

- 93 Analysis of Longitudinal Twin Data. Basic Model and Applications to Physical Growth Measures**  
by Ronald S. Wilson
- 107 Analysis of Multiple Birth Rates in Japan. 1. Secular Trend, Maternal Age Effect, and Geographical Variation in Twinning Rates**  
by Yoko Imaizumi, Eiji Inouye
- 125 Probabilities of Concordance of Twins With Respect to Genetic Markers. A General Formulation**  
by Seppo Sarna
- 133 Dependency of Concordance Probability on Gene Frequencies in Genetic Systems for the Diagnosis of Twin Zygosity. A Graphical Presentation Enabling the Rapid, Optimal Choice of Genetic System**  
by Seppo Sarna, Jaakko Kaprio
- 139 Optimization Procedures in Twin Zygosity Diagnosis by Genetic Markers. A Cost-Effectiveness Analysis**  
by Seppo Sarna, Jaakko Kaprio
- 149 Glomerular Filtration Rate and Electrolyte Handling in Response to Sodium Loading and Depletion. A Twin Study**  
by C.E. Grim, Judy Z. Miller, Joe C. Christian
- 155 Appraisal of Parental Bias in Twin Studies. Ascribed Zygosity and IQ Differences in Twins**  
by Adam P. Matheny, Jr.
- 161 Holzinger's  $H_c$  Revised**  
by Gordon Allen
- SHORT NOTE**
- 165 Quantitative Twin Analysis of Radial and Ulnar Ridge Counts and Ridge Count Diversity**  
by Terry Reed, Joe C. Christian
- LETTERS TO THE EDITOR**
- 169 Applicability of Selvin's Efficiency Measure in Twin Zygosity Diagnosis by Genetic Systems**  
by Seppo Sarna and Jaakko Kaprio
- 170 A Reply to Sarna and Kaprio**  
by S. Selvin
- BOOK REVIEW**
- 171 The Two: A Biography**  
by Adam P. Matheny, Jr.