- Luhken G, Buschmann A, Brandt H, Eiden M, Groschup MH, Erhardt G. Epidemiological and genetical differences between classical and atypical scrapic cases. Vet Res. 2007;38:65–80.
- Le Dur A, Beringue V, Andreoletti O, Reine F, Lai TL, Baron T, et al. A newly identified type of scrapie agent can naturally infect sheep with resistant PrP genotypes. Proc Natl Acad Sci U S A. 2005;102:16031–6.
- Goldmann W, Hunter N, Smith G, Foster J, Hope J. PrP genotype and agent effects in scrapie: change in allelic interaction with different isolates of agent in sheep, a natural host of scrapie. J Gen Virol. 1994:75:989-95
- Buschmann A, Luhken G, Schultz J, Erhardt G, Groschup MH. Neuronal accumulation of abnormal prion protein in sheep carrying a scrapie-resistant genotype (PrPARR/ARR). J Gen Virol. 2004;85:2727–33.
- Moum T, Olsaker I, Hopp P, Moldal T, Valheim M, Moum T, et al. Polymorphisms at codons 141 and 154 in the ovine prion protein gene are associated with scrapie Nor98 cases. J Gen Virol. 2005;86:231-5.

- Foster JD, Parnham D, Chong A, Goldmann W, Hunter N. Clinical signs, histopathology and genetics of experimental transmission of BSE and natural scrapie to sheep and goats. Vet Rec. 2001;148:165– 71
- Ronzon F, Bencsik A, Lezmi S, Vulin J, Kodjo A, Baron T. BSE inoculation to prion diseases-resistant sheep reveals tricky silent carriers. Biochem Biophys Res Commun. 2006;350:872–7.
- Andreoletti O, Morel N, Lacroux C, Rouillon V, Barc C, Tabouret G, et al. Bovine spongiform encephalopathy agent in spleen from an ARR/ARR orally exposed sheep. J Gen Virol. 2006;87:1043–6.
- Thuring CM, Erkens JH, Jacobs JG, Bossers A, van Keulen LJ, Garssen GJ, et al. Discrimination between scrapie and bovine spongiform encephalopathy in sheep by molecular size, immunoreactivity, and glycoprofile of prion protein. J Clin Microbiol. 2004;42:972–80.

Address for correspondence: Martin H. Groschup, Friedrich-Loeffler-Institut, Boddenblick 5a, 17493 Greifswald–Insel Riems, Germany; email: martin.groschup@fli.bund.de

ANOTHER DIMENSION

The Calf-Path

-Sam Walter Foss, Public Domain

One day through the primeval wood A calf walked home as good calves should; But made a trail all bent askew. A crooked trail as all calves do. Since then three hundred years have fled, And I infer the calf is dead. But still he left behind his trail, And thereby hangs my moral tale. The trail was taken up next day By a lone dog that passed that way; And then a wise bell–wether sheep Pursued the trail o'er vale and steep, And drew the flock behind him, too, As good bell-wethers always do. And from that day, o'er hill and glade, Through those old woods a path was made. And many men wound in and out, And dodged and turned and bent about, And uttered words of righteous wrath Because 'twas such a crooked path; But still they followed – do not laugh -The first migrations of that calf, And though this winding wood-way stalked Because he wobbled when he walked. This forest path became a lane That bent and turned and turned again; This crooked lane became a road, Where many a poor horse with his load Toiled on beneath the burning sun, And thus a century and a half They trod the footsteps of that calf. The years passed on in swiftness fleet, The road became a village street;

And this, before men were aware, A city's crowded thoroughfare. And soon the central street was this Of a renowned metropolis; And men two centuries and a half Trod in the footsteps of that calf. Each day a hundred thousand rout Followed this zigzag calf about And o'er his crooked journey went The traffic of a continent. A hundred thousand men were led By one calf near three centuries dead. They followed still his crooked way. And lost one hundred years a day, For thus such reverence is lent To well-established precedent. A moral lesson this might teach Were I ordained and called to preach; For men are prone to go it blind Along the calf-paths of the mind, And work away from sun to sun To do what other men have done. They follow in the beaten track, And out and in, and forth and back, And still their devious course pursue, To keep the path that others do. They keep the path a sacred groove, Along which all their lives they move; But how the wise old wood-gods laugh, Who saw the first primeval calf. Ah, many things this tale might teach — But I am not ordained to preach.