

References

References:

- Agrimi, U., G. Ru, et al. (1999). "Epidemic of transmissible spongiform encephalopathy in sheep and goats in Italy." *Lancet* **353**(9152): 560-1.
- Airtime Internet Resources (2001). "Hypotheses for the origin and spread of BSE." <http://sparc.airtime.co.uk/bse/hypoth.htm#15>.
- Alpers, M. (1970). "Kuru in New Guinea: its changing pattern and etiologic elucidation." *American Journal of Tropical Medicine & Hygiene* **19**(1): 133-7.
- Anderson, R. M., C. A. Donnelly, et al. (1996). "Transmission dynamics and epidemiology of BSE in British cattle." *Nature* **382**(6594): 779-88.
- Andreoletti, O., P. Berthon, et al. (2000). "Early accumulation of PrP(Sc) in gut-associated lymphoid and nervous tissues of susceptible sheep from a Romanov flock with natural scrapie." *Journal of General Virology* **81**(12): 3115-26.
- Anil, M. H., S. Love, et al. (1999). "Potential contamination of beef carcasses with brain tissue at slaughter." *Veterinary Record* **145**(16): 460-2.
- Anonymous (1996). "Surveillance for Creutzfeldt-Jakob disease--United States." *MMWR - Morbidity & Mortality Weekly Report* **45**(31): 665-8.
- Belt, P., I. Muileman, et al. (1995). "Identification of five allelic variants of sheep PrP gene and their association with natural scrapie." *Journal of General Virology* **76**(509-517).
- Biopharm (1997). "Assessment of the risk of bovine spongiform encephalopathy in Pharmaceutical Products." <http://www.biopharm-mag.com/resources/pharma0198.htm>.
- Bolton, D. C., M. P. McKinley, et al. (1982). "Identification of a protein that purifies with the scrapie prion." *Science* **218**(4579): 1309-11.
- Borras, T. and C. J. Gibbs, Jr. (1986). "Molecular hybridization studies with scrapie brain nucleic acids. I. Search for specific DNA sequences." *Archives of Virology* **88**(1-2): 67-78.
- Bossers, A., P. Belt, et al. (1997). "Scrapie susceptibility-linked polymorphisms modulate the in vitro conversion of sheep prion protein to protease-resistant forms." *Proceedings of the National Academy of Sciences of the United States of America* **94**(10): 4931-6.
- Bradley, R. (1999). "BSE transmission studies with particular reference to blood." *Developments in Biological Standardization* **99**: 35-40.
- Brown, P. and R. Bradley (1998). "1755 and all that: a historical primer of transmissible spongiform encephalopathy." *BMJ* **317**(7174): 1688-92.
- Brown, P., L. Cervenakova, et al. (1994). "Iatrogenic Creutzfeldt-Jakob disease: An example of the interplay between ancient genes and modern medicine." *Neurology* **44**: 291-293.

References

- Brown, P., L. Cervenakova, et al. (1999). "Further studies of blood infectivity in an experimental model of transmissible spongiform encephalopathy, with an explanation of why blood components do not transmit Creutzfeldt-Jakob disease in humans." *Transfusion* **39**(11-12): 1169-78.
- Brown, P., C. J. Gibbs, et al. (1994). "Human spongiform encephalopathy: the National Institutes of Health series of 300 cases of experimentally transmitted disease." *Annals of Neurology* **35**(5): 513-29.
- Brown, P., P. Rodgers-Johnson, et al. (1984). "Creutzfeldt-Jakob disease of long duration: clinicopathological characteristics, transmissibility, and differential diagnosis." *Annals of Neurology* **16**(3): 295-304.
- Bruce, M., A. Chree, et al. (1994). "Transmission of bovine spongiform encephalopathy and scrapie to mice: strain variation and the species barrier." *Philosophical Transactions of the Royal Society of London - Series B: Biological Sciences* **343**(1306): 405-11.
- Bruce, M. and H. Fraser (1982). "Focal and asymmetrical vacuolar lesions in the brains of mice infected with certain strains of scrapie." *Acta Neuropathol* **58**: 133-140.
- Bruce, M., P. McBride, et al. (1989). "Precise targeting of the pathology of the sialoglycoprotein PrP, and neuronal vacuolization in mouse scrapie." *Neurosci. Lett* **102**: 1-6.
- Bruce, M. E., I. McConnell, et al. (1991). "The disease characteristics of different strains of scrapie in Sinc congenic mouse lines: implications for the nature of the agent and host control of pathogenesis." *Journal of General Virology* **72**(Pt 3): 595-603.
- Bruce, M. E., R. G. Will, et al. (1997). "Transmissions to mice indicate that 'new variant' CJD is caused by the BSE agent." *Nature* **389**(6650): 498-501.
- BSE Inquiry (2000). "Conclusions drawn from the scientific response to BSE." <http://www.bseinquiry.gov.uk/report/volume1/execsum2.htm>
- Bueler, H., A. Aguzzi, et al. (1993). "Mice devoid of PrP are resistant to scrapie." *Cell* **73**(7): 1339-47.
- Canadian Food Inspection Agency Animal Products Animal Health and Production (2001). "Chronic Wasting Disease (CWD) of Deer and Elk." <http://www.inspection.gc.ca/english/animal/health/diseases/cwdmde.shtml>
- Caramelli, M., G. Ru, et al. (2001). "Evidence for the transmission of scrapie to sheep and goats from a vaccine against *Mycoplasma agalactiae*." *Veterinary Record* **148**(17): 531-6.
- Carlson, G. A., S. J. DeArmond, et al. (1994). "Genetics of prion diseases and prion diversity in mice." *Philosophical Transactions of the Royal Society of London - Series B: Biological Sciences* **343**(1306): 363-9.
- Cervenakova, L., L. G. Goldfarb, et al. (1998). "Phenotype-genotype studies in kuru: implications for new variant Creutzfeldt-Jakob disease." *Proceedings of the National Academy of Sciences of the United States of America* **95**(22): 13239-41.

References

- Chesebro, B. (1999). "Prion protein and the transmissible spongiform encephalopathy diseases." *Neuron* **24**(3): 503-6.
- CJD Surveillance Unit (2001). "Information on the new variant of CJD." <http://www.cjd.ed.ac.uk/>.
- Clark, W. W., J. L. Hourigan, et al. (1995). "Encephalopathy in cattle experimentally infected with the scrapie agent." *American Journal of Veterinary Research* **56**(5): 606-12.
- Collinge, J. and M. Palmer (1997). Human Prion Diseases. *Prion Diseases*. J. Collinge and M. Palmer, Oxford University Press: 18-49.
- Collinge, J., M. Palmer, et al. (1991). "Genetic predisposition to iatrogenic Creutzfeldt-Jakob disease." *Lancet* **337**(8755): 1441-2.
- Collinge, J., K. C. Sidle, et al. (1996). "Molecular analysis of prion strain variation and the aetiology of 'new variant' CJD." *Nature* **383**(6602): 685-90.
- Cullie, J. and P.-L. Celle (1939). "Transmission experimentale de la tremblante chez la chevre." *Comptes Rendus Academie des Sciences* **208**: 1058-1060.
- Cullie, J. and P. Chelle (1936). "La maladie dite tremblante du mouton, est-elle inoculable?" *Comptes rendu de l' Academie des Sciences* **203**: 1552-1554.
- Cutlip, R., J. Miller, et al. (2001). "Resistance of cattle to scrapie by the oral route." *Canadian Journal of Veterinary Research* **65**(2): 131-2.
- Cutlip, R. C., J. M. Miller, et al. (1997). "Second passage of a US scrapie agent in cattle." *Journal of Comparative Pathology* **117**(3): 271-5.
- Cutlip, R. C., J. M. Miller, et al. (1994). "Intracerebral transmission of scrapie to cattle." *Journal of Infectious Diseases* **169**(4): 814-20.
- Dawson, M., G. A. H. Wells, et al. (1990). "Primary, parenteral transmission of BSE to a pig." *Vet. Rec.* **127**: 338.
- Det Norske Veritas (1997). Risk from BSE via environmental pathways.
- Detwiler, L. (1992). "Scrapie." *Revue Scientifique et Technique* **11**(2): 491-537.
- Dickinson, A., H. Fraser, et al. (1976). "Scrapie incubation time can exceed natural lifespan." *Nature* **256**(5520): 732-3.
- Dickinson, A. G. and V. M. Meikle (1971). "Host-genotype and agent effects in scrapie incubation: change in allelic interaction with different strains of agent." *Molecular & General Genetics* **112**(1): 73-9.
- Dickinson, A. G. and G. W. Outram (1988). "Genetic aspects of unconventional virus infections: the basis of the virino hypothesis." *Ciba Foundation Symposium* **135**: 63-83.

References

- Diringer, H., M. Beeke, et al. (1994). "The nature of the scrapie agent: the virus theory." Annals of the New York Academy of Sciences **724**: 246-58.
- Dlouhy, S. R., K. Hsiao, et al. (1992). "Linkage of the Indiana kindred of Gerstmann-Sträussler-Scheinker disease to the prion protein gene." Nature Genetics **1**(1): 64-7.
- Doherr, M. G., D. Heim, et al. (1999). "Modeling the expected numbers of preclinical and clinical cases of bovine spongiform encephalopathy in Switzerland." Veterinary Record **145**(6): 155-60.
- Donnelly, C. (1998). "Maternal transmission of BSE: interpretation of the data on the offspring of BSE-affected pedigree suckler cows." Veterinary Record. **142**(21):579-80. **142**(21): 579-80.
- Donnelly, C. A., N. M. Ferguson, et al. (1997). "Analysis of dam-calf pairs of BSE cases: confirmation of a maternal risk enhancement." Proceedings of the Royal Society of London - Series B: Biological Sciences **264**(1388): 1647-56.
- Donnelly, C. A., N. M. Ferguson, et al. (1997). "The epidemiology of BSE in cattle herds in Great Britain. I. Epidemiological processes, demography of cattle and approaches to control by culling." Philosophical Transactions of the Royal Society of London - Series B: Biological Sciences **352**(1355): 781-801.
- Duguid, J. R., R. G. Rohwer, et al. (1988). "Isolation of cDNAs of scrapie-modulated RNAs by subtractive hybridization of a cDNA library." Proceedings of the National Academy of Sciences of the United States of America **85**(15): 5738-42.
- Eastern Research Group, I. (1996). "TSE Regulatory Options Cost Analysis." <http://www.fda.gov/cvm/index/bse/tse1.pdf>.
- Ebringer, A., C. Thorpe, et al. (1997). "Bovine spongiform encephalopathy: is it an autoimmune disease due to bacteria showing molecular mimicry with brain antigens?" Environmental Health Perspectives **105**(11): 1172-4.
- Elsen, J. M., Y. Amigues, et al. (1999). "Genetic susceptibility and transmission factors in scrapie: detailed analysis of an epidemic in a closed flock of Romanov." Archives of Virology **144**(3): 431-45.
- European Commission (1999). "The evaluation of tests for the diagnosis of Transmissible Spongiform Encephalopathy in Bovines (8 July 1999)." http://europa.eu.int/comm/food/fs/bse/bse12_en.html.
- European Commission (1999). "No evidence for BSE transmission through milk." http://europa.eu.int/comm/dgs/health_consumer/library/press/press28_en.html.
- European Commission (2000). "Commission Decision of 5 June 2000 amending Decision 98/272/EC on epidemi-surveillance for transmissible spongiform encephalopathies (notified under document number C(2000) 1144)."
- European Commission (2001). "Chronological overview of Community legislation concerning BSE." http://europa.eu.int/comm/food/fs/bse/bse15_en.pdf.

References

- Ferguson, N. M., C. A. Donnelly, et al. (1997). "The epidemiology of BSE in cattle herds in Great Britain. II. Model construction and analysis of transmission dynamics." *Philosophical Transactions of the Royal Society of London - Series B: Biological Sciences* **352**(1355): 803-38.
- Ferguson, N. M., C. A. Donnelly, et al. (1997). "A genetic interpretation of heightened risk of BSE in offspring of affected dams." *Proceedings of the Royal Society of London - Series B: Biological Sciences* **264**(1387): 1445-55.
- Fitzsimmons, W. M. and I. H. Pattison (1968). "Unsuccessful attempts to transmit scrapie by nematode parasites." *Research in Veterinary Science* **9**: 281-283.
- Food and Drug Administration (1997). "Substances Prohibited From Use in Animal Food or Feed; Animal Proteins Prohibited in Ruminant Feed; Final Rule-21 CFR Part 589." <http://www.fda.gov/cvm/index/bse/6597bse.htm> **62**(108): 30935.
- Food and Drug Administration (2001). "Transmissible Spongiform Encephalopathy Advisory Meeting, March 19, 2001." http://www.fda.gov/ohrms/dockets/ac/cber01.htm#Transmissible_Spongiform_Encephalopathies.
- Food and Drug Administration (2001). "Update on Ruminant Feed (BSE) Enforcement Activities." <http://www.fda.gov/cvm/index/updates/bseup.htm>.
- Foster, J., M. Bruce, et al. (1996). "Detection of BSE infectivity in brain and spleen of experimentally infected sheep." *Vet Rec.* **138**(22): 546-8.
- Foster, J., D. Parnham, et al. (2001). "Clinical signs, histopathology and genetics of experimental transmission of BSE and natural scrapie to sheep and goats." *Veterinary Record*. **148**(6): 164-71.
- Foster, J. D., J. Hope, et al. (1993). "Transmission of bovine spongiform encephalopathy to sheep and goats." *Veterinary Record* **133**(14): 339-41.
- Foster, J. D., W. A. McKelvey, et al. (1992). "Studies on maternal transmission of scrapie in sheep by embryo transfer." *Veterinary Record* **130**(16): 341-3.
- Fraser, H. and A. Dickinson (1968). "The sequential development of brain lesions of scrapie in three strains of mice." *J. Comp. Pathol.* **78**: 301-311.
- FSIS Directive 7160.2 (1997). "Meat prepared using advanced mechanical meat/bone separation machinery and meat recovery systems." <http://www.fsis.usda.gov/oppde/rdad/fsisdirectives/fsisdir7160%2D2.pdf>.
- Gajdusek, D. C., C. J. Gibbs, et al. (1966). "Experimental transmission of a Kuru-like syndrome to chimpanzees." *Nature* **209**(25): 794-6.
- Gale, P. and G. Stanfield (2001). "Towards a quantitative risk assessment for BSE in sewage sludge." *Journal of Applied Microbiology* **91**(3): 563-569.
- Garland, T., N. Bauer, et al. (1996). "Brain emboli in the lungs of cattle after stunning." *Lancet* **348**(9027): 610.

References

- Gibbs, C. J., C. J. Gajdusek, et al. (1979). Strain variation in the viruses of Creutzfeldt-Jakob disease and kuru. Slow Transmissible Diseases of the Nervous System. S. Prusiner and W. Hadlow, Academic Press, New York. **2**: 87-110.
- Gibbs, C. J., Jr., J. Safar, et al. (1990). "Experimental transmission of scrapie to cattle." Lancet **335**(8700): 1275.
- Glatzel, M. and A. Aguzzi (2001). "The shifting biology of the prions." Brain Research Reviews **In press**.
- Goldmann, W., N. Hunter, et al. (1991). "Different forms of the bovine PrP gene have five or six copies of a short, G-C-rich element within the protein-coding exon." Journal of General Virology **72**(Pt 1): 201-4.
- Goldmann, W., N. Hunter, et al. (1996). "Prion phylogeny revisited." Nature **382**(6586): 32-3.
- Gordon, W. S. (1939). Studies of louping-ill, tick borne fever and scrapie. 3rd International Congress for Microbiology.
- Gordon, W. S. (1946). "Louping ill, tickborne fever and scrapie." Veterinary Record **58**: 516-525.
- Gordon, W. S. (1959). Scrapie Panel. Proceedings of 63rd Annual Meeting of the US LivestockSanitary Association.
- Gould, D. (2000). Geographically Targeted Survey of Cattle in Northeast Colorado for Evidence of Chronic Wasting Disease (CWD). United States Animal Health Association.
- Griebel, P. J. and W. R. Hein (1996). "Expanding the role of Peyer's patches in B-cell ontogeny." Immunology Today **17**(1): 30-9.
- Hadlow, W., R. Race, et al. (1987). "Experimental Infection of sheep and goats with transmissible mink spongiform encephalopathy virus." Canadian Journal of Veterinary Research **51**: 135-144.
- Hadlow, W. J. (1959). "Scrapie and kuru." Lancet(ii): 289-290.
- Hadlow, W. J., R. C. Kennedy, et al. (1982). "Natural infection of Suffolk sheep with scrapie virus." Journal of Infectious Diseases **146**(5): 657-64.
- Hadlow, W. J., R. C. Kennedy, et al. (1980). "Virologic and neurohistologic findings in dairy goats affected with natural scrapie." Veterinary Pathology **17**(2): 187-99.
- Hamir, A., R. Cutlip, et al. (2001). "Preliminary findings on the experimental transmission of chronic wasting disease agent of mule deer to cattle." J Vet Diagn Invest. **13**(1): 91-96.
- Hansen, M. (1999). "Creutzfeldt-Jakob disease." New England Journal of Medicine, **340**(21): 1689.

References

- Harbour, D. (2001). "Measures to reduce contamination of meat and environment with CNS tissue during slaughter and processing of cattle and sheep." <http://europa.eu.int/comm/research/press/1998/pr2710en.html>.
- Hartsough, G. R. and D. Burger (1965). "Encephalopathy of the mink. I. Epizootiologic and clinical observations." *Journal of Infectious Diseases* **115**: 387-392.
- Hill, A. F., M. Antoniou, et al. (1999). "Protease-resistant prion protein produced in vitro lacks detectable infectivity." *Journal of General Virology* **80**(Pt 1): 11-4.
- Hill, A. F., M. Desbruslais, et al. (1997). "The same prion strain causes vCJD and BSE." *Nature* **389**(6650): 448-50.
- Hill, A. F., S. Joiner, et al. (2000). "Species-barrier-independent prion replication in apparently resistant species." *Proceedings of the National Academy of Sciences of the United States of America* **97**(18): 10248-53.
- Hoinville, L. J. (1996). "A review of the epidemiology of scrapie in sheep." *Revue Scientifique et Technique* **15**(3): 827-52.
- Hoinville, L., A. R. McLean, et al. (1999). "Scrapie occurrence in Great Britain." *Veterinary Record* **145**(14): 405-6.
- Holman, R. C., A. S. Khan, et al. (1995). "Epidemiology of Creutzfeldt-Jakob disease in the United States, 1979-1990: analysis of national mortality data." *Neuroepidemiology* **14**(4): 174-81.
- Horn, G., M. Bobrow, et al. (2001). "Review of the Origin of BSE." <http://www.maff.gov.uk/animalh/bse/bseorigin.pdf>.
- Hourigan, J., A. Klingsporn, et al. (1979). *Slow transmissible diseases of the central nervous system*, Academic Press, New York.
- Hsiao, K. and S. Prusiner (1990). "Inherited human prion diseases." *Neurology* **40**: 1820-1827.
- Hsiao, K., M. Scott, et al. (1991). "Spontaneous neurodegeneration in transgenic mice with prion protein codon 101 proline---leucine substitution." *Annals of the New York Academy of Sciences* **640**: 166-70.
- Hsiao, K. K., D. Groth, et al. (1994). "Serial transmission in rodents of neurodegeneration from transgenic mice expressing mutant prion protein." *Proceedings of the National Academy of Sciences of the United States of America* **91**(19): 9126-30.
- Hueston, W. (1997). 62 FR 551-583: Substances Prohibited from Use in Animal Food or Feed; Animal Proteins Prohibited in Ruminant Feed; Proposed Rule, <http://www.fda.gov/cvm/index/bse/bsetoc.html>.
- Hunter, N. (1997). "PrP genetics in sheep and the applications for scrapie and BSE." *Trends in Microbiology* **5**(8): 331-4.
- Hunter, N. (1998). "Scrapie." *Molecular Biotechnology* **9**: 225-234.

References

- Hunter, N. and D. Cairns (1998). "Scrapie-free Merino and Poll Dorset sheep from Australia and New Zealand have normal frequencies of scrapie-susceptible PrP genotypes." Journal of General Virology **79**(Pt 8): 2079-82.
- Hunter, N., J. D. Foster, et al. (1996). "Natural scrapie in a closed flock of Cheviot sheep occurs only in specific PrP genotypes." Archives of Virology **141**(5): 809-24.
- Hunter, N., W. Goldmann, et al. (1993). "Swaledale sheep affected by natural scrapie differ significantly in PrP genotype frequencies from healthy sheep and those selected for reduced incidence of scrapie." Journal of General Virology **74**(Pt 6): 1025-31.
- Hunter, N., W. Goldmann, et al. (1997). "Natural scrapie and PrP genotype: case-control studies in British sheep." Veterinary Record **141**(6): 137-40.
- Hunter, N., W. Goldmann, et al. (1994). "Frequencies of PrP gene variants in healthy cattle and cattle with BSE in Scotland." Veterinary Record **135**(17): 400-3.
- Hunter, N., L. Moore, et al. (1997). "Association between natural scrapie and PrP genotype in a flock of Suffolk sheep in Scotland." Veterinary Record **140**(3): 59-63.
- Ikeda, T., M. Horiuchi, et al. (1995). "Amino acid polymorphisms of PrP with reference to onset of scrapie in Suffolk and Corriedale sheep in Japan." Journal of General Virology **76**(10): 2577-81.
- Ironside, J. W., M. W. Head, et al. (2000). "Laboratory diagnosis of variant Creutzfeldt-Jakob disease." Histopathology **37**(1): 1-9.
- Kelley, L. C., S. Hafner, et al. (2000). "An evaluation of methods for the detection of spinal cord in product derived from advanced meat recovery systems." Journal of Food Protection **63**(8): 1107-12.
- Kelly, D., H. Rearson, et al. (1980). Morbidity in captive white tigers. Comparative Pathology of Zoo animals. R. Montali and G. Migaki. Washington DC, Institute Press: 183-188.
- Kimberlin, R., S. Cole, et al. (1987). "Temporary and permanent modifications to a single strain of mouse scrapie on transmission to rats and hamsters." Journal of General Virology **68** (Pt 7):1875-81 **68**(7): 1875-81.
- Kimberlin, R. H. (1990). "Transmissible encephalopathies in animals." Canadian Journal of Veterinary Research **54**(1): 30-7.
- Kimberlin, R. H. and C. A. Walker (1988). Pathogenesis of experimental scrapie. Novel infectious agents and the central nervous system-Ciba Foundation Symposium, Wiley, Chichester.
- Kimberlin, R. H. and C. A. Walker (1989). "Pathogenesis of scrapie in mice after intragastric infection." Virus Research **12**(3): 213-20.

References

- Kimberlin, R. H., C. A. Walker, et al. (1983). "Disinfection studies with two strains of mouse-passaged scrapie agent. Guidelines for Creutzfeldt-Jakob and related agents." *Journal of the Neurological Sciences* **59**(3): 355-69.
- Kimberlin, R. H. and J. W. Wilesmith (1994). "Bovine spongiform encephalopathy. Epidemiology, low dose exposure and risks." *Annals of the New York Academy of Sciences* **724**: 210-20.
- Klatzo, I., D. C. Gajdusek, et al. (1957). "Pathology of kuru." *Laboratory Investigations* **8**: 799-847.
- Koeijer, A., B. Schreuder, et al. (In press). "BSE Risk assessment by calculating the basic reproduction ratio for the infection among cattle."
- Laplanche, J., J. Chatelain, et al. (1993). "PrP polymorphisms associated with natural scrapie discovered by denaturing gradient gel electrophoresis." *Genomics* **15**(1): 30-7.
- Lasmezas, C. I., J. P. Deslys, et al. (1997). "Transmission of the BSE agent to mice in the absence of detectable abnormal prion protein." *Science* **275**(5298): 402-5.
- Lord Phillips, o. W. M., J. C. Bridgeman, et al. (2000). "The BSE Inquiry."
- Lucker, E., E. Eigenbrodt, et al. (2000). "Identification of central nervous system tissue in retail meat products." *J Food Prot.* **63**(2): 258-63.
- MAFF (2000). "Confirmation of BSE in a cow born after 1 August, 1996 in the United Kingdom." <http://www.maff.gov.uk/animalh/bse/public-health/bab5.pdf>
- MAFF (2000). "MAFF BSE Information," <http://www.maff.gov.uk/animalh/bse/index.html>.
- MAFF (2001). "BSE Information: Tallow." <http://www.maff.gov.uk/animalh/bse/index.html>.
- Manson, J. C., E. Jamieson, et al. (1999). "A single amino acid alteration (101L) introduced into murine PrP dramatically alters incubation time of transmissible spongiform encephalopathy." *EMBO Journal* **18**(23): 6855-64.
- Manuelidis, L., T. Sklaviadis, et al. (1995). "Viral particles are required for infection in neurodegenerative Creutzfeldt-Jakob disease." *Proceedings of the National Academy of Sciences of the United States of America* **92**(11): 5124-8.
- Marsh, R. F., R. A. Bessen, et al. (1991). "Epidemiological and experimental studies on a new incident of transmissible mink encephalopathy." *Journal of General Virology* **72**(Pt 3): 589-94.
- Marsh, R. F., D. Burger, et al. (1969). "A preliminary report on the experimental host range of transmissible mink encephalopathy agent." *J. Inf. Dis.* **120**: 713-719.
- Masters, C. L., J. Harris, et al. (1978). "Creutzfeldt-Jakob Disease: Patterns of Worldwide occurrence and the Significance of Familial and Sporadic Clustering." *Ann Neurol* **5**: 177-188.
- McKenzie, D., J. Bartz, et al. (1998). "Reversibility of scrapie inactivation is enhanced by copper." *Journal of Biological Chemistry* **273**(40): 25545-7.

References

- McKinley, M. P., D. C. Bolton, et al. (1983). "A protease-resistant protein is a structural component of the scrapie prion." *Cell* **35**(1): 57-62.
- McLean, C. A., J. W. Ironside, et al. (1998). "Comparative Neuropathology of Kuru with New Variant Creutzfeldt Jakob Disease: Evidence of Strain of Agent Predominating over Genotype of host." *Brain Pathology* **8**: 429-437.
- Miller, M., S. Williams, et al. (2000). "Epizootiology of Chronic Wasting Disease in free-ranging cervids in Colorado and Wyoming." *Journal of Wildlife Diseases* **36**(4): 676-690.
- Miller, M. W., M. A. Wild, et al. (1998). "Epidemiology of chronic wasting disease in captive Rocky Mountain elk." *Journal of Wildlife Diseases* **34**(3): 532-8.
- Nathanson, N., J. Wilesmith, et al. (1997). "Bovine spongiform encephalopathy (BSE): causes and consequences of a common source epidemic." *American Journal of Epidemiology* **145**(11): 959-69.
- Nowak, R., Ronald, et al. (1983). *Walker's Mammals of the World*, Johns Hopkins Univ. Press.
- OIE (2000). "Bovine spongiform encephalopathy." http://www.oie.int/eng/info/en_esb.htm.
- OIE (2001). "Surveillance and Monitoring of Bovine Spongiform Encephalopathy." http://www.oie.int/eng/normes/mcode/A_00154.htm.
- O'Rourke, K. I., T. E. Besser, et al. (1999). "PrP genotypes of captive and free-ranging Rocky Mountain elk (*Cervus elaphus nelsoni*) with chronic wasting disease." *Journal of General Virology* **80**(Pt 10): 2765-9.
- Palmer, M. S., A. J. Dryden, et al. (1991). "Homozygous prion protein genotype predisposes to sporadic Creutzfeldt-Jakob disease. *Nature* **352**(6333): 340-2.
- Parchi, P., A. Giese, et al. (1999). "Classification of sporadic Creutzfeldt-Jakob disease based on molecular and phenotypic analysis of 300 subjects." *Annals of Neurology* **46**(2): 224-33.
- Pattison, I., W. Gordon, et al. (1959). "The possible natural transmission of scrapie in goats." *Journal of Comparative Pathology* **71**: 101-108.
- Poulter, M., H. F. Baker, et al. (1992). "Inherited prion disease with 144 base pair gene insertion. 1. Genealogical and molecular studies." *Brain* **115**(Pt 3): 675-85.
- Priola, S. A., B. Caughey, et al. (1994). "Heterologous PrP molecules interfere with accumulation of protease-resistant PrP in scrapie-infected murine neuroblastoma cells." *Journal of Virology* **68**(8): 4873-8.
- ProMED-mail (2001, April 18). "BSE trigger suspected to be African antelope." .
- Prusiner, S. (1989). "Scrapie Prions." *Annu. Rev. Microbiol.* **43**: 345-74.
- Prusiner, S. B. (1982). "Novel proteinaceous infectious particles cause scrapie." *Science* **216**(4542): 136-44.

References

- Prusiner, S. B. (1994). "Biology and genetics of prion diseases." Annual Review of Microbiology **48**: 655-86.
- Prusiner, S. B. (1998). "Prions." Proceedings of the National Academy of Sciences of the United States of America **95**(23): 13363-83.
- Public Citizen (2001). "Letter to the USDA and FDA Re: BSE." .
- Purdey, M. (1996). "The UK epidemic of BSE: slow virus or chronic pesticide-initiated modification of the prion protein? Part 2: An epidemiological perspective." Medical Hypotheses **46**(5): 445-54.
- Race, R. and B. Chesebro (1998). "Scrapie infectivity found in resistant species." Nature **392**(6678): 770.
- Race, R., A. Jenny, et al. (1998). "Scrapie infectivity and proteinase K-resistant prion protein in sheep placenta, brain, spleen, and lymph node: implications for transmission and antemortem diagnosis." Journal of Infectious Diseases **178**(4): 949-53.
- Raymond, G., A. Bossers, et al. (2000). "Evidence of a molecular barrier limiting susceptibility of humans, cattle and sheep to chronic wasting disease." EMBO **19**(17): 4425-30.
- Raymond, G., J. Hope, et al. (1997). "Molecular assessment of the potential transmissibilities of BSE and scrapie to humans." Nature **388**(6639): 285-8.
- Rehbinder, C. and L. Petersson (1994). "Cerebellar abiotrophy in a moose (*Alces alces* L) related to copper deficiency. A case report." Acta Veterinaria Scandinavica **35**(1): 103-6.
- Ridley, R. and H. Baker (1996). "The myth of maternal transmission of spongiform encephalopathy." BMJ **311**(7012): 1071-5.
- Robinson, M. M., W. J. Hadlow, et al. (1995). "Experimental infection of cattle with the agents of transmissible mink encephalopathy and scrapie." Journal of Comparative Pathology **113**(3): 241-51.
- Rocky Mountain Elk Foundation (1997). "Status of the Elk in North America 1975-1995."
- Romans, J. and P. Ziegler (1974). The meat we eat. Danville, Illinois, The Interstate Printers & Publishers Inc.,
- Rudbeck, J. (1999). "More Products Shipping Overseas but Cost Less." Renderer, The National Magazine of the Rendering(October).
- Ryder, S. J., S. A. Hawkins, et al. (2000). "The neuropathology of experimental bovine spongiform encephalopathy in the pig." Journal of Comparative Pathology **122**(2-3): 131-43.
- Schaller, O., R. Fatzer, et al. (1999). "Validation of a western immunoblotting procedure for bovine PrP(Sc) detection and its use as a rapid surveillance method for the diagnosis of bovine spongiform encephalopathy (BSE)." Acta Neuropathologica **98**(5): 437-43.

References

- Schmidt, G., R. S. Yemm, et al. (2001). "Beta site analysis and verification of different glial fibrillary acidic protein (GFAP) analyses as accurate detectors of central nervous system tissue in advanced meat recovery (AMR) products." *In press*.
- Schmidt, G. R., K. L. Hossner, et al. (1999). "An enzyme-linked immunosorbent assay for glial fibrillary acidic protein as an indicator of the presence of brain or spinal cord in meat." *Journal of Food Protection* **62**(4): 394-7.
- Schreuder, B. E., R. E. Geertsma, et al. (1998). "Studies on the efficacy of hyperbaric rendering procedures in inactivating bovine spongiform encephalopathy (BSE) and scrapie agents." *Veterinary Record* **142**(18): 474-80.
- Scott, M. R., R. Will, et al. (1999). "Compelling transgenetic evidence for transmission of bovine spongiform encephalopathy prions to humans." *Proceedings of the National Academy of Sciences of the United States of America* **96**(26): 15137-42.
- SEAC (1997). "Public summary of meeting on 24 October 1997." .
- SEAC (1999). "SEAC ANNUAL REPORT 1997-98." <http://www.maff.gov.uk/animalh/bse/index.html>.
- SEAC (2000). "Risk Assessment for the disposal of treated rendering plant ruminant condensate to agricultural land." .
- Sigurdson, C. J., E. S. Williams, et al. (1999). "Oral transmission and early lymphoid tropism of chronic wasting disease PrPres in mule deer fawns (*Odocoileus hemionus*)."*Journal of General Virology* **80**(Pt 10): 2757-64.
- Sigurdson, S. (1991). Epidemiology of scrapie in Iceland with control measures. *Sub acute spongiform encephalopathies. Proceedings of an EC seminar, 12-14 November 1990:* 233-242.
- Simmons, M. M., S. J. Ryder, et al. (2000). "Scrapie surveillance in Great Britain: results of an abattoir survey, 1997/98." *Veterinary Record* **146**(14): 391-5.
- Skarphedinsson, S., R. Johannsdottir, et al. (1994). "PrPsc in Icelandic sheep naturally infected with scrapie." *Ann N Y Acad Sci* **724**: 304-9.
- Southern States Cooperative (2001). "Prices."
- Sparks Companies, I. (1999). Advanced Meat Recovery Systems - An Economic Analysis of the Proposed USDA Regulation. Mc Lean, VA.
- SSC (1998). "Opinion on possible links between BSE and Organophosphates used as pesticides against ecto- and endoparasites in cattle - Report and opinion adopted at the Scientific Steering Committee meeting of 25-26 June 1998." .
- SSC (1998). "Opinion on the Safety of Gelatine adopted at the Scientific Steering Committee at its plenary meeting of 26-27 March 1998 following a public consultation on the preliminary opinion adopted on 19-20 February 1998 (Version updated on 3.04.98) - Background." http://europa.eu.int/comm/food/fs/sc/ssc/out09_en.html.

References

- SSC (1999). "Opinion of the Scientific Steering Committee on the Human Exposure Risk (HER) via food with respect to BSE - Adopted on 10 December 1999." http://europa.eu.int/comm/food/fs/sc/ssc/out67_en.html.
- SSC (1999). "Report on : The Risk Born by Recycling Animal By-Products as Feed with Regard to Propagating TSE's in Non-ruminant Farmed Animals. Prepared by a Working Group for the Scientific Steering Committee as an input in the elaboration of the opinion on the same subject adopted on 16-17 September 1999." http://europa.eu.int/comm/food/fs/sc/ssc/out59_en.html.
- SSC (2000). "Minutes of the Scientific Steering Committee Meeting of 20-21 January 2000." http://europa.eu.int/comm/food/fs/sc/ssc/out72_en.html.
- SSC (2000). "Opinion - Oral exposure of Humans to the BSE agent : infective dose and species barrier adopted by the SSC at its meeting of 13-14 April 2000 following a public consultation via Internet between 6 and 27 March 2000." http://europa.eu.int/comm/food/fs/sc/ssc/out79_en.pdf.
- SSC (2000). "Opinion - Oral exposure of Humans to the BSE agent : infective dose and species barrier adopted by the SSC at its meeting of 13-14 April 2000 following a public consultation via Internet between 6 and 27 March 2000: Annex 2-An example of Risk Assessment on BSE transmission, (Diringer 1999)." http://europa.eu.int/comm/food/fs/sc/ssc/out79_en.pdf: 48.
- SSC (2000). "Opinion of the Scientific Steering Committee on a method for assessing the Geographical BSE-Risk (GBR) of a country or region (up-date, January 2000)." http://europa.eu.int/comm/food/fs/sc/ssc/outcome_en.html.
- SSC (2000). "Opinion on the Safety of ruminant blood with respect to TSE risks adopted by the SSC at its meeting of 13-14 April 2000." http://europa.eu.int/comm/food/fs/sc/ssc/out74_en.pdf.
- SSC (2000). "Report on the Assessment of the Geographical BSE - Risk of USA (July 2000)." http://europa.eu.int/comm/food/fs/sc/ssc/out137_en.pdf.
- Stockman, S. (1913). "Scrapie: an obscure disease of sheep." *Journal of Comparative Pathology*.
- Stringer, S. M., N. Hunter, et al. (1998). "A mathematical model of the dynamics of scrapie in a sheep flock." *Mathematical Biosciences* **153**(2): 79-98.
- Taylor, D. M. (1989). "Scrapie agent decontamination: implications for bovine spongiform encephalopathy." *Veterinary Record* **124**(12): 291-2.
- Taylor, D. M. (1991). "Inactivation of BSE agent." *Developments in Biological Standardization* **75**: 97-102.
- Taylor, D. M. (1991). "Inactivation of the unconventional agents of scrapie, bovine spongiform encephalopathy and Creutzfeldt-Jakob disease." *Journal of Hospital Infection* **18 Suppl A**: 141-6.
- Taylor, D. M. (1993). "Inactivation of SE agents." *British Medical Bulletin* **49**(4): 810-21.
- Taylor, D. M. and S. L. Woodgate (1997). "Bovine spongiform encephalopathy: the causal role of ruminant-derived protein in cattle diets." *Revue Scientifique et Technique* **16**(1): 187-98.

References

- Taylor, D. M., S. L. Woodgate, et al. (1995). "Inactivation of the bovine spongiform encephalopathy agent by rendering procedures." Veterinary Record **137**(24): 605-10.
- Taylor, D. M., S. L. Woodgate, et al. (1997). "Effect of rendering procedures on the scrapie agent." Veterinary Record **141**(25): 643-9.
- Tegtmeier, C., J. Agerholm, et al. (2001). "First confirmed native case of bovine spongiform encephalopathy in Denmark." Vet Rec **148**: 51-52.
- Telling, G. C., M. Scott, et al. (1995). "Prion propagation in mice expressing human and chimeric PrP transgenes implicates the interaction of cellular PrP with another protein." Cell **83**(1): 79-90.
- Thornton, I. and J. S. Webb (1979). "Geochemistry and health in the United Kingdom." Philosophical Transactions of the Royal Society of London - Series B: Biological Sciences **288**(1026): 151-68.
- Tiwana, H., C. Wilson, et al. (1999). "Autoantibodies to brain components and antibodies to *Acinetobacter calcoaceticus* are present in bovine spongiform encephalopathy." Infection & Immunity **67**(12): 6591-5.
- USDA, N. (2001). "Mink Annual Report." .
- USDA-APHIS (2000). "BSE Surveillance." <http://www.aphis.usda.gov/oa/bse/bsesurvey.html#charts>.
- USDA-APHIS (2000). "Fact sheet: Bovine Spongiform Encephalopathy." <http://www.aphis.usda.gov/oa/pubs/fsbse.pdf>.
- USDA-APHIS (2000). Scrapie Project Final Rule. http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?dbname=2000_register&docid=fr27jn00-3. **9 CFR Parts 54 and 79:** Docket No. 99-067-2.
- USDA-APHIS, V. S. (2000). "Comments submitted by US on the "draft report on the assessment of the Geographical BSE-risk of the USA."
- USDA-FSIS (1997). "Livestock and carcass disposition review."
- USDA-FSIS (1998). "Animal Reporting System (ADRS) livestock slaughtered in USDA year 1998." <http://www.fsis.usda.gov/OPHS/adradata/1998adrs/98crm1.htm>.
- Venter, A. (2001). "Mad deer in Canadian wild?" Trends in Microbiology **9**(7): 312.
- Walker, K. D., W. D. Hueston, et al. (1991). "Comparison of bovine spongiform encephalopathy risk factors in the United States and Great Britain." Journal of the American Veterinary Medical Association **199**(11): 1554-61.
- Warren, H. V. (1974). "Proceedings: Environmental lead: a survey of its possible physiological significance." Journal of Biosocial Science **6**(2): 223-38.

References

- Webb, C., J. Wilesmith, et al. (2001). "A stochastic model to estimate the prevalence of scrapie in Great Britain using the results of an abattoir based survey." *Preventive Veterinary Medicine* **51**: 269-287.
- Weissmann, C. and A. Aguzzi (1999). "Perspectives: neurobiology. PrP's double causes trouble." *Science* **286**(5441): 914-5.
- Wells, G. A., S. A. Hawkins, et al. (1998). "Preliminary observations on the pathogenesis of experimental bovine spongiform encephalopathy (BSE): an update." *Veterinary Record* **142**(5): 103-6.
- Wells, G. A., S. A. Hawkins, et al. (1999). "Limited detection of sternal bone marrow infectivity in the clinical phase of experimental bovine spongiform encephalopathy (BSE)." *Veterinary Record* **144**(11): 292-4.
- Wells, G. A., J. W. Wilesmith, et al. (1991). "Bovine spongiform encephalopathy: a neuropathological perspective." *Brain Pathology* **1**(2): 69-78.
- Westaway, D., V. Zuliani, et al. (1994). "Homozigosity for prion protein alleles encoding glutamine-171 renders sheep susceptible to natural scrapie." *Genes and Development* **8**: 959-969.
- WHO (2001). "Fact Sheet: Bovine Spongiform Encephalopathy." <http://www.who.int/inf-fs/en/fact113.html>.
- Wilesmith, J. W. (1994). "An epidemiologist's view of bovine spongiform encephalopathy." *Philosophical Transactions of the Royal Society of London - Series B: Biological Sciences* **343**(1306): 357-61.
- Wilesmith, J. W., J. B. Ryan, et al. (1991). "Bovine spongiform encephalopathy: epidemiological studies on the origin." *Veterinary Record* **128**(9): 199-203.
- Wilesmith, J. W., J. B. Ryan, et al. (1992). "Bovine spongiform encephalopathy: epidemiological features 1985 to 1990." *Veterinary Record* **130**(5): 90-4.
- Wilesmith, J. W., G. A. Wells, et al. (1997). "A cohort study to examine maternally-associated risk factors for bovine spongiform encephalopathy." *Veterinary Record* **141**(10): 239-43.
- Will, R., W. Matthews, et al. (1986). "A retrospective study of Creutzfeldt Jakob Disease in England and Wales 1970-1979." *Epidemiology J. Neurol. Neurosurg. Psychiatry* **49**: 749-755.
- Will, R. G., J. W. Ironside, et al. (1996). "A new variant of Creutzfeldt-Jakob disease in the UK." *Lancet* **347**(9006): 921-5.
- Will, R. G., M. Zeidler, et al. (2000). "Diagnosis of new variant Creutzfeldt-Jakob disease." *Annals of Neurology* **47**(5): 575-82.
- Williams, E. S. and S. Young (1980). "Chronic wasting disease of captive mule deer: a spongiform encephalopathy." *Journal of Wildlife Diseases* **16**(1): 89-98.
- Williams, E. S. and S. Young (1982). "Spongiform encephalopathy of Rocky Mountain elk." *Journal of Wildlife Diseases* **18**(4): 465-71.

References

- Wineland, N. E., L. A. Detwiler, et al. (1998). "Epidemiologic analysis of reported scrapie in sheep in the United States: 1,117 cases (1947-1992)." Journal of the American Veterinary Medical Association **212**(5): 713-8.
- Woolhouse, M. E. and R. M. Anderson (1997). "Understanding the epidemiology of BSE." Trends in Microbiology **5**(11): 421-4.
- Woolhouse, M. E., S. M. Stringer, et al. (1998). "Epidemiology and control of scrapie within a sheep flock." Proceedings of the Royal Society of London - Series B: Biological Sciences **265**(1402): 1205-10.
- Zigas, V. and D. C. Gajdusek (1957). "Kuru: clinical study of a new syndrome resembling paralysis agitans in native of the Eastern Highlands of Australian New Guinea." Medical Journal of Australia **2**: 745-754.