807, 1998.
22. Burmeister-J-E. Fox-L-K. Hillers-J-K. Hancock-D-D. A comparison of two methods of evaluation of teat skin pathology. J Dairy Science, 81(7):1904-1909, 1998.
23. Burmeister-J-E. Fox-L-K. Hillers-J-K. Hancock-D-D. Effects of premilking and postmilking teat disinfectants on teat skin condition. J Dairy Science 81(7):1910-1916, 1998
24. Davis MA, **Hancock DD**, Besser TE, Rice DH, Gay JM, Gay C, Gearhart L, DiGiacomo R. 1999. Changes in antimicrobial resistance among *Salmonella enterica* serovar Typhimurium isolates from humans and cattle in the northwestern United States, 1982-1997. Emerg Infect Dis 5(6):802-6, 1999.
25. Sanderson MW, Besser TE, Gay JM, Gay CC, **Hancock DD**. 1999. Fecal *Escherichia coli* O157:H7 shedding patterns of orally inoculated calves. Vet Microbiol 69(3):199-205, 1999

26. **Hancock DD**, Besser TE, Gill C, Bohach CH Cattle, hay and *E. coli*. (letter) Science 284(5411):51-3, 1999
27. Sofos JN, Kochevar SL, Bellinger GR, Buege DR, **Hancock DD**, Ingham SC, Morgan JB, Reagan JO, Smith GC.. Sources and extent of microbiological contamination of beef carcasses in seven United States slaughtering plants. J Food Prot 62(2):140-5, 1999.
28. McCluskey, BJ, DH Rice, **DD Hancock**, CJ Hovde, TE Besser, S Gray, and RP Johnson. Prevalence of *Escherichia coli* O157 and other verotoxigenic *Escherichia coli* in lambs at slaughter. Journal of Veterinary Diagnostic Investigation. 11: (6) 563-565 NOV 1999 Jan. 1999.
29. Davis MA, **Hancock DD**, Besser TE, Rice DH, Gay JM, Gay C, Gearhart L, DiGiacomo R Changes in antimicrobial resistance among *Salmonella enterica* Serovar Typhimurium isolates from humans and cattle in the Northwestern United States, 1982-1997. Emerg Infect Dis 5(6):802-6, 1999
30. Tyler JW, **Hancock DD**, Thorne JG, Gay CC, Gay JM. Partitioning the mortality risk associated with inadequate passive transfer of colostral immunoglobulins in dairy calves. J Vet Intern Med 13(4):335-7, 1999.
31. Rice, DH, KM McMenamin, LC Pritchett, **DD Hancock**, and TE Besser. Genetic diversity of *Escherichia coli* O157 isolates from 41 Pacific Northwest cattle herds. Epidemiol Infect 122(3):479-84, 1999
32. Tyler JW, **Hancock DD**, Wilson L, Muller F, Krytenberg D, Bradish S Effect of passive transfer status and vaccination with *Escherichia coli* (J5) on mortality in comingled dairy calves. J Vet Intern Med 13(1):36-9, 1999
33. T. E. Besser, M. Goldoft, L. C. Pritchett, R. Khakhria, **D. D. Hancock**, D. H Rice, J. M. Gay, W. Johnson, and C. C. Gay. Multiresistant *Salmonella* Typhimurium DT104 infections of humans and domestic animals in the Pacific Northwest of the United States. Epi & Infection 124:193-200, 2000.
34. Akiba M., Rice DH, Davis MA, Masuda T, Sameshima T, Nakazawa M, **Hancock DD**. 2000. A comparison of *E. coli* O157 isolates from cattle in Japan and the USA by molecular biological methods. Epi Infect. 125:221-224.
35. LeJeune, J., Besser, T. and Rice, D. and **Hancock, D.** Methods for the Isolation of waterborne *Escherichia coli* O157. Lett Appl Microbiol;32(5):316-320, 2001.
36. LeJeune JT, Besser TE, Merrill NL, Rice DH, **Hancock DD**. Livestock drinking water microbiology and the factors influencing the quality of drinking water offered to cattle. J Dairy Sci. 84(8):1856-62, 2001.
37. LeJeune JT, Besser TE, Hancock DD. Cattle water troughs as reservoirs of *Escherichia coli* O157. Appl Environ Microbiol. 67(7):3053-7, 2001.
38. **Hancock DD**, Besser TE, Lejeune J, Davis M, Rice DH. 2001. The control of VTEC in the animal reservoir. Int J Food Micro 66:71-78.
39. Van Donkersgoed, J., Berg, J., Potter, A., **Hancock, D.**, Besser, T. Rice, D., LeJeune, J., and Klanshinsky, S. Environmental sources and transmission of *Escherichia coli* O157 in feedlot cattle Can Vet J 42(9):714-20, 2001.
40. LeJeune JT, **Hancock DD**. Public health concerns associated with feeding raw meat diets to dogs. J Am Vet Med Assoc 219(9):1222-5, 2001.
41. Besser TE, Richards BL, Rice DH, **Hancock DD**. *Escherichia coli* O157:H7 infection of calves: infectious dose and direct contact transmission. Epidemiol Infect. 127(3):555-60, 2001.
42. Davis MA, **Hancock DD**, Besser TE. Multiresistant clones of *Salmonella enterica*: The importance of dissemination. J Lab Clin Med. 2002 Sep; 140(3):135-41.
43. Davis MA, **Hancock DD**, Besser T, Rice DH, Hovde CJ, DiGiacomo R, Samadpour M, Call DR. Correlation between geographic distance and genetic similarity in an international collection of bovine faecal *Escherichia coli* O157:H7 isolates. Epidemiol Infect. 2003 Oct; 131(2):923-30.

44. Davis MA, **Hancock DD**, Rice DH, Call DR, DiGiacomo R, Samadpour M, Besser T. Feedstuffs as a vehicle of cattle exposure to *Escherichia coli* O157:H7 and *Salmonella enterica* Vet Micro 2003; 95(3):199-21
45. Davis MA, **Hancock DD**, Besser TE, Call D. Evaluation of pulsed-field gel electrophoresis as a measure of genetic relatedness between strains of *Escherichia coli* O157:H7 J Clin Microbiol. 2003 May; 41(5):1843-9.
46. Rice DH, **Hancock DD**, Besser TE. Faecal culture of wild animals for *Escherichia coli* O157:H7. Vet Rec. 2003 Jan 18; 152(3):82-3.
47. LeJeune JT, Besser TE, Rice DH, Berg JL, Stilborn RP, **Hancock DD**. Longitudinal study of fecal shedding of *Escherichia coli* O157:H7 in feedlot cattle: predominance and persistence of specific clonal types despite massive cattle population turnover. Appl Environ Microbiol. 2004 Jan; 70(1):377-84.
48. DeFrancesco KA, Cobbold RN, Rice DH, Besser TE, **Hancock DD**. Antimicrobial resistance of commensal *Escherichia coli* from dairy cattle associated with recent multi-resistant salmonellosis outbreaks. Vet Microbiol. 2004 Jan 14; 98(1):55-61.
49. Silk AS, Fox LK, **Hancock DD** Removal of hair surrounding the teat and associated bacterial counts on teat skin surface, in milk, and intramammary infections. J Vet Med B Infect Dis Vet Public Health. 2003 Nov; 50(9):447-50.
50. Biddle MK, Fox LK, **Hancock DD**. Patterns of mycoplasma shedding in the milk of dairy cows with intramammary mycoplasma infection. J Am Vet Med Assoc. 2003 Oct 15; 223(8):1163-6.
51. Fox LK, **Hancock DD**, Mickelson A, Britten A. Bulk tank milk analysis: factors associated with appearance of *Mycoplasma* sp. in milk. J Vet Med B Infect Dis Vet Public Health. 2003 Jun; 50(5):235-40.
52. Khachatryan AR, **Hancock DD**, Besser TE, Call DR. Role of calf-adapted *Escherichia coli* in maintenance of antimicrobial drug resistance in dairy calves. Appl Environ Microbiol, 70(2):752-7.
53. Yearley JH, **Hancock DD**, Mealey KL. Survival time, lifespan, and quality of life in dogs with idiopathic Fanconi syndrome. J Am Vet Med Assoc. 2004 Aug 1; 225(3):377-83.
54. Crandall KD, Roffe TJ, Szymanski M, Dolton M, **Hancock DD**. Presence of *E. coli* O157 and antimicrobial resistance of generic *E. coli* in two groups of bison. Vet Micro submitted
55. Berg J, McAllister T, Bach S, Stilborn R, **Hancock D**, LeJeune. J. *Escherichia coli* O157:H7 excretion by commercial feedlot cattle fed either barley- or corn-based finishing diets. J Food Prot. 2004 Apr; 67(4):666-71.
56. Biddle MK, Fox LK, **Hancock DD**, Gaskins CT, Evans MA. .Effects of storage time and thawing methods on the recovery of *Mycoplasma* species in milk samples from cows with intramammary infections. J Dairy Sci. 2004 Apr; 87(4):933-6.
57. Cobbold RN, Rice DH, Szymanski M, Call DR, **Hancock DD**. Comparison of shiga-toxigenic *Escherichia coli* prevalences among dairy, feedlot, and cow-calf herds in Washington State. Appl Environ Microbiol. 2004 Jul; 70(7):4375-8.
58. Bae W, Kaya KN, **Hancock DD**, Call DR, Park YH, Besser TE. Prevalence and antimicrobial resistance of thermophilic *Campylobacter* spp. from cattle farms in Washington State. Appl Environ Microbiol. 2005 Jan; 71(1):169-74.