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SEMI-ANNUAL REPORT

of the

DOMINION BUREAU OF STATISTICS

OCTOBER 1, 1954 to MARCH 31, 1955

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**DOMINION BUREAU
OF STATISTICS**

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INTRODUCTION

The most outstanding new development affecting the Dominion Bureau of Statistics during the six months' period October 1, 1954—March 31, 1955 was the decision to take a quinquennial census on a nation-wide basis in 1956. This was announced in the House of Commons by the Right Honourable C.D. Howe, on March 7, 1955. This, the first nation-wide quinquennial census in Canada's history, will include both a census of population and a census of agriculture. By 1956 Canada's population will have increased by an estimated 2 million over the 1951 Census figure of 14 million. This rapid growth rate together with shifts of population between provinces have indicated the need for a quinquennial census of the entire country to replace the partial censuses covering the three Prairie Provinces of Manitoba, Saskatchewan and Alberta, which were carried out in previous mid-decade periods and which were started when the West was in its early stages of development. At the same time, the rapidly-changing conditions in agriculture and the difficulties of providing accurate estimates over a 10-year span have outlined clearly the necessity for an agricultural bench-mark to bridge this long interval.

Briefly, Canada's first venture into a nation-wide quinquennial census will be characterized by questionnaires which are restricted to basic inquiries and the full use of the mark-sensing technique of field enumeration, not only for population but agriculture as well. The Population Document

will contain five enumerative inquiries in addition to the name and address of each person, viz., sex, age, marital status, relationship to head of household, and farm or non-farm residence. The Agriculture inquiries for each farm are contained on two mark-sensed documents and include approximately 75 basic inquiries mainly on crops, acreages, live stock, and farm machinery.

Counts of dwellings and households, including dwellings under construction and vacant dwellings, will be obtained from the Visitation Record which accompanies the Population Document. A new feature of the 1956 Census will be the method of obtaining by mechanical methods, without prior coding, data on household and family composition and ages of children, etc., by a mark-sense enumeration of the question on "relationship to head of household". Mechanical means can then be employed to produce a summary punched card containing the details of each household and family for the tabulation processing to follow.

It is safe to say that, without the many new techniques and improvements introduced in Canada's Census of 1951, it is doubtful whether consideration could have been given to a nation-wide survey in 1956. These advances in census-taking methods and techniques have resulted in a much more extensive planning period than would have been possible under earlier systems.

ADMINISTRATION DIVISION

Personnel

In the period October 1, 1954 to March 31, 1955, there were 99 appointments and 85 separations—a net increase of 14 on the regular staff. The total staff as of March 31, 1955 was 1353 of which 633 were permanents and 720 were temporaries.

During the half-year there were no assignments to the 1951 Census staff in Ottawa and 4 separations. The total 1951 Census staff as at March 31, 1955 was 22.

Recommendations were made for the permanent appointment of 43 members of the staff.

During the period 44 certificates of permanent appointment were received.

Recommendations were made for statutory increases (effective January 1, 1955 and April 1, 1955) for 330 employees.

Increases were withheld from six members of the staff who had not given the service which the Department has the right to expect.

Accounts

The Main Estimates for the fiscal year 1955-56 were prepared. The funds for the salaries allotments were based on the report of the Establishment Review Committee.

These estimates include provision of \$490,295 for expenses in connection with the 1956 Census and \$43,110 for organizing and conducting sample surveys for Motor Transport Statistics on an all Canada basis to be undertaken progressively by provinces, under authority of Treasury Board Minute TB 479869 of December 15, 1954.

A punchcard system to record cost of composition by typing or vari-typing methods and of printing of publications, forms and schedules, was developed in conjunction with the Forms Control Unit of the Office Services Section and the Mechanical Tabulation Division, to be effective April 1, 1955.

All accounts for the fiscal year 1954-55 received during April were submitted for payment prior to April 30 for inclusion in the year's expenditure.

The financial requirement for the operation of the Bureau during the year 1954-55 was 98.0 per cent of the funds provided in the Main Estimates in view of which additional funds were not required through Supplementary Estimates.

Drafting

During the six months ended March 31, 1955 the Drafting Section prepared 742 economic charts, maps, diagrams, and illustrations, as compared with 669 in the previous six months and 665 in the six months ended March 31, 1954.

Addressograph Unit

During the six-months' period 4,536,352 forms were addressed, 324,025 forms were folded, 32,555 plates were embossed, and 30,541 plates were corrected.

Composing Unit

Production for the period under review amounted to 6,671 pages and tables planned and layed out, 7,757 pages and tables vari-typed and 6,871 pages and tables stripped and pasted. Approximately 1,656 hours were spent on miscellaneous vari-typing.

Mail and Messengers

During the period 4,789 bags of mail containing 1,758,196 pieces of mail were deposited with the Post Office. The total value of postage affixed amounted to \$5,014.06.

Office Services

During the six-months under review 120 requisitions were raised on the Department of Public Works for goods and services for which they are responsible and 133 requisitions were reported as completed.

Stenographic Pool

The number of letters transcribed from dictation totalled 2,435. The number of pages typed totalled 12,269 and comprised 2,139 metal and paper plates 3,330 pages for photography, 5,560 letters, copy work and lists and 1,240 statements of various sizes. In addition, 46,033 pieces of typing were handled comprising telegrams, envelopes filled, and reminders made.

Supplies Unit

A total of 334 Printing and Stationery requisitions was submitted to the Department of Public Printing and Stationery for a total estimated value of \$111,791.14.

Issues of postage stamps to Regional Offices amounted to \$7,140.38.

Forms Control

Approximately 1,105 forms, totalling about 2,600 pages, were submitted to the Forms Control Section during this six-month period. Of this number, 242 forms, totalling 800 pages, were re-designed and 209 forms, totalling 440 pages, were revised. The re-designed forms were, to a large extent, those of the Census of Industry which were converted to a style for employment of the peg-board compilation method.

Health Unit

Visits of Bureau employees to the Health Unit maintained in the Bureau by the Department of Health and Welfare numbered 7,103 as compared with 6,630 in the corresponding period of the previous year. Of these, 2,463 were by male and 4,640 by female employees. Respiratory illness accounted for 1,462 visits, digestive disturbances for 950, non-industrial injuries for 200, industrial injuries for 84, contagious diseases for 17, and ill-defined causes for 1,581 visits.

Advisory Board of Publications

Five meetings of the Advisory Board of Publications were held during the period under review.

Approval was given to publishing three new Reference Papers: *Survey of Canadian Trusteed Pension Funds*, *Distribution of Non-Farm Incomes by Size*, and *Undergraduate Scholarships and Bursaries open to Students entering Canadian Universities*; also to four Reference Papers incorporating revisions and bringing material up-to-date. These were: *Post-Graduate Scholarships and Fellowships*, *Survey of Museums and Art Galleries*, *The Labour Force*, November, 1945-January, 1955, showing revisions and extensions of the estimates; *Inventories and Shipments in Manufacturing Industries 1949-51* with indexes converted to the new December 1952 base. Also approved was a new series of reports on *Quarterly Corporation Profits*, and the institution of telegraphic reporting of steel ingots and motor vehicles which will advance by one month the availability of these two key production figures for publication. Improvements in format and in the timeliness of DBS publications received particular attention. Also considered by the Board were problems relating to pricing of publications, advance release of information, and requests for free copies of Bureau publications.

Committee on Timeliness

Efforts to reduce further the time lag between the collection of statistics and their publication continued. *The Daily Bulletin* was used more extensively for making available advance summary information. A Committee on Timeliness was set up to study the situation and to act as a forum for exchanging information on the procedures developed to solve the timeliness problem of which there are three main aspects; (a) delinquent returns, (b) processing work within the Divisions, and (c) operations performed by the Bureau's central services sections.

AGRICULTURE DIVISION

A Dominion-Provincial Conference on Agricultural Statistics was held in December, 1954. This conference accepted in principle the short schedule recommended for use in the 1956 Census of Agriculture. Also recommended was the separation of the June Survey on Crops and Live Stock into two parts and certain changes in the timing of crop surveys. The provincial delegates agreed to further aid the Bureau by checking and bringing up-to-date certain mailing lists.

Several meetings were held of sub-committees of the Interdepartmental Committee on Agricultural Statistics. The main Committee met in February, 1955 to discuss special problems in the provision of more detailed and more frequent information on prices of agricultural commodities and also the ever-present problem of needs for agricultural statistics in general, methods of collection, tabulation, and publication practices.

Some progress was made in the intercensal revision projects but completion of this work is being hampered by the pressure of regular duties. Officers of the Division have spent considerable time in Committee work for the planning of the 1956 Census of Agriculture, and the sample surveys associated with the Census.

Crops Section

Officers of the Section again served as secretaries or members of several of the commodity committees of the annual Dominion-Provincial Conference on Agricultural Production held at Ottawa, December 6-7, 1954. Detailed statistics covering supply and distribution were prepared and comprehensive analyses relative to the situation and outlook for the commodities concerned were presented in the reports made by the committees to the Conference.

An important problem considered by the Dominion-Provincial Conference on Agricultural Statistics was the timing and content of the Section's Crop Reporting Programme. Two major recommendations were made in this connection by the Conference and necessary action to put these recommendations into effect is being taken during the 1955 crop season.

Completion of work on intercensal revisions of acreage, yield and production of field crops was hampered by pressure of current work and by shortage of staff due to illness. However, the revisions have now, with one or two exceptions, been cleared with the provincial officials concerned and should be ready for publication in the very near future.

Arrangements were made during this period with the Canadian Wheat Board to provide a special tabulation of permit holders in each of the three Prairie Provinces, stratified by region and by 'specified' acreage. These data will be used to

provide additional expansion factors for the Section's sample surveys of stocks of grain on farms. A new series of monthly marketings of Western Canadian grains by provinces was prepared at the request of the Economics Advisory and Planning Board of the province of Saskatchewan. The work of selecting new farm correspondents to improve the representativeness of samples was continued.

During this period the study of results of random sample surveys for certain special crops was continued. Mail questionnaire surveys were made of random samples of small fruit, vegetable, and maple producing farms in certain provinces during the summer of 1954. This was the second year in which questionnaires had been sent to the same farms in all provinces covered and comparisons between 1954 and 1953 became possible. The analysis, which was carried out in co-operation with the research unit of the Agriculture Division, followed the same general lines as in the previous year. A start was made with the preparation of preliminary reports on the results of this programme and some changes in procedure for 1955 were decided upon. The maple products survey in Quebec was selected for detailed study, particularly with reference to the use which may be made of check data which are available for this industry. An agreement was arrived at with the Quebec Bureau of Statistics to have their office undertake the compilation of the 1955 maple products survey for Quebec.

During the latter part of 1954 publication of vegetable acreage estimates for that year was completed. In addition, much of the material for the production estimate for these crops was assembled. The results of the new survey conducted to determine vegetable acreages planted under contract proved most helpful in this connection.

Articles were prepared for *Canada 1955* and for the *Canada Year Book, 1955*. Monthly and annual data covering a wide range of agricultural commodities were supplied to the Food and Agriculture Organization. Bi-monthly articles on the Grain and Feed Situation were submitted for publication in the Department of Agriculture's "*Current Review of Agricultural Conditions in Canada*". The usual heavy volume of requests from government departments, embassies, business and trade organizations was also handled during the period.

The following regular publications of the Section were issued during the period under review: *The Wheat Review* (monthly), *Coarse Grains Quarterly*, *Grain Statistics Weekly*, *Grain Milling Statistics* (monthly), *The Sugar Situation* (monthly), and *Fruit and Ornamental Nursery Stock Sales* (annual). Monthly data on crushings of oilseeds were compiled and supplied to the Animal Products Section for publication in *Oils and Fats*. Surveys were completed and statistics compiled for inclusion in the following

press releases: *Report on Progress of Harvesting in the Prairie Provinces*; *November Estimate of Production of Principal Field Crops*; *Revised Estimate of Value of Principal Field Crops*; *Revised Estimate of Value of 1953 Field Crops and Preliminary Estimate of Value of 1954 Field Crops*; *Intended Acreage of Principal Field Crops*; *Second Estimate of Commercial Fruit Production 1954 and Preliminary Estimates of Planted Acreage of Certain Vegetables Grown for Sale in 1954 in Manitoba and Alberta*, and *Third Estimate of Commercial Fruit Production 1954*.

Material showing estimates of the per capita supplies of food moving into consumption in Canada in 1953 was published in November 1954. The following estimates were prepared for publication in the *Quarterly Bulletin of Agricultural Statistics*: *Preliminary Estimate of Production and Value of Forage, Vegetable and Field Root Seeds, 1954*; *Preliminary Estimate of Acreage, Production and Value of Hops, 1954 with Final Estimates for 1953*; and *Acreage of Fibre Flax with Production and Value of Fibre Flax Products, 1954*.

Live Stock Section

Results, for 1954, of the quarterly survey of uninspected slaughter were summarized for submission to provincial and federal government departments for study in comparison with estimates derived from the semi-annual live stock surveys. Mailing lists for this survey were referred back to provincial authorities for review and more complete listings have been completed for Manitoba (through municipal secretaries), Quebec, Nova Scotia, and New Brunswick (through district agriculturists). An extension of the series of reports on Live Stock Surveys was authorized to include reports on the Quarterly Pig Survey for the three-month periods ending in February and September, the two quarterly surveys that do not coincide with the semi-annual live-stock survey.

At the request of the Alberta Dairy Commission office, the monthly collection of fluid milk statistics was extended, in January, 1955, to include all markets in which one or more dairies have pasteurizing equipment. Schedules are returned through the Dairy Commission office in Edmonton which has accepted responsibility for follow-up on outstanding reports. The number of milk distributors required to report was increased from 47 to 89 and returns now cover 70 markets as compared with 29 in 1954.

The following publications of the Section were issued during the period under review: *Live Stock Survey, December 1, 1954*; *Estimates of Production and Consumption of Meats, 1954*; *Live Stock and Animal Product Statistics, 1953*; *Wool Production and Supply, 1954*; *Report on Fur Farms, 1953*; *Stocks of Food Commodities in Cold Storage and in Warehouses, 1954*; *Dairy Factory Production* (monthly), *Fluid Milk Sales* (monthly), *The Dairy Review*

(monthly), *Stocks of Dairy and Poultry Products* (monthly), *Stocks of Meat and Lard* (monthly); *Stocks of Fruit and Vegetables* (monthly); *Production of Eggs* (monthly).

Research and Compilation Section

Distribution, collection and processing of questionnaires for the December Survey of live stock and crops was completed by the Compilation Unit. Over 600,000 questionnaires were distributed by mail to farmers throughout Canada (excluding Newfoundland). A return of 122,000 questionnaires was realized, compared to 91,000 a year ago. This 34 per cent increase in returns resulted principally from the introduction of a postcard follow-up sent to farmers in all provinces except Quebec and Ontario. The Unit processed 71,800 of these current returns along with 37,300 returns from previous surveys which were paired with the current returns. Processing of 13,300 questionnaires of the Maritime provinces was done in the Division's Maritime office at Truro. The Unit also tabulated over 20,000 pegboard-type questionnaires for other regular farm surveys of the Agriculture Division.

The Farm Finance Unit prepared and published scheduled memoranda on farm income, farm wage rates, the index of farm prices and the annual value per acre of farm land. Forecasts of the indexes of farm prices and the physical volume of agricultural production and of farm cash and net income were provided for use of federal government departments. Regular sample surveys of monthly farm prices, periodic wage rates and values per head of live stock were completed. Re-computation of aggregate, gross and net value of agricultural production and discussion of problems arising therein was continued. A report on sources and methods for farm wage rate statistics was presented and discussed at the Federal-Provincial Conference on Agricultural Statistics, in December. Arrangements were subsequently completed and questionnaires printed for obtaining supplementary farm wage rate data through the offices of the National Employment Service of the Department of Labour.

Study of the error introduced by office sub-sampling of June Survey crop and live stock questionnaires for Quebec, 1954, was completed by the Research Unit. An interim report on the experimental survey respecting the June Survey of crops and live stock, Alberta, 1954 was presented to the Dominion-Provincial Conference on Agricultural Statistics. Sufficient evidence was obtained from the experiment to justify division of the regular June Survey into two independent surveys, one on Crops and Poultry and one on Live Stock, provided one mail follow-up be employed. The Conference recommended a separation of this nature be instituted in the Prairie Provinces beginning June, 1955. Review of previous studies of the 1953 Vegetable Acreage Survey, Quebec, was undertaken.

CENSUS DIVISION

In the period under review the work of organization and planning the nation-wide quinquennial census got underway. A central Executive Committee was appointed to act as a clearing house for all census planning. It is composed of the Dominion Statistician, the Assistant Dominion Statistician for Administration, the Senior Research Assistant, the Administrative Officer, the Director and five senior officers of the Census Division, three Directors of other Divisions, namely Agriculture, Health and Welfare, and Special Surveys, and the Special Research Assistant. Sub-committees were set up to study relevant details and make recommendations to the Census Executive Committee on the various aspects of census procedure (i.e., design of enumeration areas, concepts, instructions, training, tabulation and publication programming, staff requirements, rates of pay, etc.). By the end of March the Census Executive Committee had approved five population enumerative inquiries in addition to the name and address of each person, and seventy-five basic agricultural inquiries for each occupied farm and appropriate mark-sense documents had been designed in each case. Also approved was the use of a specially designed pencil rather than pen for marking purposes. Preliminary plans had been made for field work and for the preparation of instruction and training manuals.

Agriculture Section

The preparation of textual and tabular material for the 1951 Census Summary Volume (X) was continued.

A number of special tabulations were made of 1951 Census data in connection with a "type of farming" study, and to assist in planning an area sample of agriculture.

Work was continued on the preparation for the 1956 Census of Agriculture. This included discussions with the Provincial Statisticians re the subject matter for the questionnaire, the preparation of instructions to the enumerator, and some research on a method of classifying farms.

Population Section

The chapter on "School Attendance and Years of Schooling" was completed, and textual material for four other chapters drafted for the 1951 Census Summary Volume (X). The last two chapters and the appendices of the Administrative Report (Volume IX) were prepared for printing.

The examination of a number of minor categories of origin and religion for classifying the population was continued. These categories were not tabulated separately during the regular runs of the 1951 Census population cards.

The preparation of the questionnaire for the 1956 Census of Population was commenced. Draft

copies of a number of other enumeration forms, including the schedule for enumerating the population in northern areas, were prepared.

In the Household and Family Unit, one chapter and a number of tables were prepared for the 1951 Census Summary Volume (X) and the first draft of an additional chapter was written.

A number of research projects were carried out in order to appraise some of the methods used in classifying and coding entries on the 1951 Census documents.

Textual material on the subject of families, households and dwellings was completed for the *Canada Handbook, 1955*, and considerable tabular material prepared for the Atlas of Canada project. A draft outline of the *Enumeration Manual* for the 1956 Census was prepared.

A publication entitled *Occupations and Industries*, showing comparative statistics for the censuses, 1901 to 1951, was prepared in the Occupations and Employment Unit. Textual and tabular material for the chapters on Occupations and Industries, Earnings and Employment, was prepared for the 1951 Census Summary Volume (X). Assistance was given in the preparation of Standard Industrial Classification codes for Federal and Provincial Government Services and Enterprises, as well as for a classification of railway employees.

Mechanical Tabulation Section

Punch cards were produced, edited, and tabulated for the Monthly Labour Force Surveys, and a number of special tabulations were conducted in order to evaluate and improve survey methods. The annual Household Facilities Survey documents were processed, punched cards edited and tabulated.

A considerable number of special tabulations were made of 1951 Census data on distribution, population, labour force, and agriculture. These tabulations supplement those made during the regular census tabulation programme, and in a number of cases are being examined with a view to improving tabulation procedures for the forthcoming census. A number of special tests were conducted on the document punch in connection with the marking of the mark-sense documents. Preparatory work for the 1956 Census was commenced. This included plans and specifications for machine requirements, for floor plans, flow charts, and card designs.

Social Analysis Section

Six chapters of the 1951 Census Summary Volume (X) were edited and sent for translation. Six additional chapters were vari-typed, as were a number of pages of tabular material for the second part of the volume. Five additional chapters were written during the period.

Using the 1941 Census definitions of rural and urban, a set of tables were prepared to show the distributions of the 1951 population by age groups cross-classified by marital status, origin, birthplace, religion, schooling, official language and mother tongue.

The annual report, *Population Estimates by Marital Status, Age and Sex for Canada and the Provinces, 1953*, was prepared and published. The 1954 annual report *Estimates of Households and Families in Canada* was prepared and published. The coding of the naturalization records of the Department of Citizenship and Immigration for the second half of 1954 was completed, and quarterly tables prepared.

General

Approximately 11,200 applications for proof of age were received, and some 15,400 letters furnishing proof of age for purposes of securing old age pensions, birth certificates, etc., were mailed. An additional 1,000 letters were written providing population and agriculture information in answer to inquiries. Approximately 1,500 pages of material were proof-read.

Work on the plotting and describing of enumeration areas, in preparation for the 1956 Census, was continued.

EDUCATION DIVISION

Elementary and Secondary Education

Teachers' reports for *Teachers' Salaries, Qualifications and Experience, 1953-54*, were edited, coded, and sent to the Mechanical Tabulation Division, and work on reports for the 1954-55 edition was in progress at the end of the period. Nearly three-quarters of the backlog of tabulations of these reports for the years 1950-51 and 1951-52 were completed.

June reports for 1953-54 on the operation, enrolment and attendance of public schools of the eight provinces reporting were checked and the tabulations for four provinces completed.

The usual annual tabulations were prepared for the Departments of Education of Newfoundland, Prince Edward Island, and Nova Scotia-tabulations which meet the needs of the Bureau as well as of the provinces.

Checking and editing of reports on numbers of pupils withdrawing from school during or at the end of the school year 1953-54 was begun.

Work continued on the *Survey of Elementary and Secondary Education, 1948-50*, which was nearing completion at the close of the period, and some tables for the 1950-52 Survey were prepared.

Compilation of the non-financial statistics on private academic schools and business colleges for 1953-54 was completed during the period under review. Financial statistics of these schools were being compiled at the end of the period.

Work continued during the half-year on the statistics and other information collected in the survey (for Unesco) of schools and classes for exceptional children.

It became possible early in this period to assign a member of the staff to work on a survey of teacher-training institutions, for which 1952-53 data had been gathered. By the end of the period the work was nearing completion.

By arrangement with the assistant superintendent of schools for Yukon Territory, use of the standard forms for collecting statistics from the public schools of eight provinces will be extended to the Yukon, beginning next fall.

Arrangements were also made with the Department of National Defence for the collection of data from the Dependents' Schools in Europe and the collation of data on all D.N.D. schools in Europe and in Canada, to the mutual advantage of the Bureau and the Department of National Defence.

In collaboration with the Judicial Section of the Health and Welfare Division, a form was designed which should provide more complete information on education from reform schools beginning with the year just closed.

The new officer in charge of education statistics in the Ontario Department of Education spent two days at the Bureau in consultation on problems of mutual interest.

The more important special assignments included the preparation of statistics on education costs in certain cities across Canada, estimates of the numbers of new classrooms constructed in the previous few years and the numbers required in the next five years, data on secondary education in Ontario in comparison with that in Quebec for the Tremblay Commission of Quebec, historical data on enrolment and graduates at the various levels of education and school age population for quinquennial

years since 1911, forecasts of enrolment for the Royal Commission on Public School Finance in Nova Scotia and for the provincial government of Manitoba, and a revision of the school register for Nova Scotia based on first principles. This last was of considerable value to this Division since the school register contains the records on operation, enrolment, and attendance basic to the reports on these items.

Higher Education

After further meetings with representatives of the Executive and Professional Division of the Unemployment Insurance Commission and the Department of Finance, it was decided that the Education Division should collect two sets of figures on fall university enrolment in the current year. The first was for undergraduate enrolment as at November 1 by faculty and graduating year (formerly collected by the Unemployment Insurance Commission) and was needed for release early in December to be of value to prospective employers, while the second set, full-time undergraduate and post-graduate enrolment by faculty at December 1, was used by the Department of Finance for University Grant purposes and by DBS for the memorandum *University and College Enrolment Reported in Current Year* and required more accurate figures than would be available at November 1. In addition, the annual DBS report form for universities and colleges for the 1953-54 academic year was distributed with the two other forms late in October.

The November 1 figures were released, for distribution by the Unemployment Insurance Commission, as a special compilation, while the December 1 figures were used for the annual DBS memorandum *University and College Enrolment Reported in Current Year 1954-55*.

Two reference papers on university scholarships were released during the period. Reference Paper 21, *Post-Graduate Scholarships and Fellowships Open to Canadian Students*, was revised and expanded. A new reference paper (No. 55), *Undergraduate Scholarships and Bursaries Open to Students Entering Canadian Universities*, was published. It had been begun by the National Federation of Canadian University Students, with further work being done by the Economics and Research Branch of the Department of Labour before it was turned over to DBS for final editing and printing.

The French edition of the 1950-52 *Survey of Higher Education* was also released during the period.

Forms were designed and printed for a survey of day and evening students' costs and sources of income at Carleton College, Ottawa, as a pilot study in preparation for a possible nation-wide survey to follow. The Carleton College returns were being processed at the close of the period.

There was some interdivisional planning with regard to revising and consolidating the present forms sent by several DBS divisions for university financial statistics, in preparation for the annual meeting of the Canadian Association of University Business Officers, as well as work in preparation for the annual meeting of the National Conference of Canadian Universities and for a proposed national conference on higher education statistics to be held in December, 1955.

Material was on hand for a revision of Reference Paper 48, *List of Institutions of Higher Education in Canada*, to be applicable to the 1955-56 session.

Adult Education and other Cultural Activities

The 1950-52 *Survey of Libraries*, formerly printed in separate English and French editions, was released in a bilingual edition during the period and all forms for the 1952-54 Survey (1953 data) were in and were being tabulated. The listing of federal, provincial, and other professional and technical libraries was thoroughly revised for this new edition. Work was started on a survey of regional libraries, and public libraries in cities of over 10,000 population, for the library year 1954, with the collection and release of data being planned so that it would be available prior to the annual meeting of the Canadian Library Association in June 1955. Association officials were consulted in redesigning the statistical forms used.

The manuscript of Reference Paper 57, *Museums and Art Galleries, 1951-52*, was completed and was being vari-typed at the close of the period.

General

A comprehensive report for Unesco on public expenditure on education was nearing completion at the end of the period. For the Unesco National Commission of the Philippines a statement of the aims, curricula and methods of education in Canada was prepared. Latest available official reports on education and training, issued by federal departments and agencies, were listed and annotated for Unesco's *Education Abstracts*, December, 1955 number. Material was supplied for *Canada 1955*.

A plan for revising and extending the mailing lists used for the distribution of Education Division publications was worked out and, at the close of the period, the new lists were being assembled.

A new all-division filing system was devised and put into operation.

In relation to the problem of improving the timeliness of statistical releases, a work flow record was designed and put into use and tests (still incomplete) of the feasibility of a quarterly bulletin as an aid to timely release were conducted.

GENERAL ASSIGNMENTS DIVISION

Forecast Surveys Section

During October the 1953 actual capital and repair expenditures survey was completed and prepared for publication. Work on the 1954-55 forecast survey commenced in November and the data received were compiled and combined with the material from the 1953 actual survey of expenditures in the White Paper "Private and Public Investment in Canada, Outlook, 1955", which was tabled in the House of Commons on February 25, 1955. The regional estimates of capital investment for 1953, 1954, and 1955 were prepared during March for release early in April.

Throughout the period a number of special tabulations of capital expenditures were made for various government departments, trade associations, and private firms. During December a survey of production intentions of cement manufacturers was completed for use by the Economics Branch, Department of Trade and Commerce.

The second annual report of the new series *Construction in Canada, 1952-54* was published early in October. This report provides statistics on various aspects of construction activity including estimates of the value, by type of structure, of over 60 categories of construction. Also included are statistics on average numbers employed, salaries and wages paid, and cost of materials used. The 1953 survey of the construction industry was completed in November and the census of construction surveys of federal, provincial, and municipal governments were finalized by the end of February. Considerable time was devoted to establishing a time schedule and planning the forthcoming report covering 1953-55. Compilations of the type of structure data collected in the 1953 surveys were started and about 70 per cent completed at the end of the period.

Tabulations, Proposed Construction as Indicated by Building Permits Issued in Canada, were prepared each month for distribution to interested government departments and agencies. It is noteworthy that, during the past year, an increased number of requests for special tabulations of this data have been received.

Corporation Profits Section

In March, 1955, the first publication *Quarterly Corporation Profits, 1950-54* was released. This showed profits and such related data as net earnings, depreciation, and income tax liabilities on the quarterly base for the years 1950 to 1953 inclusive and for the first three quarters of 1954. In addition to the tables, explanatory notes were included which showed how the sample was selected, the method of calculating the blow-up factors and the procedure used in linking the sample data to the base year information. Also included was a section outlining

the industrial classification used in the survey, the definitions of the items as shown in the tables, the interpretation of quarterly movements and the factors affecting the accuracy of the results.

Prior to the release of the first publication an analysis of the quarterly data from 1950 up to and including the third quarter of 1954 was completed and reconciled with the annual figures contained in *Taxation Statistics*, of the Department of National Revenue (Taxation Division). Income tax liabilities for all quarters were estimated and incorporated into the tables.

By the end of the period the survey of the fourth quarter of 1954 was completed and reconciled with the base-year information in preparation for the publication of the first quarterly report.

Efforts to improve the coverage of the sample continued throughout the period with emphasis being placed on the larger non-reporting corporations. These corporations which had been submitting reports intermittently were again contacted and the coverage improved as a result.

Organization and Planning Section

During the period an annual survey of mortgages and agreements of sale held in estates, trusts and agencies was carried out and compilations made for Central Mortgage and Housing Corporation. This survey was previously the responsibility of the Research and Development Division.

The survey of new firms continued throughout the period with 4,413 prospective new firms contacted, of which 3,927 submitted reports. The balance are being followed up, with 176 in the hands of the regional offices at March 31. Copies of the reports received were supplied to the appropriate Bureau Divisions or to the Department of Trade and Commerce or the Department of Labour as required.

In addition, special listings of expansion of established businesses were prepared, totalling 264 projects for the Forecast Surveys Section and 180 for the Department of Labour.

Some work was done on preparing material on new firms for the Dominion-Provincial Conference on Economic Statistics to be held in mid-April.

In line with the function of the Section, assistance was given to the Economics Branch, Department of Trade and Commerce, in the preparation of two special studies, one covering Canadian exports to the United Kingdom 1935-39 and 1946-54 and the other preparing statistical information on wheat production compared with populations and wheat exports in approximately 80 countries or regions.

This work was in addition to regular material covering specified current economic indicators and labour demand and supply.

During the period a substantial proportion of the Section's efforts were devoted to assisting the Corporation Profits Section prepare the first two publications of the new series of financial statistics and to improve the coverage of the existing sample.

HEALTH AND WELFARE DIVISION

Public Health

The work on the *Canadian Sickness Survey* continued and a report was published, in collaboration with the Department of National Health and Welfare, on *Permanent Physical Disabilities (National Estimates)*. A report on prevalence and incidence is in print.

The Weekly Summaries of Cases of Notifiable Diseases in Canada were published. Added to these reports were epidemic reports on outbreaks of certain diseases in various localities in the provinces, as well as more extensive notes on the situation in the United States based on the weekly reports received. Reporting was established for the first time for the Yukon Territory. A study to evaluate and improve existing reporting procedures has been carried out. The *Annual Report of Notifiable Diseases, 1954*, is in print.

The *Annual Report on Illness in the Civil Service* for the year ending March 31, 1954, was published. Special tabulations have been under way to determine the trend of influenza cases reported.

The Section continued the medical coding of sick reports for the Unemployment Insurance Commission.

Monthly Branch Summaries and National Summaries have been completed on Visiting Nursing Services (Victorian Order of Nurses for Canada). Special tabulations were prepared for a study of health problems of the aged in Ottawa, and for special investigations in certain areas.

Tabulations have been prepared in the study of absenteeism in the Dominion Bureau of Statistics.

A check of the mailing lists for all reports has led to a considerable reduction in the circulation.

Technical consultation has been provided to various agencies in respect to specific projects and requests for information have been answered.

Vital Statistics

The regular monthly report of *Vital Statistics* was released for September to February, inclusive. Some changes in context and format were introduced, beginning with the January 1955 issue, in the direction of providing additional background data so as to measure more accurately the significance of current trends in births, marriages, and deaths.

Among the ad hoc assignments carried out was an investigation of railway freight loadings as an alternative method of distributing capital expenditures on railway rolling stock on a provincial basis, and the preparation of charts showing trends of residential construction contracts awarded, residential building permits issued and housing starts, by months from 1950 to date.

All non-priority and special tabulations for 1953 were completed before the end of 1954 and supplied to the provincial vital statistics offices on schedule. Completion of these annual tabulations within this period represents a very significant acceleration over the tabulation and delivery schedule of previous years.

As a result of this acceleration the 1953 Vital Statistics (Annual) was released within the fiscal year and several months earlier than was previously possible.

The Vital Statistics Council for Canada, at a meeting November 23-25, 1954, critically reviewed the annual uniform tabulation programme adopted at its 1953 meeting and which had been put into effect for 1952 and 1953 data. As a result the basic tabulation programme remained unchanged but several methods of further acceleration and more strictly scheduling the tabulation and release of annual figures were adopted. The Section took action on several other matters referred to it by the Council at this meeting.

Tabulation of 1954 deaths was commenced early in 1955 which will permit the release of data to the provinces at a still earlier date than formerly.

Collaboration with the provincial vital statistics offices was continued in connection with the revision of geographical codes and a programme of provincial pre-coding introduced in order to short-cut coding procedures within the Bureau. Concurrently, coding schedules and mechanical punch cards were revised in accordance with the new code specifications and brought more closely in line with the new uniform tabulation programme and put into effect as of January 1, 1955.

In accordance with the request of the Vital Statistics Council, the Section continued its investigation into various current photographic reproduction methods applicable to vital records and tabled its findings at the November meeting of the Council.

The current monthly indexes of births, marriages, and deaths were routinely supplied on schedule to the Family Allowances regional offices and appropriate provincial offices. In collaboration with the Mechanical Tabulation Division, consolidation and retabulation of the birth indexes for Ontario and Quebec from 1926 to date was initiated during the period.

Institutions

The past six months have seen a continued emphasis on the factors of currency and quality of the material published by the Institutions Section.

Volume I of *Hospital Statistics, 1953* was released, and manuscript for Volume II of this report was forwarded for vari-typing. The hospital reporting schedules were revised, printed, and distributed to provincial authorities. The Handbook of Definitions and Instructions which accompanies these reporting schedules also underwent minor revisions, and was printed and distributed to provincial offices. The *List of Hospitals, 1954*, was released during this period.

In the field of mental health statistics, the greatly increased demand for the *Mental Statistics Handbook* necessitated the printing of a second edition which contained minor revisions. Continuing efforts to improve the collection of mental health statistics were successful in that all morbidity reporting cards were received within ten weeks after the close of 1954. These data have been coded and are being punched. The name of the publication was changed from *Mental Institutions* to *Mental Health Statistics*.

A special study of admission rates to mental institutions according to the census tracts of the Vancouver Metropolitan Area was completed for the British Columbia Mental Health Service.

Continuing efforts were made to improve the currency of tuberculosis statistics. *Tuberculosis Statistics, 1953*, was released two months earlier than the 1952 publication. Great advances have been made in improving reporting in this field. All morbidity cards were received and coded within 8 weeks after the close of 1954, and were forwarded to the punching unit. This is a six months' advance for this operation over the previous year. The name of the publication was changed from *Tuberculosis Institutions* to *Tuberculosis Statistics*. A *Tuberculosis Statistics Handbook* containing definitions and instructions to be followed by reporting tuberculosis authorities, and additional material designed to enhance its usefulness for purposes of reference, teaching and general information, was printed and distributed.

Judicial

The period October 1, 1954 to March 31, 1955 was one of investigation and methodological improvement. The problems dealt with during this time were coverage of the statistical system, uniformity and accuracy of data processing and timeliness of reporting.

In order to assess the coverage which is being obtained by the Judicial Section, provincial departments were asked to correct and amend, where necessary, a list of all courts in their province which our records showed as having reported data to the Judicial Section. The revised lists have become the basis for our present operations. In future, this check by the provincial departments will be an annual feature. In order to facilitate communication with courts and other institutions, addressograph plates were prepared from our mailing lists.

To assess the quality of data reported by the courts and to plan for the improvement of this data, a form was designed for use in reviewing each court report. This form provides the information required, in summary form, for writing to each court concerning its report. Control cards were prepared for recording the receipt of reports and a brief evaluation of their quality. From the results obtained so far, it has been possible to begin preparing manuals of instructions for uniform reporting and processing of data.

A mechanical edit of the punch cards has been introduced as well as a national alphabetical listing of persons charged with indictable crimes. A similar list is also prepared for juvenile delinquents. The purpose of the list is to obtain the nearest possible approximation to an accurate count of different persons charged with offences in Canada. It has also helped to eliminate duplication in court reporting.

To deal with the problem of delinquent returns, court reporting was placed on a uniform quarterly basis.

Three checks on indictable crimes data have been introduced in collaboration with the Department of Justice, the Canadian Penitentiaries Commission, and the Narcotic Control Division of the Department of Health and Welfare. These checks are on the offence of murder, on convictions under the Opium and Narcotic Drug Act, and on persons sentenced to penitentiary.

INDUSTRY AND MERCHANDISING DIVISION

About 125 annual reports were published during the six-months' period under review. In addition, the usual 60 monthly reports, 6 quarterlies, and 1 weekly were issued regularly.

Considerable attention was given to the scheduling of compilation and publication dates of the monthly and annual reports, and some improvement

in timeliness was achieved. Special attention was given to extending the use of peg-board compilations in the Census of Industry compilations.

New samples, based on the 1951 Census of Distribution, for the monthly surveys on retail trade, wholesale trade, and consumer credit were put into effect at the beginning of 1955.

Work on the 1951 Census of Distribution was completed and the final volumes were published.

Coverage of the monthly survey on Inventories and Shipments in Manufacturing Industries was improved, and the indexes were revised to a December 1952 base. Estimates on the value of unfilled orders held by manufacturers were prepared and published in the report for December 1954. A series on values and indexes of new orders at the manufacturing level was published for the first time in the December 1954 report.

There was a considerable increase in the time spent on answering inquiries and in meeting visitors to the Bureau.

Animal Products

Six industry reports for 1953 were published during the period under review, and the 4 monthly reports were released on schedule.

The annual schedule for the slaughtering and meat packing industry was revised with the assistance of the Industrial and Development Council of Canadian Meat Packers.

Special studies were made on the distribution of milk, and on the standard commodity classification.

Fisheries

The *Monthly Review of Canadian Fisheries Statistics* and the monthly report on *Cold Storage Holdings of Fish* were issued regularly.

The annual report on *Fisheries Statistics of Canada* is now released in 7 parts. Four parts of the 1953 report were released during the period under review; these included separates for Nova Scotia, New Brunswick, Quebec, and a combined statement for Ontario, the Prairie Provinces, and the Northwest Territories. The 1953 report on the *Fish Processing Industry* was released in December.

Studies on the use of sales slips for the assembly of catch statistics continued throughout the period.

Foods and Beverages

Twelve Census of Industry reports for 1953 were published in the period under review, as well as the *Canned Foods Summary 1953*. The usual 3 quarterly reports and 2 monthly reports were prepared regularly.

The content of the monthly report on *Shipments of Prepared Stock and Poultry Feeds* was revised with the assistance of the National Council of Canadian Feed Manufacturers Association. Changes of content were made also in the annual industry reports on *The Flour Milling Industry* and *The Feeds Industry*.

Forestry

The 1953 annual compilation for the *Lumber Industry* was completed on March 8, a month earlier than in the previous year. However, mainly because of staff changes, the work on other industries fell behind, and all totals for 1953 will not be ready until about mid-June.

The 1952 report on *Operations in the Woods* was released in December 1954. The 1953 reports on the *Pulp and Paper Industry* and the *Veneers and Plywoods Industry* were published in the period under review, as well as special compilations on the lumber industry and on several of the sub-groups of the miscellaneous wood and paper-using industries.

The 7 monthly reports were published on schedule.

Mailing of 1954 schedules was completed on February 8, and editing of incoming reports is proceeding satisfactorily.

Metal and Chemical Products

A total of 44 annual industry reports for 1953 and 4 general reviews for 1952 were sent on the Composing Unit during this period. Most of these reports were published or in an advanced stage of processing by the end of the period.

In addition, the 1953 reports on the *Fertilizer Trade* and *Consumption of Petroleum Fuels* were released. The usual 30 monthly reports were issued on schedule. A general improvement in the timeliness of the latter was noted as a result of recommendations suggested by the Committee on Timeliness set up to study this subject.

A new monthly survey on Sump Pumps and Domestic and Farm Water Systems was started at the request of the Canadian Association of Domestic and Farm Water System Manufacturers. The first release covering the month of December 1954 was made on March 29, 1955.

Schedules used in connection with the monthly Survey on Refined Petroleum Products and the Consumption of Petroleum Fuels were revised with a view to streamlining the collection and compilation of statistics relating to same.

Monthly telegraph surveys covering Production of Motor Vehicles and Production of Steel Ingots and Pig Iron were started in November 1954. This procedure permits the release of preliminary reports within a week after the close of the reporting period.

The mailing of questionnaires for all 1954 annual surveys and follow-up procedures have been kept to schedule during the first three months of the calendar year 1955.

Mineral Statistics

A preliminary estimate of Mineral Production during the year 1954 was released on January 4, 1955, and a more detailed preliminary report was forwarded to the Composing Unit. Manuscripts for 18 annual industry reports were completed and sent to the Composing Unit. The 12 monthly reports were issued regularly.

Compilations for the 1953 census of the mineral industries were completed. Schedules for 1954 were mailed, and a start was made on the editing of incoming reports.

Monthly ledgers on coal statistics were kept up-to-date for the Dominion Coal Board. Close liaison in regard to mineral statistics was maintained with the Mines Branch, Department of Mines and Technical Surveys, and with the mines departments of the provinces.

Textiles and Miscellaneous Products

The outstanding feature of the period was the success which attended the Section's effort to effect early finalization of its part of the 1953 Census of Industry. Individual industry totals were compiled earlier than for the 1952 Census, and final figures for the five industrial groups for which the section is responsible were made available to the Central Assembly Unit more than two months ahead of the previous year.

This advance in the preparation of the 1953 data aided the section in its efforts to better the situation with regard to the publication of its annual reports. All the unfinished 1952 reports were completed and such progress was made with 1953 reports that it should be possible to clear all these reports within the next couple of months.

The monthly reports on *Consumption, Production and Inventories of Rubber*, and on *Production of Records*, and the quarterly report on *Production of Garments* were prepared regularly.

The 1954 Census of Industry schedules were mailed to respondents in January and follow-up procedures carried out on schedule.

In October and November, a considerable amount of time was spent in assisting the Tariff Board with the verification of the statistical information presented by firms, associations, and individuals during its inquiry into the condition of the wool textile industry. In addition, the Board requested the Section to prepare and submit much new data.

The statistics supplied to the *Canadian Statistical Review* were both improved and expanded. Arrangements were made with the Cotton Institute to supply monthly information on shipments of cotton fabrics by Canadian manufacturers. These actual data will replace the present series which is calculated by application of a conversion factor (obtained

from the latest annual survey) to cotton bales opened. Arrangements have also been made with the Rubber Association to supply monthly production figures for rubber footwear. This information will be passed to the Business Statistics Section for publication in the CSR and may eventually be incorporated into the monthly bulletin on leather footwear production published by the Animal Products Section.

Central Assembly

The *Preliminary Statement of Manufactures, 1953*, was published early in October 1954. It contained, for the first time, a provincial breakdown of the principal statistics for major industrial groups.

A gain of about three weeks was achieved, compared with the previous year, in the publication of final summary reports for all manufacturing industries in 1952. A rearrangement of the material permitted the report to be broken down into seven parts, each dealing with a province or group of provinces.

A thorough check of the geographical codes of individual establishments was made on the basis of the 1951 census records. A change was made in the method of punching cards for mechanical tabulation. This is now being done weekly instead of holding all cards for mass punching when the last of the delinquent reports is received. The new system permits preliminary or special tabulations at any time, and will also speed up the final summary and geographic tabulations.

The summary tabulations for 1953 are about a month ahead of last year.

Merchandising and Services

Twelve annual reports were published during the past half-year, as well as the 6 monthly reports, the quarterly report on *Consumer Credit*, and the weekly release on *Department Store Sales*.

Although there are still some delinquents to the new retail trade sample, estimates of retail trade, beginning with January 1955, are based on the new sample and the old sample has been discontinued. Concurrent with the new sample, slight changes were made in the Retail Trade Report by making separate estimates of some major components of the former "all other" category. Estimates are now made for the farm group, liquor stores, and other food stores and used-car dealers. Except for other foods, these estimates are added together again for publication under a "miscellaneous" category but are available as separate estimates for national income purposes.

The new monthly survey on independent store inventories is behind schedule due to the various problems of installing the new sample. A concerted effort is being made to bring this survey up-to-date.

All annual questionnaires for 1954 were mailed by January 31 and will be ready for regional office follow-up by April 30. In most of the surveys, the response is slightly better than a year ago.

A complete revision has been made to retail consumer credit estimates, basing the series on the new 1951 Census bench-mark. The new sample of retail consumer credit will be put into effect beginning with the first quarter 1955, forms for which will be mailed early in April.

The new sample of wholesale trade was begun in December, and the delinquents from the initial questionnaire will be sent to regional offices by April 15 for collection. Within a month or so the monthly estimates of wholesale sales and inventories will be compiled from the results of this new sample. It has already been used to provide preliminary estimates of year-end inventories 1951-1954 for national income purposes.

The special survey on advertising expenditure in Canada 1954 has taken more time to plan than originally anticipated, and the questionnaire to be used in obtaining internal expenditure as well as total advertising cost of major advertisers has just been sent to print. Some information on media revenue from advertising has already been received.

An annual census of department stores is being made for 1954. Formerly the trends of the major department stores were projected on the census base for a period of ten years. An annual check of all department stores is not difficult, since the total list comprises less than fifty firms and will provide more accurate total dollar figures which should then agree with the next census.

Considerable revision has been made to the monthly chain store sales and inventory survey. All trades are included, whereas, formerly, information on only six trades was published. The former series of inventories at selling price has been converted to cost price so that results can be added directly to the independent store survey on inventories and provide National Income with a total retail inventory series at cost price.

The 1954 annual report on *New Motor Vehicle Sales and Motor Vehicle Financing* has been completed and is ready for printing. Steps are being taken to hasten the publication date of the annual *Farm Implement Report*.

Inventories

The monthly report *Inventories, Shipments and Orders in Manufacturing Industries* was published regularly. During the year, arrangements were made to advance the monthly release date of all industry totals by preparation of a special one-page summary for publication in the *Daily Bulletin*. Arrangements were also made with the Mechanical Tabulation Division to process part of the monthly compilations, thus making it possible for the Section itself to give more time to revisions and improvements in the series.

Three major projects were carried out in connection with this publication. The first was a revision of all 1949, 1950, and 1951 indexes to put them on the December 1952 base which was adopted in 1954 for current material. These revised data were published as Reference Paper, No. 53, making possible historical comparisons for a six-year period.

The second was an estimate of value of total unfilled orders in all industries as at December 31, 1953. The estimate was based on a survey covering all firms over \$50,000. This has provided bench-mark values for the monthly index series on unfilled orders, thus allowing a series of monthly value estimates for major industry groups each month. These value data on unfilled orders were first published in the December 1954 report, with historical data back to January 1952.

The third was the development of a new series in connection with the orders data, covering values and indexes of all new orders received each month, in total and for major industry groups, with some data on individual industries. These data were also first published in the December 1954 report, again with historical data back to January 1952.

In addition to the above, coverage of the Monthly Inventory Survey was substantially improved by the inclusion of large-firm samples in four industries not previously covered, and by nine large firms (in industries already covered) which were not contributing previously and which were sufficiently important in their industries to invalidate the estimates without their participation. The latter inclusions were all the results of personal visits.

The Section's annual survey of *Manufacturers' Year-End Inventories* for 1953, covering all firms with a gross value of shipments of over \$50,000, was finalized in November. Arrangements were made to tie in this survey with the annual Census of Industry, beginning with 1954 data, and as a result some 12,000 plants were dropped from the Section's mailing list before the annual January mailing. Coverage for the preliminary year-end survey was increased to 6,000 plants (including those reporting in the Monthly Inventory Survey). Reports were received from approximately 5,000 of these by March 15, and a preliminary estimate of total Manufacturers' Investment in Inventory at at December 31, 1954, was made for national income use by March 31.

In connection with the year-end survey of inventories, a test survey of *Physical Volume of Inventory Holdings* was made for the National Income Section. The test consisted of a special quantity and value questionnaire to all firms reporting to the Preliminary Year-End Survey in five textile industries. Response up to the end of March indicated that most firms surveyed had submitted questionnaires in considerable detail.

In connection with the Monthly Inventory Survey, a change in the questionnaire was adopted in January which, it is hoped, will provide (a) monthly

detail on logging inventories held by all firms in the wood-using and pulp and paper industries, and (b) a separation of sales and inventories at manufacturers' sales branches from their actual manufacturing sales and inventories.

Census of Distribution

Census Volume VII (*Retail Trade*) and Census Volume VIII (*Wholesale Trade, and Services*) were released during the year, the former in October 1954,

and the latter in November. A handbook on *Marketing Data, 1951* was published in October. The analytical text on the retail, wholesale and services censuses was prepared for Census Volume X (Summary).

Many special tabulations on the Census of Distribution were prepared to meet requests from within the Bureau, from federal and provincial departments and from business concerns. An exhaustive review of census records and methods was commenced.

INFORMATION SERVICES DIVISION

Canada Year Book Section

During the six months ended March 31, 1955, all chapters but one of the *Canada Year Book 1955* were sent to the Printer and almost all were returned in galley proof. There were 15 chapters made up into page proof and 26 signatures were sent for press. The work on the *Canada Handbook* was well advanced with a good proportion of the material in page proof at the end of the period.

Compilations and layouts were prepared and the final checking completed for 25 of the maps and charts to be used in the *Canada Year Book 1955*.

Material was collected and co-ordinated for *Estatistica*, published by the Inter American Statistical Institute, and the *Revue*, published by the International Institute of Statistics.

Work was continued on a number of compilations to be used in the Atlas of Canada Project. Mapping data and layouts for 23 maps were completed and sent to the Atlas Committee.

Press and Publicity Section

The work of the Section showed general expansion during the half-year. The number of publications released and the volume of correspondence handled were substantially larger than in the corresponding 1953-54 period and visitors seeking information and telephone calls were more numerous. Promotional work was carried out on several special phases of the Bureau's work, involving in some instances, close co-operation between the Section's three units, as well as with the Division concerned.

Bulletins and Publicity. - Issues of reports, memoranda and reference papers reviewed in the preparation of news items and notices for the *Daily* and *Weekly Bulletins* totalled 788, up sharply from 671 in the corresponding period of the previous year and exceeded only by the record total of 816 in the April-September period of 1954. This is an average of slightly more than 6 publications dealt with each working day as against 5.3 and 6.5 respectively for the above-mentioned periods. As in the preceding six months, the number of special printed statements reviewed but not listed, and of special releases for publication only in the bulletins, was larger than in the corresponding period

of the previous year. Advance statements on the contents of reports in process of being printed, for the purpose of earlier release of significant economic information, likewise increased.

Issues of the *Daily Bulletin* (both English and French editions) numbered 128 against 126 the previous year. In spite of the increased volume of material handled, the volume of news items per issue was slightly less than in the 1953-54 half-year mainly due to greater condensation. Issues of the *Weekly Bulletin* numbered 26, as usual, and averaged just over 16 pages, including one page each for highlights summary and news notes. The latter, carried also in the following Monday's issues (English and French) of the *Daily Bulletin*, continued to be widely published.

Basic material for the list of current Bureau publications and its detailed alphabetical index was kept up to date. The supply of photographs was increased as need or occasion arose. Special promotional work relating to the Distribution Census volumes was carried out, and circular letters concerning issues of special publications distributed to extensive mailing lists. The customary miscellaneous and casual publicity of the Bureau was maintained with the daily and periodical press.

Inquiries, Publications Information and Revenue. - This Unit received and dealt with an increased total of 11,922 letters compared to 10,902 in the corresponding 1953-54 period. The number of these containing money was down to 5,595 against 5,890, but the total revenue received during the half year rose to \$24,723.03 from \$23,890.84. While no comparative analyses of the contents of letters without money have been made, the increase in their number to 6,327 from 5,012 undoubtedly reflects an increase in requests for information, predominantly for business purposes.

The regular series of statistics was supplied monthly to the United Nations, the International Labour Office, the International Civil Aviation Organization, and the Argentine Ambassador to Canada. Revisions of material relative to Canada were prepared for the following standard national and international almanacs, year books and annuals: *Statesman's Year Book*, *Moody's Government and Municipal Manual*, *International Year Book* and

Who's Who, Canadian Almanac and Directory, Empire and Commonwealth Year Book, Calgary Municipal Manual, Broun Brothers Daily Journal, New International Year Book, Political Handbook of the World, B.C. Directories Limited.

Mailing and Storage.— A total of 353,771 covers were addressed in the six months and somewhat more than 746,000 copies of Bureau reports, memoranda, reference papers, and special compilations and statements mailed to addresses on regular paid and complimentary mailing lists. These figures represent a small decline from the preceding six months, probably due to more extensive revisions of mailing lists in the later period and to the fact that renewals (and cancellations) of paid subscriptions fall more largely in the first quarter of the calendar year. Comparable figures for the corresponding period of the previous fiscal year are not available. Copies of material mailed averaged 5,830 pieces per working day and in the month of March averaged 6,200. New addressograph plates made numbered 2,220, and plates corrected 550. In terms of titles (not number of issues), the Unit mailed 150 reports, 80 memoranda, 9 reference papers and 28 special compilations.

In addition to the foregoing distribution from mailing lists, the Unit dispatched 31,892 copies of publications from stocks in response to special requests and orders.

The Library

The period under review was one of considerable activity, the main feature being the very considerable work done on cataloguing of books and periodicals, with large totals for each month. A record number of 183 books and pamphlets was catalogued in February.

The lengthy accession lists resulting from this cataloguing aroused an increased interest in the material received and a very considerable increase in loans through the main charging desk was noted.

In the periodical section, a check was made of all periodicals being received, missing numbers were written for and the Kardex cards revised, eliminating periodicals no longer received. A number of new periodicals were subscribed to as well as two new abstracts of periodical articles, *Economic Abstracts* and *Sociological Abstracts*, which abstract and index leading articles of the journals in these fields.

Reference has been made in previous reports to the preparation of a check-list of holdings of all periodicals. This list will constitute a complete record of all periodicals in the Library, including years held. Work on the list, which is at present on cards, progressed considerably during this period and the record for approximately half our periodical holdings has now been completed. It is hoped to have the list completed and available for publication by the end of 1955.

From the University of Illinois Library we received a gift of bound volumes of the *Author Catalogue of the Library of Congress* for the years 1948 to 1952. This catalogue is invaluable as a guide for cataloguing work, as it serves as an authority file for author card entries of material being catalogued.

Only one duplicate list was distributed during this period, but it resulted in a record number of requests from other libraries for this type of material which we no longer require and resulted in the distribution of 355 items.

INTERNATIONAL TRADE DIVISION

Balance of Payments

Preliminary annual statistics on the balance of payments in 1954 were issued earlier than formerly in the Quarterly Report for the fourth quarter 1954 and were available for use in the Budget White Paper and National Accounts. An early release of revised totals of international investments in 1953 was also effected through the same publication.

The preparation of more extended detail and analysis on investments was proceeded with for publication later. Included in the special studies for this purpose is a statistical study of the place occupied by the larger United States-controlled industries in Canadian manufacturing.

There was a further extension of sampling procedures for measuring international travel expenditures. Administrative arrangements were also worked out towards the end of the year with the

Department of National Revenue with the object of simplifying the procedures followed in dealing at the border with short term traffic in United States vehicles and with Canadian vehicles. A new analysis was also developed on the length of visits of Canadian travellers by automobile to the United States.

In dealing with factors affecting the balance of payments, special attention was given to the measurement of commercial commissions, discounts, and related services connected with trade as well as commodity valuations.

Trade Analysis

Among new information prepared for the *Review of Foreign Trade* published in the period were two aids to the interpretation of Canadian trade statistics. A summary of present tariff relations with the countries recorded in Canada's trade statistics was

prepared and published with the assistance of the Department of National Revenue and the International Trade Relations Branch of the Department of Trade and Commerce. A consolidation of the present value, price, and volume indexes of exports and imports on the interim base of 1948 = 100 was also published.

The Division continued to participate in the Bureau's Standard Commodity Classification project and this task was brought appreciably nearer completion during the period under review. Seasonal indicators for exports and imports were revised and improved and an historical summary of exports and imports on a calendar year basis from 1901 was also prepared for publication. Special attention was also given to the designation of trade by countries, particularly in the case of imports originating in Central and South America.

Foreign Trade

During the period, the regular monthly reports of the *Trade of Canada* were prepared and issued as follows: *Imports* for each month from July to

December 1954 and *Exports* from August 1954 to January 1955; also, the Quarterly Reports *Articles Exported to Each Country* and *Articles Imported from Each Country* covering external trade during the nine months' period of 1954 and the calendar year 1954.

Preparation of copy for the *Export* volume of the *Annual Report of the Trade of Canada* for 1954 was begun.

The usual quarterly tabulations of import and export trade on the basis of the Standard International Trade Classification were prepared for the Statistical Office of the United Nations as well as the monthly returns to the O.E.E.C.

Letters and requests for trade information numbered about 735 of which 350 required the preparation of special statements. Regular trade statements supplied on a service charge basis numbered 4,300. During the six month's period, 145 stencils and 156 pages of photographic copy were prepared. About 1,780,000 import entries and 640,000 export entries were received.

LABOUR AND PRICES DIVISION

Employment and Earnings

The final report of an annual survey of earnings and hours of work in manufacturing in the last week of October, 1953, and the usual monthly bulletins on employment and payrolls and man-hours and hourly earnings were published during the six months ending March 31, 1955. In response to demand for more detailed information related to industrial classification, arrangements were made to publish statistics of employment and earnings for major groups of the construction and retail trade industries as from January 1, 1955.

Returns from the October, 1954, annual survey of earnings and hours in manufacturing commenced to arrive during November, and since then editing and processing have been under way. At the end of March, work on about half of the questionnaires had been completed.

The small sample survey of employment and payrolls in manufacturing establishments having under 15 employees, has been continued. New weights have been established and new index numbers were calculated from 1953 using the reweighted data. Arrangements were also made to accumulate information from which samples of newly established small factories could be drawn to offset the effect of depletion in the originally selected samples due to business failures.

Efforts are being made to effect greater mechanization of the procedures followed in processing the monthly questionnaires on employment, payrolls and man-hours.

Substantial amounts of special material were provided during the period in response to requests from government sources, employers, trade organizations, organized labour, and the general public. The number of monthly returns tabulated rose in the six months by 3.6 per cent.

Unemployment Insurance

The monthly *Statistical Report on the Operation of the Unemployment Insurance Act* was issued regularly. Weekly, monthly, quarterly, semi-annual and annual reports on the operations of the National Employment Service were released. Monthly reports on *Benefit Years Established and Terminated* were issued regularly and the *Annual Report on Current Benefit Years under the Unemployment Insurance Act* for the calendar year 1953 was published. Tabulations of benefit year data for the calendar year 1954 were commenced. The semi-annual report on *Illing and Separation Rates in Certain Industries* for the period March 1952 to February 1954 was published and tabulations for the period March to August 1954, were completed.

The first draft of a reference paper entitled *Age Characteristics of the Canadian Labour Force 1931-1950* was completed. A reference paper entitled *Employment and Earnings Characteristics of the Insured Population 1947-1950* is in course of preparation, based upon a study of actuarial sample data for the years 1947-1951 which was made for the Department of Insurance in connection with current proposals for amendments to the Unemployment

Insurance Act. A series of reports providing actuarial sample results for individual years (in some cases several years in one report) and extending the record back to 1942 is in course of preparation.

The Assistant Chief accompanied by a senior member of the staff of the section visited offices of the Unemployment Insurance Commission in the Quebec and Maritime Regions to explain the functions of the Unemployment Insurance Section in relation to the work of the Commission and to discuss problems encountered in completing documents processed by DBS.

Prices

Emphasis was placed on a reorganization of the Prices Section during the period under review. Recommendations proposed in conjunction with the establishment review were approved, and the Section will function as four principal units. These will be concerned with index numbers of: (a) international prices, (b) special purpose prices, (c) urban retail prices, and (d) wholesale prices.

Work continued on the concepts involved in the revision of wholesale price index numbers while investigations proceeded into the movements of the rental index and other aspects of the consumer price index. Family living expenditure data collected for 1953 were analysed as part of the continuing check upon the weighting pattern currently used in the consumer price index. The price index of commodities and services used by farmers was examined and the sample of prices entering into its construction was expanded.

The Chief of the Section appeared as a crown witness in a claim involving the use of price indexes of labour and materials to estimate costs of damage to a steel bridge. European posts maintained by the Department of National Defence were visited by the head of the international prices unit to obtain living expenditure and price data.

The regular production schedule of the Section was maintained in the release of indexes encompassing the retail, wholesale, farm and international prices fields.

MECHANICAL TABULATION DIVISION

A number of special tabulations were undertaken during the six months under review. These include a new series of annual tabulations on Construction Statistics, special tabulations on 1951 and 1952 Income Taxation cards, 1954 Truck Registrations in the Province of Manitoba, and special Actuarial Valuations for the Department of Insurance. Preliminary work was carried out on tabulations which will provide information on printing costs within the Bureau, monthly and annual tabulations on Canal Statistics, annual tabulations on Manufacturing Inventories, special tabulations relating to the 1954 Income Survey, monthly tabulations of Deportation Statistics for the Department of Citizenship and Immigration, and annual tabulations relating to Forest Growth for the Department of Northern Affairs and National Resources.

A new procedure was adopted for mark sensing contribution data of the actuarial sample of Unemployment Insurance contributors. This procedure will eliminate the key punching and verifying of approximately 250,000 cards per year.

The use of index cards with protruding tabs was adopted to simplify the Monthly Import Statistics

procedure. The use of these index cards resulted in appreciable saving in key punch operator, sorter, and tabulator operator time. The protruding tabs are so located that the index cards can be processed through sorters or tabulators along with regular punch cards without jamming. Associated with this change was the use of a summary punch to punch control cards automatically rather than by key punch operator as in the past.

A large proportion of the annual and monthly reports for the Industry and Merchandising Division is now converted to peg-bar forms and compilation is now being done on comptometer machines rather than adding machines. The layout of the schedules and their compilation on faster machines should result in an improvement in the timeliness of these reports.

The programme instituted earlier this year for converting all key punch and verifying machines to newer machines progressed at the rate of four machines per month. The Key Punch Unit now has 31 of the newer machines out of an eventual total of 70.

PUBLIC FINANCE AND TRANSPORTATION DIVISION

Federal and Provincial Finance Section

Further work was done to improve the currentness of data obtained for the quarterly analysis of provincial government revenue and expenditure for use by the National Income Section of the Research and Development Division.

Particular attention was given to improving the method of analysis of provincial government capital

and repair expenditures based on Estimates and Public Accounts for the use of the General Assignments Division.

The data supplied by government liquor control authorities for the report *Control and Sale of Alcoholic Beverages* were examined with a view to overcoming certain weaknesses in the annual questionnaire form.

Divisional commitments emerging from the meeting of the Continuing Committee on Provincial Finance Statistics, held in September, 1954 were dealt with. An outline of basic requirements for use in a prospectus for provincial bond issues was prepared for the purpose of consultation with the Investment Dealers Association of Canada. Arrangements were completed whereby provincial governments will supply an analysis of securities held as investments as at March 31 and December 31 each year. Returns were received from all provincial governments as at December 31, 1954, and the requirements of the Bank of Canada in this regard were met. The matter of surveying all departments of the Government of Canada concerning the classification of provincial government expenditures under federal-provincial agreements was also given some consideration.

A number of special projects were completed, including work done for: The Canadian Congress of Labour; the Canadian Teachers Federation; the Association of Canadian Distillers; the Citizens Research Institute of Canada; the Canadian Tax Foundation; federal government departments, and others.

Municipal Finance Section

Compilation of Municipal Finance Statistics reports for the year 1953, interim and final, await the reception of only two or three subsidiary provincial publications. Work was commenced on the 1954 report.

Organization of sampling procedure on which two stages of preliminary reporting for 1954 and subsequent years will be based, was completed and arrangements were instituted with most of the provinces.

Surveys of municipal capital and repair expenditures for 1954 and 1955, municipal salaries and wages for 1953, and municipal sinking fund earnings for 1953 were completed, and for the latter two were commenced for 1954.

A survey of the provinces to ascertain the nature of financial aid given to local governments was conducted, and this information is now being summarized and classified.

Government Employment Section

Changes in plan of publication of Federal Government employment data to bring about closer agreement with the principles observed in the Estimates and for use of the departments of Government in the preparation of annual estimates have been proposed and are under consideration with representatives of the Treasury Board. Publication of data continues monthly as a memorandum with two special analyses for the Civil Service Commission.

Codification of services of the Federal and Provincial Governments according to the Standard Industrial Classification has been completed and except for a review of codes, is ready to serve as a new basis for analysis of governmental data.

An analysis of the government sector of the 1951 Census enumeration of number of employees according to province and for each level of government has recently been completed for internal uses of the Bureau.

Regular monthly analyses of provincial government data continues for internal uses with releases to each participating government of data pertaining to its own operations.

The increase in the number of requests received for Federal Government employment data is suggestive of a heightened interest in this survey.

Transportation and Public Utilities Section

The pilot sample survey of motor transport in the Province of Manitoba was continued during this period. Five of the six scheduled bi-monthly segments which comprise the full year's survey have now been completed. A presentation of results will follow the final survey taking place in May. Thereafter it is intended to increase the size of the sample and to conduct only quarterly surveys on a continuing basis. An analysis of total truck registrations in Manitoba will be presented in conjunction with the first year's results. Preliminary organization has been completed for applying the same sampling techniques to the collection of motor transport traffic data in Ontario with the first survey to begin about June. Surveys in other provinces will be instituted as rapidly as feasible.

Further meetings with officials of the Canadian Electrical Association and representatives of the electric power industry including area meetings in the Maritimes, Quebec, Ontario, and the Western provinces resulted in the establishment of the first annual forecast survey of electric power. Returns for the first survey, held March 15, 1955, are being received. Further progress was made with the problem of reviewing and revising Central Electric Station statistics, and preliminary arrangements have been made to discuss this series with interested officials of the electric power industry.

The reorganization of Canal Statistics has been completed and this series has been converted from a hand posting ledger operation to the Hollerith Punch Card system with a net saving of one clerical position.

Transit statistics have also been revised to provide two separate monthly and annual series, Urban Transit Statistics and Motor Carrier-Passenger (Intercity and Rural). Urban Transit Statistics annual

will contain data on urban electric rail transit systems formerly included in the report of Electric Railways which will be discontinued. Electric rail systems which are not urban transit operations will be included in Railway Transport.

The Dominion-Provincial Conference on Motor Vehicle Accident Statistics held at the Bureau in December, 1954 achieved in large measure its objectives to provide for the establishment of the collection, compilation, and presentation of traffic accident statistics on a comparable basis for all provinces and for Canada. Commencing January, 1956, DBS will produce monthly reports of basic traffic accident data as well as quarterly and annual reports in greater detail.

Further discussions with officials of the Bureau of Transportation Economics Division of the Board of Transport Commissioners and railway officials provided some progress in the revision of rail transport reporting schedules and definitions.

Answers to requests involving special tabulations and compilations were prepared for such organizations as the United States Seaway Development Corporation, the Canadian Maritime Com-

mission, the Toronto Metropolitan Planning Board, Branches of the Department of Transport, the Railways, the Dominion Coal Board, the Bureau of Transportation Economics, Air Industries Transport Association, Department of Public Works, National Harbours Board, the press, diplomatic representations stationed in Ottawa, and many private business establishments, government departments, and individuals.

Publications released between October 1, 1954 and March 31, 1955 include the following: *Canal Statistics, 1954*; *Warehousing Statistics, 1952*; *Telephone Statistics, 1953*; *Pipe Line (oil) Statistics, 1953*; *Water Transportation Statistics, 1953*; *Civil Aviation Statistics 1953*; *Central Electric Stations, 1952*; *The Motor Vehicle, 1953*; *Canadian National Railways, 1953*; *Express Statistics, 1953*; *Railway Transport, 1953* (3 of 5 parts); *Canadian Pacific Railway Company, 1953*; *Telegraph and Cable Statistics, 1953*. The report *Warehousing Statistics, 1953* was sent to the Printer.

In addition, regular reports were released monthly covering the fields of Civil Aviation, Canals, Output of Electricity, Pipe Lines (oil) Transit Systems, Railways, Communications, and Motor Carriers.

RESEARCH AND DEVELOPMENT DIVISION

National Income Section

During the period under review a number of working panels and committees were reactivated for the purpose of carrying out the programme called for by the historical revision of the National Accounts. A programme of work covering the next two years was set up and distributed to members of the Section. An effort was made to familiarize several staff members with the problems involved in testing and analysing assembled data, using various standard checks and related economic indicators.

An agenda was prepared for the consideration of the Interdepartmental Concepts Committee, and a meeting of this committee was held on March 21st.

The National Accounts reports for the third and fourth quarters of 1954 were prepared and published in December and March, respectively. The preliminary annual National Accounts report for 1954 was consolidated with the fourth quarter release. An advance fourth quarter estimate based on two months' data was prepared early in February in order to assist the Bank of Canada in establishing rates of output during 1954 for its annual report. The publication programme for the quarterly National Accounts was moved ahead by ten days.

An article was prepared for the Canada Hand Book on "Economic Conditions at the Close of 1954". Six articles on current economic conditions were prepared for the *Canadian Statistical Review*.

An important research development during the period was the completion of seasonally adjusted series of quarterly real output by industry, and related monthly indicators, seasonally adjusted. This new material is being used to analyse developments taking place within the broad National Accounts aggregates, and provides an important new check on the movement of real gross national product.

A number of refinements were introduced in the methods of computing certain of the National Accounts series. Further work was completed on the monographs on inventories and on deflation procedures. The development of monthly estimates of consumer expenditure was largely completed.

A new report entitled *Quarterly Corporation Profits* was made public in March, 1955, marking the completion of an important developmental project of several years standing. This project was initiated in the Research and Development Division but will henceforth be carried out by the General Assignments Division.

A survey of Canadian Trusteed Pension Funds was carried out, and a reference paper on this subject was completed and published.

Data were prepared for the Department of Finance for the 1955 Budget White Paper. Members of the Section gave assistance in checking the analysis of this material on questions of fact or interpretation.

Business Statistics Sections

Estimates of real output by industries for all sectors of the economy for the third and fourth quarters of 1954 were prepared to provide analytical background and overall checks for the quarterly National Accounts. The estimates were also distributed to officials of Trade and Commerce, Finance, and the Bank of Canada for analytical purposes.

Further progress was made in the development of bench-mark series of real output by industries for the period 1935 to date. Work on the commodity-producing industries is complete except for minor adjustments, and resources are now concentrated on the measurement of the service industries. Trade, finance, and service are the sectors requiring most work. Some definitional and classification problems remain to be solved in these areas, and, although certain procedures have been tentatively adopted, these remain to be confirmed by the interdepartmental committee on real output which will be called together as soon as the developmental work is completed. Plans for publishing total real output by industries will be discussed at that time.

The work on bench-mark indexes of industrial production for the manufacturing and mining indus-

tries for the period 1946-1951 on the new base 1949 = 100 was completed during the period. The preparation of an adequate weighting system based on Gross Domestic Product and the adjustment of monthly series to the new annual levels are progressing.

During the past six months, the preparation and editing of the tables for the monthly and weekly editions of the *Canadian Statistical Review* were continued, as was the computation of the monthly *Index of Industrial Production*. Six monthly reports on *Cheques Cashed in Clearing Centres* and two quarterly bulletins on *Commercial Failures* were also issued. The annual reports of *Survey of Production* and *Cheques Cashed in Clearing Centres* were prepared and published. Work on the preparation of the second *Biennial Supplement to the Canadian Statistical Review* was also begun.

Other Projects

The inter-industry flow study for the year 1949 was completed and analysis of results begun. A Reference Paper (No. 52) on income size distributions for 1951 was released and preparations made to repeat a similar (restricted) study for 1954.

SPECIAL SURVEYS DIVISION

Regional Offices

The Regional Offices organized and carried out the field work for labour force surveys 52, 53, 54, 55, 56, and 57 during the period from October 1, 1954, to March 31, 1955. This involved the instruction and supervision of some 575 enumerators who, each month, conducted interviews in some 30,000 households. The new sample based on 1951 Census data was introduced in Quebec and British Columbia placing all ten provinces on the revised basis. During the period the field staff was increased by eight new members, and field-checking and reinterviewing were stepped up to provide better control of enumeration. A series of monthly surveys on family expenditures and incomes was resumed in January, 1955, with a sample of some 200 households in principal cities. In addition, a more comprehensive survey of incomes was carried out in the field in March, 1955. The collection of 1953 annual reports and 1954 and 1955 monthly reports for other Divisions of the Bureau was handled by the offices. During 1954, 8,832 Census of Industry annual reports were forwarded to Regional Offices for collection and, at the end of 1954, only 23 remained outstanding. The collection of data on new residential construction was carried out by the regular labour force survey enumerators.

Field Administration

Enumerators' claims were processed and cheques dispatched for six labour force surveys, surveys of new residential construction, surveys of family

expenditures, and price collection. In addition, the regular monthly accounts for regional office staff were received and cleared with the Accounts Section of the Bureau. Necessary budgetary control records were maintained relating to all field work. The Section acted as the clearing point between the Regional Offices and the Divisions of the Bureau for overdue annual, quarterly, and monthly reports from business establishments.

Operations

The regular programme of processing labour force survey material has been maintained and the results have continued to be made available in press release form 4 to 4½ weeks after the start of enumeration for each survey. Surveys 51, 52, 53, 54, 55 and 56 were edited and processed and a start was made on survey 57, the results of which are to be released in April. In conjunction with the revision of the sample design as outlined below, all series have been revised commencing with the first survey in November, 1945. A new reference paper has been prepared incorporating all revisions and was delivered to the printers late in March. The data from the survey of household facilities and equipment, carried out in conjunction with the September labour force survey, were compiled and release was made in a regular report. In addition, the rental index was compiled up to February, 1955, the monthly survey of new residential construction was processed, and quarterly estimates of the population of Canada were prepared.

Sampling and Analysis

The sample selection and mapping work for the sample has now been completely revised on the basis of 1951 Census data. The design has been modified so that revisions based on future censuses can be incorporated with less time and effort. A programme of verification and revision of the sample for urban areas is under way and a number of cities have been completed. The variance formulae developed in the Section have been applied to many of the estimates providing a quality control feature to the surveys.

The Section continued to provide technical assistance for other Bureau Divisions and Government Departments. It is represented on the committee which is planning the supplementary agriculture

survey in conjunction with the 1956 Census and is concerned chiefly with the design of the sample. Preliminary work on the sample was completed for the province of Manitoba. Discussions were held with representatives of the Department of Labour concerning a survey of the experience of married women in the labour force. A sample for test purposes was prepared for the City of Ottawa and tentative procedures developed.

Special Projects

The special research programme was continued throughout the winter and plans were made for an extensive re-enumeration programme. A special supplementary questionnaire for this programme was developed and tested in the field.

REPRESENTATION AT MEETINGS AND CONFERENCES

The Dominion Statistician presided at the annual meeting of the Vital Statistics Council for Canada in November; and the Dominion-Provincial Conference on Motor Vehicle Accident Statistics, and the Dominion-Provincial Conference on Agricultural Statistics in December; all held in the new DBS Conference Room. In January the Dominion Statistician attended meetings of The Controllers Institute of America at Toronto and Montreal, respectively.

The Assistant Dominion Statistician for Administration was Canadian delegate to the Eighth Session of the Population Commission at New York, March 14-24, and was elected Chairman of the Commission.

The Assistant Dominion Statistician for Statistical Integration attended the Executive Committee Meeting of the Committee on Research in Income and Wealth, at New York, in December.

The Senior Research Statistician attended the Eighth International Conference of Labour Statisticians at Geneva, November 23-December 3, as Canadian delegate and was elected Chairman of the Committee on Real Wages. He attended the Eighth Session of the Population Commission at New York, in March, as alternate Canadian delegate.

Agriculture Division

The Director and senior officers of the Division attended the Dominion-Provincial Conference on Agricultural Statistics and the Dominion-Provincial Conference on Agricultural Production, both held at Ottawa in December. The Division was also represented at meetings of the Interdepartmental Committee on Agricultural Statistics, the Advisory Committee on Agricultural Services, and the Research Committee of the Ontario Research Council.

Education Division

The Director attended the annual meeting of the Canada Foundation at Ottawa and the mid-winter meeting of the Joint Planning Commission, Canadian Association for Adult Education. The Director and the officer in charge of the Higher Education Section attended the annual meeting of the Registrars of Ontario and Quebec Universities at Toronto, in December. The Director served on the National Committee for Canadian Education Week.

Health and Welfare Division

The Director was the Canadian delegate to the International Conference for the Seventh Revision of the International Statistical Classification of Diseases and Causes of Death, held at Paris, France, in February. Senior officers of the Division attended meetings of the following organizations: American Public Health Association at Buffalo, N.Y.; Medical Record Librarians at Toronto; Maritime Hospitals Association's Institute on Accounting and Statistics at Moncton; New York State Joint Legislative Committee on Problems of the Aging at New York; and Accounting Institute, Ontario Hospitals Association, at Toronto.

Industry and Merchandising Division

Senior officers of the Division attended the annual meetings of the following organizations: Industrial Development Council of Canadian Meat Packers at Hamilton; Canadian Pulp and Paper Association at Montreal; Canadian Lumbermen's Association at Montreal; Canadian Food Processors' Association at Montebello; Canadian Prospectors' and Developers' Association at Toronto.

Information Services Division

The Director attended the Eighth Conference on Canadian Information Abroad at the Seignior Club, Montebello.



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International Trade Division

The Director and an officer of the Balance of Payments Section attended the Ninth Dominion-Provincial Tourist Conference. The Director attended a meeting of the National Bureau of Economic Research on the Study of the Structure of World Trade and Payments.

Labour and Prices Division

The Assistant Director was one of the Canadian representatives at the Eighth International Conference of Labour Statisticians at Geneva. The Chief of the Prices Section addressed a meeting of the American Marketing Association on "Price Index Number Construction".

Public Finance and Transportation Division

Senior officers of the Division attended the following meetings: Dominion-Provincial Conference on Motor Vehicle Traffic Accidents at Ottawa, the annual convention of the Quebec Trucking Association at Montreal, and of the Ontario Trucking Association at Toronto.

Research and Development Division

The Director and two officers of the Division attended the annual meeting of the Conference for Research in Income and Wealth at New York and visited the National Bureau of Economic Research for consultation on certain problems of statistical development.

VISITORS TO THE BUREAU

In addition to the officials who participated in the conferences held in the Bureau during the period under review, many officials of federal and provincial government departments, government officials from other countries and representatives of business and industry visited the Bureau in connection with problems in their respective fields.

Visitors from other countries included: Mr. R. Noegroho, Mr. A.J.C. Noya, and Mr. J.D. Manopo from Indonesia who studied the Bureau's organiza-

tion and methods under the Colombo Plan as also did Mr. G. Aguilar of Colombia on an I.L.O. fellowship. Other visitors included: Mr. Bernard Benjamin, General Register Office, United Kingdom; Mr. M. Ercolani, Economic Research Department, Bank of Italy; Dr. Avner Hovne, Director, Research Division, Ministry of Labour, Israel; Dr. Arye Nizan, Director, Division of Prices and Labour Statistics, Statistical Bureau, Israel; Mr. A.P. Lobatchev, Commercial Counsellor, Embassy of the Union Soviet Socialist Republics; and Mr. A. Aidenoff of the UN Statistical Office.