individual human subjects of research, and to provide a framework within which medical research could flourish.

The essays begin with a thought-provoking philosophical discussion by Dr K Boyd. His examination of Dr K W M Fulford's 'four principles' for research – knowledge, necessity, benefit and consent – is particularly useful, as these principles can provide a theoretical framework for those whose duty it is to review research protocols. This essay is followed by an informative discussion of the role of the World Health Organisation by Dr M N G Dukes, which has been in a fairly strong and effective position in 'persuading, nudging, catalysing the development of consensus and generally guiding the world into a proper pattern of behaviour on health issues'.

Dr P Bennett then provides an excellent summary of the key concerns of the clinical investigator, which could also serve as a checklist for research ethics committees. Dr N P Maurice, writing from the perspective of the pharmaceutical industry, describes the complexity of European drug trials because of different attitudes to the way human research should be carried out. He discusses the development of 'good clinical practice' and the rise in the 1960s of the disciplines of clinical pharmacology and pharmaceutical medicine.

Dr S L Nightingale of the United States Food and Drug Administration explains in his essay the details of the regulatory system governing clinical research on humans in the United States. This regulatory system is highly developed, with a comprehensive review structure (which includes monitoring standards of review) by institutional review boards (IRBs). J Dangoumau then discusses the responsibilities of research ethics committees in France, where recent legislation has established local Consultative Committees for the Protection of Individuals.

Mr B Wijnberg offers a comparative overview of legislation in different EEC countries regarding medical research on humans, and of aspects of international and EEC law which impinge on these experiments. He concludes that there is room for improvement.

Dr F Garcia-Alonso and Dr M A Serrano-Castro describe clinical research and its regulation in Spain. This is followed by a discussion of the role of the European Ethical Review Committee by its chairman, Dr W M Rosinga. Finally, Dr Fernand Sauer

gives an overview of the ethical aspects of EEC pharmaceutical legislation.

In his concluding remarks the editor notes that there is diversity between countries of the EEC, because of cultural and legal differences. He also points out that there are important points of unity; for example, the almost universal recognition of the Declaration of Helsinki of the World Medical Association. The editor leaves us with a direction: 'to stimulate the establishment of ethical review committees throughout the EEC' and to provide a uniform standard of review across the community.

The symposium must have provided a very useful and informative exchange of views and perspectives, reflected to a certain extent in the essays. Arguably the essays do not examine each topic in enough depth; nonetheless, they certainly lay foundations for further discussion and collaboration between countries of the EEC.

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Animal rights and human morality

Bernard E Rollin, Buffalo NY,
Prometheus Books, 1992, 248 pages,
£12.95 sc, revised edition

Bernard Rollin is the stockman's rather than the philosopher's philosopher, having learned his trade in head-on intellectual combat with ranchers, veterinarians and researchers. His preferred method of argument, he writes, is less like sumo than judo: 'I simply side-step and give you a slight encouraging push in the direction of your punch ... and thereby show you that the ideal I am pressing upon you is in fact a consequence of beliefs you yourself entertain' (page 25). *Animal Rights and Human Morality* abounds in such home-spun wisdom, deceptively simple, since what Rollin wears so lightly is good learning, soundly-based and painstakingly acquired. One does not become a professor of philosophy, physiology and biophysics, simply by rocking-chair moralising.

More than a decade after its first edition, this remains one of the best

introductions to its subject, lively, lucid and engaging. Its first chapter, 'Moral theory and animals (which makes up about a third of the book)', outlines relevant deontological and consequentialist features of the debate, arguing convincingly that animals have interests and their own telos, which ought to be respected. A 'moral gestalt shift' in perspective, however, is needed for most people to realise this, and Rollin is realistic about the difficulties involved in bringing this about. A second (much shorter) chapter on Animal rights and legal rights explores ways of shifting the legal focus from animals as property to the rights and welfare of the animals themselves. Realism again informs Rollin's third chapter on The use and abuse of animals in research, which proposes a utilitarian cost-benefit principle to determine whether the research should be done at all, and then against that background, a rights principle to maximise the potential of the animals involved for living according to their nature.

What Rollin writes about the law and research largely reflects practice in the USA; and it is tempting to suggest that much of what he recommends has already been implemented under recent British legislation. On the other hand, many of his comments on education and attitudes are pertinent on both sides of the Atlantic. His final short chapter, 'Morality and pet animals, moreover brings the ethics of our relationship with animals home in especially thought-provoking ways.

Despite its occasionally repetitive rhetoric, its omissions, the attribution (page 93) of 'we murder to dissect' to Tennyson rather than Wordsworth and some clumsy carpentry in the make-up of the new edition, *Animal Rights and Human Morality* remains one of the most accessible, sympathetic and challenging introductions to an important area of current moral debate, whose complexities Rollin acknowledges and enlightens.

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The rights of patients

George J Annas, Clifton, New Jersey
Humana Press Inc, 1992, 328 pages,
\$27.50