

hereunder, who, subject to the general direction of the Statistician, supervise the work of the different branches :—

JOHN STONHAM, M.A. (Sydney), Chief Compiler ; general administration, and Assistant Editorship of Official Year Book.

CHARLES HENRY WICKENS, A.I.A. Supervisor of Census, Population, Transport and Communication, and Production Statistics.

EDWARD TANNOCH MCPHEE. Shipping and Trade Statistics.

GERALD LIGHTFOOT, M.A. (Cambridge), Barrister at Law. Industrial and Social Statistics.<sup>(a)</sup>

FREDERICK DALGLISH ROSSITER, M.A. (Melbourne), Defence ; general control of Library, &c.

FREDERICK WILLIAM BARFORD, M.A. (Oxford), A.I.A. Financial and Vital Statistics.

(a) Since 1916, on loan to Commonwealth Institute of Science and Industry.

2. **Sources of Information.**—Statistical information is furnished (i) by the State Statistical Bureaux, either as a result of direct demand, or through the police and special collectors ; (ii) by Commonwealth and State Departments (see lists of publications in § 2 *infra*) ; (iii) in respect of returns of Trade, Customs and Excise, by the Trade and Customs Department ; (iv) by scientific and technical experts, specially requisitioned to write on particular subjects ; (v) by State Statisticians, as officers duly constituted under the Commonwealth Census and Statistics Act ; and (vi) by information supplied compulsorily, on the Commonwealth Statistician's demand.

3. **Maintenance of Secrecy.**—Under no circumstances can information supplied to a statistical office be used against the individual supplying it. All statistical enquiries are strictly impersonal, and the affairs of individuals or individual businesses are never disclosed. No other Government Department can make use of the Statistical Departments in order to acquire detailed information otherwise unavailable.

4. **Accuracy Essential.**—The importance of accurate statistical information is emphasised. The making of untrue statements is heavily penalised.

## § 2. Statistical Publications of Australia.

1. **Introductory.**—The official statistical publications of Australia may be divided bibliographically into two main divisions, viz. :—(1) Commonwealth publications dealing both individually and collectively with the several States of the Commonwealth, and (2) State publications dealing with individual States only. Besides these there are many other reports, etc., issued regularly, which though not wholly statistical, necessarily contain a considerable amount of statistical information. The more important of these published to August, 1920, are included in the lists given hereunder.

2. **Commonwealth Publications.**—Commonwealth publications may be grouped under two heads, viz. :—(i) Publications issued by the Commonwealth Statistician, and (ii) Parliamentary and Departmental Reports and Papers.

(i) *Publications issued by the Commonwealth Statistician.* The following is a list of statistical publications issued from the Commonwealth Bureau of Census and Statistics since its inauguration up to August, 1920. The Demography, Finance, Production, and Transport and Communication Bulletins cover statistics from 1901. The Year Book contains figures from earlier years.

*Australian Life Tables, 1901-1910. Australian Joint Life Tables, 1901-1910.*

*Census (1911) Bulletins.*—No. 1—Population of States and Territories ; No. 2—Persons of Non-European Race ; No. 3—Ages ; No. 4—Population of Counties, Local Government Areas, &c. ; No. 5—Population of Electoral Divisions, Provinces, and Districts ; No. 6—Birthplaces ; No. 7—Length of Residence in Australia ; No. 8—Religions ; No. 9—Education ; No. 10—Blindness and Deafmutism ; No. 11—Schooling ; No. 12—Conjugal Condition ; No. 13—Localities ; No. 14—Mortality Investigation ; No. 15—Families ; No. 16—Occupations ; No. 17—Occupied Dwellings.

*Census (1911) Results*.—Vol. I., Report, including Appendix A—Mathematical Theory of Population. Vol. II. (parts 1-8). Vol. III. (parts 9-14). Part 1—Ages; part 2—Birthplaces; part 3—Residence; part 4—Education; part 5—Schooling; part 6—Religions; part 7—Infirmities; part 8—Aliens; part 9—Conjugal; part 10—Families; part 11—Life Tables; part 12—Occupations, part 13—Dwellings; part 14—Summary.

*Finance*—Bulletins, 1907 to 1915-16 annually; 1916-17, 1917-18, and 1918-19 (one vol.); future issues biennially.

*Inquiry into the Cost of Living in Australia, 1910-11.*

*Labour and Industrial Statistics*—Explanatory Memorandum on the Proposed Scheme. Report No. 1—Prices, Price-Indexes and Cost of Living in Australia, 1912. No. 2—Trade Unionism, Unemployment, Wages, Prices, and Cost of Living in Australia, 1891 to 1912. No. 3—Manufacturing Industries in the Commonwealth, 1912. No. 4—Expenditure on Living in the Commonwealth, November, 1913; Price Indexes, their Nature and Limitations, &c. *Annual Reports*—Prices, Purchasing Power of Money, Wages, Trade Unions, Unemployment, and General Industrial Conditions: No. 5—1913-14; No. 6—1915; No. 7—1916; No. 8—1917; No. 9—1918.

*Labour Bulletins*—Quarterly, March, 1913 to June, 1917.\*

*Local Government in Australia*—July, 1919.

*Monthly Summary of Australian Statistics*—Bulletins Nos. 1 to 69, from January, 1912 to September, 1917\* (replacing the publication "Trade, Shipping, and Oversea Migration").

*Official Year Book of the Commonwealth of Australia*—Annually, 1907 to present issue (1920).

*Pocket Compendium of Australian Statistics*,† 1913, 1914, 1916, 1918, and 1919.

*Population and Vital Statistics Bulletins*—Determination of the Population of Australia, 1901 to 1906. Commonwealth Demography, annually, 1906 to 1910. Vital Statistics, annually, 1907 to 1910. Commonwealth Demography (comprising matter previously included in two last-named Bulletins), annually, 1911 to 1918. Vital Statistics, Quarterly, 1907 to June, 1911.\* The Nomenclature of Diseases and of Causes of Death, 1907. New Edition, 1910.

*Production*—Bulletins, annually, 1906 to 1917-8.

*Professional Papers*—No. 1—The Classification of Diseases and Causes of Death, from the standpoint of the Statistician; Nos. 2 and 3—On the Influence of Infantile Mortality on Birthrate (2 papers); No. 4—On the Statistical Opportunities of the Medical Profession; No. 5—Tuberculosis Duration Frequency Curves, and the number of existing cases ultimately fatal; No. 6—The Problems of Statistics; No. 7—The Evolution and Significance of the Census; No. 8—Census Taking‡; No. 9—Studies in Statistical Representation, I.—On the nature of the curve

$$y = Ax^m e^{nx} p^p;$$

No. 10—Studies in Statistical Representation, II.—Statistical Application of the Fourier series; No. 11—Suicide in Australia; No. 12—An Extension of the Principle Underlying Woolhouse's Method of Graduation‡; No. 13—The First Commonwealth Census; No. 14—Mathematical Analysis of Climatological Physiology; No. 15—The International Nosological Classification, &c.; No. 16—Secular Progress of Pulmonary Tuberculosis and Cancer, &c.; No. 17—The Improvement in Infantile Mortality, &c.; No. 18—Secular and Annual Fluctuations of Deaths from Several Diseases, &c. No. 19—Investigations Concerning a Law of Infant Mortality‡; No. 20—Labour and Industrial Statistics§; No. 21—A Study in Proportional Representation||; No. 22—Studies in Statistical Representation, III.—Curves, their Logarithmic Homologues and Antilogarithmic Generatrices.¶

\* Discontinued. Information now included in *Quarterly Summary of Australian Statistics*.

† Formerly *Commonwealth Statistical Digest*.

‡ By C. H. Wickens, A.I.A. § By Gerald Lightfoot, M.A. || By F. W. Barford, M.A., A.I.A.

¶ By G. H. Knibbs, C.M.G., F.S.S., F.R.A.S., and F. W. Barford, M.A., A.I.A.

- Quarterly Summary of Australian Statistics*—first issue, No. 70, December, 1917 (replacing *Monthly Summary of Australian Statistics*).
- Railway Statistics*—Report on the Desirability of Improved Statistics of Government Railways in Australia, February, 1909.
- Shipping*—Shipping and Oversea Migration, annually, 1906 to 1915-16. (Discontinued.)
- Social Insurance*—Report to the Hon. the Minister of Trade and Customs, 1910.
- Social Statistics*—Bulletins, 1907 to 1915 annually; 1916, 1917, and 1918 (one vol.); future issues biennially.
- Superannuation for the Commonwealth Public Service*—Report to the Hon. the Minister of Home Affairs, 1910.
- The Australian Commonwealth: Its Resources and Production*—annually, 1908 to 1915.
- Trade and Customs*—Trade, and Customs and Excise Revenue, annually, 1906 to 1918-19.
- Trade, Shipping, and Oversea Migration—monthly, January, 1907 to December, 1911.\*
- Transport and Communication*—Bulletins, 1906 to 1916 annually; 1917 and 1918 (one vol.); future issues biennially.
- Wealth*—The Private Wealth of Australia and its Growth, as ascertained by various methods, together with a Report of the War Census in 1915.

(ii) *Commonwealth Parliamentary and Departmental Reports and Papers.* The following are the principal official reports and papers containing statistical matter which have been issued since the inauguration of the Commonwealth:—

- Advertising: Various publications issued by Department for External Affairs.
- Arbitration: Returns of Awards, Conferences, Agreements, &c., of Arbitration Court.
- Bank: Balance Sheets of Commonwealth Bank, and Reports of Auditor-General.
- Bounties: Returns relating to payments.
- Defence—Commonwealth Military Journal, quarterly, April, 1911 to June, 1916; Forces Lists—Military, Naval, Cadets; Staff and Gradation Lists, Australian Imperial Force; Journal of the Royal Military College; Manual of War Precautions, various editions; Memorandum by Admiral Sir Reginald Henderson on the Naval Defence of Australia; Report of Admiral Viscount Jellicoe on Naval Mission to Australia; Memorandum on Australian Military Defence and its progress since Federation; Memorandum on the Defence of Australia, by Field-Marshal Lord Kitchener; Military and Naval Orders; Records of Australian Contingents to the War in South Africa, 1899-1902, Relative Strength of Navies in the Pacific; Report to Admiralty on H.M. Australian Fleet (extracts); Report on Navy Administration; Expenditure on Naval Bases; Reports on Camps, Canteens at Camps, Courts of Inquiry, Small Arms Factory, Royal Military College, Naval College, Rifle Clubs, Musketry, Universal Training, Cadets, Physical Training, Army Medical Corps, Organisation and Distribution, Troopships, Naval Bases, Dockyards, Recruiting, Administration, Repatriation, Mobilisation, Finance, &c.; Reports of Royal Commission on Navy and Defence Administration; Report of Surgeon-General Fetherston on Army Medical Services; Report of Director of Naval Forces for 1906; Reports of the Military Board, 1905 and 1906; Report on an Inspection of the Military Forces of the Commonwealth by General Sir Ian Hamilton; Synopsis of Report on the Business Branches of the Department by Mr. R. McC. Anderson; Proposals for the Home Defence of Australia; Tables of War and Peace Organisation and Establishments, Tables of Establishments, Australian Imperial Force.
- Economies Commission—Reports, &c.

\* Discontinued. Information since included in *Monthly Summary of Australian Statistics* to September 1917; thereafter in *Quarterly Summary of Australian Statistics*.