

- 4 Weatherall D. The physician scientist: an endangered but far from extinct species. *Br Med J* 1991;302:1002-5.
- 5 Warlow CP. Hither neurology: research. *J Neurol Neurosurg Psychiatry* 1992;55(Suppl.):26-31.
- 6 Aird I. *The making of a surgeon*. London: Butterworths, 1961.
- 7 Ojemann RG. Training the neurosurgeon for the twenty-first century. *Surg Neurol* 1992;37:167-74.
- 8 Taylor I. Opportunities for research in surgical training. *Bull Ann R Coll Surg Engl* 1993;75:31-2.
- 9 Department of Health. *Hospital doctors: training for the future*. Report of the Working Group on Specialist Medical Training. London: Department of Health, 1993.
- 10 Smith R. Academic medicine: plenty of room at the top. Too many barriers to getting well trained. *Br Med J* 1993;306:6.
- 11 Osler W. *Counsels and ideals*. Boston: Houghton, Mifflin, 1905.
- 12 SCOPME. *Formal opportunities in postgraduate education for hospital doctors in training*. London: Standing Committee on Postgraduate Medical Education, 1992.
- 13 Cabinet Office (Office of Science and Technology). *Annual review of government funded research and development 1992*. London: HM Stationery Office, 1992.
- 14 Save British Science. Dual Support for Academic Research, Box 241, Oxford OX1 3QQ, 1992.
- 15 Richmond M. A future for British science. *Nature* 1991;353:379-82.
- 16 Ahrens EH. *The crisis in clinical research*. Oxford: Oxford University Press, 1992:326.
- 17 Maynard A. Planned markets and public competition (book review). *Lancet* 1992;340:538.
- 18 Simpson J, Smith R. 'Macho' management in the NHS—may correct everything. *Br Med J* 1992;304:1586.
- 19 Howell JBL. Re-examining the fundamental principles of the NHS. *Br Med J* 1992;304:297-9.
- 20 Pickard JD, Bailey S, Sanderson H, Rees M, Garfield JS. Steps towards cost-benefit analysis of regional neurosurgical care. *Br Med J* 1990;301:629-35.
- 21 Upton P. *John O'Connell—man of Barts (1989)*. Privately printed by the author. 3 St Cross Back Street, Winchester, SO23 9SB.
- 22 Dean M. A gag on whistleblowing. *Lancet* 1992;340:1277-8.
- 23 Forsythe M. Commissioning specialist services. Problems ahead in the regions. *Br Med J* 1993;306:872-3.
- 24 Chantler C. Service increment for teaching and research. *Br Med J* 1992;305:71-2.
- 25 Smith C. Service increment for teaching and research (SIFTR): the Southampton experience. *Br Med J* 1992;305:97-8.
- 26 Clack G, Bevan G, Peters JJ, Eddleston ALWF. Kings model for allocating service increment for teaching and research (SIFTR). *Br Med J* 1992;305:95-6.
- 27 Warden J. The Wessex fiasco. *Br Med J* 1993;306:1292.
- 28 Seton C. Health chiefs wasted £2.5 M in savings drive. *The Times* September 11th, 1992.
- 29 Peters DK. Academic medicine. *Br Med J* 1992;304:651-2.
- 30 Medical Academic Staff Committee. Annual Report. *Br Med J* 1992.
- 31 Bradbury MG. Raw deal for academics. *Br Med J* 1992;304:1058.
- 32 Eastwood MR, Provan JL. Canada: The doctors dilemma. *Lancet* 1991;338:242-3.
- 33 Keynes G. *The gates of memory*. Oxford: Clarendon Press, 1981.

Neurological stamp

Johann Wolfgang von Goethe (1749–1832)

The great German poet, dramatist and philosopher eventually ranked science as important as his poetic activity. He was the first to use the term morphology, and recognised in the human species the intermaxillary bone (premaxilla) (1786). Goethe considered that the skull was made up of modified vertebra and the jaws of insects as being modified limbs. He was also interested in the concept of evolution, in optics and also contributed to the physiology of colour vision. Goethe was instrumental in having Purkinje appointed Professor of Physiology and Pathology at the University of Breslau in 1823.

Goethe's understanding of the association of aphasia with stroke is clearly shown in his *William Master's Apprenticeship*, which he wrote in 1795.

My father was suddenly seized with palsy, which attacked his right side and deprived him of the power of speech. We were obliged to guess at everything he wanted, for he never expressed the words which he intended to utter. Often times this was to me fearfully distressing, particularly on occasions when he insisted upon being left alone with me—he would signify, by violent gestures, that every other person should retire; but when we were left together he found himself unable to express his thoughts.

Goethe is shown here on a stamp issued by Luxembourg in 1977 (Stanley Gibbons 981, Scott 593).

L F HAAS

