NOTES ON OTHER ACTUARIAL JOURNALS

UNITED STATES OF AMERICA

Proceedings of the Casualty Actuarial Society

Vol. 70

HECKMAN, P. E. and MEYERS, G. G. *The Calculation of Aggregate Loss Distributions from Claim Severity and Claim Count Distributions.* This paper demonstrates a neat, practical and easy to apply algorithm for calculating cumulative probabilities and excess pure premiums. The input required is the claim severity and claim count distributions.

MEYERS, G. G. and SCHENKER, N. *Parameter Uncertainty in the Collective Risk Model.* The authors put forward a new version of the collective risk model that allows for uncertainty in selecting the expected number of claims and the claim severity distribution. They apply their results to the rating process.

VENTNER, G. *Transformed Beta and Gamma Distributions and Aggregate Losses.* Distribution functions are introduced based on power transformations of beta and gamma distributions; the properties of these distributions and their application to aggregate losses are discussed.

Vol. 71

MEYERS, G. *Empirical Bayesian Credibility for Workmens Compensation Classification Ratemaking.* Empirical Bayesian credibility, a technique developed by Buhlmann and Straub, has been applied by the author to the important class of Workmens compensation. He uses it to determine relative ratings for different sub-groups within the main class and shows that it can produce improved accuracy over present ratemaking methods.

SHERMAN, R. E. *Extrapolating, Smoothing, and Interpolating Development Factors.* The field of loss reserving and loss development is currently very active. This is a useful paper illustrating a wide range of methods to smooth and interpolate development factors, where for example there is a lack of mature development experience or where inconsistencies exist in the data.