

NOTES ON THE TRANSACTIONS OF THE FACULTY OF ACTUARIES

VOL. 22, PART 2 (No. 182), 1954

MARSHALL, J. B. *British Government Securities*, pp. 19-35. This paper attempts to put 'switching' (i.e. temporary exchanges for capital profit) in gilt-edged securities on to a reasonably scientific basis. The author discusses the yield structure of the group of securities, particularly in relation to unexpired term, tax, and option 'brackets', and concludes that, to get the best return from its gilt-edged portfolio without ever 'taking a view', a life office should only hold stocks with terms of 10-20 years.

ROBERTSON, D. J. and STURROCK, I. L. B. *Active investment policy related to the holding of matched assets*, pp. 36-66. In this paper 'matching' is first discussed from a mathematical angle. This leads to a definition of a 'standard portfolio' of assets, the holding of which would protect the office against changes in interest rates, but which would contain a substantial proportion of irredeemable stocks. The practical aspects of various kinds of 'switching' are then considered, using the standard portfolio as a criterion for measuring profit.

Discussion on the above papers, pp. 68-96.

VOL. 22, PART 3 (No. 183), 1954

YOUNG, J. *Experiments in connexion with returnable premiums in group pension schemes*, pp. 97-145. Deals with approximations designed to simplify valuation, premium calculations, and surrender values, under group schemes providing for return of the employee's contributions (without interest) on death. The approximations are examined experimentally by means of samples of actual schemes in force.

The Government Actuary's Department, pp. 146-52. (The article printed in *J.I.A.* 80, 107).

Continuous Mortality Investigation: pensioners under life office pension schemes, pp. 153-60. (The report published in *J.I.A.* 80, 395.)

VOL. 22, PART 4 (No. 184), 1954

HEWAT, A. F. and PENN, C. S. *Life assurance underwriting*, pp. 165-264. A comprehensive discussion of the various types of medical impairment met with in life assurance underwriting. In particular the problem of blood pressure is dealt with at some length and attention is drawn to a recent American study of the subject. The paper also refers to the special problems presented by female lives, and concludes with short sections on the methods of rating impaired lives and on non-medical business. The authors express scepticism as to the value of any statistical investigation of the experience of rated-up lives.

VOL. 22, PART 5 (NO. 185), 1954

The contents of this issue are practically identical with those of *J.I.A.* 80, part II—viz. the Bacon Group's report on the growth of pension rights and their impact on the national economy, the three discussions thereon, and the evidence submitted jointly by the Councils of the Institute and the Faculty to the Phillips Committee.

VOL. 23, PART 1 (NO. 186), 1954

WEATHERHEAD, K. K. *Presidential Address*, pp. 1-12. The Address deals mainly with investment policy and the criticism which has been directed against life offices that they are not providing the risk capital which industry needs. Reference is also made to current taxation problems and to research on mortality.