CONTENTS OF VOLUME 184

Solar and Lunar Rhythmicity in the Rat in 'Constant Conditions' and the Mechanism of Physiological Time Measurement
F. A. Brown, Jr., J. Shiriner and C. L. Ralph 491

Inhibitory Action of Bulbar and Suprabulbar Reticular Formation on the Spinal Reflex Pathway
Chandler McC. Brooks, Kiyomi Koizumi and Arthur A. Siebens 497

Renal Excretion of Inulin, Creatinine and Ferrocyanide, at Normal and Reduced Clearance Levels in the Dog
Michael Ladd, Lois Liddle and John A. Gagnon 505

Effects of Complete Ureteral Obstruction in Dogs on Kidney Function
Walter S. Kerr, Jr. 521

Creatinine Secretion by the Frog Renal Tubule
Robert E. Swanson 527

Transitubular Water Movement in the Isolated Doubly-Perfused Bullfrog Kidney
Robert E. Swanson, T. Hoshiko and M. B. Visscher 535

Excretion of Na and K by the Perfused Bullfrog Kidney and the Effect of Some Poisons
T. Hoshiko, Robert E. Swanson and M. B. Visscher 542

Effects of Digitalis and Hypoxia on Potassium Transfer and Distribution in the Dog Heart
Hadley L. Conn, Jr. 548

Water and Electrolyte Balance of Goldfish Under Conditions of Anoxia, Cold and Immersion
D. K. Meyer, B. A. Westfall and W. S. Platner 553

Influence of Temperature and Rate on the Contractility of Isolated Turtleneck Myocardium
B. Kötzting and A. Farah 557

Effect of Growth Hormone Preparations on Cardiac Hypertrophy and Blood Pressure of Hypophysectomized Rats
Margaret Beznok 563

Right Ventricular Contraction
Jorge Ansola 567

Relationship of Changes in Ionic Concentrations to the Augmentation Produced by Extra Contraction in Isolated Mammalian Ventricular Muscle
Mario Penna and Solomon Garb 572

Metabolism of Isotopic Lactate by the Isolated Dog Heart
H. Mead Cavert and John A. Johnson 575

Metabolism of Carboxyl-Labeled Short Chain Fatty Acids by the Isolated Dog Heart
H. Mead Cavert and John A. Johnson 582

Formation of Effective Collateral Circulation Following Excision of Hepatic Artery
N. C. Jefferson, M. I. Hassan, H. L. Popper and H. Necheles 589

Circulatory Pathways in the Rat Liver as Revealed by 34 Chromic Phosphate Colloid Uptake in the Isolated Perfused Liver Preparation
Ralph W. Bauer, G. F. Leong, R. F. McElroy and R. J. Holloway 593

Carotid Blood Pressure in Normal and Tumor-Bearing Mice
Sachindra N. Pradhan, Betty Achinstein and Murray J. Shear 599

Detection of Coronary Atherosclerosis in the Living Rabbit by the Ergonovine Stress Test
Seymour H. Rinzler, Janet Travell, Dorothy Karp and Diana Charleson 605

Regulation of the Circulation During Exercise, Cardiac Output (Direct Fick) and Metabolic Adjustments in the Normal Dog
A. C. Barger, V. Richards, J. Metcalfe and B. Günther 613

Leucocyte Changes in Rodents Exposed to Cold With and Without Restraint
Nathan Lavenda, Roscoe G. Bartlett, Jr. and Vira E. Kennedy 624

Quantitative Aspects of Antithrombin and Heparin in Plasma
David F. Waugh and Marie A. Fitzgerald 627

Immediate Capillary Stress Response
Jeno Kramar, V. William Meyers, Margaret Simuy-Kramar and Charles M. Wilhelmj, Jr. 640

Corrigendum

Page 188: Robert P. Geyer, Katherine J. Sholtz and Ethel J. Bowie, "Influence of Calcium on Potassium Concentration in Rat Liver in Vitro." Line 12, column 2: 112 mEq Na/l. should read 152 mEq Na/l.