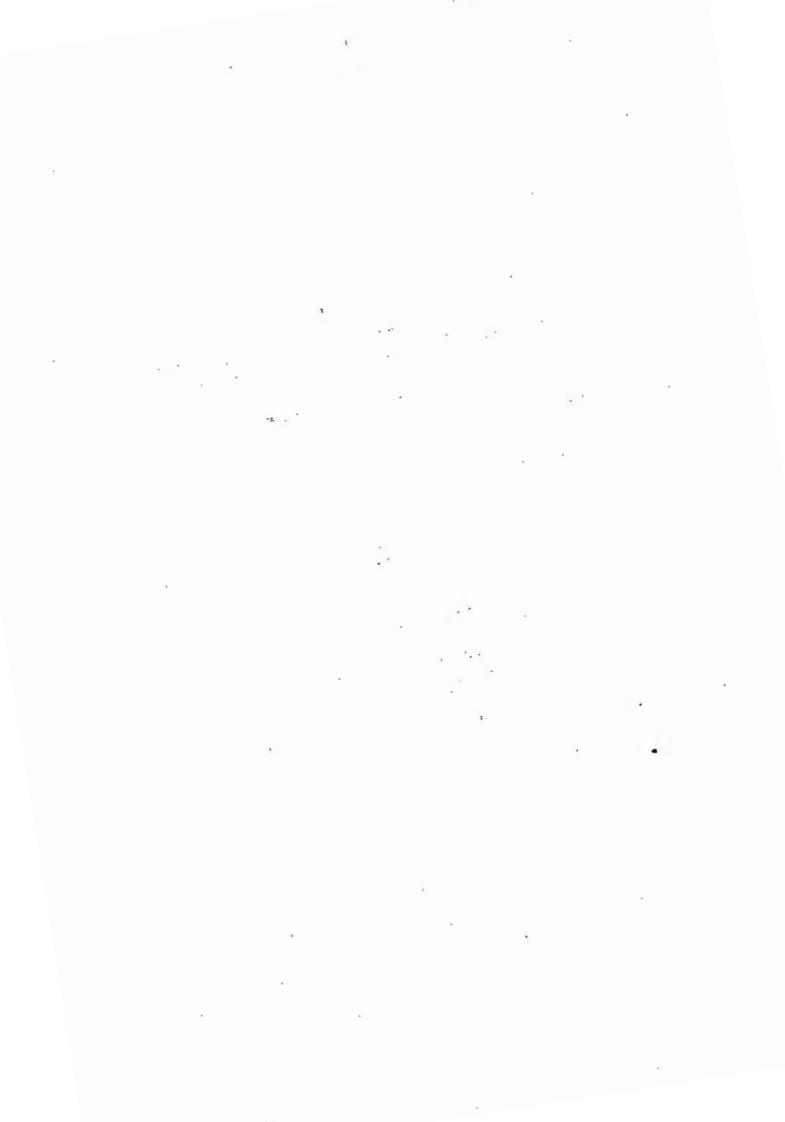
THE BAKER MEDICAL RESEARCH INSTITUTE



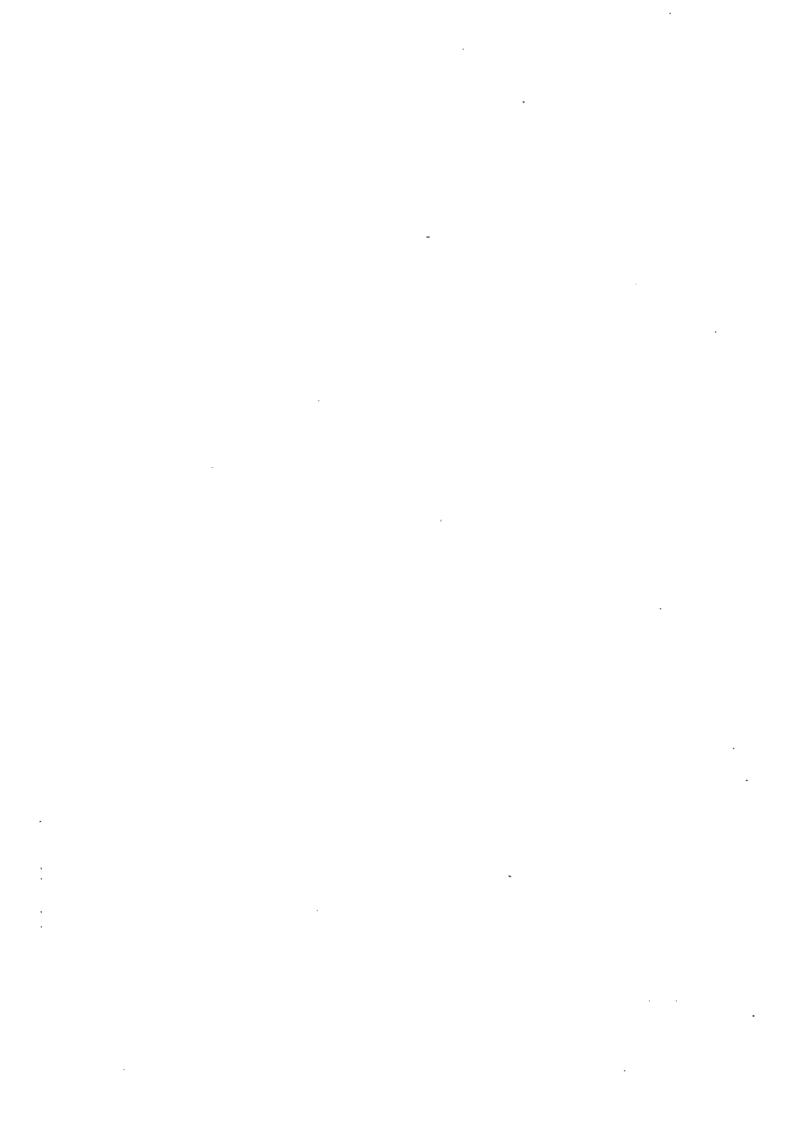
SEVENTH ANNUAL REPORT 1932-33



PREFACE.

The outstanding feature of the Institute's development during the past year has been the inauguration of a series of scientific monographs. These monographs are likely to prove a valuable means of medical education.

> (Signed) J. F. MACKEDDIE, Chairman of the Trustees.



The Thomas Baker, Alice Baker, and Eleanor Shaw Medical Research Institute.

ALFRED HOSPITAL, PRAHRAN, MELBOURNE.

The Baker Institute and Pathological Department are under a unified administration.

TRUSTEES OF THE BAKER INSTITUTE.

DR. J. F. MACKEDDIE, Chairman, Hon. Physician to the Hospital.

R. H. WILKINS, Esq., Member of the Board of Management of the Hospital.

J. SUTHERLAND, ESQ.

E. O'Donnell, Esq., Hon. Treasurer to the Baker Institute and the Hospital.

JOHN TURNBULL, Esq. (Blake and Riggall), Honorary Solicitor.

E. H. FLACK, Esq. (Flack and Flack), Hon. Auditor.

LIEUT.-COL. J. H. P. ELLER, D.S.O., V.D., Secretary to the Trustees.

STAFF OF THE BAKER INSTITUTE.

Medical Personnel:

(a) Full-time Workers-

Duty.

- W. J. Penfold, M.B., CH.M. Director of the Institute and (EDIN.), B.HY. (DUNELM), Hon. Bacteriologist to the M.R.C.S. (ENG.) Hospital.
- A. B. CORKILL, M.B., B.S. Experimental Physiologist and (MEIB.) Research Biochemist.
 - (b) Part-time Workers—
- J. F. MACKEDDIE,* B.A., M.D., D.S. (MELB.) Neurological Research.
- R. A. Whles, M.D., B.S., D.Sc. Pathological Research with spe-(MELB.) cial reference to malignant tumours.
- CHAS. E. SUTHERLAND,* M.B., Investigation of methods for B.S. (MELB.), M.R.C.P. (LON-the detection and removal of DON)

 the allergic state.
- ALFRED J. TRINCA,* M.D., B.S. Hon. Consulting Pathologist to (MELB.), F.R.C.S. (ENG.), the Institute, F.R.A.C.S.
- HUGH C. TRUMBLE,* M.C., M.B., The Investigation of (1) the B.S. (MELB.), F.R.C.S. (ENG.) Nerve Supply and Musculature of Certain Abdominal Viscera, (2) other surgical problems.
- J. RINGLAND ANDERSON, M.C., Various Ophthalmological In-M.B., B.S. (MELB.), F.R.C.S. vestigations. (EDIN.), F.R.A.C.S. D.O.M.S. (LONDON).
- ROBERT FOWLER, O.B.E., V.D., Research on Treatment of M.D., B.S. (MELB.), F.R.C.S. Carcinoma of Uterine Cervix (in conjunction with League of Nations Cancer Commission).

- Medical Personnel: Part-time (Continued)-
- G. A. KAYE, M.D., B.S. (MELB.) Editor of a Monograph on Anaesthetics.
- EWEN DOWNIE,* M.D., B.S. Investigation of Arterial Dis-(MELB.), M.R.C.P. (LONDON) ease in Diabetes.
- LEONARD B. Cox,* M.D., B.S. Study of the Histo-pathology (MELB.), M.R.C.P. (EDIN- of the Nervous System. EURGH)
- H. Shannon*, M.D., B.S. (LON-Study of various problems in DON), D.P.H. (OXFORD), Tuberculosis.

 M.R.C.S. (ENG.), L.R.C.P. (LON-DON)
- O. W. TIEGS,* D.SC. (ADELAIDE) Investigation of the Influence of the Sympathetic Nervous System on Muscle.
- T. A'B. TRAVERS,* M.B., B.S. Curator of the Ophthalmologi-(MELB.), M.R.C.P. (LONDON), cal Section of the Museum. D.O.M.S. (LONDON)
- C. H. Hembrow, M.B., B.S. (MELB.), F.R.C.S. (ENGLAND), F.R.A.C.S. Various surgical investigations.
- M. Mushin,* M.B., B.S. (MELB.) Laboratory Investigations in the Diagnosis of Pancreatitis.

Scientific Personnel and Assistants:

(a) Full-time Workers—

Mr. Jas. Sutherland . . . Bacteriologist.

Mr. A. F. Doutch . . . Physical Chemist.

MARGARET E. LONG, M.SC. (MELB.) (Resigned) . . . Biochemist.

DOROTHY H. IRVING, B.SC. (MELB.) Biochemist.

HILDRED M. BUTLER, B.SC. (MELB.) Bacteriologist.

Scientific Personnel and Assistant	s: Full Time (Continued)—
ISOBEL M. MCPHEE, B.Sc. (MELB.)	
MARY PHILLIPS,* B.SC. (MELB.)	Assistant Bacteriologist.
Marjorde M. Sharwood,* b.sc. (MELB.)	Assistant Biochemist.
(One half of Miss Sharwood's t as Assistant in the	
MR. CHAS. A. E. PRICE* (Resigned).	The Determination of the Refractive Index of the Body Fluids.
Mr. E. M. Burt	Histological Technician.
GLEN BUCKLE	Assistant.
JAS. E. PAYNE	
W. P. T. SORRELL	Assistant.
(b) Part-time Workers—	
	Records Officer for Asthma Research.
Mr. D. B. Smith, B.E.E., A.M.I.E. (AUST.)	
Secretarial:	
Miss Edith Ross	Secretary to the Director and Librarian to the Institute.
Animal Attendants:	
ALEX. GRAY	
LEN. SMITH	Assistant.

CHAS. STEWART Assistant.

PATHOLOGICAL DEPARTMENT.

Medical Personnel:

- (a) Full-time Workers—
- R. A. WILLIS, M.D., B.S., D.SC.
 (MELB.) Pathologist to the Hospital.
- B. O. Jones, M.B., B.S. (MELB.)
 (Resigned)

 Assistant Pathologist.
 - (b) Part-time Workers-
- Professor P. McCallum,* Hon. Pathologist to the Hos-M.C., M.A., M.SC. (N.Z.), M.B., pital. CH.B., D.P.H. (EDIN.)
- ALFRED J. TRINCA,* M.D., B.S. Hon. Curator of the Pathologi-(MELB.), F.R.C.S. (ENG.), cal Museum. F.R.A.C.S.
- F. M. READ, M.B., B.S. (MELB.) Assists the Curator of the Museum.

Scientific Personnel and Assistants:

MR. A. HYAMS Bacteriologist:

MR. A. H. Ennor. . . . Assistant.

MR. REGINALD PROSSER . . . P.M. and Histological Assistant.

MR. H. QUIGLEY P.M. Attendant

Gordon Ley Assistant.

GILBERT WIGNALL (Resigned) .

Mr. Arthur Steele* . . . (Resigned) Assistant.

*Denotes Honorary Workers.

Sebenth Annual Report

of the

Baker Medical Research Institute

30th April, 1933.

Gentlemen,-

The year under review has been one of many difficulties. The revenue of the Institute has been seriously curtailed, so that salary and staff reductions have been necessary, which it is trusted may only be temporary. The volume of work on which to draw for the annual report is not up to that of former years, but fortunately the period of restriction is passing.

In August the Lang Unit for physiological research was completed, and all the valuable apparatus, which had hitherto been accommodated in the Pathological Department, was transferred to the new unit. The opening ceremony was performed by Mr. F. D. Michaelis, the President of the Hospital, in the presence of Mrs. Baker, members of the Board of Management and of the Honorary Staff of the Hospital, and friends of the Baker Institute. Unfortunately, Miss Lang was not able to be present at the opening of the unit, for she had gone on a prolonged visit to Western Australia.

On the 29th June Dr. Corkill officially informed the Trustees that he had been awarded a Rockefeller Fellowship. He left in November to recommence his work with Sir Henry Dale at the Medical Research Council's Laboratory, London.

Dr. Willis has also been awarded a Rockefeller Fellowship, and will leave on the 23rd May, 1933, for a year's research work with Sir Arthur Keith, of the Museum of the Royal College of Surgeons, London, and Professor H. R. Dean, of the Department of Pathology of the University of Cambridge.

Mr. Robt. Fowler, F.R.C.S., has returned from his trip abroad, and has already, in collaboration with Mr. Doutch, started work in the laboratory, which will be likely to be helpful in his Clinic and in his subject.

Dr. M. Mushin, who had worked in the Institute on the iaboratory side of pancreatitis, has left us on resigning his

position of Superintendent of the Hospital. We cannot let this opportunity pass without expressing our gratitude to him for the very helpful and sympathetic way in which he has co-operated with the Institute in all its research activities.

Mr. C. A. E. Price, who had acted as a voluntary worker with us for many years, resigned on the 16th November, 1932. He was personally thanked by the Trustees for his long period of honorary service, and presented with a memento in the form of scientific literature.

Miss Long resigned from the staff on the 15th October, 1932, after three years of devoted service.

By August, 1932, we had succeeded in collecting £170 from friends of the Institute and the Hospital for the publication of the first Baker Institute Monograph. The policy has been to encourage the publication of these monographs by the various workers associated with the Institute after they have done a sufficient amount of original research in the subject and in its literature to have the necessary experience to do the work. The Institute is not responsible for the financing of the monograph venture. This venture was not contemplated by Mr. Baker in his original plan, consequently the financial responsibility has been carried by private subscribers, who have given the Institute the most generous support in this matter.

The second monograph, by Dr. R. A. Willis, on "The Spread of Tumours in the Human Body," will go to press in July or August of this year, and we anticipate that the publication of the first edition will cost about £350. Towards the cost of this work we have received the most generous support from Mr. A. Nicholas, from the Edward Wilson (of the "Argus") Trust, the University of Melbourne, and from other subscribers. Dr. Willis, in his monograph, deals with his personal observations made in over 300 post-mortem examinations on the subjects of malignant disease, and, in addition, he critically reviews over two thousand references, so that his work represents a scholarly treatment of the whole subject most helpful to the pathologist, the surgeon and the cancer research worker.

The copyrights of these monographs will be vested in the Institute's Trustees. Any profits from sales will be placed to the credit of the Monograph Fund. The Institute itself carries out gratis the wholesale distribution in Australia. It is believed that the third monograph will not be ready for about a year.

Miss H. M. Butler has received a grant from the University, and, under the auspices of the Baker Institute, the University and the Women's Hospital, is carrying out further work on the intrauterine infection of the placenta and the foetus in the induction of labour.

In October we applied for the opportunity to carry out some research work for the Australian Dairy Research Council on the subject of contagious mastitis of bovines, a problem of enormous economic importance to the dairy industry of Australia. An official scheme, however, has been put forward, and up to the present we have not received authority to proceed with the work.

In November a reorganisation of the routine work was undertaken, with the idea of concentrating it in fewer hands without any sacrifice of efficiency.

Miss Ross, Secretary to the Director, and Librarian of the Institute, applied to the Trustees for leave of absence for one year, in order to visit Europe to perfect her knowledge of French, German and Italian. Hitherto she has translated articles from these languages into English, and so has been of the very greatest service to various members of the research staff. She believes that this European experience will greatly increase her efficiency in this work. The whole Institute parted from her with great regret.

During the year the laboratory work carried out for the Hospital was as follows:—

ROUTINE WORK FOR YEAR ENDED 30th APRIL, 1933.

Post-Mortem Examinations	205	
Examinations of Sputum for T.B	645	
Micro. Examinations of Urine	945	
Micro. Examinations of Pleural and Peritoneal		
Fluids	59	
Blood Examinations	441	
Pus Examinations	53	
Micro. Sections—Post Mortem		
Micro. Sections—Paraffin	915	
Micro. Sections—Frozen	30	
Guinea Pig Inoculations	74	
		3,869
		0,000
Test Meals	365	0,000
Test Meals	$\begin{array}{c} 365 \\ 420 \end{array}$	0,000
		0,000
Blood Urea Estimations	420	0,000
Blood Urea Estimations	$\frac{420}{293}$	0,000
Blood Urea Estimations Urea Concentration Estimations Blood Sugar Estimations (Single) Blood Sugar Curves	420 293 381	0,000
Blood Urea Estimations Urea Concentration Estimations Blood Sugar Estimations (Single) Blood Sugar Curves Cerebro-spinal Fluid Examinations	420 293 381 83	0,000
Blood Urea Estimations Urea Concentration Estimations Blood Sugar Estimations (Single) Blood Sugar Curves	420 293 381 83 142 55	0,000
Blood Urea Estimations Urea Concentration Estimations Blood Sugar Estimations (Single) Blood Sugar Curves Cerebro-spinal Fluid Examinations Basal Metabolic Rate Estimations Fouchet Tests	420 293 381 83 142 55	0,000
Blood Urea Estimations Urea Concentration Estimations Blood Sugar Estimations (Single) Blood Sugar Curves Cerebro-spinal Fluid Examinations Basal Metabolic Rate Estimations	420 293 381 83 142 55	0,000

Blood Calcium Tests 6	
Urine Tests for Sugar, etc	
Miscellaneous 16	
·	1,998
Electrocardiograms	278
Wassermann Tests 2,402	
Gonococcal Complement Fixation Tests 375	
Diphtheria Examinations	
Examinations for Gonococci, etc 2,432	
Dark-ground Examinations 39	
Blood Cultures 99	
Sundry Cultures 251	
Vaccines	
Investigations for Typhoid and Dysentery 117	
Widal Tests 16	
Other Agglutination Tests	
Pneumococcal Typing 22	
Sundry Smears 29	
Inoculations	
Pregnancy Tests 22	
Miscellaneous 33	
· · · · · · ·	7,977
Total	14,122

The work published during the year or in course of preparation for publication is as follows:—

(The papers are arranged in the alphabetical order of the names of authors.)

- J. RINGLAND ANDERSON, M.C.; M.B., B.S. (Melb.); F.R.C.S. (Edin.); D.O.M.S. (London); F.R.A.C.S.:
 - "Anterior Dialysis of the Retina: Disinsertion or Avulsion at the Ora Serrata." Appeared in the "British Journal of Ophthalmology," November and December, 1932.
 - "Anterior Retinal Dialysis." Appeared in the "Medical Journal of Australia," 31st December, 1932.
 - "Holes in the Hyaloid Membrane of the Vitreous." In the press.
 - "The Value of Perimetry." In the press.
 - "Early Recognition of Glaucoma." In preparation.
 - "Calcium Content of the Blood in Various Ocular Disorders." In preparation.

A. B. CORKILL, M.B., B.S. (Melb.):

"The Influence of Insulin on the Liver Glycogen of the Common Grey Australian Opossum (Trichosurus)." Appeared in the "Journal of Physiology," Vol. LXXV, 30th May, 1932, page 29.

"The Influence of Toxaemia on Carbohydrate Metabolism." Appeared in the "Journal of Physiology," Vol. LXXV,

10th August, 1932, page 381.

A. B. CORKILL, M.B., B.S. (Melb.), and O. W. Tiegs, D.Sc. (Adelaide):

"The Effect of Sympathetic Nerve Stimulation on the Power of Contraction of Skeletal Muscle." In the press.

- LEONARD B. Cox, M.D., B.S. (Melb.); M.R.C.P. (Edinburgh): "An Examination of the Cytology of the Glioma Group, with Especial Reference to Inclusion Cells." In the press. "One Hundred and Thirty Intracranial Tumours, with Observations Concerning Their Incidence, Exact Nature, Location, Duration and Removability." In preparation.
- EWEN DOWNIE, M.D., B.S. (Melb); M.R.C.P. (London), and MARGARET E. LONG, M.Sc. (Melb):
 - "Observations on Disturbances of Glucose Tolerance During the Course of Infections." Appeared in the "Medical Journal of Australia," 7th May, 1932, page 647.
- EWEN DOWNIE, M.D., B.S. (Melb); M.R.C.P. (London):
 - "Observations on Glucose Tolerance in Cases of Pancreatitis." Appeared in the "Australian and New Zealand Journal of Surgery," Vol. 11, October, 1932, page 133.

"Observations on the Etiology and Pathology of Bronchial

Carcinoma." In the press.

- "Diabetes Mellitus." In the press.
- ROBERT FOWLER, O.B.E., V.D.; M.D., B.S. (Melb.); F.R.C.S., F.R.A.C.S.:
 - "The Treatment of Carcinoma of the Uterine Cervix." In the press.
- C. H. HEMBROW, M.B., B.S. (Melb.); F.R.C.S. (England); F.R.A.C.S.:
 - "Some Anomalous Forms of Appendicitis." Appeared in the "Medical Journal of Australia," 18th June, 1932, page 862.
- G. A. KAYE, M.D., B.S. (Melb.), and Isobel M. McPhee, B.Sc.
 - "Some Observations on the Prognosis in Acute Nephritis." Appeared in the "Medical Journal of Australia." 2nd July, 1932, page 14.

- M. MUSHIN, M.B., B.S.:
 - "Urinary Diastase in Acute Pancreatitis." Appeared in the "Australian and New Zealand Journal of Surgery." Vol. II, No. 2, October, 1932, page 133.
- W. J. PENFOLD, M.B., CH.M., B.HYG., M.R.C.S., and HILDRED M. BUTLER, B.Sc.:
 - "The Serum Treatment of Experimental Streptococcal Infection." Appeared in the "Medical Journal of Australia," 21st May, 1932, page 717.
 - "Infection of the Placenta and of the Foetus by Induction of Labour in Eclampsia." Appeared in the "Medical Journal of Australia," 18th March, 1933.
- W. J. PENFOLD, M.B., CH.M., B.HYG., M.R.C.S.; HILDRED M. BUTLER, B.Sc., and IAN JEFFREYS WOOD, M.D.:
 - "The Aetiology of Erythroedema (Swift's Disease, Pink Disease, Erythroedema Polyneuritis, Juvenile Acrodynia, Trophodermatoneurose), with Special Reference to Blood Culture." Appeared in the "Medical Journal of Australia," 30th July, 1932, Vol. II, No. 5, page 127.
- W. J. PENFOLD, M.B., CH.M., B.HYG., M.R.C.S., and Jas. Sutherland:
 - "A Note on Movements and Precipitations of an Amphoteric Colloid Due to an Electric Field and Slight Electrolysis." Appeared in the "Biochemical Journal," Vol. XXVI, No. 6, 1932, page 1839.
- W. J. PENFOLD, M.B., CH.M., B.HYG., M.R.C.S.; JAS. SUTHER-LAND, and C. A. E. PRICE:
 - "Observations on the Bile in Disease of the Gall Bladder." In preparation.
 - "Observations on the Refractive Index and Surface Tension of the Bile." In preparation.
- H. LAWRENCE STOKES, M.B., B.S. (Melb.); M.R.C.P. (London); MARGARET E. LONG, M.Sc. (Melb.), and B. O. JONES, M.B., B.S. (Melb.):
 - "An Analysis of Electrocardiographic Results." In preparation.
- A. J. TRINCA, M.D., B.S. (Melb.); F.R.C.S. (Eng.); F.R.A.C.S., and R. H. ORTON, M.B., B.S.:
 - "The Pathology of Appendicitis." In the press.
- A. J. TRINGA, M.D., B.S. (Melb.); F.R.C.S. (Eng.); F.R.A.C.S..
 - "Some Diagnostic Points in Diseases of the Breast." Appeared in the "Australian and New Zealand Journal of Surgery," April, 1933, p. 395.

- H. SHANNON, M.D., B.S. (London); M.R.C.S. (Eng.); L.R.C.P. (London); D.P.H. (Oxford):
 - "A Comparison of the Vernes and Wassermann Tests in Routine Hospital Work." Appeared in the "Medical Journal of Australia," 3rd September, 1932, page 299.
- Hugh C. Trumble, M.C.; M.B., B.S. (Melb.); F.R.C.S. (England); F.R.A.C.S.:
 - "The Plan of the Visceral Nerves in the Lumbar and Sacral Outflows of the Autonomic Nervous System." In the press.
- R. A. WILLIS, M.D., B.S., D.Sc. (Melb.):
 - "Sarcoma and Endothelioma: Frequently Incorrect Diagnoses." Appeared in the "Medical Journal of Australia," 16th July, 1932, page 65.
 - "The Spread of Tumours in the Human Body." Baker Institute Monograph No. II. In the press.

The results obtained by the scientific workers have been, or will be, dealt with in various papers. Brief mention may be made here, however, of some of the results recently obtained. Drs. Corkill and Tiegs have shown that the action of the sympathetic nervous system in relieving muscular fatigue is not due to direct action on the muscular tissue, but rather to an action on the terminations of the motor nerves of the intramuscular vessels. These workers believe that the relief has a humeral basis, and results from a chemical response of the nervous endings. The action of the sympathetic on muscle can be successfully imitated by the appropriate use of adrenalin.

Dr. Cox has greatly extended his study of brain tumours, having now examined 130 of them. It seems likely that every aspect of work on tumours of the brain will be tackled in a very complete fashion in the Hospital and the Institute. It would be desirable to have a co-operative brain tumour unit in active work. The surgery of brain tumours is extremely difficult, and many surgeons have but few opportunities to practise it. The experience in America, and in other foreign centres, has shown that where a master surgeon gets great practice in operating on brain tumours, very outstanding successes may be expected.

Miss Butler and the writer have brought forward evidence to show that not infrequently the intra-uterine infection of the foetus occurs from the induction of labour in eclampsia, and that this infection probably explains some of the foetal mortality following induction for this condition.

Mr. Sutherland and the writer have described a simple technique for illustrating some of the essential electrical properties of colloidal solutions.

Mr. Price, Mr. Sutherland and the writer have continued their studies on physical and chemical properties of normal and pathological bile, and have presented some of the results at the Alfred Hospital clinical meeting of the B.M.A. in 1932.

In respect of asthma research, Dr. Sutherland reports that during the past year further observations have been made on bronchiolar spasm produced experimentally in guinea pigs. Miss J. Norris, of the Pathology Department at the Melbourne University, has co-operated with him in investigating the possible variations in histamine inactivation by sera from asthma patients, and a great many kymographic tracings have been made in the course of this work. Miss Sharwood has joined the staff of the asthma clinic, and in addition to doing the routine allergic tests, is making observations on the seasonal variations in the pollen content of the air, and is also studying the incidence of ascaris sensitiveness on the lines suggested by Brunner in New York. It seems likely that this latter work may result in definite improvements in treatment for a proportion of asthma patients.

Dr. J. Hurley, Miss Carter and Mrs. Duffield have established a subsidiary clinic for investigating the possibilities of posture and breathing exercises for relieving asthma. Photographic records and measurements are being kept, and results are very encouraging. A large variety of cases continue to present themselves at the clinic, and it is becoming possible to assess with much more certainty the value of various treatments.

Recently Dr. Travers has made several interesting additions to the specimens in preparation for the ophthalmic section of the museum. It is hoped that in time a representative collection of specimens of pathological conditions of the eye will be available for study.

FINANCIAL.

The first monograph of the Institute, "Practical Anaesthesia," written by the anaethetists of the Hospital, was published by subscription. The second monograph, written by Dr. Willis, is now nearly ready for the press, and for its publication we are chicfly indebted to those subscribers whose names have been mentioned in the earlier part of the report. This monograph is much larger than the first, and will be more profusely illustrated. The sales of the first monograph (650 to date) have exceeded our expectation, and we have reason to hope that every Institute worker who has devoted some years to working at a special subject will be provided with reasonable opportunities of scientific

authorship. We desire to thank all subscribers to the Monograph Fund, but especially Mr. A. M. Nicholas, the Edward Wilson (of the "Argus") Trust, and the University. The support by the University of the second monograph has been especially encouraging to the Institute.

The financial statement of the Institute for the year forms an appendix to this report.

(Signed) WILLIAM JAS. PENFOLD,

Director.

To the Trustees of the Baker Institute, Alfred Hospital, Prahran.

THE THOMAS BAKER, ALICE BAKER, AND ELEANOR SHAW MEDICAL RESEARCH INSTIT Financial Statement, 1st April, 1932-31st March, 1933.

RECI	EIPTS.						PAY	MENTS	l ≱•				
To Balance at 31st March, 1 ,, The Thos. Baker	932	• • •	•	±455	3	8	By Medical Salaries, Other Salaries and	£1 ,929	15	1			
(Kodak), Alice Baker and Eleanor							Wages	3,195	2	0			
	£5,400 500		0				Less Salary Adjust-	£5,124	17	1			
" Edward Wilson Trust	$\begin{array}{c} 100 \\ 27 \end{array}$	0	0				ment	142	0	8			
" Sundry Donations , Medical Fees	185		6				" Drugs, etc	89	19	1			
Equipment	72 98	$\frac{1}{18}$	7 3				ware	113	14	4			
	_	6,383	11	4	atus	484	12	3					
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•							" Fuel and Lighting " Sundries	$\begin{array}{c} 129 \\ 79 \end{array}$	14	$\frac{0}{3}$			
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Balance in Bank, 31st Marc	h 1022			£89	2	3	•						

I have audited the above Statement, and certify it to be correct.

E. H. FLACK, Hon. Auditor.

Melbourne, 11th August, 1933.

(Sgd.)
J. F. MACKEDDIE.

J. SUTHERLAND,
R. H. WILKINS,

Trustees.

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Spectator Publishing Co.,
134a Little Collins Street, Melbourne.

