

## NOTICE TO CONTRIBUTORS

THORAX is the Journal of "The Thoracic Society." It is primarily intended for the publication of original work on diseases of the chest and relevant anatomical and physiological studies. Original contributions may be submitted to the Editors by workers who are not members of the Society. The journal is published quarterly.

All papers submitted for publication and all other editorial matters should be referred to one of the Editors, whose names and addresses are as follows:—

N. R. Barrett, F.R.C.S., Dept. of Surgery, St. Thomas's Hospital, London, S.E.1.

A. John Robertson, M.D., M.R.C.P., 70, Rodney Street, Liverpool, 1.

Papers may also be sent, in the first instance, to any member of the Editorial Committee.

Papers are accepted on the understanding that they are subject to editorial revision and that they are contributed to this journal only. Adequate reference should be made to previous work on the subject of the paper. A summary of observations and conclusions must be given. A paper describing a single case will not generally be accepted unless the case is rare, or shows important features which have not been previously described, or has been made the subject of special observation or experiment.

Papers sent for publication must be typewritten on one side of the paper only, with double spacing and with a margin of at least 1½ in. Where half-tone reproduction of radiographs is required authors should submit *positive* prints and satisfy themselves that the appearances which they desire to demonstrate are shown clearly on the prints. If the Editors consider that the prints are likely to be unsatisfactory in reproduction they may ask for the original films. Photographs and photomicrographs should be printed on glossy paper, and should be larger than the size desired for reproduction; they should be submitted unmounted, and lettering, when required, should be indicated on tracing paper fixed over the print. Drawings and diagrams should be done in black ink on tracing linen, Bristol board, or stout, white paper. Any lettering on these drawings should be lightly inserted in pencil. Legends should be typed on a separate sheet of paper.

References should be arranged according to the Harvard system. If the reference is to a book, the place of publication, the number of the edition, and the page number should be given. In the text the year of publication must follow the author's name, more than one paper in any one year being indicated by a small letter (a, b, c) after the date. No numbering of references is necessary. At the end of the paper references should be arranged in the alphabetical order of the authors' names. The reference details should be given as follows: author's name, initials, year of publication (in parentheses), title of periodical (in italics, abbreviated according to the *World List of Scientific Periodicals*), volume number (bold type, Arabic numerals), and first page number (ordinary type, Arabic numerals), thus:

Dunn, C. W. (1940). *J. Amer. med. Ass.*, 115, 2263.

Contributors will receive one proof in page, but it is assumed that all but verbal corrections will have been made in the original manuscript; an allowance at the rate of ten shillings per sheet of sixteen pages is made for alterations in the proof (printer's errors excepted), and contributors will be responsible for any excess.

Fifty reprints of articles will, if desired, be provided free. A limited number of additional reprints at cost price can be supplied if application is made when returning proofs. An estimate of costs will be given on application to the Publishing Manager, British Medical Association.

Papers which have been published become the property of THORAX and permission to republish must be obtained from the Editors.

Applications for advertisement space should be addressed to the Advertisement Manager, British Medical Association, Tavistock Square, London, W.C.1.

## NOTICE TO SUBSCRIBERS

Subscriptions are payable to the British Medical Association. Address: British Medical Association House, Tavistock Square, London, W.C.1. The subscription is £3 a year. The cost of the journal to members of the Thoracic Society is included in their subscription to that Society.

## INDEX TO VOLUME XV

### A

- ALLISON, P. R., DUNNILL, M. S., and MARSHALL, R.: Pulmonary embolism, 273  
Aneurysm of an intercostal artery after paracentesis thoracis, 266  
Aneurysms, saccular, of thoracic aorta, excision of, 309  
Antifoam emboli from a bubble oxygenator, hazard of, 22  
Aorta, thoracic, excision of saccular aneurysms of, 309  
Arrhythmias following cardiac surgery, 317  
Arterial CO<sub>2</sub> tension in emphysema, indirect estimation of, 43  
Arteriography, coronary, 93  
Asbestosis, radiological diagnosis of, 103  
    significance of lung function changes in, 109  
Aspergillus moulds, syndrome resembling farmer's lung in workers inhaling spores of, 212  
Asthma, bronchial biopsy in, 142  
Atrium, left, transeptal approach to, in mitral regurgitation, 225  
Azygos vein, anatomical observations on course of, 229  
AZZOPARDI, J. G., *see* Williams, E. D., and Azzopardi, J. G.

### B

- BARNARD, C. N., MCKENZIE, M. B., and VILLIERS, D. R. DE: Preparation and assembly of the stainless steel sponge debubbler for use in the helix reservoir bubble oxygenator, 268  
BATTYE, C. K., and WEALE, F. E.: The use of the P wave for control of a pacemaker in heart block, 177  
BEATTY, O. A., *see* Saliba, A., and Beatty, O. A.  
BEVEGARD, S., CARLENS, E., JONSSON, B., and KARLOF, I.: A technique for transeptal left heart catheterization via the right external jugular vein, 299  
BICKFORD, B. J., and EDWARDS, F. R.: Cavo-pulmonary anastomosis, 165  
— and GLENNIE, J. S.: Excision of saccular aneurysms of the thoracic aorta: a report of five cases, 309  
Bilateral superior venae cavae with closed coronary sinus, 172  
Biopsy, bronchial, in chronic bronchitis and asthma, 142  
BJORK, V. O., and HULTQUIST, G.: Brain damage in children after deep hypothermia for open-heart surgery, 284  
BLAHNIKOVA, D., *see* Horejsi, M., Sach, J., To.msikova, A., Mecl, A., Blahnikova, D., Tumova, M., and Valisova, A.  
Blood and electrolyte balance in the post-operative cardiac patient, 303  
    circulation, energy sources of, and the mechanical action of the heart, 47  
    coagulation problems in open-heart surgery, 292

- BODDINGTON, M. M., *see* Spriggs, A. I., and Boddington, M. M.  
BORRIE, J.: Tracheal stenosis in infancy, 64  
BRAIMBRIDGE, M. V.: Blood and electrolyte balance in the post-operative cardiac patient, 303  
Brain damage in children after deep hypothermia for open-heart surgery, 284  
Breathing, intermittent positive pressure, effect on lung compliance and intrapulmonary mixing of gases, 124  
BROCK, Sir RUSSELL: Radical pneumonectomy, 7  
Bronchial and arterial obstruction, detection by continuous gas analysis from individual lobes and segments of lung, 154  
    biopsy in chronic bronchitis and asthma, 142  
    carcinoma in a rural area, observations on 100 cases of, 240  
    mucous gland layer, measurement of, 132  
Bronchitis, chronic, bronchial biopsy in, 142  
    measurement of bronchial mucous gland layer in, 132  
    plastic, 325  
Bronchogenic carcinoma after resection, three-year follow-up of classified cases of, 11  
Bronchus, tracheal, supernumerary, 174  
Bubble oxygenator, hazard of antifoam emboli from, 22

### C

- CAMERON, J. A., *see* Hillis, B. R., and Cameron, J. A.  
Cancer of the lung, 1  
    lobectomy with sleeve resection, 9  
    long-term functional results after pneumonectomy, 19  
    present position relating to, 1  
    radical pneumonectomy, 7  
    results of resection, 5  
    results of surgical resection, 3  
    results with radiotherapy alone, 17  
    three-year follow-up of classified cases of bronchogenic carcinoma after resection, 11  
Carbon dioxide tension, arterial, in emphysema, indirect estimation of, 43  
Carcinoid syndrome, tumours of lung and, 30  
Carcinoma, bronchial, in a rural area, 240  
    bronchogenic, after resection, 11  
    *See also* Cancer of the lung  
Cardiac patient, post-operative, blood and electrolyte balance in, 303  
    surgery, arrhythmias following, 317  
CARLENS, E., *see* Bevegard, S., Carlens, E., Jonsson, B., and Karlof, I.  
CASSIE, A. B., RIDDELL, A. G., and YATES, P. O.: Hazard of antifoam emboli from a bubble oxygenator, 22  
CATCHPOLE, L. A., *see* Nixon, P. G. F., Grimshaw, V. A., Catchpole, L. A., Snow, H. M., and Lawrance, K.

- Catheterization, transeptal left heart, via right external jugular vein, 299
- Cavo-pulmonary anastomosis, 165
- Cervical trachea, closed traumatic rupture of the, 89
- Children, brain damage in, after deep hypothermia for open-heart surgery, 284
- CHRISPIN, A. R., *see* Darke, C. S., *et al.*
- Collapse of the lung associated with primary tuberculosis: a review of 51 cases, 346
- Coronary arteriography, 93
- sinus, closed, bilateral superior venae cavae with, 172
- COTES, J. E.: Respiratory function and portable oxygen therapy in chronic non-specific lung disease in relation to prognosis, 244
- Cytomegalic inclusion disease, case of, 259
- D**
- DARKE, C. S., CHRISPIN, A. R., and SNOWDEN, B. S.: Unilateral lung transradiancy; a physiological study, 74
- DAVIDSON, J. S.: The conservative treatment of the tension lesions of staphylococcal pneumonia in infancy, 233
- DAVIES, P. D. B., *see* Rahimtoola, S., Good, C. J., and Davies, P. D. B.
- Debubble for use in the helix reservoir bubble oxygenator, 268
- Diaphragmatic hernia, incarcerated and obstructed, 59
- DUNNILL, M. S., *see* Allison, P. R., Dunnill, M. S., and Marshall, R.
- E**
- EDWARDS, F. R., *see* Bickford, B. J., and Edwards, F. R.; Pennington, G. W., and Edwards, F. R.
- Electrolyte balance in the post-operative cardiac patient, 303
- ELKINGTON, J. S., and HOWELL, J. B. L.: Aneurysm of an intercostal artery after paracentesis thoracis, 266
- EMANUEL, R. W.: Arrhythmias following cardiac surgery, 317
- Emboli, antifoam, from a bubble oxygenator, 22
- Embolism, pulmonary, 273
- EMERSON, P. A., TORRES, G. E., and LYONS, H. A.: The effect of intermittent positive pressure breathing on the lung compliance and intrapulmonary mixing of gases, 124
- Emphysema, indirect estimation of arterial CO<sub>2</sub> tension in, 43
- F**
- FANTL, P., and WARD, H. A.: Blood coagulation problems in open-heart surgery, 292
- Farmer's lung, syndrome resembling, in workers inhaling spores of aspergillus and penicillia moulds, 212
- FEINMANN, L.: Long-term functional results after pneumonectomy, 19
- NEWELL, D. J., and PENDLETON, G. B.: Indirect estimation of arterial CO<sub>2</sub> tension in emphysema, 43
- FORGACS, P.: Subcutaneous gas equilibration in clinical practice, 37
- G**
- Gas analysis, continuous, from individual lobes and segments of lung, 154
- equilibration, subcutaneous, in clinical practice, 37
- GERBODE, F., OSBORN, J. J., and JOHNSTON, J. B.: Experience with perfusion hypothermia using an improved rotating disc oxygenator, 185
- GLENNIE, J. S., *see* Bickford, B. J., and Glennie, J. S.
- GLYNN, A. A., and MICHAELS, L.: Bronchial biopsy in chronic bronchitis and asthma, 142
- GOLDING, A. M. B.: Supernumerary tracheal bronchus, 174
- GOOD, C. J., *see* Rahimtoola, S., Good, C. J., and Davies, P. D. B.
- GRIMSHAW, V. A., *see* Nixon, P. G. F., Grimshaw, V. A., Catchpole, L. A., Snow, H. M., and Lawrance, K.
- H**
- Haemosiderosis, idiopathic pulmonary, fatal nephritis complicating, 198
- Hamartoma, ? malignant, of lung, 120
- HAMMOND, J. D. S., *see* Horton, J., and Hammond, J. D. S.
- HARRIS, W. G.: A case of bilateral superior venae cavae with a closed coronary sinus, 172
- HAY, D. R.: Pulmonary manifestations of staphylococcal pyaemia, 82
- Heart, left, transeptal catheterization via right external jugular vein, 299
- mechanical action of, and energy sources of blood circulation, 47
- surgery, open, blood coagulation problems in, 292
- brain damage in children after deep hypothermia for, 284
- Heart block, use of the P wave for control of a pacemaker in, 177
- Heart-lung machine, disposable rotating oxygenator capable of being sterilized by heat for, 181
- HEATH, D., and HICKEN, P.: The relation between left atrial hypertension and lymphatic distension in lung biopsies, 54
- Hernia, incarcerated and obstructed diaphragmatic, 59
- HICKEN, P., *see* Heath, D., and Hicken, P.
- HILLIS, B. R., and CAMERON, J. A.: Observations on 100 cases of bronchial carcinoma in rural area, 240
- HILTON, G.: Results with radiotherapy alone (present position relating to cancer of the lung), 17
- Histoplasmosis, pulmonary, report of 12 selected cases of, 204
- HOREJSI, M., SACH, J., TOMSIKOVA, A., MECL, A., BLAHNIKOVA, D., TUMOVA, M., and VALISOVA, A.: A syndrome resembling farmer's lung in workers inhaling spores of aspergillus and penicillia moulds, 212
- HORTON, J., and HAMMOND, J. D. S.: Incarcerated and obstructed diaphragmatic hernia, 59
- HOWELL, J. B. L., *see* Elkington, J. S., and Howell, J. B. L.
- HUGH-JONES, P., and WEST, J. B.: Detection of bronchial and arterial obstruction by continuous gas analysis from individual lobes and segments of the lung, 154
- *see also* Williams, R., and Hugh-Jones, P.
- HULTQUIST, G., *see* Bjork, V. O., and Hultquist, G.
- Hypertension, portal, transection operations for, 218
- Hypothermia, deep, for open-heart surgery, brain damage in children after, 284
- perfusion, using an improved rotating disc oxygenator, 185

## I

- Infancy, conservative treatment of tension lesions of staphylococcal pneumonia in, 233  
 Infarction, pulmonary, in disorders associated with the sickle cell trait, 320  
 Intercostal artery, aneurysm of, after paracentesis thoracis, 266  
 Intrapulmonary mixing of gases, effect of intermittent positive pressure breathing on, 124  
 Intrathoracic neural tumours, primary, 339

## J

- JENSEN, K. G., *see* Schiodt, T., and Jensen, K. G.  
 JOHNSON, R. S., and SITA-LUMSDEN, E. G.: Plastic bronchitis, 325  
 — *see also* MacGregor, C. S., Johnson, R. S., and Turk, K. A. D.  
 JOHNSTON, J. B., *see* Gerbode, F., Osborn, J. J., and Johnston, J. B.  
 JONSSON, B., *see* Bevegard, S., Carlens, E., Jonsson, B., and Karlof, I.  
 Jugular vein, right external, transeptal left heart catheterization via, 299

## K

- KARLOF, I., *see* Bevegard, S., Carlens, E., Jonsson, B., and Karlof, I.

## L

- LAWRANCE, K.: Coronary arteriography, 93  
 — *see also* Nixon, P. G. F., Grimshaw, V. A., Catchpole, L. A., Snow, H. M., and Lawrance, K.  
 Left atrial hypertension and lymphatic distension in lung biopsies, relation between, 54  
   atrium, transeptal approach to, in mitral regurgitation, 225  
   heart catheterization, transeptal, via the right external jugular vein, 299  
 LE ROUX, B. T.: Mediastinal teratomata, 333  
 — Primary intrathoracic neural tumours, 339  
 Lobectomy with sleeve resection, 9  
 Lung biopsies, relation between left atrial hypertension and lymphatic distension in, 54  
   cancer of, present position relating to, 1  
   collapse of, associated with primary tuberculosis: a review of 51 cases, 346  
   compliance and intrapulmonary mixing of gases, effect of intermittent positive pressure breathing on, 124  
   continuous gas analysis from individual lobes and segments of, 154  
   disease, non-specific, respiratory function and portable oxygen therapy in, 244  
   function changes in asbestosis, significance of, 109  
   ? malignant hamartoma of, 120  
   malignant solitary lesion: follow-up of 117 surgically treated patients, 252  
   malignant teratoid tumour of, 120  
   transradiancy, unilateral: a physiological study, 74  
   tumours of, and carcinoid syndrome, 30  
   *see also* Cancer of the lung  
 Lymphatic distension in lung biopsies, relation between left atrial hypertension and, 54  
 LYONS, H. A., *see* Emerson, P. A., *et al.*

## M

- MACGREGOR, C. S., JOHNSON, R. S., and TURK, K. A. D.: Fatal nephritis complicating idiopathic pulmonary haemosiderosis in young adults, 198  
 MCKENZIE, M. B., *see* Barnard, C. N., McKenzie, M. B., and Villiers, D. R. de  
 MACPHERSON, A. M. C., ZORAB, P. A., and REID, L.: Collapse of the lung associated with primary tuberculosis: a review of 51 cases, 346  
 Malignant solitary pulmonary lesion: follow-up study of 117 surgically treated patients, 252  
   teratoid tumour of the lung: ? malignant hamartoma, 120  
 MANTEUFFEL-SZOEGE, L.: Energy sources of blood circulation and the mechanical action of the heart, 47  
 MARSHALL, R., *see* Allison, P. R., Dunnill, M. S., and Marshall, R.  
 MASON, G. A.: The present position relating to cancer of the lung; introduction, 1  
 MECL, A., *see* Horejsi, M., Sach, J., Tomsikova, A., Mecl, A., Blahnikova, D., Tumova, M., and Valisova, A.  
 Mediastinal teratomata, 333  
 Melrose oxygenator, clinical experience with, at normal and reduced temperatures, 193  
 Mesothelial cells, absence of, from tuberculous pleural effusions, 169  
 MICHAELS, L., *see* Glynn, A. A., and Michaels, L.  
 Mitral regurgitation, transeptal approach to left atrium in, 225  
   valve, some features of the, 70  
 MORRIS, E. W. T.: Some features of the mitral valve, 70  
 Moulds, syndrome resembling farmer's lung in workers inhaling spores of, 212  
 Mucous gland layer, bronchial, measurement of, 132  
 Myasthenia gravis, respiratory crisis after thymectomy in patients with, 262

## N

- NATHAN, H.: Anatomical observations on the course of the azygos vein (vena azygos major), 229  
 Nephritis, fatal, complicating idiopathic pulmonary haemosiderosis in young adults, 198  
 Neural tumours, primary intrathoracic, 339  
 NEWELL, D. J., *see* Feinmann, L., *et al.*  
 NIXON, P. G. F.: The transeptal approach to the left atrium in mitral regurgitation, 225  
 — GRIMSHAW, V. A., CATCHPOLE, L. A., SNOW, H. M., and LAWRENCE, K.: Clinical experience with the Melrose oxygenator at normal and reduced temperatures, 193  
 NOHL, H. C.: A three-year follow-up of classified cases of bronchogenic carcinoma after resection, 11

## O

- Open-heart surgery, blood coagulation problems in, 292  
   brain damage in children after deep hypothermia for, 284

- OSBORN, J. J., *see* Gerbode, F., Osborn, J. J., and Johnston, J. B.
- Oxygen therapy, portable, in relation to prognosis, 244
- Oxygenator, bubble, hazard of antifoam emboli from, 22  
 disposable rotating, capable of being sterilized by heat for a heart-lung machine, 181  
 helix reservoir bubble, stainless steel sponge debubbler for use in, 268  
 improved rotating disc, perfusion hypothermia using, 185  
 Melrose, clinical experience with, at normal and reduced temperatures, 193
- P**
- Pacemaker in heart block, use of P wave for control of, 177
- Paracentesis thoracis, aneurysm of an intercostal artery after, 266
- PENDLETON, G. B., *see* Feinmann, L., *et al.*
- Penicillia moulds, syndrome resembling farmer's lung in workers inhaling spores of, 212
- PENNINGTON, G. W., and EDWARDS, F. R.: Respiratory crisis after thymectomy in patients with myasthenia gravis, 262
- Perfusion hypothermia using an improved rotating disc oxygenator, 185
- Plastic bronchitis, 325
- Pleural effusions, tuberculous, absence of mesothelial cells from, 169
- Pneumonectomy, long-term functional results after, 19 radical, 7
- Pneumonia, staphylococcal, in infancy, conservative treatment of tension lesions of, 233
- Portal hypertension, transection operations for, 218
- Positive pressure breathing, intermittent, effect on lung compliance and intrapulmonary mixing of gases, 124
- Post-operative cardiac patient, blood and electrolyte balance in, 303
- Prognosis, respiratory function and portable oxygen therapy in relation to, 244
- Pulmonary embolism, 273  
 haemosiderosis, idiopathic, fatal nephritis complicating, 198  
 histoplasmosis, report of 12 selected cases of, 204  
 infarction in disorders associated with the sickle cell trait, 320  
 lesion, malignant solitary: follow-up study of 117 surgically treated patients, 252  
 manifestations of staphylococcal pyaemia, 82
- P wave for control of a pacemaker in heart block, use of, 177
- Pyaemia, staphylococcal, pulmonary manifestations of, 82
- R**
- Radiological diagnosis of asbestosis, 103
- Radiotherapy alone, results with (present position relating to cancer of the lung), 17
- RAHIMTOOLA, S., GOOD, C. J., and DAVIES, P. D. B.: Pulmonary infarction in disorders associated with the sickle cell trait, 320
- REID, L.: Measurement of the bronchial mucous gland layer: a diagnostic yardstick in chronic bronchitis, 132  
 — *see also* Macpherson, A. M. C., Zorab, P. A., and Reid, L.
- Respiratory crisis after thymectomy in patients with myasthenia gravis, 262  
 function and portable oxygen therapy in chronic non-specific lung disease in relation to prognosis, 244
- RIDDELL, A. G., *see* Cassie, A. B., *et al.*
- Rupture of the cervical trachea, 89
- Rural area, bronchial carcinoma in a, 240
- S**
- Saccular aneurysms of the thoracic aorta, excision of, 309
- SACH, J., *see* Horejsi, M., Sach, J., Tomsikova, A., Mecl, A., Blahnikova, D., Tumova, M., and Valisova, A.
- SALIBA, A., and BEATTY, O. A.: A report of 12 selected cases of pulmonary histoplasmosis, 204
- Scadding, Dr. J. G., 63
- SCHIODT, T., and JENSEN, K. G.: Malignant teratoid tumour of the lung: ? malignant hamartoma, 120
- Sickle cell trait, pulmonary infarction in disorders associated with the, 320
- SITA-LUMSDEN, E. G., *see* Johnson, R. S., and Sita-Lumsden, E. G.
- SNOW, H. M., *see* Nixon, P. G. F., Grimshaw, V. A., Catchpole, L. A., Snow, H. M., and Lawrance, K.
- SNOWDEN, B. S., *see* Darke, C. S., *et al.*
- SOOTHILL, E. F.: Closed traumatic rupture of the cervical trachea, 89
- SPRIGGS, A. I., and BODDINGTON, M. M.: Absence of mesothelial cells from tuberculous pleural effusions, 169
- Stainless steel sponge debubbler for use in the helix reservoir bubble oxygenator, 268
- Staphylococcal pneumonia in infancy, conservative treatment of tension lesions of, 233  
 pyaemia, pulmonary manifestations of, 82
- Subcutaneous gas equilibration in clinical practice, 37
- Syndrome resembling farmer's lung in workers inhaling spores of aspergillus and penicillia moulds, 212
- T**
- TALA, P., and VIRKKULA, L.: The malignant solitary pulmonary lesion, 252
- TAYLOR, A. B.: Results of surgical resection, 3
- Tension lesions of staphylococcal pneumonia in infancy, conservative treatment of, 233
- Teratoid tumour, malignant, of lung, 120
- Teratomata, mediastinal, 333
- THOMAS, Sir CLEMENT PRICE: Lobectomy with sleeve resection, 9
- THOMPSON, V. C.: Results of resection (present position, relating to cancer of the lung), 5
- Thoracic aorta, excision of saccular aneurysms of, 309
- THORACIC SOCIETY SYMPOSIUM: The present position relating to cancer of the lung, 1-21
- Thymectomy in patients with myasthenia gravis, respiratory crisis after, 262
- TOMSIKOVA, A., *see* Horejsi, M., Sach, J., Tomsikova, A., Mecl, A., Blahnikova, D., Tumova, M., and Valisova, A.

TORRES, G. E., *see* Emerson, P. A., *et al.*  
 Trachea, cervical, closed traumatic rupture of the, 89  
 Tracheal bronchus, supernumerary, 174  
   stenosis in infancy, 64  
 Transection operations for portal hypertension, 218  
 Transeptal approach to the left atrium in mitral regurgitation, 225  
   left heart catheterization via the right external jugular vein, technique for, 299  
 Transradiancy of one lung, 74  
 Tuberculosis, primary, collapse of the lung associated with, 346  
 Tuberculous pleural effusions, absence of mesothelial cells from, 169  
 Tumour, malignant teratoid, of lung, 120  
 Tumours of the lung and the carcinoid syndrome, 30  
   primary intrathoracic neural, 339  
 TUMOVA, M., *see* Horejsi, M., Sach, J., Tomsikova, A., Mecl, A., Blahnikova, D., Tumova, M., and Valisova, A.  
 TURK, K. A. D., *see* MacGregor, C. S., Johnson, R. S., and Turk, K. A. D.

## V

VALISOVA, A., *see* Horejsi, M., Sach, J., Tomsikova, A., Mecl, A., Blahnikova, D., Tumova, M., and Valisova, A.  
 VANIER, T. M.: A case of cytomegalic inclusion disease, 259  
 Vena azygos major, anatomical observations on course of, 229  
 Venae cavae, bilateral superior, with closed coronary sinus, 172

VILLIERS, D. R. DE, *see* Barnard, C. N., McKenzie, M. B., and Villiers, D. R. de  
 VIRKKULA, L., *see* Tala, P., and Virkkula, L.  
 VOWLES, K., *see* Wilson, M., and Vowles, K.

## W

WALKER, R. M.: Transection operations for portal hypertension, 218  
 WARD, H. A., *see* Fantl, P., and Ward, H. A.  
 WEALE, F. E., *see* Battye, C. K., and Weale, F. E.  
 WEST, J. B., *see* Hugh-Jones, P., and West, J. B.  
 WILLIAMS, E. D., and AZZOPARDI, J. G.: Tumours of the lung and the carcinoid syndrome, 30  
 WILLIAMS, R., and HUGH-JONES, P.: The radiological diagnosis of asbestosis, 103  
   The significance of lung function changes in asbestosis, 109  
 WILSON, M., and VOWLES, K.: A disposable rotating oxygenator capable of being sterilized by heat for a heart-lung machine, 181

## Y

YATES, P. O., *see* Cassie, A. B., *et al.*

## Z

ZORAB, P. A., *see* Macpherson, A. M. C., Zorab, P. A., and Reid, L.