1991 HOMER SMITH AWARD
Cellular Mechanisms in Proximal Tubular P, Reabsorption: Some Answers and More Questions
Heini Murer .......................................................... 1647

EDITORIAL
Diagnosing Mozart's Mortal Illness: An Exercise in Cranio-Nephrology
Alan S.L. Yu, Barry M. Brenner ................................ 1666

EDITORIAL REVIEW
Did Mozart Die of Kidney Disease? A Review from the Bicentennial of His Death
Edward Gullery .......................................................... 1671

ARTICLES
Experimental Tests of Three-Dimensional Model of Urinary Concentrating Mechanism
Jin Suk Han, Keith A. Thompson, Chung-Lin Chou, Mark A. Knepper .............................. 1677

Urinary Concentrating Ability in Patients with Jk(a-b-) Blood Type Who Lack Carrier-Mediated Urea Transport
Jeff M. Sands, J. Jay Gargus, Otto Froehlich, Robert B. Gunn, Juha P. Kokko ..................... 1689

Atrial Natriuretic Peptide and Urinary Cyclic Guanosine Monophosphate in Patients With Chronic Heart Failure
William T. Abraham, Johannes Hensen, Jin K. Kim, Jacques Durr, Edward J. Lesnefsky, Bertron M. Groves, Robert W. Schrier .......................................................... 1697

Impaired Atrial Natriuretic Factor Systemic Clearance Contributes to Its Higher Levels in Uremia
Ramon Paniagua, Martha Franco, Ernesto Rodriguez, Gabriela Sanchez, Guadalupe Morales, Jaime Herrera-Acosta .......................................................... 1704

Interleukin-1 Regulates Cytokine Gene Expression in Human Mesangial Cells Through the Interleukin-1 Receptor Type 1
Carla Zoja, Stefania Bettoni, Marina Morigi, Giuseppe Remuzzi, Alessandro Rambaldi .................. 1709

Age-Related Changes in Glomerular Volume and Hydroxyproline Content in Rat and Human
Pedro Cortes, Xiuyan Zhao, Francis Durnier, Barbara C. Tilley, James Atherton ...................... 1716

Altered Synthesis and Intracellular Transport of Proteoglycans by Cyst-Derived Cells From Human Polycystic Kidneys
Hong Jin, Frank A. Carone, Sakie Nakamura, Zheng Z. Liu, Yashpal S. Kanwar ...................... 1726

continued
Epstein-Barr Virus Infection–Associated Renal Disease: Diagnostic Use of Molecular Hybridization Technology in Patients with Negative Serology
Tibor Nadasdy, Chang-Soo Park, Stephen C. Peiper, James E. Wenzel, James Oates, Fred G. Silva

ANNOUNCEMENTS.................................................. 1743
AUTHOR INDEX .......................................................... 1744
SUBJECT INDEX .......................................................... 1747