

Lewis's method is inaccurate to the extent of 18 g. lost on one ventricle and calculations from his figures show that they deviate from these, chiefly in the ratios T/R and T/L.

It seems that the value of this method is enhanced by its applicability to either sex at any age and its apparent validity in children and infants should be of special interest.

I wish to acknowledge my gratitude to Professor J. R. Squire and members of his staff for their help with the statistical analyses and for some of the figures.

Dr. Avril Oatway has given much help both with necropsies and tabulating results. Other pathologists who performed necropsies are Dr. Martin Israel, Dr. Allan

Jacobs, Dr. C. B. Whittaker, Dr. B. Godwin, Dr. H. G. Alton, Dr. Hameed.

Mr. H. J. Flewitt weighed and recorded all the material and we express our special thanks to him.

I wish also to thank Mr. A. Hemsley for drawing Figs. 4-7 inclusive, and Mr. R. Paton and Mrs. R. Harpin for the photographs.

REFERENCES

- Bartels, E. C., and Smith, H. L. (1932). *Amer. J. med. Sci.*, **184**, 452.
 Heath, D., and Whitaker, W. (1955). *J. Path. Bact.*, **70**, 285.
 Herrmann, G. R., and Wilson, F. N. (1922). *Heart*, **9**, 91.
 Lewis, T. (1914). *Ibid*, **5**, 367.
 Phear, D. (1960). *Lancet*, **2**, 832.
 Sunderman, F. W., and Boerner, F. (1949). *Normal Values in Clinical Medicine*. Saunders, Philadelphia and London.
 Zeek, P. M. (1942). *Arch. Path. (Chicago)*, **34**, 820.

The September 1961 Issue

THE SEPTEMBER 1961 ISSUE CONTAINS THE FOLLOWING PAPERS

The artificial kidney and urea clearance D. J. BLACKMORE and W. J. ELDER

A new principle applied to the determination of calcium in biological materials by flame photometry J. K. FAWCETT and V. WYNN

Estimation of gamma globulin in the serum of patients with hypogammaglobulinaemia R. A. KEKWICK, L. VALLET, M. CUTBUSH, P. L. MOLLISON, A. R. THOMAS, P. G. H. GELL, and J. F. SOOTHILL

The antithrombin activity of glucuronic esters of bilirubin M. KOPEĆ, T. DAROCHA, S. NIEWIAROWSKI, and J. STACHURSKA

Studies on the disturbance of glucuronide formation in infectious hepatitis M. F. VEST and E. FRITZ

Rapid incremental methods for the determination of serum iron and iron-binding capacity R. N. BEALE, J. O. BOSTROM, and R. F. TAYLOR

Lipids in cadaver sera after fatal heart attacks J. B. ENTICKNAP

Serum alkaline phosphatase fractionation as an aid to diagnosis K. B. COOKE and JOAN F. ZILVA

The determination of 3-methoxy 4-hydroxy mandelic acid in urine. A. J. WOIWOD and R. KNIGHT

Factors concerned in the efficient steam sterilization of surgical dressings R. J. FALLON

A case of meningitis due to *Listeria monocytogenes* A. BECK

Disinfection of woollen blankets in steam at sub-atmospheric pressure V. G. ALDER and W. A. GILLESPIE

Nasal abnormality and the carrier rate of *Staphylococcus aureus* S. I. JACOBS, G. M. WILLIAMSON, and A. T. WILLIS

A contribution to the technique of intracutaneous testing with toxoplasmin OTTO JIROVEC and JINDŘICH JÍRA

Antistreptolysin levels in normal infants and young children C. W. POTTER and J. LORBER

Fatal septicaemia due to *Salmonella cholerae suis* I. S. BAILEY, G. GARRETT, and A. NICOL

Serum precipitin reactions in Hashimoto's thyroiditis J. M. MOORE

Minimal criteria for the diagnosis of megaloblastic anaemia of pregnancy I. RANNIE and H. MCTAGGART

Antihæmophilic factor deficiency, capillary defect of von Willebrand type, and idiopathic thrombocytopenia occurring in one family E. K. BLACKBURN, J. M. MACFIE, J. H. MONAGHAN, and A. P. M. PAGE

Coagulation tests on capillary blood KATHARINE M. DORMANDY and R. M. HARDISTY

The anaemia of lead poisoning H. E. HUTCHISON and J. M. STARK

The recognition of Hageman deficiency in blood donors W. L. MARSH and J. JENKINS

Renal enlargement in chronic cor pulmonale P. A. ELLIS

Technical methods

A contact slide method for the isolation of staphylococci I. A. PORTER and JOYCE NICHOLSON

A micro-method for measuring glucose using the Auto-analyzer and glucose-oxidase CYNTHIA WINCEY and VINCENT MARKS

A micro technique for protein concentration suitable for quantitative electrophoresis of cerebrospinal fluid J. COLOVER

The iron method of haemoglobin estimation J. FINE

Book reviews

Copies are still available and may be obtained from the PUBLISHING MANAGER,
 BRITISH MEDICAL ASSOCIATION, TAVISTOCK SQUARE, W.C.1, price 17s. 6d.

- Dameshek, W., and Bloom, M. L. (1948). *Blood*, 3, 1381.
- Dresbach, M. (1904). *Science*, 19, 469.
- Ducla-Soares, A., and Parreira, F. (1958). *Sang.*, 29, 33.
- Emerson, C. P. Jr., Shen, S. C., Ham, T. H., Fleming, E. M., and Castle, W. B. (1956). *A.M.A. Arch. intern. Med.*, 97, 1.
- Gasser, C. (1950). *Sang.*, 21, 237.
- (1951). *Die hämolytischen Syndrome im Kindesalter*, p. 214. Thieme, Stuttgart.
- Goodall, H. B., Hendry, D. W., Lawler, S. D., and Stephen, S. A. (1953). *Ann. Eugen. (Lond.)*, 17, 272.
- , —, — (1954). *Ibid.*, 18, 325.
- Holst-Larsen, T. (1947). *Nord. Med.*, 34, 925.
- Hunter, W. C., and Adams, R. B. (1929). *Ann. intern. Med.*, 2, 1162.
- Lambrecht, K. (1938). *Ergebn. inn. Med. Kinderheilk.*, 55, 295.
- Lawler, S. D., and Sandler, M. (1954). *Ann. Eugen. (Lond.)*, 18, 328.
- Lendval, J. (1949). *Lancet*, 1, 582.
- Letman, H. (1955). *Acta med. scand.*, 151, 41.
- Lipton, E. L. (1955). *Pediatrics*, 15, 67.
- Marshall, R. A., Bird, R. M., Bailey, H. K., and Beckner, E. (1954). *J. clin. Invest.*, 33, 790.
- Mason, V. R. (1938). In *Handbook of Hematology*, Vol. 3, ed. H. Downey, p. 2351. Hoeber, New York.
- Morton, N. E. (1956). *Amer. J. hum. Genet.*, 8, 80.
- Motulsky, A. G., Singer, K., Crosby, W. H., and Smith, V. (1954). *Blood*, 9, 57.
- Owren, P. A. (1948). *Ibid.*, 3, 231.
- Penfold, J. B., and Lipscomb, J. M. (1943). *Quart. J. Med.*, n.s. 12, 157.
- Pranker, T. A. J., Altman, K. I., and Young, L. E. (1954). *J. clin. Invest.*, 33, 957.
- , —, — (1955). *Ibid.*, 34, 1268.
- Selwyn, J. G., and Dacie, J. V. (1954). *Blood*, 9, 414.
- Tabechian, H., Altman, K. I., and Young, L. E. (1956). *Proc. Soc. exp. Biol. (N.Y.)*, 92, 712.
- Vandepitte, J., and Louis, L. (1955). *Rev. Hémat.*, 10, 19.
- Wilson, H. E., and Long, M. J. (1955). *A.M.A. Arch. intern. Med.*, 95, 438.
- Wyandt, H., Bancroft, P. M., and Winship, T. O. (1941). *Arch. intern. Med.*, 68, 1043.
- Young, L. E., Izzo, M. J., and Platzer, R. F. (1951). *Blood*, 6, 1073.

Broadsheets prepared by the Association of Clinical Pathologists

The following broadsheets (new series) are published by the Association of Clinical Pathologists. They may be obtained from **Dr. R. B. H. Tierney, Pathological Laboratory, Boutport Street, Barnstaple, N. Devon**. The prices include postage, but air mail will be charged extra.

- 3 The Detection of Barbiturates in Blood, Cerebrospinal Fluid, Urine, and Stomach Contents. 1953. L. C. NICKOLLS. 1s.
- 4 The Estimation of Carbon Monoxide in Blood. 1953. D. A. STANLEY. 1s.
- 5 The Identification of Reducing Substances in Urine by Partition Chromatography on Paper. 1953. G. B. MANNING. 1s.
- 6 The Paul-Bunnell Test. 1954. R. H. A. SWAIN. 1s.
- 7 The Papanicolaou Technique for the Detection of Malignant Cells in Sputum. 1955. F. HAMPSON. 1s.
- 10 Mycological Techniques: (1) Collection of Specimens. 1956. R. W. RIDDELL. 1s.
- 11 Mycological Techniques: (2) Cultural Isolation. 1956. R. W. RIDDELL. 1s.
- 12 Techniques for Demonstrating L.E. Cells. 1956. J. V. DACIE and L. S. SACKER. 1s.
- 13 The Identification of Serotypes of *Escherichia coli* Associated with Infantile Gastro-enteritis. 1956. JOAN TAYLOR. 1s.
- 14 The Determination of Serum Iron and Serum Unsaturated Iron-binding Capacity. 1956. ARTHUR JORDAN. 1s.
- 16 Preservation of Pathological Museum Specimens. 1957. L. W. PROGER. 1s.
- 17 Cultural Diagnosis of Whooping-cough. 1957. B. W. LACEY. 1s.
- 18 The Rose-Waaler Test. 1957. C. L. GREENBURY. 1s.
- 19 The Laboratory Diagnosis of Fibrinogen Deficiency. 1958. R. M. HARDISTY. 1s.
- 20 Investigation of Porphyrin/Porphyruria. 1958. C. RIMINGTON. 1s.
- 21 Quantitative Determination of Porphobilinogen and Porphyrins in Urine and Faeces. 1958. C. RIMINGTON. 1s.
- 22 Investigation of Haemolytic Anaemia. 1959. J. G. SELWYN. 1s.
- 23 The Dried Disc Technique for Bacterial Sensitivity Tests. 1959. R. W. FAIRBROTHER and J. C. SHERRIS. 1s.
- 24 Safe Handling of Radioactive Tissues in the Laboratory and Post-mortem Room. 1959. R. C. CURRAN. 1s.
- 26 The Periodic Acid-Schiff Reaction. 1959. A. G. E. PEARSE. 1s.
- 28 Daily Fatty Acid Excretion. 1960. A. C. FRAZER. 2s.
- 29 The Preparation of Bone for Diagnostic Histology. 1960. D. H. COLLINS. 2s.
- 31 Investigation of Haemorrhagic States with Special Reference to Defects of Coagulation of the Blood. 1961. E. K. BLACKBURN. 4s.
- 32 Detection of Resistance to Streptomycin, P.A.S., and Isoniazid in Tubercle Bacilli. 1961. R. CRUICKSHANK and S. M. STEWART. 2s.
- 34 Titration of Antistreptolysin O. 1961. H. GOODER and R. E. O. WILLIAMS. 2s.
- 35 The Estimation of Faecal 'Urobilinogen.' 1961. C. H. GRAY. 2s.

Index to Volume XIV

Page numbers preceded by "(P)" refer to the summaries of papers read at the General Meetings of the Association of Clinical Pathologists.

- Achromobacter anitratus*, four cases of human infection with, 670
- ADAMS, J. F.: The urinary excretion of assayable vitamin B₁₂ and radioactivity after parenteral ⁵⁸Co B₁₂ in man, 351
- Adrenal cortical function, effect of corticotrophin zinc on plasma 17-hydroxycorticoids as test of, 185
- Africans, development of serum protein in, 644
- Age, relationship of fibrin and fibrinolytic activity to, 167
- Agglutination test, slide, in diagnosis of typhoid fevers and typhus, 446
- AINSWORTH, R. W., GRESHAM, G. A., and BALMFORTH, G. V.: Pathological changes in temporal arteries removed from unselected cadavers, 115
- ALDER, F. I. See ALDER, V. G., and ALDER, F. I.
- ALDER, V. G., and ALDER, F. I.: Preserving the sterility of surgical dressings wrapped in paper and other materials, 76
- , and GILLESPIE, W. A.: Disinfection of woollen blankets in steam at subatmospheric pressure, 515
- , See WESLEY-JAMES, O., and ALDER, V. G.
- Alkaline phosphatase fractionation, serum, as aid to diagnosis, 500
- ALLINGTON, M. J. See WILLOUGHBY, M. L. N., and ALLINGTON, M. J.
- Anaemia, elliptocytic, hereditary, 615
- , iron-deficiency, tongue and oesophagus in, and effect of iron therapy, 603
- , megaloblastic, of pregnancy, minimal criteria for diagnosis of, (P) 101, 536
- , of lead poisoning, 548
- , sickle cell, blood lipids and lipoproteins in, 361
- Anaemic buccal epithelium, carbohydrates and sulphur-containing compounds in, 610
- patients given steroids, nocardiosis in, 259
- Anaesthetic and post-operative hazards in rheumatoid arthritis (P), 328
- ANDERSON, J. R., BECK, J. S., GOUDIE, R. B., and GRAY, K. G.: Comparison of diagnostic tests for thyroid antibodies (P), 328
- Angiology, 4th International Congress on, 102
- Antibodies, thyroid, comparison of diagnostic tests for (P), 328
- Antibody, fluorescent, diagnostic applications of (P), 328
- Anticoagulant therapy, symposium on, 207
- Anti-D sera, papainized incomplete, Rh typing employing, 444
- Antihæmophilic factor deficiency, capillary defect of von Willebrand type, and idiopathic thrombocytopenia in one family, 540
- Anti-Panton-Valentine leucocidin in serum, hæmagglutination test for, 161
- Antiseptics, common skin, efficiency tests on, under ward conditions, 91
- Antistreptolysin levels in normal infants and young children, 525
- Antithrombin activity of glucuronic esters of bilirubin, 478
- APOSTOLOV, K., FLEWETT, T. H., and THOMPSON, K. S.: Death of an infant in hyperthermia after vaccination, 196
- Arteries, temporal, removed from unselected cadavers, pathological changes in, 115
- ASHLEY, D. J. B., and KWANTES, W.: Four cases of human infection with *Achromobacter anitratus*, 670
- Association of Clinical Pathologists: 66th General Meeting, 325
- — —: Joint Meeting with Association of Clinical Biologists, 101
- — —: Broadsheets, 334, 454, 564
- — —: Committee on Mortuary Design and Hazards. Report, 103
- Autoanalyzer, micro-method for measuring glucose using, 558
- Auto-antibodies, thyroglobulin, stable sheep cell preparation for detection of, 654
- Autoclaves, surgeon's, 49
- BAIKIE, A. G.: Leukaemia (P), 325
- BAILEY, I. S., GARRETT, G., and NICOL, A.: Fatal septicaemia due to *Salmonella cholerae suis*, 528
- BAIRD, I. M., DODGE, O. G., PALMER, F. J., and WAWMAN, R. J.: The tongue and oesophagus in iron-deficiency anaemia and the effect of iron therapy, 603
- BALMFORTH, G. V. See AINSWORTH, R. W., GRESHAM, G. A., and BALMFORTH, G. V.
- BARBER, M.: Hospital infection yesterday and today, 2
- : Methicillin-resistant staphylococci, 385
- BATE, J. G.: The cleaning of ward floors and the bacteriological study of floor-cleaning machines, 32
- BEALE, R. N., BOSTROM, J. O., and TAYLOR, R. F.: Rapid incremental methods for the determination of serum iron and iron-binding capacity, 488
- , and CROFT, D.: A sensitive method for the colorimetric determination of urea, 418
- BECK, A.: A case of meningitis due to *Listeria monocytogenes*, 512
- BECK, J. S. See ANDERSON, J. R., BECK, J. S., GOUDIE, R. B., and GRAY, K. G.
- Bedpans, disinfection of, 66
- Beta-glucuronidase activity, serum, determination of, 661
- Bilirubin analysis, plasma, six representative methods of, 271
- , antithrombin activity of glucuronic esters of, 478
- Biochemical defects in Wilson's disease, family study of, 264
- BLACKBURN, E. K.: Haematological findings and prognosis in lupus erythematosus (P), 327
- , MACFIE, J. M., MONAGHAN, J. H., and PAGE, A. P. M.: Antihaemophilic factor deficiency, capillary defect of von Willebrand type, and idiopathic thrombocytopenia occurring in one family, 540
- BLACKMORE, D. J., and ELDER, W. J.: The artificial kidney and urea clearance, 455
- BLAINEY, J. D. See SOOTHILL, J. F., BLAINEY, J. D., NEALE, F. C., FISCHER-WILLIAMS, M., and MELNICK, S. C.
- Blankets, hospital, disinfection of, with synthetic phenolic compounds, 80
- , woollen, disinfection of, in steam at subatmospheric pressure, 515
- Blood, capillary, coagulation tests on: screening procedure for small children, 543
- cells, distribution of, on hæmacytometer counting chambers, 298
- clots, apparatus for measuring tensile strength of, 320
- coagulation, defect of, in joints, 305
- donors, recognition of Hageman deficiency in, 550
- films on slides, automatic staining machine for, 323
- lipids and lipoproteins in thalassaemia and sickle cell anaemia, 361
- —, relation of, to myocardial necrosis (P), 327
- loss, rate of, from skin punctures during Ivy bleeding time test, 381
- , occult, in faeces, paper tests for, and fate of swallowed red cells, 436
- , simple spectrophotometric method for determination of urea in, 202
- stored in untreated and siliconed glass bottles and plastic bags, platelets in, 626, 630
- BLOWERS, R.: Control of infection in hospital wards, 18
- BOCZAROW, B.: The influence of penicillin on *Lactobacillus leichmannii* serum B₁₂ assay, 189
- Book Reviews:
- Beecher, H. K., ed.: *Disease and the Advancement of Basic Science*, 1960, 100
- British Medical Bulletin, Vol. 16, No. 3: *Insulin*, 1960, 100
- Camber, B.: *Oxosteroids: The Use of Phenolic Hydrazides for Detection, Characterization, and Estimation*, 1960, 217
- Caraway, W. T.: *Microchemical Methods for Blood Analysis*, 1960, 218
- Charlier, R.: *Coronary Vasodilators*, Vol. 10, 1961, 453
- Ciba Foundation Colloquia on Endocrinology, Vol. 13: *Human Pituitary Hormones*, 1960, 454
- Foundation Symposium on Congenital Malformations, 1960, 563
- C.I.O.M.S.: *Controlled Clinical Trials: Papers Delivered at the Conference Convened by the C.I.O.M.S.*, 1960, 333
- : *Methods of Geographical Pathology: Report of the Study Group Convened by the C.I.O.M.S.*, 1959, 332
- Cruickshank, R., ed.: *Mackie and McCartney's Handbook of Bacteriology*, 1960, 452
- Cummings, J. N., ed.: *Modern Scientific Aspects of Neurology*, 1960, 562
- De, S. N.: *Cholera: Its Pathology and Pathogenesis*, 1961, 563
- Discombe, G.: *Blood Transfusion: A Guide to the Practice of Blood Transfusion within Hospitals*, 2nd ed., 1960, 217
- Dyke, S. C., ed.: *Recent Advances in Clinical Pathology*, Ser. III, 1960, 99
- Eastham, R. D.: *Biochemical Values in Clinical Medicine: The Results Following Pathological or Physiological Change*, 1960, 101
- Farr, A. Derek: *A Laboratory Handbook of Blood Transfusion Techniques*, 1961, 676
- Fourman, P.: *Calcium Metabolism and the Bone*, 1960, 331
- Hayhoe, F. G. J.: *Leukaemia: Research and Clinical Practice*, 1960, 562
- , ed.: *Lectures on Haematology*, 1960, 331
- Maegraith, B. G., Kershaw, W. E., and Dagnall, D.: *Techniques in Tropical Pathology*, 1961, 676
- Moyer, J. H., and Fuchs, M., eds.: *Edema: Mechanisms and Management*. A Hahnemann Symposium on Salt and Water Retention, 1960, 331

Book Reviews (contd.):

- Peeters, H., ed.: *Protides of the Biological Fluids*, 7th Colloquium, 1959, 1960, 217
- Raven, R. W., ed.: *Cancer Progress* 1960, 1960, 563
- Renyl-Vamos, F.: *Das Innere Lymphgefäßsystem der Organe*, 1960, 217
- Roberts, F.: *An Introduction to Human Blood Groups*, 1960, 217
- Smith, Ivor, ed.: *Chromatographic and Electrophoretic Techniques*: Vol. I: Chromatography, 2nd ed.; Vol. II: Zone Electrophoresis, 1960, 676
- Sobotka, H., and Stewart, C. P., eds.: *Advances in Clinical Chemistry*, Vol. 2, 1959, 453
- Stowens, D.: *Pediatric Pathology*, 1959, 332
- Sweany, H. C., ed.: *Histoplasmosis*, 1960, 333
- Wilkinson, R. H.: *Chemical Micromethods in Clinical Medicine*, 1960, 453
- Williams, R. E. O., et al.: *Hospital Infection: Causes and Prevention*, 1960, 99
- Willis, R. A.: *Pathology of Tumours*, 3rd ed., 1960, 453
- Wolstenholme, G. E. W., and O'Connor, Maeve, eds.: *A Ciba Foundation Symposium on Cellular Aspects of Immunity*, 1960, 676
- Woolmer, R. F., ed.: *A Symposium on pH and Blood Gas Measurement: Methods and Interpretation*, 1959, 563
- Yoffey, J. M.: *Quantitative Cellular Haematology*, 1960, 453
- BOSTROM, J. O.: See BEALE, R. N., BOSTROM, J. O., and TAYLOR, R. F.
- BOWDLER, A. J.: Radio-isotope investigations in primary myeloid metaplasia, 595
- BOWER, B. D.: See FLEWETT, T. H., BOWER, B. D., and CAMERON, A. H.
- BRADLEY, J., and MEYNELL, M. J.: A survey of staphylococci isolated in hospital practice, 94
- BRANDT, V.: See METZ, J., STEVENS, K., KRAWITZ, S., and BRANDT, V.
- BRIDSON, E. Y.: See LARKIN, I. M., BRIDSON, E. Y., GRIEVE, W. S. M., and GIBSON, J. W.
- Buccal epithelium, anaemic, carbohydrates and sulphur-containing compounds in, 610
- BUCKTON, K.: Mongolism (P), 325
- Burns, counting 'heat-affected' red cells as guide to later disappearance after, 295
- BURT, M. M.: See DARMADY, E. M., HUGHES, K. E. A., BURT, M. M., FREEMAN, B. M., and POWELL, D. B.
- BURY, H. P. R.: See DAWSON, D. W., and BURY, H. P. R.
- BUTLER, E. A., and FLYNN, F. V.: The occurrence of post-gamma protein in urine: a new protein abnormality, 172
- CACHIA, E. A.: See GRECH, J. L., CACHIA, E. A., CALLEJA, F., and PULLICINO, F.
- Calcium, determination of, in biological materials by flame photometry, 463
- CALLEJA, F.: See GRECH, J. L., CACHIA, E. A., CALLEJA, F., and PULLICINO, F.
- CAMERON, A. H., and ROGERS, K. B.: Non-specific jejunitis in children and its relation to *Giardia lamblia* (P), 329
- : See FLEWETT, T. H., BOWER, B. D., and CAMERON, A. H.
- CAMERON, J. M.: Tumours of salivary tissue, 232
- , LITTON, A., and LYON, D. S.: Primary carcinoma multiplex, 574
- Cancer, 8th International Congress, 333
- Capillary blood, coagulation tests on: screening procedure for small children, 543
- defect of von Willebrand type, antihæmophilic factor deficiency, and idiopathic thrombocytopenia in one family, 540
- tube technique, Rh typing employing, 444
- Carbohydrates and sulphur-containing compounds in anaemic buccal epithelium, 610
- Carbon monoxide poisoning (P), 326
- Carbonate method, uric acid determination by, 450
- Carcinoma multiplex, primary, 574
- CARRÉ, I. J.: See NEILL, D. W., CARRÉ, I. J., MCCORRY, R. L., and THOMPSON, R. H.
- Cell volume, packed, determination of, by centrifugation, 198
- Centrifugation, determination of packed cell volume by, 198
- Cerebral proteins, soluble, in normal and oedematous brain, 289
- vascular accidents, relationship of fibrin and fibrinolytic activity to, 167
- disease, anticoagulant treatment of, 213
- Cerebrospinal fluid, micro technique for protein concentration suitable for quantitative electrophoresis of, 559
- Chemical disinfection in prevention of infection in hospital, 26
- Children, non-specific jejunitis in, and its relation to *Giardia lamblia* (P), 329
- CHOREMIS, C., ECONOMOU-MAVROU, C., and TSENGHI, C.: Sodium, potassium, water, and hæmoglobin in the packed red cells of severe thalassaemia, 637
- , KYRIAKIDIS, V., and PAPADAKIS, E.: Studies on the blood lipids and lipoproteins in thalassaemia and sickle cell anaemia, 361
- Cirrhosis, hepatic, and the thyroid (P), 329
- Coagulase as immunizing agent against staphylococcal infections (P), 326
- Coagulation tests on capillary blood: screening procedure for small children, 543
- Coccidiosis in guinea-pigs, 394
- Colorimetric determination of urea, sensitive method for, 418
- COLOVER, J.: A micro technique for protein concentration suitable for quantitative electrophoresis of cerebrospinal fluid, 559
- Congress, Cancer, 8th International, 333
- of Neurology, 7th International, 102, 218
- on Angiology, 4th International, 102
- COOKE, K. B., and ZILVA, J. F.: Serum alkaline phosphatase fractionation as an aid to diagnosis, 500
- Cor pulmonale, chronic, renal enlargement in, 552
- in emphysema, assessment of anatomical factor in, 246
- Coronary insufficiency, acute, 211
- Corticotrophin zinc, effect of, on plasma 17-hydroxycorticoids as test of adrenal cortical function, 185
- COUCHMAN, K.: See FULTHORPE, A. J., ROITT, I. M., DONIACH, D., and COUCHMAN, K.
- COUSINS, P. J.: A method for the collection of saliva, 204
- CRAIK, J. E.: See GRIST, N. G., and CRAIK, J. E.
- CROFT, D.: See BEALE, R. N., and CROFT, D.
- CROMPTON, B. A.: See IBBOTSON, R. N., and CROMPTON, B. A.
- CRUICKSHANK, A. H.: The pathology of 111 cases of primary hepatic malignancy collected in the Liverpool region, 120
- Cryoglobulinaemia, physico-chemical and immunological observations on abnormal proteins in three patients with, 179
- CUMINGS, J. N.: Soluble cerebral proteins in normal and oedematous brain, 289
- CUTBUSH, M.: See KEKWICK, R. A., VALLET, L., CUTBUSH, M., MOLLISON, P. L., THOMAS, A. R., GELL, P. G. H., and SOOTHILL, J. F.
- DARMADY, E. M., HUGHES, K. E. A., BURT, M. M., FREEMAN, B. M., and POWELL, D. B.: Radiation sterilization, 55
- , JONES, J. D., PRINCE, D., and TUKE, W.: Sterilization by dry heat, 38
- , —, —, and VERDON, P.: Disinfection of bedpans, 66
- DAROCHA, T.: See KOPEC, M., DAROCHA, T., NIEWIAROWSKI, S., and STACHURSKA, J.
- DAVEY, E. N.: Carbon monoxide poisoning (P), 326
- DAVIDSON, R. J. L., and STRAUSS, W. T.: Hereditary elliptocytic anaemia, 615
- DAWSON, D. W., and BURY, H. P. R.: The significance of Howell-Jolly bodies and giant metamyelocytes in marrow smears, 374
- DAWSON, P. J., and HARRISON, C. V.: A clinopathological study of benign Hodgkin's disease, 219
- DE JONG, M.: See JAMES, V. H. T., and DE JONG, M.
- Diabetes mellitus and hypercholesterolaemia, 279
- DISCOMBE, G.: The extraction of Evans blue from plasma, 675
- Disinfection, chemical, in prevention of infection in hospital, 26
- of bedpans, 66
- of hospital blankets with synthetic phenolic compounds, 80
- of woollen blankets in steam at subatmospheric pressure, 515
- , skin, 85
- DIXON, J. M. S.: Rapid isolation of salmonellae from faeces, 397
- DODGE, O. G.: See BAIRD, I. M., DODGE, O. G., PALMER, F. J., and WAWMAN, R. J.
- DONIACH, D.: See FULTHORPE, A. J., ROITT, I. M., DONIACH, D., and COUCHMAN, K.
- DORMANDY, K. M., and HARDISTY, R. M.: Coagulation tests on capillary blood: a screening procedure for use in small children, 543
- Dressings, monitoring sterilization of, in high-vacuum pressure-steam sterilizers, 666
- , surgical, efficient steam sterilization of, 505
- , surgical, wrapped in paper and other materials, preserving sterility of, 76
- Dry heat, sterilization by, 38
- DUNNILL, M. S.: An assessment of the anatomical factor in cor pulmonale in emphysema, 246
- ECONOMOU-MAVROU, C.: See CHOREMIS, C., ECONOMOU-MAVROU, C., and TSENGHI, C.
- EDOZIEN, J. C.: The development of the serum protein pattern in Africans, 644
- EICHHORN, F., FELDMANOWSKI, S., LEW, E., RUTENBERG, A., and FANIAS, B.: Improvement of the uric acid determination by the carbonate method for serum and urine, 450
- ELDER, W. J.: See BLACKMORE, D. J., and ELDER, W. J.
- Electron microscopy, application of, to human peripheral nerve obtained by biopsy, 152
- of cerebral biopsy from subacute inclusion body encephalitis (P), 329
- Electrophoresis, conventional voltage, for formiminoglutamic-acid determination in folic acid deficiency, 345
- , paper, quantitative determination of A₂ hæmoglobin by, using tris buffer, 441
- , quantitative determination of hæmoglobin A₂ using, 164
- , quantitative, of cerebrospinal fluid, micro technique for protein concentration suitable for, 559
- Elliptocytic anaemia, hereditary, 615
- Elliptocytosis, hereditary, in two Maltese families, 365
- ELLIS, H. A., and STANWORTH, D. R.: Physico-chemical and immunological observations on the abnormal proteins in three patients with cryoglobulinaemia, 179

- ELLIS, P. A.: Renal enlargement in chronic cor pulmonale, 552
 —, and WRIGHT, A. E.: Coccidiosis in guinea-pigs, 394
 Emphysema, cor pulmonale in, assessment of anatomical factor in, 246
 Encephalitis, subacute inclusion body, electron microscopy of cerebral biopsy from (P), 329
 Endocarditis, Q fever, case of (P), 329
 ENTICKNAP, J. B.: Lipids in cadaver sera after fatal heart attacks, 496
 —: Relation of the blood lipids to myocardial necrosis (P), 327
 Epithelium, buccal, anaemic, carbohydrates and sulphur-containing compounds in, 610
 Erythrocytes, maturation and senescence of (Symposium, Institute of Chemical Physiology, Humboldt University, Berlin), 218
 Ethylene oxide, sterilization by, 59
 Evans blue, extraction of, from plasma, 675
- Faeces, paper tests for occult blood in, and fate of swallowed red cells, 436
 —, rapid isolation of salmonellae from, 397
 FALLON, R. J.: Factors concerned in the efficient steam sterilization of surgical dressings, 505
 —: Monitoring sterilization of dressings in high-vacuum pressure-steam sterilizers, 666
 FANIAS, B. See EICHORN, F., ZELMANOWSKI, S., LEW, E., RUTENBERG, A., and FANIAS, B.
 FAWCETT, J. K., and WYNN, V.: The determination of magnesium in biological materials by flame photometry, 403
 —, —: A new principle applied to the determination of calcium in biological materials by flame photometry, 463
 Fibrin and fibrinolytic activity, relationship to age and cerebral vascular accidents of, 167
 — and inclusion bodies (P), 327
 FINE, J.: The iron method of haemoglobin estimation, 561
 FINEAN, J. B., and WOOLF, A. L.: The application of x-ray diffraction and electron microscopy to the study of human peripheral nerve obtained by biopsy, 152
 Fingers, septic, staphylococci in, 96
 FISCHER-WILLIAMS, M. See SOOTHILL, J. F., BLAINEY, J. D., NEALE, F. C., FISCHER-WILLIAMS, M., and MELNICK, S. C.
 Flame spectrophotometry, determination of calcium in biological materials by, 463
 —, —, determination of magnesium in biological materials by, 403
 —, —, estimation of magnesium in small biological samples by, 400
 FLEWETT, T. H., BOWER, B. D., and CAMERON, A. H.: Electron microscopy of a cerebral biopsy from a case of subacute inclusion body encephalitis (P), 329
 — See APOSTOLOV, K., FLEWETT, T. H., and THOMPSON, K. S.
 Floor-cleaning machines, bacteriological study of, 32
 Fluorescent antibody, diagnostic applications of (P), 328
 FLYNN, F. V. See BUTLER, E. A., and FLYNN, F. V.
 Foetus, human, development of pancreatic islets in (P), 330
 Folic acid activity of human serum, 335
 —, —, deficiency, conventional voltage electrophoresis for formiminoglutamic-acid determination in, 345
 —, —, injected, plasma clearance of, as index of folic acid deficiency, 622
 Formiminoglutamic-acid determination in folic acid deficiency, conventional voltage electrophoresis for, 345
 FOTHERGILL, J. E. See NAIRN, R. C., MCENTEGART, M. G., FOTHERGILL, J. E., and PORTEOUS, I. B.
 FREEMAN, B. M. See DARMADY, E. M., HUGHES, K. E. A., BURT, M. M., FREEMAN, B. M., and POWELL, D. B.
 FRITZ, E. See VEST, M. F., and FRITZ, E.
 FULTHORPE, A. J., ROITT, I. M., DONIACH, D., and COUCHMAN, K.: A stable sheep cell preparation for the detection of thyroglobulin auto-antibodies, 654
- Gamma globulin, bovine, latex fixation test using British latex and, 309
 —, —, estimation of, in serum of patients with hypogammaglobulin-anaemia, 470
 GARDNER, D. L.: Anaesthetic and post-operative hazards in rheumatoid arthritis (P), 328
 GARRETT, G. See BAILEY, I. S., GARRETT, G., and NICOL, A.
 Gas ovens, sterilization by, 62
 Gastric mucosa, cytology of, 132
 GELL, P. G. H. See KEKWICK, R. A., VALLET, L., CUTBUSH, M., MOLLISON, P. L., THOMAS, A. R., GELL, P. G. H., and SOOTHILL, J. F.
Giardia lamblia, non-specific jejunitis in children and its relation to (P), 329
 GIBSON, J. W. See LARKIN, I. M., BRIDSON, E. Y., GRIEVE, W. S. M., and GIBSON, J. W.
 GILBEY, B. E.: A method of rapid Rh typing employing the capillary tube technique and papainized incomplete anti-D sera, 444
 GILLESPIE, W. A.: Chemical disinfection in the prevention of infection in hospital, 26
 — See ALDER, V. G., and GILLESPIE, W. A.
 Glass bottles, untreated and siliconed, platelets in blood stored in, 626, 630
- Glucose, micro-method for measuring, using Autoanalyzer and glucose-oxidase, 558
 Glucuronic esters of bilirubin, antithrombin activity of, 478
 Glucuronide formation, disturbance of, in infectious hepatitis, 482
 GOODALL, H. B.: 'Hyperergic inflammation' in the muscular coat of the intestine after remittent vascular stasis (P), 329
 GOUDIE, R. B., and MCCALLUM, H. M.: Thyroid cytotoxic factor (P), 328
 — See ANDERSON, J. R., BECK, J. S., GOUDIE, R. B., and GRAY, K. G.
 GRABER, I. G.: Metabolic changes following severe trauma (P), 101
 GRAY, K. G. See ANDERSON, J. R., BECK, J. S., GOUDIE, R. B., and GRAY, K. G.
 GRAYSON, M. J. See WHITMORE, D. N., GRESHAM, G. A., and GRAYSON, M. J.
 GRECH, J. L., CACHIA, E. A., CALLEJA, F., and PULLICINO, F.: Hereditary elliptocytosis in two Maltese families, 365
 GREEN, C. A., and PORTER, I. A.: Introduction and spread of a type 81 staphylococcus in a general hospital (P), 326
 GRESHAM, G. A. See AINSWORTH, R. W., GRESHAM, G. A., and BALMFORTH, G. V.
 — See WHITMORE, D. N., GRESHAM, G. A., and GRAYSON, M. J.
 GRIEVE, W. S. M. See LARKIN, I. M., BRIDSON, E. Y., GRIEVE, W. S. M., and GIBSON, J. W.
 GRIST, N. G., and CRAIK, J. E.: A case of Q fever endocarditis (P), 329
 Guinea-pigs, coccidiosis in, 394
- Haemocytometer counting chambers, distribution of blood cells on, 298
 Haemagglutination test for anti-Panton-Valentine leucocidin in serum, 161
 Haemoglobin, A₂, quantitative determination of, by paper electrophoresis using tris buffer, 441
 —, —, —, using paper electrophoresis, 164
 —, —, —, estimation, iron method of, 561
 — in packed red cells of severe thalassaemia, 637
 Haemoglobins, TRIS buffer for differentiation between, 200
 Haemoglobinometry by an automatic analytical procedure, 448
 Haemostatic failure, acute, schedule for rapid investigation of, 356
 Hageman deficiency, recognition of, in blood donors, 550
 HANNA, S.: Plasma magnesium in health and disease, 410
 Haptoglobin, serum, rapid method for estimation of, 205
 HARDISTY, R. M. See DORMANDY, K. M., and HARDISTY, R. M.
 HARGREAVES, T., JANOTA, I., and SMITH, M. J. H.: Multiple plasma enzyme activities in liver disease, 283
 HARRIS-JONES, J. N., and WARD, D. J.: Hypercholesterolaemia and diabetes mellitus, 279
 HARRISON, C. V. See DAWSON, P. J., and HARRISON, C. V.
 HARROLD, A. J.: The defect of blood coagulation in joints, 305
 Hashimoto's thyroiditis, serum precipitin reactions in, 533
 Heart attacks, fatal, lipids in cadaver sera after, 496
 —, simple method of weighing, 578
 —, technique of weighing (P), 327
 Hepatic cirrhosis and the thyroid (P), 329
 — malignancy, primary, pathology of 111 cases collected in Liverpool region, 120
 Hepatitis, infectious, disturbance of glucuronide formation in, 482
 Hodgkin's disease, benign, clinopathological study of, 219
 Hospital blankets, disinfection of, with synthetic phenolic compounds, 80
 — central sterile supply departments, organization of, 69
 — infection, yesterday and today, 2
 — practice, staphylococci isolated in, 94
 — ward floors, cleaning of, and bacteriological study of floor-cleaning machines, 32
 — wards, control of infection in, 18
 Howell-Jolly bodies in marrow smears, significance of, 374
 HOWIE, J. W.: The surgeon's autoclave, 49
 HUGHES, K. E. A. See DARMADY, E. M., HUGHES, K. E. A., BURT, M. M., FREEMAN, B. M., and POWELL, D. B.
 — See DARMADY, E. M., HUGHES, K. E. A., JONES, J. D., PRINCE, D., and TUKE, W.
 — See DARMADY, E. M., HUGHES, K. E. A., JONES, J. D., PRINCE, D., and VERDON, P.
 HUME, R.: The relationship to age and cerebral vascular accidents of fibrin and fibrinolytic activity, 167
 HUNTSMAN, R. G., and LIDDELL, J.: Paper tests for occult blood in faeces and some observations on the fate of swallowed red cells, 436
 HUTCHISON, H. E., and STARK, J. M.: The anaemia of lead poisoning, 548
 17-Hydroxycorticoids, plasma, effect of corticotrophin zinc on, as test of adrenal cortical function, 185
 Hypercholesterolaemia and diabetes mellitus, 279
 'Hyperergic inflammation' in muscular coat of intestine after remittent vascular stasis (P), 329
 Hyperthermia after vaccination, death of infant in, 196
 Hypogammaglobulinaemia, estimation of gamma globulin in serum of patients with, 470
- IBBOTSON, R. N., and CROMPTON, B. A.: Quantitative determination of haemoglobin A₂ using paper electrophoresis, 164

- Inclusion bodies and fibrin (P), 327
 Infant, death of, in hyperthermia after vaccination, 196
 Infants and young children, normal, antistreptolysin levels in, 525
 Infection, hospital, yesterday and today, 2
 — in hospital wards, control of, 18
 — in operating theatres, prevention of, 45
 INGRAM, G. I. C.: A suggested schedule for the rapid investigation of acute haemostatic failure, 356
 Intestine, 'hyperergic inflammation' in muscular coat of, after remittent vascular stasis (P), 329
 Iron and iron-binding capacity, serum, rapid incremental methods for determination of, 488
 Iron-deficiency anaemia, tongue and oesophagus in, and effect of iron therapy, 603
 Iron method of haemoglobin estimation, 561
 Ischaemic heart disease, platelet adhesiveness in, 150
 Ivy bleeding time test, rate of blood loss from skin punctures during, 381
- JACOBS, A.: Carbohydrates and sulphur-containing compounds in the anaemic buccal epithelium, 610
 JACOBS, S. I., WILLIAMSON, G. M., and WILLIS, A. T.: Nasal abnormality and the carrier rate of *Staphylococcus aureus*, 519
 JAMES, V. H. T., and DE JONG, M.: The use of tetramethylammonium hydroxide in the Zimmermann reaction, 425
 JANOTA, I.: See HARGREAVES, T., JANOTA, I., and SMITH, M. J. H.
 Jejunitis, non-specific, in children and its relation to *Giardia lamblia* (P), 329
 JENKINS, J. S.: The effect of corticotrophin zinc on plasma 17-hydroxycorticoids as a test of adrenal cortical function, 185
 JENKINS, W. J.: See MARSH, W. L., and JENKINS, W. J.
 JENNISON, R. F., STENTON, P., and WATT, L.: Laboratory studies with the systemic trichomonadicide, metronidazole, 431
 JIM, R. T. S.: Quantitative determination of A₂ haemoglobin by paper electrophoresis using tris buffer, 441
 JIRA, J.: See JIROVEC, O., and JIRA, J.
 JIROVEC, O., and JIRA, J.: A contribution to the technique of intra-cutaneous testing with toxoplasmin, 522
 Joints, defect of blood coagulation in, 305
 JONES, J. D.: See DARMADY, E. M., HUGHES, K. E. A., JONES, J. D., PRINCE, D., and TUKE, W.
 —: See DARMADY, E. M., HUGHES, K. E. A., JONES, J. D., PRINCE, D., and VERDON, P.
 JONES, R. F.: Determination of packed cell volume by centrifugation, 198
- KEKWICK, R. A., VALLET, L., CUTBUSH, M., MOLLISON, P. L., THOMAS, A. R., GELL, P. G. H., and SOOTHILL, J. F.: Estimation of gamma globulin in the serum of patients with hypogammaglobulinaemia, 470
 KELSEY, J. C.: Sterilization by ethylene oxide, 59
 —: The testing of sterilizers: 2, thermophilic spore papers, 313
 Kidney, artificial, and urea clearance, 455
 KISSMEYER-NIELSEN, F.: Platelets in blood stored in untreated and siliconed glass bottles and plastic bags: I, *Studies in vitro*, 626
 —, and MADSEN, C. B.: Platelets in blood stored in untreated and siliconed glass bottles and plastic bags: II, Survival studies, 630
 KNIGHT, R.: See WOIWOD, A. J., and KNIGHT, R.
 KNOX, R.: A survey of some problems in sterilization, 11
 KOHN, J., MOLLIN, D. L., and ROSENBAUGH, L. M.: Conventional voltage electrophoresis for formiminoglutamic-acid determination in folic acid deficiency, 345
 KOPEČ, M., DAROCHA, T., NIEWIAROWSKI, S., and STACHURSKA, J.: The antithrombin activity of glucuronic esters of bilirubin, 478
 KRAWITZ, S.: See METZ, J., STEVENS, K., KRAWITZ, S., and BRANDT, V.
 KWANTES, W.: See ASHLEY, D. J. B., and KWANTES, W.
 KYRIAKIDIS, V.: See CHOREMIS, C., KYRIAKIDIS, V., and PAPADAKIS, E.
- Lactobacillus leichmannii* serum B₁₂ assay, influence of penicillin on, 189
 LARKIN, I. M., BRIDSON, E. Y., GRIEVE, W. S. M., and GIBSON, J. W.: Disinfection of hospital blankets with synthetic phenolic compounds, 80
 Latex fixation test using British latex and bovine gamma globulin, 309
 Lead poisoning, anaemia of, 548
 LEHMANN, H., and SHARIH, A.: Tris buffer for differentiation between haemoglobins C and E and separation of haemoglobins S from F and 'lepore' from A, 200
 LENDRUM, A. C.: Fibrin and inclusion bodies (P), 327
 LENNOX, B.: Sex chromosome anomalies (P), 325
 Leucocidin, anti-Panton-Valentine, in serum, haemagglutination test for, 161
 Leukaemia, chromosome anomalies in (P), 325
 LEW, E.: See EICHORN, F., ZELMANOWSKI, S., LEW, E., RUTENBERG, A., and FANIAS, B.
 LIBRACH, I. M., and SETH, R. K.: Human listerial meningitis, 193
 LIDDELL, J.: See HUNTSMAN, R. G., and LIDDELL, J.
- Lipids and lipoproteins, blood, in thalassaemia and sickle cell anaemia, 361
 —, blood, relation of, to myocardial necrosis (P), 327
 — in cadaver sera after fatal heart attacks, 496
Listeria monocytogenes, case of meningitis due to, 512
 Listerial meningitis, human, 193
 LITTON, A.: See CAMERON, J. M., LITTON, A., and LYON, D. S.
 Liver, anticoagulants and, 208
 — disease, multiple plasma enzyme activities in, 283
 Locum Bureau, 333
 LOMINSKI, I. R. W., SMITH, D. D., SCOTT, A. C., and TURNER, G.: Coagulase as an immunizing agent against staphylococcal infections (P), 326
 LORBER, J.: See POTTER, C. W., and LORBER, J.
 LOWBURY, E. J. L.: Skin disinfection, 85
 Lupus erythematosus, haematological findings and prognosis in (P), 327
 Lymphadenitis, toxoplasmic, histological diagnosis of, 565
 LYON, D. S.: See CAMERON, J. M., LITTON, A., and LYON, D. S.
- MCCALLUM, H. M.: See GOUDIE, R. B., and MCCALLUM, H. M.
 MCCORRY, R. L.: See NEILL, D. W., CARRÉ, I. J., MCCORRY, R. L., and THOMPSON, R. H.
 MCENTEGART, M. G.: See NAIRN, R. C., MCENTEGART, M. G., FOTHERGILL, J. E., and PORTEOUS, I. B.
 MACFARLANE, R. G., and TOMLINSON, A. H.: An apparatus for measuring the tensile strength of blood clots, 320
 MACFIE, J. M.: See BLACKBURN, E. K., MACFIE, J. M., MONAGHAN, J. H., and PAGE, A. P. M.
 MCTAGGART, H.: See RANNIE, I., and MCTAGGART, H.
 MADSEN, C. B.: See KISSMEYER-NIELSEN, F., and MADSEN, C. B.
 Magnesium, determination of, in biological materials by flame photometry, 403
 —, estimation of, in small biological samples by flame spectrophotometry, 400
 —, plasma, in health and disease, 410
 Malignancy, primary hepatic, pathology of 111 cases collected in Liverpool region, 120
 MARKS, V.: See WINCEY, C., and MARKS, V.
 Marrow films on slides, automatic staining machine for, 323
 — smears, significance of Howell-Jolly bodies and giant metamyelocytes in, 374
 MARSH, W. L., and JENKINS, W. J.: The recognition of Hageman deficiency in blood donors, 550
 MARSHALL, A. G.: A simple method of weighing the heart, 578
 —: The technique of weighing the heart (P), 327
 MEADE, B. W.: See WALSH, M. P., and MEADE, B. W.
 Megaloblastic anaemia of pregnancy, minimal criteria for diagnosis of, (P) 101, 536
 MELNICK, S. C.: See SOOTHILL, J. F., BLAINEY, J. D., NEALE, F. C., FISCHER-WILLIAMS, M., and MELNICK, S. C.
 Meningitis due to *Listeria monocytogenes*, case of, 512
 —, human listerial, 193
 Metabolic changes following severe trauma (P), 101
 Metamyelocytes, giant, in marrow smears, significance of, 374
 Methicillin-resistant staphylococci, 385
 3-Methoxy 4-hydroxy mandelic acid, determination of, in urine, 502
 Metronidazole, laboratory studies with, 431
 METZ, J., STEVENS, K., KRAWITZ, S., and BRANDT, V.: The plasma clearance of injected doses of folic acid as an index of folic acid deficiency, 622
 MEYNELL, M. J.: See BRADLEY, J., and MEYNELL, M. J.
 MOLLIN, D. L.: See KOHN, J., MOLLIN, D. L., and ROSENBAUGH, L. M.
 —: See WATERS, A. H., and MOLLIN, D. L.
 MOLLISON, P. L.: See KEKWICK, R. A., VALLET, L., CUTBUSH, M., MOLLISON, P. L., THOMAS, A. R., GELL, P. G. H., and SOOTHILL, J. F.
 MONAGHAN, J. H.: See BLACKBURN, E. K., MACFIE, J. M., MONAGHAN, J. H., and PAGE, A. P. M.
 Mongolism, chromosome anomalies in (P), 325
 MONTGOMERY, R. D.: The estimation of magnesium in small biological samples by flame spectrophotometry, 400
 MOORE, J. M.: Serum precipitin reactions in Hashimoto's thyroiditis, 533
 Mortuary design and hazards, 103
 Mucosa, gastric, cytology of, 132
 Myeloid metaplasia, primary, radio-isotope investigations in, 595
 Myocardial necrosis, relation of blood lipids to (P), 327
- NAIRN, R. C., MCENTEGART, M. G., FOTHERGILL, J. E., and PORTEOUS, I. B.: Diagnostic applications of fluorescent antibody (P), 328
 Nasal abnormality and carrier rate of *Staphylococcus aureus*, 519
 NEALE, F. C.: See SOOTHILL, J. F., BLAINEY, J. D., NEALE, F. C., FISCHER-WILLIAMS, M., and MELNICK, S. C.
 NEILL, D. W., CARRÉ, I. J., MCCORRY, R. L., and THOMPSON, R. H.: A possible source of error in the diagnosis of phaeochromocytoma, 415
 NELSON, M. G., and LAMONT, A.: Haemoglobinometry by an automatic analytical procedure, 448
 Neoplastic disease (Symposium, Columbia University College of Physicians and Surgeons), 564

- Nerve, human peripheral, obtained by biopsy, application of x-ray diffraction and electron microscopy to, 152
- NESTEL, P. J.: A note on platelet adhesiveness in ischaemic heart disease, 150
- Neurology, 7th International Congress of, 102, 218
- NICHOLSON, J. See PORTER, I. A., and NICHOLSON, J.
- NICOL, A. See BAILEY, I. S., GARRETT, G., and NICOL, A.
- See SCLARE, G., NICOL, A., and TAYLOR, G.
- NIEMIAROWSKI, S. See KOPEĆ, M., DAROCHA, T., NIEMIAROWSKI, S., and STACHURSKA, J.
- Nocardiosis in anaemic patients given steroids, 259
- O'BRIEN, J. R.: The adhesiveness of native platelets and its prevention, 140
- Oesophagus in iron-deficiency anaemia and effect of iron therapy, 603
- Operating theatres, prevention of infection in, 45
- Osteogenic sarcomatosis, sclerosing, 109
- Oxalo-acetic transaminase determination, control material for, 674
- Packed cell volume, determination of, by centrifugation, 198
- red cells of severe thalassaemia, sodium, potassium, water, and haemoglobin in, 637
- PAGE, A. P. M. See BLACKBURN, E. K., MACFIE, J. M., MONAGHAN, J. H., and PAGE, A. P. M.
- PALMER, F. J. See BAIRD, I. M., DODGE, O. G., PALMER, F. J., and WAWMAN, R. J.
- Pancreatic islets, development of, in human foetus (P), 330
- PAPADAKIS, E. See CHOREMIS, C., KYRIAKIDES, V., and PAPADAKIS, E.
- Papainized incomplete anti-D sera, Rh typing employing, 444
- Paper electrophoresis, quantitative determination of A₂ haemoglobin by, using tris buffer, 441
- — — haemoglobin A₂ using, 164
- , preserving sterility of surgical dressings wrapped in, 76
- tests for occult blood in faeces and fate of swallowed red cells, 436
- PATRICK, E. A. K., WHARTON, R. H., PRENTIS, K., and SIGNY, A. G.: Sterilization by gas ovens, 62
- PAYNE, R. B.: A latex fixation test using British latex and bovine gamma globulin, 309
- Penicillin, influence of, on *L. leichmannii* serum B₁₂ assay, 189
- Peripheral nerve, human, obtained by biopsy, application of x-ray diffraction and electron microscopy to, 152
- PETERSEN, B. See WITH, T. K., PETERSEN, T. D., and PETERSEN, B.
- PETERSEN, T. D. See WITH, T. K., PETERSEN, T. D., and PETERSEN, B.
- Phaeochromocytoma, possible source of error in diagnosis of, 415
- Phenolic compounds, synthetic, disinfection of hospital blankets with, 80
- PLAICE, C. H. J.: A note on the determination of serum beta-glucuronidase activity, 661
- Plasma bilirubin analysis, six representative methods of, 271
- clearance of injected folic acid as index of folic acid deficiency, 622
- enzyme activities, multiple, in liver disease, 283
- , extraction of Evans blue from, 675
- 17-hydroxycorticoids, effect of corticotrophin zinc on, as test of adrenal cortical function, 185
- magnesium in health and disease, 410
- Plastic bags, platelets in blood stored in, 626, 630
- Platelet adhesiveness in ischaemic heart disease, 150
- Platelets in blood stored in untreated and siliconed glass bottles and plastic bags, 626, 630
- , native, adhesiveness of, and its prevention, 140
- PORTEOUS, I. B. See NAIRN, R. C., MCENTEGART, M. G., FOTHERGILL, J. E., and PORTEOUS, I. B.
- PORTER, I. A., and NICHOLSON, J.: A contact slide method for the isolation of staphylococci, 557
- See GREEN, C. A., and PORTER, I. A.
- Post-gamma protein, occurrence of, in urine, 172
- Potassium in packed red cells of severe thalassaemia, 637
- POTTER, C. W., and LORBER, J.: Antistreptolysin levels in normal infants and young children, 525
- POWELL, D. B. See DARMADY, E. M., HUGHES, K. E. A., BURT, M. M., FREEMAN, B. M., and POWELL, D. B.
- Precipitin reactions, serum, in Hashimoto's thyroiditis, 533
- Pregnancy, megaloblastic anaemia of, minimal criteria for diagnosis of, (P) 101, 536
- PRENTIS, K. See PATRICK, E. A. K., WHARTON, R. H., PRENTIS, K., and SIGNY, A. G.
- PRINCE, D. See DARMADY, E. M., HUGHES, K. E. A., JONES, J. D., PRINCE, D., and TUKE, W.
- See DARMADY, E. M., HUGHES, K. E. A., JONES, J. D., PRINCE, D., and VERDON, P.
- Protein concentration, micro technique for, suitable for quantitative electrophoresis of cerebrospinal fluid, 559
- pattern, serum, development of, in Africans, 644
- , post-gamma, occurrence of, in urine, 172
- Proteins, abnormal, in three patients with cryoglobulinaemia, physico-chemical and immunological observations on, 179
- , soluble cerebral, in normal and oedematous brain, 289
- PULLICINO, F. See GRECH, J. L., CACHIA, E. A., CALLEJA, F., and PULLICINO, F.
- Q fever endocarditis, case of (P), 329
- Radiation sterilization, 55
- Radioactivity, urinary excretion of, after parenteral ⁵⁵Co B₁₂ in man, 351
- Radio-isotope investigations in primary myeloid metaplasia, 595
- RANNIE, I., and MCTAGGART, H.: Minimal criteria for diagnosis of megaloblastic anaemia of pregnancy, (P) 101, 536
- Red cells, 'heat-affected', counting, as guide to later disappearance after burns, 295
- , packed, of severe thalassaemia, sodium, potassium, water, and haemoglobin in, 637
- , swallowed, paper tests for occult blood in faeces and fate of, 436
- Renal enlargement in chronic cor pulmonale, 552
- Rh typing employing capillary tube technique and papainized incomplete anti-D sera, 444
- Rheumatoid arthritis, anaesthetic and post-operative hazards in (P), 328
- RICHARDS, W. C. D., and SPRIGGS, A. I.: The cytology of gastric mucosa, 132
- ROBB, P.: Development of the pancreatic islets in the human foetus (P), 330
- ROGERS, J. A. See WATSON, D., and ROGERS, J. A.
- ROGERS, K. B. See CAMERON, A. H., and ROGERS, K. B.
- ROITT, I. M. See FULTHORPE, A. J., ROITT, I. M., DONIACH, D., and COUCHMAN, K.
- ROSENBAUGH, L. M. See KOHN, J., MOLLIN, D. L., and ROSENBAUGH, L. M.
- ROWE, D. S.: A rapid method for the estimation of serum haptoglobin, 205
- RUTENBERG, A. See EICHORN, F., ZELMANOWSKI, S., LEW, E., RUTENBERG, A., and FANIAS, B.
- Saliva, method for collection of, 204
- Salivary tissue, tumours of, 232
- Salmonella cholerae suis*, fatal septicaemia due to, 528
- Salmonellae, rapid isolation of, from faeces, 397
- SANDERS, C., and SKERRY, D. W.: The distribution of blood cells on haemocytometer counting chambers with special reference to the amended British Standards Specification 748 (1958), 298
- Sarcomatosis, sclerosing osteogenic, 109
- SCLARE, G., NICOL, A., and TAYLOR, G.: Hepatic cirrhosis and the thyroid (P), 329
- SCOTT, A. C. See LOMINSKI, I. R. W., SMITH, D. D., SCOTT, A. C., and TURNER, G.
- SELWYN, J. G.: An automatic staining machine for blood and marrow films on slides, 323
- Septic fingers, staphylococci in, 96
- Septicaemia, fatal, due to *Salmonella cholerae suis*, 528
- Sera, lipids in, after fatal heart attacks, 496
- Serum alkaline phosphatase fractionation as aid to diagnosis, 500
- , anti-Panton-Valentine leucocidin in, haemagglutination test for, 161
- beta-glucuronidase activity, determination of, 661
- haptoglobin, rapid method for estimation of, 205
- , human, folic acid activity of, 335
- iron and iron-binding capacity, rapid incremental methods for determination of, 488
- *L. leichmannii* B₁₂ assay, influence of penicillin on, 189
- , No. 9 freeze-dried, 102
- of patients with hypogammaglobulinaemia, estimation of gamma globulin in, 470
- precipitin reactions in Hashimoto's thyroiditis, 533
- protein pattern, development of, in Africans, 644
- , uric acid determination by carbonate method for, 450
- SETH, R. K. See LIBRACH, I. M., and SETH, R. K.
- Sex chromosome anomalies (P), 325
- SHARIH, A. See LEHMANN, H., and SHARIH, A.
- Sheep cell preparation, stable, for detection of thyroglobulin auto-antibodies, 654
- SHOOTER, R. A., and WILLIAMS, R. E. O.: Prevention of infection in operating theatres, 45
- Sickle cell anaemia, blood lipids and lipoproteins in, 361
- SIGNY, A. G. See PATRICK, E. A. K., WHARTON, R. H., PRENTIS, K., and SIGNY, A. G.
- SKERRY, D. W. See SANDERS, C., and SKERRY, D. W.
- Skin antiseptics, common, efficiency tests on, under ward conditions, 91
- disinfection, 85
- punctures, rate of blood loss from, during Ivy bleeding time test, 381
- Slide agglutination test in diagnosis of typhoid fevers and typhus, 446
- SMITH, D. D. See LOMINSKI, I. R. W., SMITH, D. D., SCOTT, A. C., and TURNER, G.

