

11-201

SEMI-ANNUAL REPORT

of the

DOMINION BUREAU OF STATISTICS

OCTOBER 1, 1953 to MARCH 31, 1954



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ADMINISTRATION DIVISION

Personnel

In the period October 1, 1953 to March 31, 1954, there were 108 appointments and 111 separations — a net decrease of 3 on the regular DBS staff. The total staff as of March 31, 1954 was 1306 of which 609 were permanents and 697 were temporaries.

During the half-year there were 4 assignments to the 1951 Census staff in Ottawa and 31 separations. The total 1951 Census staff as at March 31, 1954, was 63.

Recommendations were made for the permanent appointment of 12 members of the staff.

During the period 25 certificates of permanent appointment were received.

Recommendations were made for statutory increases (effective January 1, 1954 and April 1, 1954) for 268 employees.

An increase was withheld from one member of the staff who had not given the service which the Department has the right to expect.

Drafting

Economic charts, maps, illustrations, and other related work completed during the half-year totalled 665 as against 677 during the corresponding period of last year.

Accounts

During this period the Main Estimates for the year 1954-55 with supporting details were prepared and submitted.

The form of submission and sequence of supporting details as revised by Treasury Board were followed. This required comparative statements of expenditures for the previous three years.

In addition to the usual supporting details, the following statements were prepared and submitted:

- a. Estimated cost of operating each Division of the Bureau for the year 1954-55.
- b. Summary of decreases of DBS publishing programme and publications cost implemented by DBS Advisory Board on Publications.
- c. Reasons by Division and item of Acquisition of Equipment.

The payment of all accounts received to April 30 (closing date of the fiscal year 1953-54) was effected from funds provided in the Main Estimates,

without recourse to Supplementary Estimates. Some Transfers between Allotments were effected to meet these requirements.

The work of completing information on individual salary records for the new Public Service Superannuation Act was carried on during this period. This involves information on temporary employees and former employees of the Bureau, a total of approximately 1300 persons.

The major portion of this work has been completed including preparation of information on individuals pending receipt of their election forms.

Further analyses of 1951 Census Field Accounts for administrative and future estimating purposes was carried out and a statement of the total cost of the 1951 Census prepared for the 1951 Census Administrative report.

Microfilming of National Registration Records

At the request of Treasury Board, as an economy measure, the Bureau undertook the task of microfilming the 1940 National Registration records. These records are proving increasingly useful for proof of age in connection with Old Age Security and Assistance and for delayed birth registration purposes.

By the end of March 1954, approximately 3½ million or 40 per cent of the records had been processed for microfilming. Searches from these records have totalled approximately 13,000 during the period under review.

Office Services

During the past six months 88 requisitions were raised on the Department of Public Works for goods and services for which they are responsible and 85 requisitions were reported as completed.

Addressograph

During this period 3,805,803 forms were addressed, 650,772 forms were folded, 67,591 plates were embossed, and 36,020 plates were corrected.

Composing Unit

Production amounted to 6,384 pages and tables planned and layed out, 6,113 pages and tables varityped, and 5,825 pages and tables stripped and pasted; 2,581 hours were spent on miscellaneous vari-typing.

Mail and Messengers

During the period 5,499 bags of mail containing 1,760,070 pieces of mail were deposited with the Post Office. The value of postage affixed amounted to \$63,093.51.

Stenographic Pool

The number of letters transcribed from dictation totalled 3,589. The number of pages typed totalled 8,483 made up of 2,760 metal and paper plates, 1,428 pages for photography, 3,392 letters, copy work, and lists, and 903 statements of various sizes. In addition, 6,122 pieces of typing were handled composed of telegrams, envelopes addressed, forms filled, and reminders made.

Supplies

Printing and stationery requisitions submitted to the Department of Public Printing and Stationery numbered 303 with a total estimated value of \$82,182.94. Issues of postage stamps to regional offices amounted to \$7,753.98.

Forms Control

Approximately 1,200 forms and questionnaires were submitted for printing. Of this number 92 questionnaires, totalling 179 pages, were redesigned and 28 questionnaires, totalling 58 pages, were revised. Processing methods, forms revisions, and other related problems were discussed with directors, chiefs, and other interested persons to prepare a basis for further work.

The mark-sense principle for data processing, particularly as it applied to agriculture and family-household statistics, was again examined and much useful information collected.

Health Unit

The report of the Health Unit for the period October 1, 1953, to March 31, 1954 is as follows:

Total visits	6,630
Male	2,045
Female	4,585
First visits	4,942
Repeat visits	1,688

Visits due to:

Illness	2,758
Accident	251
Consultation	206
Return to work visits	3,415
Returned to work	6,497
Sent home	133

Analysis of first visits by case:

Respiratory	1,810
Digestive	885
Skin and Cellular	262
Menstrual Disorders	350
Emotional Disorders, Nervousness, etc.	46
Ill-Defined	1,331
Non-Industrial Injuries	190
Industrial Injuries	65
Contagious Diseases	3

Days lost due to casual absence	3,095
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ADVISORY BOARD OF PUBLICATIONS

Seven meetings of the Advisory Board of Publications were held during the six months under review.

The final report of the Sub-Committee set up to study "Cover, Title Page and Masthead Design of DBS Publications" was considered and approved. Also considered were problems relating to pricing of publications, advance release of information, requests for free copies of DBS publications, and distribution to co-operating agencies.

Approval was given to publishing the following: *Quarterly Estimates of the National Accounts; List of Flour and Feed Mills; Employment, Payrolls and Weekly Earnings, January 1949-June 1952* (the first release of indexes of employment and earnings on the base 1949=100); *Household Equipment and Characteristics, 1953* (annual report replacing four quarterlies); *Population of Unincorporated Villages and Hamlets with Population of 50 or More, 1941 and 1951*; a series of monthly releases on *Production and Mine Shipments of Iron Ore*; monthly statistics on *Carbonated Beverages*; quarterly figures on the

Production of Bread and other Bakery Products; a historical summary of *Notifiable Diseases in Canada, 1924-52*; and an annual report on *Home Nursing Services in Canada* in co-operation with the Victorian Order of Nurses. Also approved were the publication of the annual report on *Railway Statistics* in five parts; Part II of *The Manufacturing Industries of Canada* in six parts; *Operating Results of Miscellaneous Retail Stores* in five parts; *Operating Results of Miscellaneous Chain Stores* in three parts; and a separate list of *Institutions of Higher Education* (now published in the *Biennial Survey of Education*). The reason, in each case, was to enable earlier release of certain data and to avoid wasteful distribution involved in the sending of large reports to correspondents needing partial data only. The *General Review of Retail Statistics* was discontinued since it represented considerable duplication of material published in other reports. A change in the format of the *External Trade Classification* (from double space reduced to single space full size type), resulting in a more easily read document and a saving of 14-18 pages on each copy, was approved.

AGRICULTURE DIVISION

Crops Section

Officers of the Section held appointments as secretaries or members of several of the commodity committees of the annual Dominion-Provincial Conference on Agricultural Production held at Ottawa, November 23-24, 1953. This work included preparation of detailed statistics and comprehensive analyses of the situation and outlook relative to the commodities concerned.

Seven recommendations affecting the work of the Crops Section were made by the Dominion-Provincial Conference on Agricultural Statistics (November 26-27, 1953) and necessary action will be taken on these during the current crop reporting season.

With the completion of intercensal (1942-50) revisions on field crop acreages in the Maritime Provinces and Quebec, intercensal revisions of yield and production in these regions were completed and made ready for publication. The work of selecting new farm correspondents to improve the representativeness of samples in the Prairie Provinces was continued. A special potato yield survey was undertaken in the Maritime Provinces, with the Inspection Service of the Department of Agriculture co-operating in the field follow-up of non-respondents.

During the period an improved method of handling the distribution of newspaper premiums for farm correspondents was developed and was applied with considerable savings of time and material in the Crop Reporting, Dairy, Poultry, and Farm Finance Units. The Head of the Crop Reporting Unit held meetings in Montreal with the Secretary of the Canadian National Millers' Association and with mill officials in connection with determining the current requirements of the trade for milling statistics. Special attention was given to the possibility of improving inventory data.

The experimental programme in random sampling initiated in 1952 for certain special crops and extended during the earlier part of 1953 was continued during the period from October 1, 1953 to March 31, 1954. Mail questionnaire surveys had been made of random samples of small fruit, vegetable, and maple producing farms in Nova Scotia, New Brunswick, Quebec, and Ontario during the summer of 1953. During the winter of 1953-54 a limited number of follow-ups of non-respondents to the small fruit survey were made by fruit inspectors of the Department of Agriculture in Western Ontario. During the latter part of 1953, through the co-operation of provincial apiarists, follow-ups were made of samples of non-respondents to the July 1 survey of beekeepers in Manitoba and Ontario (this was the second year during which such a programme was carried out in Manitoba). The results of these several surveys were analysed in co-operation with the Research Unit of the Agriculture Division. The analysis was aimed at appraising the usefulness of follow-ups by mail and by personal interview, the gains in precision through stratification, and the relative efficiencies of alternate estimating methods.

Arrangements were made to conduct a survey of vegetable processors to determine the acreages of vegetables planted under contract each year. This is being undertaken in an effort to find out the facts behind certain discrepancies between contracted acreages and census figures, and other estimates.

For the first time, an estimate of planted acreages of vegetables for commercial production (in Quebec, Ontario, and British Columbia) was published during the same calendar year.

Articles were prepared for inclusion in *Canada*, 1954 and the *Canada Year Book*, 1954. Monthly and annual data covering a wide range of agricultural commodities were supplied to the Food and Agriculture Organization and a heavy volume of requests for special information was processed 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) and the *Sugar Situation* (monthly). 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*; *Second Estimate of Fruit Production, 1953 and Estimated Planted Acreage of Certain Vegetables, 1953*; *First Estimate of Honey Production, 1953*. Food balance sheets showing the per capita consumption of food (crop year basis) were issued in February. 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, 1953; Preliminary Estimate of Acreage, Production and Value of Hops, 1953, with Final Estimates for 1952; and Acreage of Fibre Flax with Production and Value of Fibre Flax Products, 1953.

Live Stock Section

A Quarterly Pig Survey was authorized and commenced as of December 1, 1953 with the distribution of about 55,000 pegboard schedules to a random selection from census lists of farmers throughout Canada except in British Columbia and Newfoundland. The Marketing Service, Canada Department of Agriculture, co-operated by supplying clerical assistance for the original listing of names. Over 10,000 schedules were returned and addressograph plates were prepared for 6,660 farmers in this group who signified willingness to respond regularly. Analysis of the survey of March 1, 1954 was based on 3,573 identical farm (paired) reports. While analysis is still experimental, and no decision has been reached as to final method or content of publication, the results have been reviewed by an interdepartmental committee and are considered to provide very pertinent information.

The Quarterly Survey of Meat Animal Slaughtering in commercial (not federally inspected) plants was extended to all provinces except Alberta for the last quarter of 1953. Considerable revision of the mailing lists is still required, as well as further follow-ups, to establish full coverage. A 96 per cent return has been received from the establishments covered in these provinces for the third quarter of 1953. The Alberta Department of Agriculture undertook to conduct the surveys in that province.

The Fur Farms Branch of the Alberta Department of Agriculture volunteered to withhold licensing until the Bureau's annual questionnaire is received from the fur farmer. This co-operation will eliminate the need of considerable follow-up work in collecting these schedules.

Milk Haulage Cost Surveys, supplementary to regular monthly Milk Utilization Surveys, for Ontario and Alberta were compiled to provide data for computing farm prices from quoted milk plant prices. Revisions of milk production and utilization estimates for 1950 to 1953, inclusive, based on census data of the bench-mark month, May 1951, were published as supplements to the monthly *Dairy Review*.

Reports on the Live Stock Survey of December 1, 1953 were released approximately one month earlier than for previous surveys. In addition to the regularly scheduled monthly reports, the following annual reports were completed: *Live Stock and Animal Products Statistics, 1952*; *Estimates of Production and Consumption of Meats, 1953*; *Wool Production and Supply, 1953*; *Fur Production, Season 1952-53*; *Report on Fur Farms, 1952*; *Stocks of Food Commodities in Cold Storage and Other Warehouses, 1953*.

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), the sample return numbering 90,800. The Unit processed 56,200 of these December returns along with 33,500 returns from the preceding June Survey which were paired with the December returns. A revised mailing list based on the Census of Agriculture, 1951, was used in the province of Saskatchewan and the sample return increased by over 45 per cent. The Unit also tabulated over 20,000 pegboard-type questionnaires for other regular farm surveys conducted by the Agriculture Division during the past six months.

The Farm Finance Unit prepared and published scheduled memoranda on farm income, farm wage rates, the indexes 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 government departments. Regular sample surveys of monthly farm prices, periodic farm wage rates, and values per head of live stock were completed. Study of Illustration Station records (Experimental Farm Service) with respect to seasonal farm expense patterns was continued. The Division received the tabulations from the Census of Agriculture's 1952 sample survey of farm mortgages and expenses at the end of January and the Farm Finance Unit is reviewing the estimates.

The Research Unit completed the revision of intercensal estimates of crop acreages, 1941-51, except for the Province of Ontario. A progress report on this project was presented to the Federal-Provincial Conference on Agricultural Statistics in November, 1953. Design and analysis of experimental random sampling was continued by the Unit, principally for specific crops.

CENSUS DIVISION

Agriculture

The two parts of *Volume VI, Agriculture*, giving the results of the 1951 Census of Agriculture, were released. The tabulations of the Supplementary Survey questionnaire were completed and additional material prepared for the chapters of the Summary Volume (X).

Population

Three volumes were released during the period, *Volume II, Population - Cross-classifications of Characteristics*; *Volume III, Housing and Families*; and *Volume V, Earnings and Employment of Wage-Earners*.

In the General Population Unit the special tabulations of population by single years of age and by specified origins were checked and prepared for

release. A number of the minor categories of origin, religion, mother tongue, birthplace, and citizenship, which were not tabulated separately during the main tabulations, were examined and classified. A number of tables were prepared for inclusion in the Summary Volume. Special tables to be used as a basis for constructing maps to be included in the Atlas of Canada were prepared.

In the Household and Family Unit four tables of material to supplement information given in Volume III were prepared and printed for distribution upon request. Work on the textual and tabular material for the Summary Volume chapters on Housing and Families was continued. A number of special tabulations were made for outside agencies.

In the Occupations and Employment Unit the final adjustments of the labour force tabulations were made and the work tables prepared for filing.

A number of special studies were made, including data for an historical bulletin. Material was prepared for the Summary Volume (X) and for the Administrative Report (Volume XI).

Mechanical Tabulation

The tabulations of the Census of Distribution data were completed, including a number to answer special requests by outside agencies. Tabulations for the Supplementary Survey were carried out and additional tabulations made of population, family, housing, and agriculture cards not scheduled in the regular tabulation programme. The monthly Labour Force Survey data and that for the annual Family-Household Survey were punched and tabulated.

Social Analysis

The preparation of material for several chapters of the Summary Volume (X) was continued and a number of pages of the tabular material sent to the Vari-Type Unit. The annual report, *Estimates of Households and Families in Canada, 1953*, was prepared and printed, and the preparation of material for the annual report *Estimated Population by Marital Status, Age and Sex, Canada and Provinces, 1952*, was well advanced. The coding of the records of the Citizenship Branch for the last six months of 1953 was completed and compilation begun of the annual report of Citizenship Statistics. A paper on "Regional and Ethnic Differences in the Age Composition of Canada's Population" was prepared for presentation at a Conference of the United Nations held in Rome, Italy.

General

During the period approximately 11,425 applications for proof of age were received and more than 15,000 letters furnishing proof of age for Old Age Pensions, Birth Certificates, etc., were mailed. Approximately 700 letters were written giving in-

formation on population, agriculture, etc. The measuring of land areas of the municipal units in the eastern provinces was continued. Population estimates (1951) for a number of areas were prepared for other government departments.

A brochure entitled "Social Implications of the 1951 Census" was prepared for a round table discussion at the School of Social Work, University of Toronto. The brochure contained statistical tables and charts of population, housing, family, and labour force data compiled from the 1951 Census. Data on a few other subjects, such as Family Allowances and Old Age Security payments, prepared by other government departments were included in the brochure.

In order to appraise the enumeration problems of mark-sensing an agriculture questionnaire and to determine whether an enumerator could properly mark family relationships, a test enumeration of an abbreviated population document, and an agriculture questionnaire containing about 90 inquiries, was conducted during the early part of March. The staff employed in the subject sections prepared the forms, instructions for enumerators, and processing. The results are being carefully analysed and will be used in planning the next census of population and agriculture.

Visitors to the Division included Messrs. L. C. Isley, W. B. Jenkins, J. McPherson, C. F. Van Aken from the Bureau of the Census, Washington, D. C., and Mr. W. A. Orr, Department of Municipal Affairs, Toronto.

Three officers of the Division attended training meetings in Washington, D. C., and observed the enumeration in connection with a test Census of Agriculture. Three officers attended a seminar arranged by the University of Toronto to consider "The Social Implications of the 1951 Census". The Director of the Division and the Chief of the Population Section returned from foreign assignments under the United Nations Organisation.

EDUCATION DIVISION

School Statistics

Preparation of material for the *Survey of Elementary and Secondary Education, 1948-50* was almost completed at the end of the period.

The sorting, coding, and editing of all three sets of 1952-53 reports on teachers, pupil withdrawals, and enrolment were completed and almost all had been processed through mechanical tabulation. Tables for the bulletin *Teachers' Salaries, Qualifications and Experience 1952-53* were prepared. Work on the 1953-54 fall reports from teachers was well under way.

Forms were sent out to teacher training schools and faculties requesting information on staffs and enrolment. Returns have been received from nine

provinces. At the request of UNESCO, a detailed survey of all schools and classes for exceptional and for handicapped children was begun in February.

Assistance in revision of the school register was given Nova Scotia and a representative of the Department of Education spent some time in the Division in the revision of report forms and discussion of the work done for the Department.

The regular special compilations for the provincial education reports of Newfoundland, Prince Edward Island, and Nova Scotia were prepared.

The tables sent to private schools and business colleges and the financial data for 1952 were in the course of preparation at the end of the period.

Higher Education

The *Survey of Higher Education 1950-52* was completed and ready for printing. The memorandum *University and College Enrolment Reported in the Current Year, 1953-54* was completed and sent for printing. A revised *List of Institutions of Higher Education* was prepared. The report form for uni-

versities and colleges was sent out to obtain further information on students and finances.

Libraries and Museums

Work continued on the *Survey of Libraries 1950-52* and the special *Survey of Museums and Art Galleries*.

GENERAL ASSIGNMENTS DIVISION

Forecast Surveys

The 1953 Preliminary Estimate and 1954 Forecast Survey of Capital and Repair Expenditures started on November 23, 1953, and was completed on January 25, 1954. The data collected, as well as that collected for 1952 earlier in 1953, were inflated and independent estimates were made for sectors not covered by direct survey. The ensuing report, *Private and Public Investment in Canada, Outlook 1954*, was tabled in Parliament during February. The regional estimates of capital investment for 1952, 1953, and 1954 were prepared during March for presentation in a supplement to the annual report.

Throughout the period, many special purpose tabulations of capital expenditures were compiled for various government departments, trade associations, and private firms. During December a survey of the 1954 production intentions of cement manufacturers was carried out for use by the Economics Branch of the Department.

A new Census of Construction form was circulated along with a covering letter explaining the change-over to the new method of collecting and compiling the principal statistics of construction. These were sent to construction firms and to all levels of government. In addition, special construction forms were sent to industrial organizations who, on their 1952 Capital and Repair Expenditures reports, stated they performed at least \$25,000 worth of construction work with their own labour force. With the exception of some government reports, these surveys were completed by the end of the period. The compilations of the 1952 actual, 1953 preliminary estimate, and 1954 forecast of expenditures on construction by type of structure were completed.

The basis for coding building permits according to industrial sector was revised so as to conform more closely to the standard industrial classification. Also, methods of tabulation were changed substantially in order that the tabulation, "Proposed Construction as Indicated by Building Permits Issued in Canada", used by various government economic research divisions, could be distributed earlier each month.

Corporation Profits

Surveys were completed for the third and fourth quarters of 1953 and a summary report for the third quarter was prepared and circulated to the Depart-

ments of Finance and Trade and Commerce and to the Bank of Canada. The tabulations for the fourth quarter were completed and the summary report will be released during the second week in April.

The survey was adjusted from a 1950 to a 1951 base and all data for 1952 and 1953 were recomputed. Much of the analysis of the resulting figures has been completed and it is anticipated that the preliminary summary reports for the year 1952 and 1953 will be ready for limited circulation early in May.

In an effort to increase the coverage of the sample, an additional 4,000 firms were contacted. Based on past experience, it was expected that approximately 800 new respondents would be added. At the end of March, returns had been received from approximately 600.

Organization and Planning

The analysis to determine the possibility of eliminating the survey of Actual Capital Expenditures, inaugurated earlier in the year, was completed. This phase of the study was concentrated on an appraisal of the ability of individual firms to report accurate figures on the preliminary survey. It was decided tentatively that, although in some industries the preliminary report would prove reasonably satisfactory, the actual survey could not be discontinued for all industries. Further investigation is required before a final decision can be reached.

An additional study to ascertain the reasons for the increase from the revised forecast to the preliminary figures of capital investment for the years 1950 to 1953 inclusive was undertaken. Many of the changes as published were due to wide fluctuations in capital expenditures as reported by a few large firms. It was concluded that improvement in reporting and further refinements in the processing of reported data would be necessary before consideration could be given to eliminating the mid-year survey.

Approximately 5,000 Nature of Business schedules were mailed to prospective new firms along with follow-up notices as required. Copies of reports received were sent to Central Files, Employment Section, Balance of Payments Section, Department of Defence Production and Department of Labour. In addition to the above, over 2,750 old delinquent firms were recontacted and about half of these submitted completed reports. During this period the

services of the regional offices were used for the first time in connection with the new firms survey, and of 1,1000 delinquent firms forwarded to the regional offices for action, 700 had reported by March 31, 1954.

Commencing during this period, semi-monthly tabulations of plant expansion of existing businesses and other industrial developments were completed and forwarded to the Employment Section and the Department of Labour. A total of 330 business expansions were included in these listings.

Examination of old files and correspondence taken over from the National Income Unit in connection with the Quarterly Survey of Corporation Profits, started during the first half of the year, was completed. This entailed the examination of approximately 3,000 files. The files were consolidated with material accumulated since the transfer of this survey to the General Assignments Division and formed a base for expanding the coverage in this survey.

HEALTH AND WELFARE DIVISION

Public Health

Continuing the work on the Canadian Sickness Survey, a special compilation was published, in collaboration with the Department of National Health and Welfare, on Family Expenditures for Health Services (Regional Estimates). The material for a further compilation on volume of sickness has been assembled and is ready for vari-typing.

The Weekly Summaries of Cases of Notifiable Diseases in Canada were published. Statistical tables were prepared on cases of venereal diseases for the semi-annual report of the Department of National Health and Welfare, Division of Epidemiology. The *Annual Report of Notifiable Diseases, 1952*, was published and the annual report for 1953 is in print. A historical summary of Notifiable Diseases in Canada, 1924 to 1952, has been prepared and will be ready for vari-typing shortly. Consultations were continued with the Department of Northern Affairs and National Resources, Northern Administration and Lands Branch, and the Department of National Health and Welfare, Indian Health Services, regarding the draft of a Public Health Ordinance and notifiable diseases reporting for the Northwest Territories. Reporting practices in the various provinces have been under study.

The annual report *Illness in the Civil Service, 1952-1953*, was published. Analysis was begun of tabulations of illness in nine selected departments. By the regular channelling of Form CSC-260 REV., it has been possible to bring the index of civil Servants reported ill up-to-date and to eliminate dead records.

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

An index for reference purposes of parent companies, branch and subsidiary companies was started. This should fill a need which has existed for some time. There is no other record of this nature in the Bureau. The index is being set up with complete cross-reference which will facilitate the location of the parent company of a branch plant or all the branch plants of a parent company. The work of compiling this index is still in progress.

Tables of economic indicators for use by the Economics Branch, Department of Trade and Commerce, were revised and kept up-to-date.

A number of special compilations were prepared for the Economics Branch, Department of Trade and Commerce, including wheat production and population statistics for all wheat producing countries over a number of years and imports into Canada from the United Kingdom during 1952 and 1953.

Monthly Branch Summaries and National Summaries have been completed on Visiting Nursing Services (Victorian Order of Nurses for Canada). The annual report for 1952 is in print.

Inquiries have been answered, providing statistical data, narrative, and description of the Bureau's activities in the health field.

Vital Statistics

The regular monthly report, *Vital Statistics*, was released for September to February, 1954. With the concurrence of the DBS Publications Board, the format and context of this report was revised slightly with the January, 1954, issue to permit comparison of 3-year instead of 2-year trends.

The balance of the 1952 vital statistics tabulations, based on a uniform tabulation programme agreed upon by the Vital Statistics Council at its spring meeting, 1953, were supplied to the provinces in accordance with Dominion-Provincial agreement.

The 1952 Vital Statistics (preliminary) annual report was issued. The 1949 Vital Statistics and 1950 Vital Statistics annual reports, were released and the 1951 Vital Statistics (annual) forwarded to the Printing Division. With the concurrence of the DBS Advisory Board of Publications, the context of the 1952 Vital Statistics (annual) report was drastically reduced, and the format completely revised, by rearrangement of the material, consolidation of existing tables, and elimination of figures which are considered too finely detailed or otherwise inappropriate to a national publication. Further, some of the detailed data and some data of local interest appearing in this report are duplicated in provincial vital statistics reports and are, therefore, generally available to health authorities, demo-

graphers, and the general public. In some cases, the report is to be supplemented by international comparisons of rates, and the addition of summary tables and charts and, possibly, some textual material not previously included. It is estimated that the present 450 page report will be thus reduced by one-half, at the same time increasing its present usefulness, and permitting its release much earlier in the year than is presently possible.

Investigation into the use of various photographic reproduction methods for vital records was continued in accordance with the request of the Vital Statistics Council that the Section continue its research into the most recent methods of photographic and direct reproduction adaptable to a vital statistics system.

The current monthly indexes of births, marriages, and deaths were routinely supplied to the Family Allowance Administration and to the provincial Vital Statistics offices. In co-operation with the Mechanical Tabulation Division, these are now being issued on a regular accelerated basis.

Coding and punching of current records for statistical purposes has also been accelerated. In co-operation with the provincial Vital Statistics offices, a programme of geographical precoding of records has been partially initiated which will permit acceleration of the coding procedures in the Bureau. A revision of the geographical code structure has also been initiated effective January, 1954, to facilitate the annual mechanical tabulation of data for local areas, and with a view to reducing present time-consuming work of transcription.

Institutions

The first volume of the *Annual Report of Hospitals, 1952*, was released. Financial schedules for virtually all hospitals for 1952 were received and work proceeded on the preparation of material for the second volume. The Manual of Instructions and Definitions was revised and issued to all hospitals. The *Annual List of Hospitals, 1953*, was released during the period.

The annual reports of Mental Institutions for the years 1951 and 1952 were published and material for the 1953 report was edited and coded preparatory to tabulation. A comprehensive new *Handbook of Mental Statistics* containing instructions and definitions together with educational and promotional matter was issued. Work proceeded on the task of bringing the age-sex census of resident patients up to date.

The annual reports of Tuberculosis Institutions for 1951 and 1952 were published and morbidity cards covering 1953 admissions and separations were coded on receipt.

Judicial

The two publications released during the period were the 1952 report of Police Statistics and the 1952 annual report of Juvenile Delinquents.

The 1952 annual report of Statistics of Criminal and Other Offences was being printed at the end of the period. Coding of the data for the 1953 Report of the Commissioner of Penitentiaries has been completed. About 90 per cent of the forms for compilation of the 1953 report of Police Statistics have been received. Coding of data for the 1953 annual report of Juvenile Delinquents is up to date.

About 90 per cent of returns for non-indictable offences have been received and the revision of forms and calculations are up to date. About 90 per cent of returns for indictable offences have been received. About 90 per cent of payments for Criminal Statistics schedules have been completed.

Statistical material was prepared in response to many inquiries regarding such subjects as capital punishment; corporal punishment; the number of convictions for certain provinces; violations of Section 207 of the Criminal Code; bicycle thefts; and juvenile delinquents brought to court, dismissed, adjourned sine die, and delinquents for certain provinces.

INDUSTRY AND MERCHANDISING DIVISION

Compilations for the 1952 Census of Industry were nearly completed at the end of March. About 120 annual reports were released or forwarded to the Composing Unit. The 55 monthly reports, 7 quarterlies and 2 weeklies were issued regularly. The demand for special tabulations and inquiries by letter and by telephone from industry, individuals, government departments, etc., continued to be very heavy. Considerable time was given to assembly of data for the Input-Output study for 1949. Schedules for the 1953 Census of Industry were mailed early in 1954, and the work of editing and compiling is proceeding satisfactorily.

General Manufactures Section

The following general reviews were published during the past six months: *Preliminary Statement of Manufactures, 1952*; *The Manufacturing Industries of Canada by Provinces, 1951*; *Type of Ownership in Manufacturing Industries, 1951*; *Foods and Beverages, General Review, 1951*. In addition, 12 industry reports for 1952, 1 preliminary report for 1953, and the usual 4 quarterlies and 3 monthlies were released. A new quarterly report on Bakery Products, covering about 250 of the larger establishments, was started in the first quarter of 1954.

Mining, Metallurgical and Chemical Section

Manuscripts for 61 annual industry reports, 10 annual commodity reports, 32 monthly reports, 1 quarterly report and 1 weekly report were forwarded to the Composing Unit or to the Printing Unit. A new monthly report on Iron Ore was started in January, 1954. A preliminary estimate of Mineral Production during 1953 was released on January 4, 1954, and a more comprehensive preliminary report was prepared and forwarded for printing.

Forestry Section

Six annual industry reports for 1951 and 10 for 1952 were released or forwarded to the Composing Unit, as well as the separate provincial reports on the lumber industry, except for British Columbia. The usual 7 monthly reports were issued on schedule.

At the request of the Asphalt Roofing Manufacturers' Association, the monthly questionnaire for asphalt roofing was redesigned to obtain additional details on the destination of shipments of roofing materials.

Fisheries Section

The *Monthly Review of Canadian Fisheries Statistics*, and the monthly report on *Cold Storage Holdings of Fish* were published as usual. The Canada section of *Fisheries Statistics of Canada, 1951* and the report on *The Fish Processing Industry, 1951* were released during the period.

Tabulations for the Census of Fisheries, 1951 were completed, and manuscript for Census Volume IX was forwarded to the Composing Unit.

Commodity Section

During this period, the Commodity Section converted all monthly indexes, covering value of manufacturers' shipments, inventories, and orders on hand, from an average 1947 base to a December, 1952, base. During the period of revision, the monthly publication "*Inventories, Shipments and Orders in Manufacturing Industries*" was maintained on the old basis, but in the publication for December, 1953, historical series on the new base were released, and the current publication of data on the December, 1952, base was established.

In connection with the Year-End Survey of Manufacturers' Inventories (used as a bench-mark for the sample monthly series, and for securing additional data not required on a monthly basis), some 9,000 schedules for December 31, 1953, were collected before the end of March, 1953. A matched sample of some 5,000 establishments was used to produce an estimate of total inventory for a National Income deadline of March 20.

Monthly estimates of gross value of manufacturers' shipments, by the 17 major industrial groups, were prepared but not published. However, many inquiries were answered from this material.

Animal Products Section

The regular monthly memoranda *Production of Leather Footwear; Statistics on Hides, Skins and Leather; Margarine Statistics; and Oils and Fats* were published.

The following annual reports covering the year 1952 were issued during the period: *The Process Cheese Industry; The Fur Goods and Fur Dressing Industries; Leather Products, General Review; The Leather Footwear and Leather Boot and Shoe Findings Industries; The Leather Glove and Mitten Industry; The Leather Tanning Industry; The Miscellaneous Leather Products and Leather Belting Industries*. This leaves only the Dairy Products Industries and the Slaughtering and Meatpacking Industries reports to be published for 1952. Both of these reports were being vari-typed at the end of the fiscal year.

A complete revision of the inventory figures of Lard and Edible Tallow was carried out in co-operation with the Cold Storage Unit of the Agriculture Division. A considerable amount of correspondence was entailed, as, in some cases, firms had been reporting their figures on a different basis to the two Divisions.

Several special compilations dealing with footwear production on a city and regional basis were made for the Tanners' Association and for La Fédération Nationale de Cuir et de Chaussure Inc. Data on the production and consumption of margarine from 1949 to 1953 were compiled and supplied to the National Council of the Baking Industry. Other special compilations dealt with a five-year series of wettings and stocks of hides and skins and the production of felt footwear for two firms in the industries concerned.

Merchandising and Services Section

The following annual reports were published during the six months under review. *Retail Chains; Motion Picture Production (Final Report); Motion Picture Theatres, Exhibitors and Distributors; Hotels; Laundries, Dry Cleaners and Dyers; Operating Results and Financial Structure of: Food Stores; Clothing Stores; Hardware, Furniture, Appliance and Radio Stores; Filling Stations and Garages; General Stores; Restaurants; Fuel Dealers; Drug Stores; Jewellery Stores; Tobacco Stores*.

This completes all the 1952 annual reports, except *General Review of Retail Trade*, which is now being vari-typed.

The 1953 annual report *New Motor Vehicle Sales and Motor Vehicle Financing* is being printed.

The 7 monthly reports, 1 quarterly report, and 2 weekly reports were published on schedule.

Following the completion of the 1951 retail portion of the Census of Distribution, a new sample for retail estimates has been selected. It includes some 10,500 retail stores. Mailing lists have been established, addressograph plates prepared, and the initial mailing is now in process of preparation.

The old sample of approximately 7,000 firms is still being used to provide current monthly estimates on retail trade and will be used for another 4 or 5 months.

From the "new sample", selection of approximately 4,000 was made to provide a reporting panel for a new retail inventory survey. This project will be run concurrently with the new retail sales' sample survey.

Initial runs have been made from the 1951 Census Hollerith cards to establish basic data from which to select a new sample for the consumer credit survey.

All annual questionnaires for 1953 surveys have been mailed and follow-up procedures carried out on schedule.

Census of Distribution

The tabulations for Census Volumes VII (Retail) and VIII (Wholesale and Services) were completed, and practically all the manuscript was forwarded for vari-typing. Two preprint reports on Wholesale Trade were released—one giving the regional figures on the number of stores and total sales, and the other giving data on sales, employment, payrolls, and stocks, by types of business and by province.

INFORMATION SERVICES DIVISION

Canada Year Book

During the six months ended March 31, 1954, work on *The Canada Year Book 1954* was almost completed. All signatures, with the exception of the last two were passed for press by the end of March and plans for *The Canada Year Book 1955* were under way.

Ten reprints of sections of the 1954 *Canada Year Book* were prepared for the printer, these having been requested by other divisions of the Bureau or other government departments.

In the six months under review, the preparation of the handbook *Canada 1954* was undertaken. In September and October illustrative material was secured, selected and prepared for the engraver. Clippings of the textual material were sent out in October and November and all the copy was assembled, edited, and forwarded to the printer before the end of January. Galleys were corrected and the dummy make-up was completed by March 2.

Compilations and layouts were prepared and the final checking completed for 15 maps and charts to be used in *The Canada Year Book 1954*.

Work was continued on a number of compilations to be used in Section V of the Atlas of Canada project. Mapping data and layouts for eight maps and twenty individual charts were completed and sent to the Atlas Committee.

Compilations and layouts were prepared and the final checking completed for six maps and charts for the Canadian Geographical Society.

Material was collected and co-ordinated for the Revue published by the International Institute of Statistics.

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 national and international almanacs, year books, and annuals: *Canadian Al-*

manac and Directory, Moody's Manual of Governments and Municipalities, Statesman's Year Book, New International Year Book, Statistical Summary for Calendar Map for Rolph-Clark-Stone Limited, British Columbia Directories Limited, Stock Exchange Official Year Book, Material for Algebra for MacMillan Co. of Canada, Empire and Commonwealth Year Book, International Thrift Institute of Amsterdam, Canadian Section of the Political Handbook of the World, Joint Brazil-United States Economic Development Commission, and World Book Encyclopedia.

Special material was prepared for the first Canadian section of *Debrett's Peerage* of London, England, and for a brochure on Nova Scotia to be published by the Canadian Geographical Society.

During the six months approximately 125 general inquiries from Canada and abroad were answered, varying in nature from minor requests to those requiring special attention and research.

Press and Publicity

The record of uninterrupted publication of both English and French editions of the *Daily Bulletin* each working day was maintained in the period, but due to the change to the five-day week the number of issues was down sharply to 126 from 151 the previous year. Issues of the *Weekly Bulletin* were unchanged at 26. The number of reports, memoranda, and reference papers reviewed in their preparation and listed in each bulletin declined to 671 from 741, the difference being largely accounted for by the numerous Census preprints in the corresponding period last year. This decline was more than offset, however, by the number of special printed statements (not listed) received for review and of special releases for publication in the bulletins only. The net result was an increase of about six per cent in the aggregate wordage, and a substantial increase in the average daily wordage and the size of daily issues.

The Section continued to prepare the Weekly Supplement to the *Canadian Statistical Review* and a weekly sheet of news notes as a supplement to

the three bulletins. Reflecting the interest in the latter, several inquiries were received for collections of notes on certain subjects and also proposals for enlargement of this feature.

Due to increased demand, a second printing of the 1953 issue of the list of *Current Publications* became necessary early in the period, bringing the total to 10,000. Revision of the current list for the 1954 edition was carried out in consultation with Divisions during the closing weeks of the period. Work was completed on checking entries and typing and cross-checking the copy for the detailed Index to the contents of Bureau publications, designed to serve as a supplement to the list of *Current Publications*.

Special work was done in the preparation of an article and reference material on federal government sources of marketing data—in which the Bureau holds the largest place—for use in a projected publication on marketing in Canada being prepared under the auspices of the Canadian Chapters of the American Marketing Association. Officers of various departments co-operated to give a comprehensive coverage. Assistance was given to a writer of the *Financial Post* for a special full-page article describing the services of the Bureau, and a variety of information and material such as charts and photographs supplied for special newspaper issues and articles and for trade paper use. Inquiries from the daily press were somewhat fewer than last year, but those from business papers were more numerous, particularly for detailed data, evidently reflecting increased marketing competition.

INTERNATIONAL TRADE DIVISION

Foreign Trade

The regular monthly *Imports and Exports Reports* of the *Trade of Canada* were prepared and issued. During the period, considerable progress was made in advancing the release date of the *Imports Report*. Quarterly reports, *Articles Exported to each Country* and *Articles Imported from each Country* were issued covering the nine months' period and for the year 1953.

Printers' copy of Volume II (Exports) of the *Annual Report of the Trade of Canada, 1953* was prepared and vari-typing was completed by the Composing Unit. Proof-reading and correction of the Report is nearing completion. Most of the tables for Volume I of the Report were prepared and copy sent for vari-typing.

Arrangements were completed whereby the Department of National Revenue will deliver copies of all import entries to this Section. These copies will be used to prepare trade statistics and will be retained on file in the Section for reference. The new arrangement takes effect on April 1st, 1954.

Publications Distribution

The total number of letters received in the period was 10,902, 5,890 of which contained money. The total revenue received in the Bureau amounted to \$23,890.34, of which \$22,959.89 was deposited to the Department of Trade and Commerce; \$240.34 to the Department of Public Printing and Stationery. The balance, \$690.61, consisted of adjustments.

During the six-months period the Bureau issued 141 Reports, 17 Memoranda, and 30 Special Compilations of which 144 were in English, 3 in French and 41 were bilingual. The methods of reproduction were as follows: Letter Press, 8; Harris Press, 56; Rota Press, 86; and Davidson, 38.

Approximately 605,300 addressograph impressions and 3,700 addressograph plates were made. Circulars mailed numbered 6,000.

Library

The transfer of catalogue cards to the new catalogue case was completed, considerable revision of cards in the subject section carried out, and a large number of new cards filed. The purchase of Library of Congress catalogue cards has been instituted as a means of speeding up the work of cataloguing United States publications.

A centralized current periodical section has been organized for filing purposes, while the periodical records have been completely transferred to Kardex.

The collection of DBS publications has been reorganized to permit filing bulletins under the name of the issuing Division and Section thus facilitating the location of items as required.

A sharp increase occurred during the period in the number of regular trade statistics provided on a service charge basis. These increased to approximately 4,300 statements from 3,100 in the previous half-year. In addition, the number of letters requesting trade information increased to over 800. There were 212 stencils and 200 pages of photocopy prepared.

While the number of import entries received declined to around 1,705,000 this total remained not much below the peak reached in the previous half-year. The number of export entries received, 628,000, was slightly higher than in the previous half-year.

Balance of Payments

The special report, *The Canadian Balance of International Payments in the Postwar Years, 1946-1952* was published in this period, also First Estimates of International Travel Expenditures in 1953, and the Review of Trade in Securities Between Canada and Other Countries in 1953. The fourth quarter issue of the new quarterly report on the Ca-

Canadian Balance of International Payments provided a medium for issuing preliminary statements for 1953 early in the year. This also was a means of presenting data on the balance of payments used later in the Budget "White Paper".

A further extension of sampling procedures was introduced in the calculations of international travel statistics to facilitate the flow of work without any significant loss of information.

Among the new statistics collected for the balance of payments was information on international payments of air lines and trade unions which have attained proportions of significance in the miscellaneous item of the current account.

Special work included assistance to the International Monetary Fund in reviewing the presentation

of Canadian statistical data in the *Balance of Payments Year Book* published by that organization.

Trade Analysis

The Review of Foreign Trade First Half 1953 was published and included a special discussion of seasonal fluctuations in foreign trade with two new statistical series isolating the average seasonal behaviour of import and export totals for the postwar period. Articles were prepared for *Canada 1954* and *Foreign Trade*.

The Division continued to participate in the Bureau's exploration of commodity classification problems directed towards developing a standard commodity classification for general Bureau use.

LABOUR AND PRICES DIVISION

The first results of a continuous small sample family living expenditure survey were published in three brief memoranda providing monthly commodity detail on food expenditures for the period September 1952-December 1953. Progress was made also in the development of monthly estimates of paid workers classified by industry and province.

Employment and Earnings

Revision of the monthly index numbers of employment, payrolls, and average weekly wages and salaries on a 1949 base was completed. A report issued in November carried back the principal series of employment indexes from June 1, 1953 to 1921, with general payroll and average earnings figures to 1939, the earliest year for which such data are available. More detailed industrial and area statistics of employment and earnings were given from January 1, 1949. This bulletin replaced a 1952 annual review of employment and payrolls. The new record incorporated data for Newfoundland from 1950. The former series, on the 1939 base, was discontinued following the first release of index numbers calculated on the 1949 base.

The work of collecting and processing questionnaires obtained in the annual survey of earnings and hours of work in manufacturing in October 1953 was almost completed by the end of March. This inquiry, calling for a distribution of men and women wage-earners and salaried employees in sixteen classes of earnings in the week surveyed, with a statement of their hours and weekly earnings, received an unusually good response from industrial establishments.

Preparation of tables and other material for 1953 annual reviews of employment and payrolls and man-hours and hourly earnings was commenced in March 1954.

As usual, numerous inquiries were received from employers, trade union officers, and many other sources for published and unpublished industrial and area data on employment, earnings, and hours.

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. A new monthly report entitled *Statistical Report on the Operations of the National Employment Service*, replacing several reports currently compiled, was completed.

Monthly reports on *Benefit Years Established and Terminated* were issued regularly. The report *Current Benefit Years under the Unemployment Insurance Act* for the calendar year 1952 was made ready for printing. Tabulations for the calendar year 1953 were in progress.

The semi-annual report on *Hiring and Separation Rates in Certain Industries* for the period March 1951 to February 1953 was published.

A special bulletin entitled *The Employment and Salary Characteristics of the Insured Population*, based on actuarial sample material for the years 1941-1946 inclusive, was completed.

The Assistant Chief and a senior member of the staff of the Section visited offices of the Unemployment Insurance Commission in the Quebec Region to explain the relationship between the Section and the U.I.C., and to discuss problems encountered in completing statistical documents for processing by DBS.

Prices

Regional consumer price indexes were released for a revised list of cities on the postwar base 1949=100. A series was added for Ottawa for the first time and two composite indexes were introduced, viz., Saskatoon-Regina and Edmonton-Calgary. Publication of cost-of-living indexes for the Dominion and the eight regional cities was discontinued with the release of September 1953 indexes. Conversion of historical series of retail price indexes and relatives from a prewar base to the base 1949=100 was practically completed.

Several research projects in the field of retail prices were undertaken in connection with the improvement of collection and calculation techniques. These included work on pricing techniques for home-ownership costs and a revision of the electricity rates index.

In the field of wholesale prices, study of alternative systems of classification of commodity prices was continued. The Chief of the Section was a discussant of two papers given on this problem during the annual meeting of the American Statistical Association in Washington, D.C. Several meetings of a divisional committee were held to examine concepts connected with a programme of wholesale price index revision. Some progress was made during the six months ending March 31, 1954 towards the construction of indexes of machinery and equipment and electrical apparatus and supplies.

A survey of users of Bureau indexes of farm products prices was conducted in December last and the results tabulated.

In the International Prices Unit, indexes related to prices paid by Department of National Defence

personnel in Europe were calculated for the first time. In connection with these indexes, the Statistician-in-Charge visited a number of National Defence Department establishments in Europe. Continuing the programme of gaining first-hand knowledge of living conditions encountered by personnel serving abroad, the Section Chief visited three posts in Central America and the Statistician-in-Charge visited all posts in South and Central America.

The Prices Section Commodity Officer visited several manufacturing plants in the Ottawa area and two regional offices to advise on problems of pricing by specification.

The regular production of the Section was maintained with the volume of incoming correspondence requesting price indexes registering a slight decrease as compared with the previous six months. However, during the period under review statements on possible conversion methods were provided to a large number of correspondents who requested assistance in revising contracts from use of the Cost-of-Living Index to use of the Consumer Price Index.

MECHANICAL TABULATION DIVISION

Regular monthly tabulations relating to the following were carried out: Tourists, Employment and Payrolls, Manhours and Wages, Exports, Imports, Building Permits, Shipping, Housing Starts and Completions, National Film Board Distribution, Victorian Order of Nurses, Immigration, Immigration Forecast, U.I.C. Benefits Established, U.I.C. Benefits Terminated. The normal monthly indexes of Births, Marriages, Deaths, and Immigration were also provided.

The following tabulating programmes were completed: 1952 Manufacturing, 1954 Forecast of Repair and Capital Expenditures, 1952 Actual Repair and Capital Expenditures, 1953 Exports, 1953 U.I.C. Benefits Established, 1953 U.I.C. Supplementary Benefits, 1953 U.I.C. Corpus, 1952 Indictable Crimes, 1952 Birth Statistics, 1952 Marriage Statistics.

An Index, using Soundex Code, of the population of Montreal Island during the 1921 Census was completed. This index is now being studied to determine whether a complete index for the 1921 population of

Canada should be prepared, arranged alphabetically by Surname or by Soundex Code. Tabulations relating to statutory, sick, and other leave in the Dominion Bureau of Statistics were completed. Tabulating work was also undertaken for the Department of Northern Affairs and Natural Resources, the Department of Agriculture, the Department of National Health and Welfare, the Civil Service Commission, the Canadian Teachers Federation, and the Chemical Institute of Canada.

Tests carried out under actual working conditions on new key punching and key verifying machines proved very satisfactory and, accordingly, a plan to replace all older models of these machines with the latest models has been approved. The new features of these machines together with their increased speed of operation will result in a considerable saving which will be reflected in a reduction of machines and operators.

During the last half of the year 5 key punching machines, 3 key verifying machines and 3 sorting machines were released resulting in a considerable saving in machine rentals and operator salaries.

PUBLIC FINANCE AND TRANSPORTATION DIVISION

Federal and Provincial Finance Section

The following publications were released during the period: *Preliminary Analysis of Revenue and Expenditure of Provincial Governments, 1952*; *Financial Statistics of Provincial Governments, 1951 - Direct and Indirect Debt*.

Apart from the routine statistical series, a number of special assignments were carried out. Brief mention of some of these follows.

A comparative study was made of some of the differences between the concepts applied by the U.S. Bureau of the Census and by this Division in the preparation of combined finance statistics.

At the request of the Comptroller-General of British Columbia, object classification of expenditure as recommended by, (a) the State of New York, (b) the Province of British Columbia, and (c) the Dominion-Provincial Conference on Provincial Finance Statistics, were compared for the purpose of

advising the Province of British Columbia concerning possible revisions to the classification then in use.

Discussions were held in Toronto, Winnipeg, Regina, Edmonton, and Victoria with provincial officials concerning improved methods of obtaining data required for provincial finance, national income, and public investment statistics. While in Victoria, assistance was given in relation to the British Columbia Government's plans to implement some of the recommendations made by the Dominion-Provincial Conferences on Provincial Finance Statistics.

Work was proceeded with in the matter of the transfer of the report, *The Control and Sale of Alcoholic Beverages*, in Canada to this Section.

Changes in personnel of the Section and pressure of other work has prevented any real progress in the field of finance statistics of the Government of Canada, and combined governments.

Municipal Finance Section

The annual report *Financial Statistics of Municipal Governments, 1951* was completed and published. The classification of data was, for the first time, based on the revised edition of the *Manual of Instructions on Municipal Accounting and Reporting* published by the Bureau in 1950. Work was almost completed on the Memorandum *Financial Statistics of Municipal Governments - Interim* for the year 1952, and processing for the 1952 annual report was well under way at the end of the period.

The Sixth Dominion-Provincial Conference on Municipal Statistics was held October 26th to 28th, being immediately preceded by a meeting of the Continuing Committee. Preparations were extensive, including the Report and Supplementary Report of the Committee. The Verbatim and Condensed Reports of the Conference were completed and prepared for printing and work was commenced on implementing the recommendations of the Conference.

A survey of municipal capital, repair and maintenance expenditures for 1953 and 1954 was carried out for the General Assignments Division.

Government Employment Section

The form of the monthly publication of Federal Government employment data was changed from Special Compilation to Memorandum, effective November, 1953.

Plans are nearing maturity for a new analysis of all governmental data based on the application of the Standard Industrial Codes to all Federal and Provincial governmental services.

During the six-months' period, fifteen special requests were received involving partial reanalysis of governmental employment data. The regular monthly reports *Federal Government Employment and Payrolls* were published during the period and compilation of similar data for provincial governments on a monthly basis was continued for the use of other Bureau Divisions.

Transportation and Public Utilities Section

As a preliminary step toward improved road transport statistics, a sample survey of motor transport in the Province of Manitoba has been organized. Arrangements for the survey were effected following meetings in Winnipeg in February with representatives of the Manitoba Automotive Trucking Association authorities concerned. Forms for the survey, which will cover a full year, are about to be distributed. Results from one-sixth of the sample will be tabulated every two months.

The revised classification of commodities for railway freight statistics, which was prepared in co-operation with the Railway Association of Canada and railway representatives, went into effect January 1, 1954. This constitutes a further contribution toward improving railway freight statistics, a subject which is under constant review.

In the field of hydro electric power statistics, a requirement for forecast surveys of capacity and capability of the hydro electric power industry resulted in the institution of exploratory meetings between the government departments concerned and representatives of the Canadian Electrical Association and the Ontario Hydro Electric Power Commission.

Representatives of the Bureau of Statistics and Canadian Power interests subsequently met with officials of the Edison Electrical Institute in New York to discuss the valuable experience which this institution has had in developing similar statistics in the United States. Canadian statistics are expected to be developed along lines resulting from these discussions.

Further discussions took place in relation to the proposed revision of railroad accounting methods to be prescribed by the Board of Transport Commissioners. Special meetings were held with the Board of Transport Commissioners concerning railway traffic statistics.

Studies were undertaken in conjunction with the Department of Transport to consider the desirability of revising the system of providing canal statistics. A method of obtaining forecasts of crude petroleum exports was approved and is being put into use.

Monthly shipping data were prepared for the United Nations. Special tabulations of shipping data were also prepared for the Canadian Maritime Commission and the Department of National Defence. Special statistics were compiled for the International Ice Patrol.

As well as such annual reports as *Railway Transport, 1952*; *Motor Vehicle, 1952*; *Telephone Statistics, 1952*; *International Bridges, and Tunnels, 1952*; *Pipe Line Statistics 1950, 1951 and 1952*; *Shipping Report, 1952 - Part III*; *Water Transport, 1952*; *Aviation, 1952* - quarterly and monthly reports covering the field of transportation and utilities were produced. Representatives of the transportation and public utilities industries as well as the unions were visitors to the Section.

RESEARCH AND DEVELOPMENT DIVISION

National Income and Related Work

The early part of the period was given over to the task of editing the proofs of and issuing the major quarterly report *National Accounts, Income and Expenditure, by Quarters, 1947-1952*, (issued in November 1953). The release of quarterly estimates of Gross National Product and Expenditure and Personal Income and Expenditure in terms of current dollars, constant dollars, and on a seasonally adjusted basis, fills an important gap in the statistics available for studying current economic trends. The completion of this project in 1953 was the result of a long period of experimentation and development. In addition, a supplement to this major publication was prepared and issued at the same time covering the first and second quarters of 1953 (*National Accounts, Income and Expenditure, First and Second Quarters 1953*). The third and fourth quarter reports were issued in December, 1953 and March, 1954, respectively.

The preliminary 1953 annual estimates were prepared and issued in *National Accounts, Income and Expenditure, Preliminary 1953* (February 1954). Prior to publication by the Bureau, the 1953 material was made available to the Bank of Canada for use in its annual report. In March, additional tables and charts and revised 1953 data were prepared for the White Paper giving the economic background to the annual Budget Speech. Discussions were held with officials of the Department of Finance on the presentation of this material.

Six articles on current economic conditions were prepared for the *Canadian Statistical Review*. Articles on economic conditions at the close of 1953, and on national income were prepared for publication in *Canada 1954*.

Members of the Section prepared reports reviewing the progress and proposed programme of research in their various sectors. This material was incorporated in a major report which served as the basis for discussion by the Interdepartmental Advisory Committee on Economic Statistics which met in March. Members of the Section attended this meeting in order to review the progress of the work in their respective fields, and to discuss the future programme of research.

Work progressed on a number of continuing research projects. The inter-industry commodity flow study for the year 1949 was carried a stage further, with much of the work now being well advanced. A study of the commodity import content of the various components of Gross National Expenditure was substantially completed for the year 1948. The development from survey data of income size distributions for the year 1951 was carried forward and is ex-

pected to be ready for publication in 1954. Plans were completed for the publication of the quarterly corporation profits survey on a continuing basis in 1954. Exploratory work was begun on the seasonal adjustment of a number of key monthly series. Work continued on the improvement of inventory statistics, with particular reference to holdings of independent retailers for which a new sample survey was designed in collaboration with the Industry and Merchandising Division.

Business Statistics Section

A preliminary 1953 annual estimate and two quarterly estimates of real output by industries for all sectors of the economy were prepared for analysis and as an overall check on the estimates of Gross National Expenditure in constant dollars.

The work on bench-mark indexes of industrial production for the period 1946-1951 on the new base of 1949=100 is nearing completion. Work was continued on the preparation of real output indexes for all industries of the economy for the period 1935-1951. As research in the commodity-producing sector is practically completed, emphasis was placed on obtaining satisfactory data for the service industries preparatory to calling a meeting of the interdepartmental panel on real output to review the work and discuss plans for publication.

The first Supplement to the *Canadian Statistical Review* was published in late December. This report presented, for all tables published in the monthly bulletin, annual data extending from 1952 back to 1926 or the earliest year for which figures are available, and monthly data for the last three complete years.

The report, *Survey of Production, 1938-1951* was published. Special articles and tables for the *Canada Year Book* and the *Handbook Canada 1954* on this subject were prepared. The annual report *Cheques Cashed in Clearing Centres, 1953* was published.

The preparation and editing of the tables for the monthly and weekly editions of the *Canadian Statistical Review* was continued as was the computation of the currently published *Index of Industrial Production*. Six monthly reports on *Cheques Cashed in Clearing Centres* and two quarterly bulletins on *Commercial Failures* were also issued.

Progress reports on Real Output and on Productivity were prepared for discussion at the meeting of the Interdepartmental Advisory Committee on Economic Statistics. Papers on these two subjects were also read by officers of the Section before the Economic Seminar of the Bureau.

SPECIAL SURVEYS DIVISION

Regional Offices

The Regional Offices organized and carried out the field work for Labour Force Surveys 40, 41, 42, 43, 44, and 45 during the period October 1, 1953 to March 31, 1954. The new sample based on 1951 Census data was introduced in the field in Nova Scotia and New Brunswick. In Ontario the preliminary field work was completed and part of the new sample brought in. The series of monthly surveys on family expenditures and incomes was completed in December, 1953. A comprehensive survey on the same subject covering the whole of the year 1953 was carried out in January. The collection of 1952 reports for other divisions of the Bureau was completed in the period. A field test of proposed revised census population and agriculture schedules was carried out in March.

Field Administration

Enumerators' claims were processed and cheques dispatched for six Labour Force Surveys, the Survey of Starts and Completions, the Surveys of Family Expenditures, Prices Collection and Collection of Overdue Reports from Business and Industrial Establishments. Regular monthly accounts for Regional Office staff were received and cleared with the Accounts Section of the Bureau. The remainder of the annual overdue reports collected by the Regional Offices were processed and turned over to the divisions concerned. Collection dockets for monthly and

quarterly reports for other divisions were distributed to the Regional Offices as received and reports as collected were forwarded to the originating divisions.

Operations

The regular programme of processing Labour Force Survey material has been maintained and the results have been made available in press release form within 4½ weeks of the start of enumeration for each survey. Surveys 39, 40, 41, 42, 43, and 44 were edited and processed and a start was made on survey 45, the results for which are to be released in April. The data from the Survey of Household Facilities and Equipment carried out in conjunction with Survey 39 were compiled and release was made in a regular report. The rental index was compiled up to February, 1953, and the monthly Survey of Starts and Completions was processed.

Sampling and Analysis

The rotations within rural and metropolitan areas of the Labour Force Sample were continued during the period. The selection and mapping work for the revised sample based on 1951 Census data were completed for the Provinces of Ontario and British Columbia. The Section provided technical assistance for two Divisions of the Department of Health and Welfare: an experiment was designed for the Occupational Health Division to test the effect on film development of different positions in a tank of developer; for the Nutrition Division the Section prepared the distribution of weights and the tabulation programme for the Height and Weight Survey.

REPRESENTATION AT MEETINGS AND CONFERENCES

The Dominion Statistician attended a meeting of the International Labour Organization at Geneva, January 25-29, as Statistical Expert from Canada. He also attended the annual meeting of the American Statistical Association at Washington, December 27-31, at which he was elected President of the Association for 1954, and the Tenth Session of the Executive Committee of the Inter American Statistical Institute at Washington in February. He organized and attended several meetings of a Local Arrangements Committee to prepare for the next annual meeting of the ASA to be held at Montreal in September, 1954.

The Dominion Statistician presided at the Sixth Dominion-Provincial Conference on Municipal Statistics held, October 26-28 and at the Sixth Dominion-Provincial Conference on Agricultural Statistics, November 26-27, both held in the Bureau. He also presided at a meeting, in March, of representatives of various organizations and interested government departments to discuss the desirability of continuing the forecast surveys of the hydro electric power industry, previously carried out by the Department of Defence Production, and the co-ordination of these surveys with the work of the Bureau in the field of the Bureau in the field of electric power statistics:

and at a meeting, in March, of the Executive to form an Ottawa Chapter of the Canadian Political Science Association. He addressed the Peterborough Chapter of the Society of Industrial and Cost Accountants and participated in the Seminar on "Social Implications of the 1951 Census" held at the University of Toronto in November.

The Assistant Dominion Statistician attended several meetings of the Local Arrangements Committee for the next annual meeting of the American Statistical Association. In November he gave a lecture at the University of Montreal on mortality trends in Canada and the work of DBS in the field of public health.

Agriculture Division

The Director was a member of the Canadian Delegation to the annual conference of the Food and Agriculture Organization held at Rome, Italy, November-December. Senior officers of the Division attended the U.S. Department of Agriculture Outlook Conference at Washington in October, and the annual Dominion-Provincial Conference on Agricultural Production and the annual Dominion-Provincial Conference on Agricultural Statistics, both held at Ottawa in November.

Census Division

Three officers of the Division attended a seminar arranged by the University of Toronto to consider "Social Implications of the 1951 Census". Three officers attended training meetings in Washington and observed the enumeration in connection with a test Census of Agriculture.

Health and Welfare Division

Senior officers of the Division attended meetings of the following organizations; The Canadian Welfare Council at Toronto; Canadian Public Health Association at Toronto; International Conference of National Committees on Vital and Health Statistics at London, England; Alberta Hospital Association at Edmonton; Ontario Hospital Association at Toronto; Maritime Hospital Association at Moncton; American Public Health Association at New York; American Statistical Association at Washington; WHO Advisory Group on Classification of Disease at London, England; United States Public Health Conference on Records and Statistics at Washington; and the University of Toronto Seminar on "Social Implications of the 1951 Census."

Industry and Merchandising

Senior officers of the Division attended the annual meetings of the following organizations: National Council of the Baking Industry at Montebello; Institute of Canadian Trade Executives at Ottawa; Canadian Pulp and Paper Association at Montreal; Canadian Lumbermen's Association at Montreal; The Forest Products Research Society at Ottawa; Canadian Food Processors Association at Ste. Marguerite; Canadian Prospectors and Developers Association at Toronto; also the Controllers Conference, Canadian Retail Federation at Montreal; and the Canadian Shoe and Leather Fair at Montreal.

International Trade Division

The Director and an officer of the Balance of Payments Section represented the Bureau at the Eighth Federal-Provincial Tourist Conference at Ottawa in December.

Labour and Prices

The Chief of the Prices Section attended the annual meeting of the American Statistical Association. He also addressed two meetings of Local (Canadian) Chapters of the Society of Industrial and Cost Accountants.

Mechanical Tabulation Division

One of the senior supervisors attended the International Business Machines Customer Administrative School at Endicott, U.S.A. during the week of December 14-18.

Public Finance and Transportation Division

The Director addressed the annual convention of the Canadian Good Roads Association held at Victoria, in October, on the subject "Developments and Problems in Road Transport Statistics". He also addressed the Canadian Automotive Transport Association at its first annual meeting, held at Ottawa in November, on "The Work and Interests of the Dominion Bureau of Statistics" in the Field of Road Transport Statistics".

The Director and senior officers of the Division attended the Sixth Dominion-Provincial Conference on Municipal Statistics, October 26-28.

Research and Development Division

The Chief of the National Income Section attended the annual meeting of the American Statistical Association. A senior officer of the Division attended the Conference on Research in Income and Wealth at New York in October.

VISITORS TO THE BUREAU

In addition to the officials participating in the several Conferences held in the Bureau during the period under review, many officials of federal and provincial government departments, government officials from other countries, officers of business firms, and others visited the Bureau in connection with statistical problems in their respective fields. Persons from other countries who studied the Bureau's organization and methods during the period under review included Mr. C.K. Dilwali of the United Nations Statistical Office, Mr. Keyaw Win of Burma, and Mr. and Mrs. Mourad of Egypt.

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