CONTENTS OF VOLUME VII

ACTION OF A SYMPATHOMIMETIC DRUG AND OF THEOPHYLLINE ETHYLENE DIAMINE ON THE PULMONARY CIRCULATION. Gwenda R. Barer and A. J. Gunning .......................................................... 383

CIRCULATION OF LABELED ALBUMIN THROUGH THE AORTIC WALL OF THE DOG. Leroy E. Duncan, Jr., Jerome Cornfield and Katherine Buck ................. 390

SATURATED AND UNSATURATED FATS: EFFECTS ON CHOLESTEROLEMIA AND ATHEROSGENESIS IN CHICKS ON HIGH-CHOLESTEROL DIETS. J. Stamler, R. Pick and L. N. Katz ............................................... 398

ATHEROMATOUS CHANGES IN CHOLESTEROL-FED RABBITS TREATED WITH EGG-PLANT EXTRACT. W. Donald Graham, Joyce L. Beare and Harold C. Grice .......... 403

EFFECT OF ALTERATIONS IN SYSTEMIC PRESSURE UPON OXYGEN SATURATION IN PATIENTS WITH CONGENITAL HEART DISEASE. Richard P. Lasser and Gabriel Genkins .................................................. 410

INFLUENCE OF SYMPATHOMIMETIC PRESSOR DRUGS ON ARRHYTHMIAS CAUSED BY MULTIPLE STIMULI. J. L. Gilbert, Gertrude Lange and C. McC. Brooks .... 417

EFFECT OF POTASSIUM AND “TOXIC” DOSES OF DIGITALIS ON THE MYOCARDIUM. Charles Fisch, Edward F. Steinmetz, Alfred F. Fasola and B. L. Martz ....................................................... 424

THERMAL DILUTION CURVES IN THE INTACT ANIMAL. Allen V. N. Goodyer, Andrew Huvos, William F. Eckhardt and Robert H. Ostberg ....................... 432

EFFECT OF AGE AND CORONARY ARTERY DISEASE ON THE POSTURAL ADJUSTMENT OF PERIPHERAL CIRCULATION. Ernst Simonson ........................................... 442

EFFECT OF SATURATED AND UNSATURATED FATS ON THE CONCENTRATION OF SERUM CHOLESTEROL AND EXPERIMENTAL ATHEROSCLEROSIS. Alfred Steiner, Aristides Varsos and Paul Samuel ........................................... 448

THEORETICAL AND PRACTICAL REQUIREMENTS FOR THE VALID MEASUREMENT BY INDICATOR-DILUTION OF REGURGITANT FLOW ACROSS INCOMPETENT VALVES. William W. Lacy, William H. Goodson, William G. Wheeler and Elliot V. Newman .............................................. 454

PERFUSION OF A STRIP OF MAMMalian VENTRICLE: EFFECTS OF K-RICH AND NA-DEFICIENT SOLUTIONS ON TRANSMEMBRANE POTENTIALS. Jean Délidez ........ 461

OXYGEN CONSUMPTION OF THE THORACIC AORTA OF NORMAL AND HYPERCHOLESTEREMIC RATS. F. J. Loometier and J. P. Ostendorf ................... 466

TURNOVER OF CHOLESTEROL IN THE ARTERY WALLS OF NORMAL CHICKENS. Seymour Dayton ................................................................. 468

EFFECTS OF RENAL HYPERTENSION ON CORONARY BLOOD FLOW, CARDIAC OXYGEN CONSUMPTION AND RELATED CIRCULATORY DYNAMICS OF THE DOG. James W. West, Hermann Mercher, Herbert Wendel and Elwood L. Foltz 476

PHYSIOLOGIC AND ANATOMIC EFFECTS OF PROPYLTHIOURACIL ON NORMAL AND HYPERTENSIVE RATS. M. J. Fregly and C. I. Hood ............... 486

BOOK REVIEWS ................................................................. 497

AMERICAN HEART ASSOCIATION ........................................... 499

CONTRIBUTORS TO THIS ISSUE .............................................. 503

No. 4

EDITORIAL

CARDIAC RESPONSE TO EXERCISE. Carl F. Schmidt .................. 507

THE ADRENAL GLAND AND THE CARDIOVASCULAR CHANGES IN ACUTE ANOXIC ANOXIA IN DOGS. C. W. Baugh, R. W. Cornett and J. D. Hatcher 513

EFFECT OF HISTAMINE AND OF THE ANAPHYLACTIC REACTION ON ISOLATED GUINEA PIG ATRIA. Mario Penna, Alejandro Illanes, Mario Ubilla and Sergio Mujica .......................................... 521