

## THE MATHEMATICAL SCIENTIST (TMS)

In 1988 the Applied Probability Trust assumed responsibility for the publication of TMS. Its first twelve volumes were published in Australia by CSIRO and the Australian Mathematical Society; starting with Volume 13 (1988) it became an Applied Probability Trust publication administered and distributed from the Trust's headquarters in Sheffield.

TMS contains papers on a variety of mathematical topics for the general information and enjoyment of mathematicians, statisticians and computer scientists; it also appeals to workers in any other discipline lending itself to the application of mathematical methods. The following contributions will appear in Volume 14 Number 2, to be published in December 1989:

Around Sylvester's law of nullity, by P. M. COHN

Kelvin's impulsive wrench with a free surface, by B. C. RENNIE

Fibonacci numbers and the golden mean in nature, by B. S. DAVIS and T. A. DAVIS

Aspects of matrix Wiener–Hopf factorisation in applied probability, by SØREN ASMUSSEN

Probabilistic derivation for the limit of the Markov binomial distribution,  
by WOLFGANG J. BÜHLER

Random sum characterizations, by R. K. MILNE and G. F. YEO

The problem of low response rates in surveys of the elderly,  
by M. E. THOMPSON and W. F. FORBES

No elementary proof of Blackwell's theorem,  
by F. W. STEUTEL and E. K. E. WILLEKENS

Readers are encouraged to submit short papers, letters and problems concerned with the theory and application of mathematics, statistics or computing. Material for publication should be presented in a clear and simple style, suitable for an informed but non-specialist mathematical audience, and may be sent to any member of the newly formed international editorial board of TMS:

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A new IMS publication

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The Institute of Mathematical Statistics will publish the first issue of its new journal, *The Annals of Applied Probability*, in February of 1991.

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