Natural history of cyanotic malformations and comparison of all common cardiac malformations

Maurice Campbell

24-year follow-up on a patient with a Blalock-Taussig anastomosis at 23 months

Helen B. Taussig

Fallot's tetralogy: a 20-year surgical follow-up

Dennis Deuchar, L. Lopez Bescos, and Sivaporn Chakorn

The story of fatty heart A disease of Victorian times

Evan Bedford

Long-term results of complete correction with homograft reconstruction in pulmonary outflow tract atresia

Jane Somerville and D. Ross

The early detection of congenital malformations of the heart

Hamish Watson

Congenital heart disease in male and female subjects with somatic features of Turner's syndrome and normal sex chromosomes (Ullrich's and related syndromes)

D. C. Siggers and Paul E. Polani

Long-term follow-up of congenital aortic stenosis after surgery

Jean Shackleton, F. R. Edwards, B. J. Bickford, and R. S. Jones

Oxygen and nitrous oxide uptake during general anaesthesia for cardiac catheterization in infants with congenital heart disease

R. S. Jones, F. Meade, and J. B. Owen-Thomas

The heart in lentiginosis

Jane Somerville and R. E. Bonham-Carter

Natural history of acute coronary heart attacks. A community study

A. Armstrong, Barbara Duncan, M. F. Oliver, D. G. Julian, K. W. Donald, Mary Fulton, W. Lutz, and S. L. Morrison

Comparison between scalar and corrected orthogonal electrocardiogram in diagnosis of acute myocardial infarcts

J. Erikssen and C. Müller

Pulmonary artery banding in isolated or complicated ventricular septal defects. Results and effects on growth

S. Menahem and A. W. Venables

Haemodynamic effects of practolol

D. G. Gibson and D. J. Coltart

Electrical activation of ventricles and interventricular septum in hypertrophic obstructive cardiomyopathy

R. Th. van Dam, J. P. Roos, and D. Durrer

Case Report
Cardiomyopathy accompanying industrial cobalt exposure

M. Barborik and J. Dusek
## CONTENTS OF VOLUME 34

### Number 1

<table>
<thead>
<tr>
<th>Editorial: Maurice Campbell</th>
<th>K. Shirley Smith</th>
<th>1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Natural History of Cyanotic Malformations and Comparison of All Common Cardiac Malformations</td>
<td>Maurice Campbell</td>
<td>3</td>
</tr>
<tr>
<td>24-Year Follow-up on a Patient with a Blalock-Taussig Anastomosis at 23 Months</td>
<td>Helen B. Taussig</td>
<td>9</td>
</tr>
<tr>
<td>Fallot's Tetralogy: a 20-Year Surigal Follow-up</td>
<td>Dennis Deuchar, L. Lopez Bescos, and Sivaporn Chakorn</td>
<td>12</td>
</tr>
<tr>
<td>The Story of Fatty Heart A Disease of Victorian Times</td>
<td>Evan Bedford</td>
<td>23</td>
</tr>
<tr>
<td>Long-term Results of Complete Correction with Homograft Reconstruction in Pulmonary Outflow Tract Atresia</td>
<td>Jane Somerville and D. Ross</td>
<td>29</td>
</tr>
<tr>
<td>The Early Detection of Congenital Malformations of the Heart</td>
<td>Hamish Watson</td>
<td>37</td>
</tr>
<tr>
<td>Congenital Heart Disease in Male and Female Subjects with Somatic Features of Turner's Syndrome and Normal Sex Chromosomes (Ullrich's and Related Syndromes)</td>
<td>D. C. Siggers and Paul E. Polani</td>
<td>41</td>
</tr>
<tr>
<td>Long-term Follow-up of Congenital Aortic Stenosis after Surgery</td>
<td>Jean Shackleton, F. R. Edwards, B. J. Bickford, and R. S. Jones</td>
<td>47</td>
</tr>
<tr>
<td>Oxygen and Nitrous Oxide Uptake During General Anaesthesia for Cardiac Catheterization in Infants with Congenital Heart Disease</td>
<td>R. S. Jones, F. Meade, and J. B. Owen-Thomas</td>
<td>52</td>
</tr>
<tr>
<td>The Heart in Lentiginosis</td>
<td>Jane Somerville and R. E. Bonham-Carter</td>
<td>58</td>
</tr>
<tr>
<td>Comparison Between Scalar and Corrected Orthogonal Electrocardiogram in Diagnosis of Acute Myocardial Infarcts</td>
<td>J. Eriksen and C. Müller</td>
<td>81</td>
</tr>
<tr>
<td>Pulmonary Artery Banding in Isolated or Complicated Ventricular Septal Defects. Results and Effects on Growth</td>
<td>S. Menahem and A. W. Venables</td>
<td>87</td>
</tr>
<tr>
<td>Haemodynamic Effects of Proctiolol</td>
<td>D. G. Gibson and D. J. Coltart</td>
<td>95</td>
</tr>
<tr>
<td>Electrical Activation of Ventricle and Interventricular Septum in Hypertrophic Obstructive Cardiomyopathy</td>
<td>R. Th. van Dam, J. P. Roos, and D. Durrer</td>
<td>100</td>
</tr>
<tr>
<td>Case Report</td>
<td></td>
<td>113</td>
</tr>
</tbody>
</table>

### Number 2

<table>
<thead>
<tr>
<th>Editorial: Cardiac Catheterization</th>
<th>Graham Miller</th>
<th>117</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ventricular Septal Defect Repair after Pulmonary Artery Banding</td>
<td>E. N. Coleman, J. M. Reid, R. S. Barclay, and J. G. Stevenson</td>
<td>134</td>
</tr>
<tr>
<td>Quinidine before Direct Current Countershock. A Controlled Study</td>
<td>L. Hillestad, J. Dale, and O. Storstein</td>
<td>139</td>
</tr>
<tr>
<td>Prevalence Survey for Chronic Rheumatic Heart Disease and Rheumatic Fever in Northern India</td>
<td>J. N. Berry</td>
<td>143</td>
</tr>
<tr>
<td>Quantitative Study of Ageing Changes in the Human Sinoatrial Node and Internodal Tracts</td>
<td>M. J. Davies and Airela Pomerance</td>
<td>150</td>
</tr>
<tr>
<td>His Bundle Recordings in Right Bundle-Branch Block Coexisting with Iatrogenic Right Ventricular Pre-excitation</td>
<td>A. Castellanos, Jr. and C. A. Castillo</td>
<td>153</td>
</tr>
<tr>
<td>Mitral Components of the First Heart Sound</td>
<td>J. B. Lakier, V. U. Fritz, W. A. Pocock, and J. B. Barlow</td>
<td>160</td>
</tr>
<tr>
<td>Tachycardia-dependent Versus Bradycardia-dependent Intermittent Bundle-Branch Block</td>
<td>Nabil El-Sherif</td>
<td>167</td>
</tr>
</tbody>
</table>
Prolonged Survival in Aortic Haematoma. Diagnosis and Rational Therapy
H. D. Friedberg, G. F. D'Cunha, F. E. Tristani, and J. R. Dorchak

Anatomical Variations in Atroventricular Conduction System with Reference to Ventricular Septal Defects
R. A. Latham and R. H. Anderson

Idiopathic Hypertrophic Subaortic Stenosis with and without Mitral Regurgitation. Phonocardiographic Differentiation from Rheumatic Mitral Regurgitation
K. M. Lindgren and S. E. Epstein

Familial Atrial Septal Defect in a Single Generation
T. J. Richer, W. J. Gallen, and D. Z. Friedberg

Proceedings of the British Cardiac Society
Case Reports

Number 3

Electrocardiographic Abnormalities and Some Laboratory Findings in Patients with Subarachnoid Haemorrhage
A. Eisalo, J. Peräsalo, and P. Halonen

Transient Systolic Hypertension after Aortic Valve Replacement
M. J. McQueen, M. E. Watson, and W. H. Bain

Serum Peptidases in Myocardial Infarction
Andrzej Szczeklik, Apolinary Szewczuk, Halina Howosad, and Barbara Kołaczkowska

Leucocyte Ascorbic Acid Levels after Acute Myocardial Infarction
R. Hume, E. Weyers, T. Rowan, D. S. Reid, and W. S. Hillis

Respiratory and Circulatory Effects of Pentazocine. Review of Analgesics Used after Myocardial Infarction
R. E. Nagle and J. Pilcher

Effects of a Beta-Adrenergic Receptor Blocker in Myocardial Infarction Treated for One Year from Onset
J. L. Reynolds and R. M. L. Whitlock

Clinical Evaluation of Practolol in Acute Arrhythmias
Z. Rymaszewski, W. Poplawska, J. Prebisz, and W. Januszewicz

Postsurgical Left Anterior Hemiblock and Right Bundle-Branch Block
J. W. Downing, Jr., S. Kaplan, and K. E. Bove

Right Ventricular Endocardial Potential in Acute Massive Pulmonary Embolism
K. Chatterjee, G. C. Sutton, and G. A. H. Miller

Influence of Structural and Functional Features of Ventricular Septal Defect on Frontal Plane QRS Axis of the Electrocardiogram
Heikki Bäckman

Systemic Lupus Erythematosus During Treatment with Procainamide
E. T. Swarbrick and Ian R. Gray

Racial Incidence of Coarctation of Aorta
R. L. van der Horst and M. S. Gotsman

Abnormalities of Atrial Depolarization in Infraatriaphragnostic Interruption of Inferior Vena Cava
R. L. van der Horst and M. S. Gotsman

Third Heart Sound after Mitral Valve Replacement
N. Coulsed and E. J. Epstein

Note on Drug Treatment of Complete Heart Block
H. A. Fleming and Sheila M. Bailey

Interpretation of Complex Demand Pacemaker Arrhythmias
S. S. Barold, J. J. Gaidula, R. L. Banner, G. I. Litman, and S. Goldstein

Case Reports

Number 4

Effect of Rapid Timed Injection in Various Phases of Cardiac Cycle on Value of Aortic Regurgitation in Man Estimated by Indicator Dilution Technique
A. M. Yousof, G. Endrys, and L. Steinhart

Digitalis Induced Paroxysmal Atrial Tachycardia with AV Block
B. L. Agarwal and B. V. Agarwal

Pathogenesis of Atrial Arrhythmias
B. A. Sims

Aberrant Atrial Conduction. Unrecognized Electrocardiographic Entity
Edward K. Chung
<table>
<thead>
<tr>
<th>Title</th>
<th>Author(s)</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Major Pulmonary Embolism, a Correlation of Clinical Findings, Haemodynamics, Pulmonary Angiography, and Pathological Physiology</td>
<td>I. G. McDonald, J. Hirsh, G. S. Hale, and E. F. O'Sullivan</td>
<td>356</td>
</tr>
<tr>
<td>Concealed Conduction in Left Bundle of His</td>
<td>A. Mazzoleni, D. Johnson, E. Fletcher, and R. N. Class</td>
<td>365</td>
</tr>
<tr>
<td>Concealed Wenckebach Phenomena in the Left Bundle-Branch</td>
<td>H. David Friedberg and Leo Schamroth</td>
<td>370</td>
</tr>
<tr>
<td>Plasma Digoxin Concentration—its Relation to Digoxin Dosage and Clinical Effects in Patients with Atrial Fibrillation</td>
<td>Arne Redfors</td>
<td>383</td>
</tr>
<tr>
<td>Atrial Flutter. A Rare Manifestation of Digitalis Intoxication</td>
<td>B. L. Agarwal, B. V. Agrawal, R. K. Agarwal, and S. C. Kansal</td>
<td>392</td>
</tr>
<tr>
<td>Monophasic Action Potential of Right Human Atrium During Atrial Flutter and After Conversion to Sinus Rhythm. Argument for Re-entry Theory</td>
<td>S. Gavrilcescu and S. Cotoi</td>
<td>396</td>
</tr>
<tr>
<td>Survival After First Presentation with Endomyocardial Fibrosis</td>
<td>P. G. D'Arbela, T. Mutazindwa, A. K. Patel, and K. Somers</td>
<td>403</td>
</tr>
<tr>
<td>Simplified Estimation of Aortic Valve Area</td>
<td>R. J. Bache, C. R. Jorgensen, and Yang Wang</td>
<td>408</td>
</tr>
<tr>
<td>Bone Changes in Congenital Cyanotic Heart Disease</td>
<td>H. Singh, A. Parkash, M. Saini, and P. L. Wahi</td>
<td>412</td>
</tr>
<tr>
<td>Systemic Arterial Supply to the Lungs in Pulmonary Atresia and its Relation to Pulmonary Artery Development</td>
<td>K. Jefferson, S. Rees, and Jane Somerville</td>
<td>418</td>
</tr>
<tr>
<td>Case Reports</td>
<td></td>
<td>428, 431, 434</td>
</tr>
<tr>
<td>Editorial: Pathology and Valvular Heart Disease</td>
<td>Ariela Pomerance</td>
<td>437</td>
</tr>
<tr>
<td>Clinical and Electrophysiological Importance of Latency and Supernormal Phase of Heart Cycle</td>
<td>George Csapó</td>
<td>444</td>
</tr>
<tr>
<td>Factors Discriminating Men with Coronary Heart Disease from Healthy Controls</td>
<td>Susan G. Cotton, Janice M. Nixon, R. G. Carpenter, and D. W. Evans</td>
<td>458</td>
</tr>
<tr>
<td>Platelet Studies in Patients with Coronary Artery Disease and in their Relatives</td>
<td>J. R. Hampton and R. Gorlin</td>
<td>465</td>
</tr>
<tr>
<td>Atrioventricular Conduction in Acute Rheumatic Fever</td>
<td>Malcolm Clarke and J. D. Keith</td>
<td>472</td>
</tr>
<tr>
<td>Study of Normal and Abnormal Movements of Mitral Valve Ring Using Reflected Ultrasound</td>
<td>S. A. Chakorn, D. C. Siggers, C. F. P. Wharton, and D. C. Deuchar</td>
<td>480</td>
</tr>
<tr>
<td>Heart Block in Ankylosing Spondylitis and Uropolyarthritis</td>
<td>L. E. Böttiger and O. Edhag</td>
<td>487</td>
</tr>
<tr>
<td>Haemodynamics After Mitral Valvotomy. Reasons for Unsatisfactory Clinical Results</td>
<td>A. Moccetti, H. Albert, A. Bühllmann, A. Senning, and P. Lichtlen</td>
<td>493</td>
</tr>
<tr>
<td>Changes in Heart Size After Homograft Replacement of Aortic, Mitral, or Both Aortic and Mitral Valves</td>
<td>M. Baidya, K. Hollinrake, and Magdi H. Yacoub</td>
<td>503</td>
</tr>
<tr>
<td>Hazard of Cardiac Catheterization in Patients with Ventricular Pre-excitation</td>
<td>C. Ward, K. G. Lowe, and H. Watson</td>
<td>508</td>
</tr>
<tr>
<td>Unusual Electrocardiographic Changes in Ebstein’s Anomaly</td>
<td>F. Follath and K. A. Hallidie-Smith</td>
<td>513</td>
</tr>
<tr>
<td>Pathology of Atrial Fibrillation in Man</td>
<td>M. J. Davies and Ariela Pomerance</td>
<td>520</td>
</tr>
<tr>
<td>Short Stay Hospital Treatment and Rapid Rehabilitation of Cases of Myocardial Infarction in a District Hospital</td>
<td>G. R. Royston</td>
<td>526</td>
</tr>
<tr>
<td>Isovolumic Contraction Time and Isovolumic Contraction Time Index in Mitral Stenosis. Study on Basis of Polygraphic Tracing (Apex Cardiogram, Phonocardiogram, and Carotid Tracing)</td>
<td>Vesselin I. Oreshkov</td>
<td>533</td>
</tr>
<tr>
<td>Case Reports</td>
<td></td>
<td>537, 541</td>
</tr>
</tbody>
</table>
Number 7—(continued)

Plasma $^{125}$I-LABELLED FIBRINOGEN CLEARANCE IN DIAGNOSIS OF DEEP VENOUS THROMBOSIS AFTER MYOCARDIAL INFARCTION A. V. Simmons, Margaret A. Sheppard, and A. F. Cox 711
STUDIES OF HEART BLOCK WITH HIS BUNDLE ELECTROGRAMS S. Bekheit, J. G. Murtagh, P. Morton, and E. Fletcher 717
ASPECTS OF PRE-excitation AND ITS ELUCIDATION BY HIS BUNDLE ELECTROGRAMS Charles S. Smithen and Dennis M. Krikel 735
NEW TECHNIQUE FOR ANGIOGRAPHIC VISUALIZATION OF MEMBRANEOUS SUBAORTIC STENOSIS A. I. Schaffer, H. Kania, C. E. Cucci, and N. P. DePasquale 742
HEREDITARY PROLONGATION OF QT INTERVAL Bengt W. Johansson and Bengt Jorming 744
CASE REPORTS 752, 755, 758

Number 8

CORONARY SINUS AND SUBVALVULAR LEFT VENTRICULAR ANEURYSM Apsley Pellatt 761
PHONOCARDIOGRAPHIC, RADIOLOGICAL, AND HAEMODYNAMIC CORRELATION IN ATRIAL SEPTAL DEFECT A. Rees, Odette Farru, and R. Rodriguez 781
HAEMODYNAMICS AND MYOCARDIAL FUNCTION AFTER SOTALOL I. Hutton, A. R. Lorimer, W. S. Hillis, D. McCall, J. M. Reid, and T. D. V. Lawrie 787
HAEMODYNAMIC EFFECTS OF BALLOON ATRIAL SEPTOSTOMY IN INFANTS WITH TRANSPOSITION OF THE GREAT ARTERIES Michael Tynan 791
CONTRIBUTION OF HIS BUNDLE RECORDINGS TO ANALYSIS OF ABNORMAL BEATS WITH RIGHT BUNDLE-BRANCH BLOCK—SUPERIOR AXIS PATTERN A. Castellanos, Jr., H. O'Brien, C. A. Castillo, R. J. Myerburg, and B. Beffler 795
STUDY OF RIGHT BUNDLE-BRANCH BLOCK IN ASSOCIATION WITH EITHER LEFT ANTERIOR HEMIBLOCK OR LEFT POSTERIOR HEMIBLOCK USING HIS BUNDLE ELECTROGRAMS R. A. J. Spurrell, C. S. Smithen, and E. Sowton 800
HISTOPATHOLOGICAL EXAMINATION OF CONCEPT OF LEFT HEMIBLOCK J. C. Demoulin and H. E. Kulbertus 807
ETHYL ALCOHOL. EFFECTS ON CORONARY BLOOD FLOW IN MAN L. Gould, C. Collica, M. Zahir, and R. F. Gomprecht 815
MYOCARDITIS AND CARDIOMYOPATHY AFTER ARBOVIRUS INFECTIONS (DENGUE AND CHIKUNGUNYA FEVER) Ivor Obeyesekere and Yvette Hermon 821
CONDUCTING TISSUE OF THE HEART IN KWASHIORKOR B. A. Sims 828
VENTRICULAR ANEURYSM. AN APPRAISAL OF DIAGNOSIS AND SURGICAL TREATMENT J. D. Graber, C. M. Oakley, B. N. Pickering, J. F. Goodwin, M. J. Raphael, and R. E. Steiner 830
WOLFF-PARKINSON-WHITE SYNDROME IN INFANTS AND CHILDREN. A LONG-TERM FOLLOW-UP STUDY Andrea C. V. Gardina, Kathryn H. Ehlers, and Mary Allen Engle 839
CLINICAL EVALUATION OF OXPRENOLOL IN ANGINA PECTORIS G. Sandler and A. Pistevos 847
PARADOXICAL ELECTROCARDIOGRAPHIC EFFECTS OF AMYL NITRITE IN CORONARY ARTERY DISEASE Richard E. Kerber and Donald C. Harrison 851
OBITUARY: JEAN LENÈGRE 854
CASE REPORTS 859, 862, 865

Number 9

EDITORIAL: CATECHOLAMINES D. C. Fluck 869
DURATION OF PHASES OF LEFT VENTRICULAR SYSTOLE USING INDIRECT METHODS. I: NORMAL SUBJECTS J. Fabian, E. J. Epstein, and N. Coulsed 874
DURATION OF PHASES OF LEFT VENTRICULAR SYSTOLE USING INDIRECT METHODS. II: ACUTE MYOCARDIAL INFARCTION J. Fabian, E. J. Epstein, N. Coulsed, and C. S. McKendrick 882
RELATION OF CARDIAC COMPLICATIONS TO SGOT LEVEL IN ACUTE MYOCARDIAL INFARCTION B. L. Chapman 890
HEART VALVE INVOLVEMENT IN ENDO MYOCARDIAL FIBROSIS. G. Farrer-Brown and M. H. Tarbit 1062
THYROID SECRETION RATE AFTER MYOCARDIAL INFARCTION
W. A. Harland, J. S. Orr, M. G. Dunnigan, and R. F. C. Sequeira 1072
CASE REPORTS

Number 11
SYSTEMATIZATION AND CLINICAL STUDY OF DEXTROVERSION, MIRROR-IMAGE DEXTROCARDIA, AND LAEVOVERSION G. Anselmi, S. Muñoz, P. Blanco, I. Machado, and María V. de la Cruz 1085
HIS BUNDLE ELECTROGRAM IN CHILDREN. STATISTICAL CORRELATION OF THE ATRIOVENTRICULAR CONDUCTION TIMES IN CHILDREN WITH THEIR AGE AND HEART RATE
Nigel Roberts and Peter Olley 1099
EFFECT OF PHENTOLAMINE ON ATRIOVENTRICULAR CONDUCTION IN MAN ASSESSED BY RECORDING HIS BUNDLE POTENTIAL
A. H. Khan, D. R. Boughner, and R. Haider 1102
INFECTIVE ENDOCARDITIS. AN AFRICAN EXPERIENCE
K. Somers, A. K. Patel, I. Steiner, P. G. D’Arbela, and M. S. R. Hutt 1107
REAPPRAISAL OF CARDIOVASCULAR SURVEYS IN JAMAICA. USE OF SUBMAXIMAL EXERCISE TEST FOR CLINICAL INVESTIGATION
G. J. Miller and M. T. Ashcroft 1113
WENCKEBACH PHENOMENON WITHIN THE ATRIA
A. Castellanos, Jr., R. Iyengar, A. S. Agha, and C. A. Castillo 1121
SECOND-DEGREE WENCKEBACH TYPE AV BLOCK DUE TO BLOCK WITHIN THE ATRIUM
O. S. Narula, M. Runge, and P. Sameti 1127
ACUTE MAJOR PULMONARY EMBOLISM AS A CAUSE OF EXAGGERATED RESPIRATORY BLOOD PRESSURE VARIATION AND PULSUS PARADOXUS
I. G. McDonald, J. Hirsh, V. M. Jelinek, and G. S. Hale 1137
THERMAL DILUTION MEASUREMENT OF PULMONARY AND SYSTEMIC BLOOD FLOW IN SECUNDUM ATRIAL SEPTAL DEFECT, AND TRANSPOSITION OF GREAT ARTERIES WITH INTACT INTERVENTRICULAR SEPTUM
E. D. Silove, M. J. Tynan, and A. J. Simcha 1142
TWIN STUDIES IN HYPERTROPHIC CARDIOMYOPATHY
W. A. Littler 1147
HAEMODYNAMIC AND SOUND EVENTS PRECEDING FIRST HEART SOUND IN MITRAL STENOSIS
J. B. Lakier, W. A. Pocock, G. E. Gale, and J. B. Barlow 1152
LEFT VENTRICULAR HAEMODYNAMICS BEFORE AND SOON AFTER SAPHENOUS VEIN BYPASS GRAFT OPERATION FOR ANGINA PECTORIS
DIAGNOSTIC VALUE OF VECTORCARDIOGRAM IN STRICTLY POSTERIOR INFARCTION
W. Gray, M. Corbin, J. King, and M. Dunn 1163
P WAVE OF ELECTROCARDIOGRAM IN EARLY ISCHAEMIC HEART DISEASE
H. J. N. Bethell and P. G. F. Nixon 1170
SIGNS OF PERICARDIAL CONSTRUCTION IN RUPTURE OF VENTRICULAR SEPTUM COMPLICATING MYOCARDIAL INFARCTION
T. G. Feest, G. C. Sutton, R. J. Vecht, and R. V. Gibson 1176
CASE REPORTS
1181, 1186, 1189
CORRESPONDENCE
1192

Number 12
CARDIOLOGY IN THE DAYS OF LAENNEC. THE STORY OF AUSCULTATION OF THE HEART
Evan Bedford 1193
CONDUCTION DISTURBANCES AFTER SURGICAL CLOSURE OF VENTRICULAR SEPTAL DEFECT
G. M. Ziady, K. A. Hallidie-Smith, and J. F. Goodwin 1199
DEVELOPMENT OF ATRIOVENTRICULAR SPECIALIZED TISSUE IN HUMAN HEART
Robert H. Anderson and Ian M. Taylor 1205
ELECTRICAL CONVERSION OF ATRIAL FLUTTER TO ATRIAL FIBRILLATION. FLUTTER MECHANISM IN MAN
Timothy E. Guiney and Bernard Lown 1215
Number 12—(continued)

COARCTATION OR INTERRUPTION OF AORTA PROXIMAL TO ORIGIN OF BOTH SUBCLAVIAN ARTERIES. REPORT OF THREE CASES PRESENTING IN INFANCY
A. R. Subramanian 1225

MORPHOLOGICAL STUDY OF CORONARY VENOUS SYSTEMS IN CARDIAC DISORDERS
B. N. Datta and B. B. Gupta 1227

ELECTROPHYSIOLOGICAL FEATURES OF MOBITZ TYPE II AV BLOCK OCCURRING WITHIN THE HIS BUNDLE
P. K. Gupta, E. Lichstein, and K. D. Chadda 1232

ORAL CONTRACEPTIVES AND HYPERTENSION. AN EPIDEMIOLOGICAL SURVEY
T. M. Clozy, B. N. Foy, R. L. Hodge, and E. R. Lumbers 1238

STUDY OF INTRAVENTRICULAR CONDUCTION TIMES IN PATIENTS WITH LEFT BUNDLE-BRANCH BLOCK AND LEFT AXIS DEVIATION AND IN PATIENTS WITH LEFT BUNDLE-BRANCH BLOCK AND NORMAL QRS AXIS USING HIS BUNDLE ELECTROGRAMS
R. A. J. Spurrell, D. M. Krikler, and E. Sowton 1244

MICROVASCULAR STUDY OF HEARTS WITH ENDOMYOCARDIAL FIBROSIS
G. Farrer-Brown, M. H. Tarbit, K. Somers, and M. S. R. Hutt 1250

SIGNIFICANCE OF ANNULUS FIBROSUS OF HEART IN RELATION TO AV CONDUCTION AND VENTRICULAR ACTIVATION IN CASES OF WOLFF-PARKINSON-WHITE SYNDROME
Antoine A. Verduyn Lunel 1263

EFFECTS OF NEW BETA-BLOCKING AGENT (DL-TIPRENOL) ON CONDUCTION WITHIN NORMAL AND ANOMALOUS ATRIOVENTRICULAR PATHWAYS OF WOLFF-PARKINSON-WHITE SYNDROME
J. Roolandt, L. Schamroth, and P. G. Hugenholtz 1272

MOBILE CORONARY CARE, THE CORONARY AMBULANCE
G. Sandler and A. Pistevos 1283

FOCAL MYOCARDITIS IN FAMILIAL DYSTROPHIA MYOTONICA
Alf Rausing 1292

HAEMODYNAMIC EFFECTS OF SELECTIVE BETA-ADRENERGIC BLOCKADE DURING ACUTE STAGE MYOCARDIAL INFARCTION
A. Epois, P. Rocha, G. Roudy, J. Bardet, J. P. Bourdarias, and A. Mathivat 1295

THE DENTAL STATUS OF CARDIAC PATIENTS
Allan R. Thom and Geoffrey L. Howe 1302

CASE REPORTS
1308, 1311, 1314

INDEX 1317