Contents of Volume 31

Key to Sections:
1. Circulation
2. Respiration
3. Renal & Electrolyte Physiology
4. Gastrointestinal Physiology
5. Endocrinology & Metabolism
6. Environmental Physiology & Exercise
7. Comparative Physiology
8. General Physiology
9. Neurobiology
10. Hematology
11. Muscle Physiology

No. 1 July 1971

SECTION | PAGE
---|---
3 | Water and electrolyte metabolism in skeletal muscle of exercising rats. P. Körge and A. Viru 1
3 | Water and electrolyte metabolism in myocardium of exercising rats. P. Körge and A. Viru 5
1, 2, 8 | Protein synthesis by lung following pulmonary artery ligation. D. Massaro, H. Weiss, and G. White 8
2, 6, 9 | Stimulation of lung irritant receptors by cigarette smoke, carbon dust, and histamine aerosol. H. Sellick and J. G. Widdicombe 15
6 | Effect of training on plasma enzyme levels in man. J. B. Hunter and J. B. Critz 20
6 | Total body cooling in warm environments. E. Shortz and D. Benor 24
2, 6 | Cerebrospinal fluid acid-base composition at high altitude. S. C. Sørensen and J. S. Milledge 28
9, 5, 11 | Effect of distension on metabolism of excised dog lung. E. E. Faridy and A. Naimark 31
1, 5, 8 | Blood flow in canine tibial diaphysis estimated by toadantypyline-125I washout. P. J. Kelly, T. Yipintsoi, and J. B. Bassingthwaite 38
6, 7 | Thermoregulation in the squirrel monkey (Saimiri sciureus). J. T. Stitt and J. D. Hardy 48
2 | Variability of maximum expiratory flow volume curves and effort independency. J. Clément and K. P. van de Woestijne 55
3, 6 | Sodium ion conservation during acclimatization of man to work in the heat. K. A. Smiles and S. Robinson 63
1, 2 | Quantitative computer analysis of cardiac and respiratory activity in newborn infants. P. A. Tarbu, I. Välimäki, and P. M. Rautaharju 70
10 | Glycine decarboxylation as an assay for erythrocyte aminolevulinic acid synthesis. M. Lewis 76
6 | Importance of skin temperature in the regulation of sweating. E. R. Nadel, R. V. Bullard, and J. A. J. Stolwijk 80
5 | Circadian variation in copper and zinc in man. M. D. Lifschitz and R. I. Henkin 88
1, 5 | Optical consequences of blood substitution on tissue oxidation-reduction state microfluorometry. S. Kobayashi, K. Nishiki, K. Kaede, and E. Ogata 93
1, 2, 8 | Rolus-augmented continuous injection of indicators for cardiac output. A. W. Brody, T. C. Connolly, K. P. Lyons, J. J. McGill, and J. R. Johnson 117

SPECIAL COMMUNICATIONS

1, 2, 8 | Analysis and solubility of dimethyl and diethyl ether in water, saline, oils, and blood. A. W. Brody, K. P. Lyons, J. I. Kurmuski, J. J. McGill, and M. J. Weaver 125
1 | A method for comparing transmitted and reflected light photoelectric plethysmography. G. Uretzky and Y. Patil 132
9 | Hybrid circuit for increasing the dynamic range of pen recorders. P. Fanourian and A. Taylor 136
1 | Miniature hydraulic occluder for zero blood flow determination. V. G. Dobley 138
6, 7 | Surface area of the squirrel monkey in relation to body weight. J. T. Stitt, J. D. Hardy, and E. R. Nadel 140
1, 3, 5 | A solid silver clip for induction of predictable levels of renal hypertension in the rat. F. H. H. Leenen and W. de Jong 142
1 | A computer program to estimate cardiac output directly from dye-dilution curves. R. C. Hall and M. J. Tyler 145
1 | Computation of transit time distributions using sampled data Laplace transforms. G. R. Neufeld 148
1, 2, 10 | A rapid method for simultaneous measurement of carboxy- and methemoglobin in blood. K. A. Small, E. P. Rudford, J. M. Frazier, F. L. Rodkey, and H. A. Colllum 154
3, 8, 10 | Sodium outflux and ATPase activity in human and rabbit erythrocytes. J. D. Gardner and J. A. Lopex 161
2, 6, 8 | Portable respiratory gas collection equipment. J. T. Daniels 164
2, 5, 8 | A new interpretation of V02 max. W. D. Denckla 168