APPENDIX A

STAFF OF THE COMMISSION

RESEARCH STAFF

B. R. Blishen
Director of Research

R. Kohn
Assistant Director of Research

H. Alexis
K. J. Barnes*

M. Chevrier
G. F. Boreham*

S. Judek*
J. L. MacDougal
F. Paltiel*

Research Associates and Assistants

CONSULTANTS TO THE COMMISSION

M. G. Taylor
J. J. Madden
Pierre Jobin, M.D.
Research Consultant
Economic Consultant
Medical Consultant

ADMINISTRATIVE STAFF

H. M. Roney
Acting Secretary

C. Alary
J. Jacobsen
H. Maley
J. Armstrong
E. Jones
S. Richard
L. Culpan
J. LaBelle
G. Robertson
E. Dawe
C. Lam
C. Roney
R. Dupuis
P. Laurin
F. Seguin
V. Watkins

* Research Associates.

1 See Volume I, Appendix C, for staff prior to March 31, 1964.
APPENDIX B

STUDIES PREPARED FOR THE COMMISSION

*Study Title*

Medical Education in Canada

Medical Manpower in Canada
Group Practice

Dental Manpower in Canada
Dental Education in Canada
Utilization of Dentists in Canada

Nursing Education in Canada
Utilization of Nurses in Canada
Sociological Factors Affecting Recruitment into the Nursing Profession

Pharmacist Manpower in Canada
Recruitment, Education and Utilization of Pharmacists in Canada

Paramedical Manpower in Canada

Study of Chiropractors, Osteopaths and Naturopaths in Canada

Psychiatric Care in Canada: Extent and Results
Trends in Psychiatric Care
Tuberculosis in Canada
Health Status of the Canadian People

*Study Directors and Associates*

Dr. J. A. MacFarlane
Dr. R. C. Dickson
Dr. R. Dufresne
Dr. G. H. Ettinger
Dr. J. W. Macleod
Dr. J. F. McCreary
Dr. S. Judek
Dr. J. A. Boan
Dr. B. McFarlane
Dr. K. J. Paynter
Dr. O. Hall
Dr. Helen K. Mussallem
Dr. Muriel Uprichard
Dr. R. A. Robson
Mr. T. M. Ross
Prof. F. A. Morrison
Mr. A. D. Boyd
Dr. D. Mills
Dr. A. Richman
Dr. D. G. McKerracher
Dr. G. J. Wherrett
Dr. R. Kohn
Voluntary Health Organizations in Canada
Organized Community Health Services
Emerging Patterns in Health Care
Economics of Health
Public Finance Aspects of Health Services
Canadian Economic Growth
National Health Grants Programme
Voluntary Medical Insurance and Prepayment
Report on the Provision, Distribution, and Cost of Drugs in Canada

Dr. Elizabeth S. L. Govan
Dr. J. E. F. Hastings
Dr. R. Kohn
Dr. J. J. Madden
Dr. E. J. Hanson
Dr. T. M. Brown
Dr. E. B. Inlow
Dr. C. H. Berry

Department of National Health and Welfare, Research and Statistics Division
APPENDIX C

LIST OF TEXT TABLES

CHAPTER 2

PHARMACISTS

<table>
<thead>
<tr>
<th>TABLE</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-1</td>
<td>Population-Licensed Pharmacist Ratios, Canada and Provinces, 1955 and 1962</td>
<td>24</td>
</tr>
<tr>
<td>2-2</td>
<td>Percentage Distribution of Population and Licensed Pharmacists, by Size of Locality, Canada, 1962</td>
<td>26</td>
</tr>
<tr>
<td>2-3</td>
<td>Graduates of Canadian Schools of Pharmacy, 1948-1963</td>
<td>27</td>
</tr>
<tr>
<td>2-4</td>
<td>Undergraduate Pharmacy Student Enrolment, by Sex, and as a Percentage of Total Undergraduate Enrolment, Canada, 1947-48 to 1963-64</td>
<td>28</td>
</tr>
<tr>
<td>2-5</td>
<td>Projected Requirements and Expected Supply of Pharmacists, Canada, 1966 and 1971</td>
<td>35</td>
</tr>
</tbody>
</table>

CHAPTER 3

SELECTED PROFESSIONAL, TECHNICAL AND OTHER HEALTH PERSONNEL

<table>
<thead>
<tr>
<th>TABLE</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-1</td>
<td>Paramedical Personnel and Bed Capacity and Patient-Days per Paramedical Personnel in Reporting Hospitals, by Type of Hospital, Canada, 1953 and 1961</td>
<td>42</td>
</tr>
<tr>
<td>3-2</td>
<td>Ratios of Bed Capacity and Patient-Days per Paramedical Personnel in Public General Hospitals, by Size of Hospital, Canada, 1961</td>
<td>45</td>
</tr>
<tr>
<td>3-3</td>
<td>Selected Professionally Qualified and Non-Qualified Personnel and Percentage Employed Part-Time in Public Hospitals, Canada, 1953 and 1961</td>
<td>47</td>
</tr>
<tr>
<td>3-4</td>
<td>Vacancy Rates for Full-Time Selected Professional and Technical Staff in General and Allied Special Hospitals, Canada, 1961</td>
<td>48</td>
</tr>
<tr>
<td>3-5</td>
<td>Projected Requirements and Supply of Selected Full-Time Professional and Technical Staff Employed in Hospitals, Canada, 1966 and 1971</td>
<td>66</td>
</tr>
<tr>
<td>3-6</td>
<td>Population-Optometrist Ratios and Estimated Requirements for Optometrists, Canada and Provinces, 1961</td>
<td>72</td>
</tr>
<tr>
<td>3-7</td>
<td>Projected Requirements and Supply of Optometrists, 1966 and 1971</td>
<td>72</td>
</tr>
<tr>
<td>3-8</td>
<td>Summary of Provincial Actions Affecting Health and Safety in Regard to X-Rays</td>
<td>83</td>
</tr>
</tbody>
</table>

CHAPTER 4

HEALTH RESEARCH

<table>
<thead>
<tr>
<th>TABLE</th>
<th>Description</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>4-1</td>
<td>Federal Support for Intramural Health Research by Departments, Fiscal Years 1949-1962</td>
<td>102</td>
</tr>
<tr>
<td>4-2</td>
<td>Federal Support for Extramural Health Research, Fiscal Years 1946-1962</td>
<td>103</td>
</tr>
<tr>
<td>4-3</td>
<td>Total Federal Support for Health Research, Fiscal Years 1949, 1961 and 1962</td>
<td>103</td>
</tr>
</tbody>
</table>
Table 4-4 Grants-in-Aid and Research Fellowships Available through Provincial Agencies and Voluntary Organizations and Foundations, Canada, 1961-1962

Table 4-5 Summary of United States Public Health Service—NIH Grants to Canada, Fiscal Years 1954-1964

Table 4-6 Total Expenditures on Health Research, by Source of Funds, Canada, 1961 and 1962

Table 4-7 Summary of Grants Requested and Awarded by Medical Research Council, Fiscal Years 1961-62 to 1963-64

Table 4-8 Summary of Fellowships Requested and Awarded by Selected Agencies, 1961-1963

Table 4-9 Biomedical Research Workers in Federal Government Departments as at March 31, 1963

Table 4-10 Estimated Expenditures on Medical and Dental Research, by Source of Funds, 1961, and Projected Expenditures, by Source of Funds, Canada, 1966 and 1971

Chapter 6 Voluntary Health Organizations

6-1 Organization and Structure of National Voluntary Health Organizations, Canada

6-2 Alcoholics Anonymous, Group Contributions to General Service Office, Canada and Provinces, 1963

6-3 Blood Donor Clinics: Bottles Collected and Transfusions, Canada, 1960-1962

6-4 Sheltered Workshops under Voluntary Auspices, by Category, Canada and Provinces, Fiscal Year Ending March 31, 1963

6-5 Number of People Employed and Total Sales, Catering Department, the Canadian National Institute for the Blind, Canada and Provinces, Fiscal Year Ending March 31, 1963

6-6 Federal Grants to Voluntary Health Organizations, Canada, 1963

6-7 Income and Expenditure: Selected National Voluntary Organizations, Canada, 1963
APPENDIX D

SUBJECT INDEX FOR VOLUME I

A

ABERHART MEMORIAL SANATORIUM, drug price trends, 696.

ABBOTT LABORATORIES LIMITED, 645, 655, 669, 685.

ABSENTEEISM, economic benefits of health services, 505.

ABSTINENCE, changing concepts on health care, 102.

ACCIDENTS, Health Charter for Canadians, 12; changing concepts of health care, 102; mortality rates, 110; problem both in terms of mortality and hospitalization, 157; percentage of illness, health services and mortality rate, 200, 202; primary causes of disabilities, 205; percentage cause of disability, 207; share of total illness and health care, 212; expenditures on personal health care, 216, 217; hospital utilization, 308; individual behaviour, 508; value of lost net production and productivity, 513, 517.

ACCIDENT PREVENTION, expenditures by public authorities, 846.

ACCREDITATION, quality of medical care in hospitals, 549.

ADMINISTRATION OF HEALTH DEPARTMENTS, expenditures by public authorities, 846.

ADMINISTRATOR, participation in study of health and health services, 79.

ADMISSION AND DISCHARGE COMMITTEE, accreditation of hospitals, 549.

ADMISSION-DISCHARGE COMMITTEES, hospital bed utilization, 601, 603.

ADOLESCENCE, age-sex specific mortality rates, 146.

ADVERTISING, government food and drug control, 326; drug information service, 379; drugs and pharmaceutical products, 658-666.

ADVISORY COMMITTEE ON HEALTH INSURANCE, development of health services, 232.

AETIOLOGY, changing concepts of health, 98.

AGE, age-sex structure of population, 113.

AGED, THE, health needs, 113; receiving fruits of economic progress, 123, 124; indirect benefits of health services, 508.


AGRICULTURE, increased productivity, 123.

AIR AMBULANCE, recommendations, 34; health facilities and services, 337; organization of medical practice, 548.

AIRPLANE, organization of medical practice, 547.

AIR POLLUTION, Health Charter for Canadians, 12; more effective control, 102; growth of spending, 848.

ALASKA HIGHWAY SETTLEMENTS, must be provided with health care, 121.

ALBERTA, authorized charges for hospitalized welfare recipients, 58; loss of population due to interprovincial mobility, 122; percentage income distribution, 129; percentage of wage earners, 130-136; mortality rates in 1960, 147; infant and maternal mortality rate, 150, 193; per capita personal income (1959-1961), 151; maternal mortality rate, 193; population-physician ratio, 239; civilian physicians in metropolitan area, 247; population-dentist ratio, 258,
260; population-nurse ratio, 265; bedside care in hospital schools of nursing, 277; preparation of psychiatric nurses, 279; practising licensed optometrists (1931–1961), 291; estimated beds set up, per 1,000 population and by class of hospitals, 299; acute treatment hospital beds, 301; chronic and convalescent hospital beds, 304; admission in hospitals per 1,000 population, 305; bed capacity of mental institutions, 310; occupancy of public mental institutions, 311; percentage grants for approved health services, 325; dental care benefits, 327; brief submitted on the manufacture and distribution of drugs, 352; Blue Cross Plan, 383; public health insurance, 394; maternity hospital care, 405; public hospital insurance, maternity care, 405; overall insurance administrative agency or authority, 413; methods of financing hospital insurance programme, 415; number of insured persons in 1963, 416; insured patient-days and rates (1959–1961), 418; percentage distribution of hospital-days of care in 1961, 419; patient-days in hospitals listed in hospital insurance agreements, in 1961, 420; dentists listed in Canadian Dental Association directory, 557; mobile dental clinics, 565; hospital utilization rates, 598; out-patient provisions of hospital insurance, 602; advertising and promotion of drugs, 660; hospitals disregard drug brand names, 683, 684; professional drug dispensing fee, 688; drug price trends, 696; income tax exemption, 734; public medical care programmes, 866.

ALBERTA DENTAL ASSOCIATION, loans to dental students, 562.

ALBERTA MEDICAL PLAN, problems involved in subsidies, 735.

ALBERTA PHARMACEUTICAL ASSOCIATION, brief submitted on manufacture and distribution of drugs, 351; retail distribution of drugs, 650; advertising and promotion of drugs, 699.

ALBERTA UNIVERSITY, medical school graduates, 240; course in dental hygiene, 283.

ALCOHOL, changing concepts of individual health care, 101; average personal expenditure in Canada (1927–1961), 438, 439.

ALCOHOLISM, Health Charter for Canadians, 12; a growing problem, 26; more fundamental research and evaluation, 27; Health Facilities Development Fund, 78; health sciences research, 80; National Health Grants, 90; individual behaviour, 508; expenditures by public authorities, 846.

ALCOHOLICS ANONYMOUS, recommendations, 26.


ALLERGIES, unsolved health problem, 156; mortality and hospitalization trend, 175; percentage cause of disability, 207; share of total illness and health care, 212; expenditures on personal health care, 216, 217; hospital utilization, 308.

ALLOWANCES FOR DISABLED PERSONS, medical statistics of applicants, 206–209; glasses, 826.

AMBULANCE SERVICES, recommendations, 33.

AMERICAN HOME PRODUCTS, 694.

AMES COMPANY OF CANADA LTD., 669.

ANAEMIAS, fatality reduced by treatment, 156.

ANAESTHESIA, recommendations, 32.

ANAESTHESIOLOGY, post-graduate studies, 72.

ANAESTHETIC TECHNIQUES, development of health services, 231.

ANATOMY, schools of optometry, 48, 49; percentage distribution of medical teachers, 252.

ANCA LABORATORIES, 645.

ANCILLARY OPERATIONS, hospitals earnings from, 58.

ANTIBIOTICS, changing concepts of health care, 99; domestic production of drugs, 658; drug imports, 691; highly priced at first, 694; decline in prices, 695; international comparison of drug prices, 699; dumping duty rules, 716.

ANTI-TUBERCULOSIS DRUGS, competition in drug industry, 684.

ANTHRAX, main health problems, 158.

APPENDICITIS, demands for selected services and mortality rate, 188–190.

ARCHITECT, participation in study of health and health services, 79.

ARCTIC REGIONS, must be provided with health care, 121.
ARMS AND SERVICES, distribution of dentists, 566.
ARMED SERVICES, rejection rates of recruits in World War II, 5; measuring health in terms of fitness, 140; development of health services, 232; health facilities and services, 297; exclusive health services, 333; number of persons insured, 727.
ARTHRTITS, no increase in incidence, 156; primary causes of disabilities, 205.
ASEPTIC HOSPITAL TECHNIQUES, discoveries of Pasteur, Lister and Semmelweiss, 231.
ASIA, infectious diseases, 154.
ASPHYXIA, early infancy mortality rate, 197, 198.
ASSISTANCE PROGRAMMES, development of health services, 232.
ASSOCIATION DES MÉDECINS DE LANGUE FRANÇAISE, recommendations, 41, 53; represented on Dental Auxiliary Advisory Training Committee, 76; provincial lotteries for the financing of health services, 87.
ASSOCIATION OF CANADIAN MEDICAL COLLEGES, future supply of physicians, 539.
ASTHMA, number and rate of deaths, 178.
ASYLUMS, recommendations, 25.
ATLANTIC PROVINCES, comparison of earnings distribution, 131; dental auxiliaries needed and possible output, 574.
AUTOMATION, rising levels of unemployment, 759.
AUSTRALIA, programme of physicians' services, 744; medical benefits programme, 744.
AUTOMOBILES, increase in public expenditures, 772.
AUXILIARIES, organization of medical practice, 544; dental personnel, 568.
AUXILIARY NURSING PERSONNEL, health manpower, 279.
AUXILIARY WORKERS, dental education and recruitment, 73.
AYERST, MCKENNA & HARRISON LIMITED, 645, 655.

BALANCED DIET, responsibility of individual, 4; changing concepts of health care, 101.
BANK OF CANADA, financing of health services, 861.
BANTING AND BEST MEDICAL RESEARCH INSTITUTE, research in the drug field, 668.
BAXTER LABORATORIES OF CANADA LTD., 645.
BED CAPACITY, health facilities and services, 308.
BED-POPULATION RATIO, hospital construction grants, 607.
BEVERIDGE REPORT, development of health services, 232.
BIOCHEMISTRY, percentage distribution of medical teachers, 252.
BIOLOGICAL FORCES, impinging upon the sick person, 100.
BIRTH INJURIES, early infancy mortality rate, 197.
BIRTHS, changing structure of population, 108.
BLINDNESS, primary causes of disabilities, 205.
BLIND, THE, receiving fruits of economic progress, 123, 124.
BLOOD DISEASES, hospitalization and mortality rates, 179, 180; percentage cause of disability, 207; share of total illness and health care, 212; expenditures on personal health care, 216, 217; hospital utilization, 308.
BLOOD TRANSFUSION, 32; voluntary health services, 331.
BLUE CROSS, development of health services, 232; voluntary health insurance, 386, 387; Saskatchewan Hospital Services Plan, 406; successful operations in Ontario, 410, 420.
BOARDS OF HEALTH, first local and central boards established in Canada, 230.
BONE DISEASES, rates of mortality and hospital separations, 195; percentage cause of disability, 207; share of total illness and health care, 212; expenditures on personal health care, 216, 217; hospital utilization, 308.
BORROWING, to finance higher level of living, 124.
BOTULISM, rare diseases, 158.
BRAND NAMES, of doubtful value, 373; drug manufacture, 646; advertising and promotion of drugs, 659, 660; Trade Marks
Act, 710-712; independent distributors, 711.
BRIDES, changing structure of population, 110.
BRIEFS, submitted to Commission on the Manufacture and Distribution of Drugs in Canada, 351.
BRISTOL LABORATORIES OF CANADA LIMITED, 644, 645.
BRITISH COLUMBIA, authorized charges for hospitalized welfare recipients, 58; loss of population due to interprovincial mobility, 122; percentage income distribution, 129; percentage of wage earners, 130-136; mortality rates in 1960, 147; infant and maternal mortality rate, 150, 193; per capita personal income (1959-1961), 151; maternal mortality rate, 193; population-physician ratio, 239; civilian physicians in metropolitan areas, 247; population-dentist ratio, 258, 260; population-nurse ratio, 265; bedside care in hospital schools of nursing, 277; preparation of psychiatric nurses, 279; practising licensed optometrists, (1931-1961), 291; estimated beds set up per 1,000 population and by class of hospitals, 299; acute treatment hospital beds, 301; chronic and convalescent hospital beds, 304; admission in hospitals per 1,000 population, 305; bed capacity of mental institutions, 310; occupancy of public mental institutions, 311; dental care benefits, 327; drugs as a health service, 365; public health insurance, 393; Hospital Insurance Act, 408; over-all insurance administrative agency or authority, 413; methods of financing hospital insurance programme, 415; number of insured persons, 416; insured patient-days and rates, 418; percentage distribution of hospital-days of care, 419; patient-days in hospitals listed in hospital insurance agreements, 420; dental auxiliaries needed and possible output, 514; dentists listed in Canadian Dental Association directory, 557; mobile dental clinics, 565; hospital utilization rates, 598, 599; out-patient provisions of hospital insurance, 602; retail distribution of drugs, 630; prescription drugs exempted from sales tax, 687; income tax exemption, 734.
ROYAL COMMISSION ON HEALTH SERVICES
BRITISH COLUMBIA UNIVERSITY, medical school graduates, 240; health sciences centre, 254; refresher courses, 255; capacity of dental school, 261; nursing education, 277.
BRITISH DRUG HOUSES (CANADA) LTD., THE, 646, 685.
BRITISH NATIONAL HEALTH SERVICE, the general practitioner and the specialist, 297.
BRITISH PREFERENTIAL TARIFF, drug costs and prices, 677.
BRONCHITIS, death rates, 187.
BUILDINGS, for medical teaching and research, 69.
BURROUGHS-WELLCOME & CO. (CANADA) LTD., 646, 669.
BURSARIES, for student nurses, 66; for Master's degree in nursing, 68; for studies by health professionals, 77; for dental auxiliaries, 77; for medical schools, 241.
BUSH, DR. VANNEVAR, principal aims of patent system, 707.
BUSINESS PROFITS, Canadian economic growth, 770.
C
CALGARY, new medical school in 1971, 70, 71.
CANADA, estimated population (1961-1991) with net 50,000 annual immigration, 114, 115; projected population (1961-1991), selected age groups, 118, 119; percentage income distribution, 128; number and percentage of wage earners, 130-136; mortality rates in 1960, 147; health status compared with other countries, 149, 150, 152, 153; maternal mortality rate, 193; population-physician ratio, comparison with selected countries, 239; civilian-physicians in metropolitan areas, 247; population-dentist ratio, by provinces and size of community, 258, 260; population-nurse ratio, 265; bedside care in hospital schools of nursing, 277; all professional persons employed and selected health occupations, 281, 282; practising licensed optometrists (1931-1961), 291; population per physician, dentist, nurse and pharmacist, 293; international comparison, 294; estimated beds set up per 1,000 population and by class of hospitals, 299; acute treatment hospital beds, 301; chronic and convalescent hospital beds, 304; admission in hospitals per...
1,000 population, 305; bed capacity of mental institutions, 310; occupancy of public mental institutions, 311; hospitals for mentally retarded, 316; number of mentally retarded, 317; progress in drug field, 341; hospital formularies widely used, 374; number of insured persons, 1963, 416; insured patient-days and rates (1959–1961), 418; percentage distribution of hospital-days of care, 1961, 419; patient-days in hospitals listed in hospital insurance agreements, 1961, 420; rising health expenditures, 423–435; dental auxiliaries needed and possible output, 514; hospital utilization rates, 598.

Canadian Association for Retarded Children, recommendations, 21, 23.

Canadian Association of Medical Students and Interns, financial assistance to undergraduates, 538.

Canadian Association of Optometrists, vision care percentage, 209; health manpower, 292.

Canadian Conference of Pharmaceutical Faculties, brief submitted on manufacture and distribution of drugs, 351; national drug formulary, 373.

Canadian Council of Hospital Accreditation, quality of medical care, 549.

Canadian Dental Association, recommendations, 36; represented on Dental Auxiliary Advisory Training Committee, 76; dental health index, 81; dental care statistics, 211; provision of dental statistics, 256; parodontal personnel, 286; future supply of dentists, 552; dentists listed in directory, 557; fees and loan funds for students, 561; dental facilities in hospitals, 566; dental auxiliaries, 570.

Canadian Economic Growth, economic projections, 754–757; unemployment, 758; alternative projections of output, 769, 770.

Canadian Federation of Agriculture, brief submitted on manufacture and distribution of drugs, 351; research in the drug field, 670; trade marks and prescription drugs, 711; scope of government action, 726.

Canadian Forces Medical Services, optometrists responsibilities, 49.

Canadian Formulary, each of information dealing with drugs, 672.

Canadian Formulary, tariffs, 713.

Canadian Foundation for the Advancement of Pharmacy, brief submitted on the manufacture and distribution of drugs, 351.

Canadian Hospital Association, recommendations, 41; professional activities studies, 53; quality of medical care, 549.

Canadian Labour Congress, brief submitted on the manufacture and distribution of drug, 351; scope of government action, 726.

Canadian Manufacturers' Association, scope of government action, 726.

Canadian Medical Association, recommendations, 34, 41; professional activities studies, 53; represented on Dental Auxiliary Advisory Training Committee, 76; brief submitted on manufacture and distribution of drugs, 351; inspection and control of drug manufacturing, 370; drug information service, 377; evolution of health insurance in Canada, 383; voluntary health insurance, 383; health insurance and the federal government, 400, 421; method of remunerating the physician, 541; quality of medical care, 549; advertising and promotion of drugs, 661, 662; prepaying medical services, 723; scope of government action, 726; problems involved in subsidies, 734; proposals, 742.

Cancer, changing concepts of health care, 100; smoking habit and air pollution and radiation, 102; unsolved health problem, 156; mortality rate by site and sex, 170, 171, 172; demand for selected health services, 173; incidence and mortality by age, 174; development of health services, 232; value of lost net production resulting from deaths, 511, 517; value of lost productivity, 517.

Cancer Control, National Health Grants, 88.

Cancer Diagnostic, public health activities, 7.

Canadian Mental Health Association, recommendations, 21; community psychiatric services, 319.

Canadian National Institute for the Blind, number of blind persons, 209.

Canadian Nurses Association, education and quality of nursing care, 579.

Canadian Patent Office, discoveries disclosed to, 707.
CANADIAN PHARMACEUTICAL ASSOCIATION, recommendations, 41; drug therapy, 346; brief submitted on manufacture and distribution of drugs, 351; annual survey of retail pharmacy operations, 352; drugs as a health service, 355-364; national drug formulary, 373; drugs and pharmaceutical services, 641; drug manufacturers and distributors, 644-656; advertising and promotion of drugs, 658-666; research and development, 666-671; drug buying cooperatives, 686; average price of all prescriptions, 688; professional dispensing fee, 689; price index for prescriptions, 698; drug price trends, 694; international comparison of drug prices, 700; surveys of number of prescriptions, 830.

CANADIAN PHARMACEUTICAL JOURNAL, retail distribution of drugs, 651.

CANADIAN PHARMACEUTICAL MANUFACTURERS ASSOCIATION, brief submitted on manufacture and distribution of drugs, 351, 352; drug manufacturers and distributors, 644; advertising and promotion of drugs, 658-666; research and development, 666, 671; drug costs and prices, 675-682; price trends, 693-695; international comparison of drug prices, 699, 700; Patent Act, 706; voluntary price restraint, 719.

CANADIAN PHARMACEUTICAL SURVEY, average price of prescriptions, 830.

CANADIAN RED CROSS, nursing education, 581.

CANADIAN SICKNESS SURVEY, rare diseases, 165; diagnosed case of diabetes, 177; permanent physical disabilities in Canada, 204, 205, 208; expenditures on non-prescribed drugs, 347.

CANADIAN SOCIETY OF HOSPITAL PHARMACISTS, drugs as a health service, 346; brief submitted on manufacture and distribution of drugs, 351, 352; drug formularies, 376; drug price trends, 696.

CANADIAN TARIFF BOARD, review of tariff items on drugs, 43, 44; tariffs on drugs and drug research equipment, 716.

CANADIAN TAX JOURNAL, level of total taxation, 863, 864.

CANADIAN TUBERCULOSIS ASSOCIATION, tuberculosis fact-finding work, 320.

CANADIAN UNIVERSITIES FOUNDATION, foreign medical students, 72; Health Professions University Grant, 77.

CANADIAN WELFARE COUNCIL, medical care package, 345; brief submitted on manufacture and distribution of drugs, 351.

CAPITAL ACCUMULATION, allocation of output, 766.

CAPITAL EQUIPMENT, organization of medical practice, 544.

CAPITATION SYSTEM, method of remunerating the physician, 542.

CARDIAC ILLNESS, individual behaviour, 508.

CARDIO- VASCULAR RENAL DISEASES, changing concepts of health care, 100.

CARLETON UNIVERSITY, federal grants for University Schools of Nursing, 68.

CARSTAIRS, G. M., changing concepts of health care, 102.

CASUALTY INSURANCE COMPANIES, commercial health insurance, 390.

CAYTHERIES, dental auxiliaries, 75, 76.

CELLULAR TISSUE DISEASES, rates of mortality and hospital separations, 193; percentage cause of disability, 207; Share of total illness and health care, 212; expenditures on personal health care, 216, 217; hospital utilization, 308.

CENTRAL AMERICA, infectious diseases, 154.

CEREBRAL PALSY, causes of disabilities, 208.

CHAIN DRUG STORES, retail distribution of drugs, 651.

CHARTY PATIENTS, in medical schools, 253.

CHARLES H. BEST INSTITUTE, research in the drug field, 668.

CHATHAM HOTEL DIEU, evolution of health insurance, 382.

CHECK-OFF SYSTEM, evolution of health insurance, 382.

CHEMICALS, operations of drug wholesalers, 647.

CHICKEN POX, deaths reported, (1952-1961), 165, 166.

CHILD HEALTH, National Health Grants, 89.

CHILDHOOD, age-sex specific mortality rates 146.

CHILDREN, glasses provided to, 50; congenital deformities, 59; mortality rates, 110; of
working mothers, 120; intermediate health expenditures, 507; state of dental health and personnel requirements for dental programme, 570–574; introduction of programme of prescription glasses, 844.

CHILDREN'S DENTAL HEALTH GRANT, recommendations, 36; introduction in 1967 recommended, 91.

CHILDREN'S DENTAL PROGRAMME, population-dentist ratio unsatisfactory, 73; employment of dental auxiliaries, 75; priorities, 92; projected trends in transfer payments, 782; projected total health expenditures, 801; projected expenditures, 817; estimated cost, 819; projected expenditure, 821; allocated to the public sector, 868.

CHILDREN’S PROGRAMME FOR GLASSES, allocated to the public sector, 868.

CHIROPRACTIC SERVICES, recommendations, 33; private health expenditures, 866; cost allocated to the private sector, 868.

CHIROPRACTORS, record of health spending, 423; projected expenditures, 840.

CHLORAMPHENICOL, drug imports, 691.

CHOLERA, a thing of the past in Canada, 154; a significant health problem, 158, 159; the 1832, 1849, 1854 and 1865 epidemics, 230.

CHRONIC DISEASES, changing concepts of health care, 100; little or no improvement, 157; bed requirements of hospitals, 597; expenditures by public authorities, 846.

CIBA COMPANY LIMITED, 646, 669.


CIRCULATORY SYSTEM DISEASES, high mortality and hospitalization rates, 156; rates of mortality and hospital separations, 185; demand on physicians' services, 186; percentage cause of disability, 207; share of total illness and health care, 212; expenditures on personal health care, 216, 217; hospital utilization, 308; value of lost net production resulting from deaths, 512; value of lost productivity, 517.

CIRRHOSIS OF LIVER, mortality rate, 189.

CITIES, modern social organization, 102.

CIVILIAN REHABILITATION PROGRAMME, economic benefits of health services, 515.

CLARKSON SURVEY, of pharmaceutical manufacturing companies, 647, 655, 657, 661, 665; components of prices and costs, 675; drug research costs, 678; sales promotion in the drug industry, 679; drug trade discounts, 685, 686.

CLEANLINESS, responsibility of individual, 4.

CLEFT PALATE, care of handicapped, 208.

CLERICAL PERSONNEL, projected expenditures, 822.

CLINICAL DEPARTMENTS, education of physician, 251.

CLINICAL PROGRAMMES, continuing medical education, 255.

CLINICAL TEACHERS, remuneration of part-time, 72.

CLINICS, expenditures, 851.

CLOTHING, average personal expenditure in Canada (1927–1961), 438, 439.

CLUB-FOOT, causes of disabilities, 208.

CLUTE, DR KENNETH F., organization of medical practice, 545; quality of medical care, 549.

CODE OF HAMMURABI, standards of medical care, 255.

CODED PRICES, drug retailing, 689.

CO-INSURANCE, recommendations, 57; hospitalized welfare recipients, 58; commercial insurance companies, 724.

COLITIS, death rate, 189.

COLLEGE DES MÉDECINS ET CHIRURGIENS DE LA PROVINCE DE QUÉBEC, advanced training and certification of general practitioners and specialists, 232.

COLLEGE OF DENTAL SURGEONS OF SASKATCHEWAN, bursaries for pre-dental students, 562.

COLLEGE OF GENERAL PRACTICE, special courses in psychiatry, 22.

COLLEGE OF PHYSICIANS AND SURGEONS, recommendations, 33, 53, 54.

COLUMBIA UNIVERSITY, study relating to cost of hospital care, 838.

COMBINES INVESTIGATION ACT, recommendations, 45; inquiry into the manufacture, distribution and sale of drugs, 350; drug manufacturers and distributors, 647; research by commercial drug firms, 669; expenditure on drug quality control, 678; pricing guides, 689; drug imports, 690-
692; drug price trends, 693, 694; international comparison of drug prices, 696-701; pharmacists governing bodies and trade associations, 717.

COMMERCIAL HEALTH INSURANCE, voluntary health insurance, 390-392; number of persons insured, 392, 727.

COMMISSIONER OF PATENTS, recommendations, 43.

COMMON COLD, estimated cost of illness, 514.

COMMUNICABLE DISEASES, near-disappearance, 3; changing concepts of health care, 100; problem under control, 157; health problems in the North, 222; at the time of Confederation, 230; government health services, 326; governments current expenditures, 767; expenditures by public authorities, 846.

COMMUNICATION, changing concepts of health care, 103; development of health services, 231; health services in remote areas, 334; organization of the rural medical practice, 546.

COMMUNITY HOSPITALS, becoming obsolete, 620.

COMMUNITY SERVICES HOME CARE PROGRAMMES, 61; integration of health services, 79; health services planning, 665; organized home care, 627.

COMPETITION, health manpower, 241; in drug industry, 682-685.

COMPULSORY EDUCATION, issue of compulsion, 740.

COMPULSORY LICENSING, applied to drugs, 705.

COMPUTERS, unemployment, 759; in hospitals, 836.

CONCEPT OF HEALTH CARE, man as an integral part of environment, 100.

CONGENITAL HEART DISEASE, causes of disability, 208.

CONGENITAL MALFORMATIONS, declining mortality but increase in number of cases, 156; percentage cause of disability, 207; share of total illness and health care, 212; expenditures on personal health care, 216, 217; hospital utilization, 308. See also MALFORMATIONS.

CONNAUGHT MEDICAL RESEARCH LABORATORIES, brief submitted on manufacture and distribution of drugs, 351; foreign control of drug industry, 655; drug research contributions, 708.

CONSOLIDATED MINING AND SMELTING COMPANY, evolution of health insurance, 382.

CONSULTATIONS, development of health services, 233.

CONSUMERS, average personal expenditure in Canada, 438; demand for health services, 444; price index of drugs, 693; drug price trends, 696; customs tariffs on imported drugs, 716; medical insurance, 723; access to health services, 725.

CONSUMPTION, health spending, 499-501; allocation of output, 766, 768; governments expenditures, 767.

CONSTRUCTION, economic benefits of health services, 496; of hospitals, 595.

CONTROLLED DRUGS PREPARATIONS, operations of drug wholesalers, 648.

CONVALESCENT BEDS, health facilities and services, 300.

CO-OPERATIVES, voluntary health insurance, 389; owned by retail druggists, 686; average claims, 731.

COOPERATIVE UNION OF CANADA HEALTH SERVICES, brief submitted on manufacture and distribution of drugs, 352.

CORPORATION INCOME TAX ACT, recommendations, 42.

CORRECTIVE LENSES, optical services, 45.

COSMETICS, operations of drug wholesalers, 648.

COSMETICS AND SUNDRIES, recommendations, 40.

COSTS, record of health spending, 423-436; demand for services, 436-445; further determinants of spending, 446-456; sources of funds for expenditures, 457-472; Canadian Government expenditures, 480-482; international comparison, 482-492; expenditure trends in perspective, 492; economic benefits of health services, 509-517; of dental education, 559; of drugs and pharmaceutical products, 675-721.

COTTAGE HOSPITAL AND MEDICAL CARE PLAN, health insurance in Newfoundland, 399.

CRASH PROGRAMME, special Professional Training Grants in ophthalmology, 50.

CREDIT UNION MEDICAL BENEFIT ASSOCIATION, voluntary medical care insurance, 389.
CRIMINAL CODE, lotteries to assist in financing of health services, 87.
CRIPPLED CHILDREN, public health facilities, 7; Health Charter for Canadians, 14; priorities, 92.
CRITERIA, measures of health in terms of fitness or illness, 139, 140, 141.
CRUDE DEATH RATE, the life span, 142.
CUSTODIAL PATIENTS, in mental hospitals, 25.
CUSTOMS TARIFF ACT, drugs dutiable, 712, 713.
CYCLOPLEGIC, drug used by optometrists, 47, 49, 50.

DALHOUSIE UNIVERSITY, expansion and renovation of dental schools, 73; medical school graduates, 240; refresher courses, 255; course in dental hygiene, 283.
DAMES RELIGIEUSES HOSPITALIERES, beginning of health insurance in Canada, 382.
DEAFNESS, causes of disabilities, 205, 208.
DEATH, age distribution, 218; health manpower, 243.
DEATH RATE, number of deaths, crude death rate, standardized death rate, 142; age-proportional death rate, 143; various disease groups, 157-202; main causes of illness and of health care demand, 215.
DECENTRALIZATION, of public health services, 325.
DEFENCE EXPENDITURES, projected government spending, 768, 779.
DEFENCE RESEARCH BOARD, funds for medical research, 667.
DEFORMITY, prosthetic devices and aids, 59.
DEMOGRAPHIC FACTORS, provision and organization of health services, 107.
DENTAL ASSISTANTS, health manpower, 285; projected expenditures, 822.
DENTAL AUXILIARIES, recommendations, 36; large scale training programme, 75; licensed to practise limited, 76; recommendations, 76, 77; health manpower, 93, 286; organization of dental practice, 569; future need of, 594; average earnings, 822; cost of training facilities, 851.
DENTAL AID ADVISORY COMMITTEE, appointment to the Department of National Health and Welfare recommended, 76.

DENTAL CARE, total expenditures, 824; private health expenditures, 866.
DENTAL CLINICS, cost allocated to public sector, 868.
DENTAL COLLEGES OR BOARDS, represented on Dental Auxiliary Advisory Training Committee, 76.
DENTAL CONSTRUCTION AND EQUIPMENT GRANT, recommendations, 36.
DENTAL DISEASES, intra-mural research and grants to universities, 74; present extent very considerable, 157.
DENTAL EDUCATION, health personnel, facilities and research, 73-77; Health Facilities Development Fund, 78; health sciences research, 80; National Health Grant, 90.
DENTAL EXAMINATION, responsibility of individual, 4.
DENTAL HEALTH, deplorable state in country, 75; dental care statistics, 209-211; government health services, 327.
DENTAL HEALTH INDEX, recommendations, 36; Health Sciences Research Council, 81.
DENTAL HYGIENE, changing concepts of health care, 101.
DENTAL NURSES, health manpower, 287.
DENTAL PROFESSION, health manpower, 256-262.
DENTAL PROGRAMMES, projected expenditures, 817.
DENTAL SCHOOL OF MONTREAL, health manpower, 257.
DENTAL SCHOOLS, represented on Dental Auxiliary Advisory Training Board, 76; training of auxiliaries, 77; facilities, 93; health manpower, 257; present capacity, 258, 261; cost of health services, 469; substantial expansion required, 553, 555, 558; future requirements, 558, 559; capacity for first-year students, 560; fees and loan funds, 561; dentists on staff, 566; per capita spending, 791; cost of facilities, 851.
DENTAL SERVICES, serious shortage of dentists, 35; accelerated programme for children, 35; recommendations, 36, 37; for welfare recipients, 39; Health Facilities Development Fund, 78; health sciences research, 80; National Health Grant, 90; "most likely" projection, 795; cost of facilities, 851; cost allocated to private sector, 868; estimated public and private spending, 869.
DENTAL STUDENTS, recruitment, 559; average expenditure, 560; income of parents, 561.
DENTAL TECHNICIANS, health manpower, 285.
DENTIST-POPULATION RATIO, health manpower, 256.
DENTISTRY, development of health services, 231; types of practice, 261; employment effects of health services, 497.
DENTISTS, competitive remuneration, 36; distribution of, 38; waste of professional talents, 73; supervision of dental auxiliaries, 75; scarcity of dentists, 75; income tax deductions for post-graduate studies, 75; manpower, 93; part of health army, 233; migration, 259; geographic distribution, 259, 260; specialization, 260; mean income, 286; international comparison, population-personnel ratio, 294; record of health spending, 423; the supply of medical services, 463; future supply of, 552-576; average income, 563; cost of establishing dental practice, 564; organization of practice, 565; percentage distribution, 566, 568; personnel requirements for children’s dental programme, 572; projected supply and population-ratio (1961-1991), 593; provincial pharmacy acts, 717; average increase of income, 817; income will continue to increase, 820; average gross income, 821; average annual percentage charge, 823.
DENTISTS’ SERVICES, estimated contribution to growth rate of spending, 461; projected expenditures, 817; estimated cost, 818.
DENTURES, record of health spending, 423.
DEPARTMENT OF MEDICAL ECONOMICS, problems involved in subsidies, 734.
DEPENDANTS AGE GROUP, projected population, 118, 119.
DEPRECIATION, on value of health services buildings and fixed equipment, 57; drug costs and prices, 676.
DEPRESSION, changing income of Canadians, 122; demand for health services, 442.
DERMATOLOGY, development of health services, 233.
DESCARTES, changing concepts of health, 97.
DETERRENT FEES, recommendations, 57.
DEVELOPING COUNTRIES, Canada’s obligation in training of health personnel, 77; French-speaking health personnel, 77; health manpower assistance, 240.
DIABETES, unsolved health problem, 156; number and rate of deaths, 176.
DIAGNOSIS, mental illness, recommendation, 24; visual deficiency, 45; changing concepts of health care, 99; measuring health in terms of illness, 140; tuberculosis, 319.
DIETARY SUPPLEMENTS, government health activities, 328.
DIETITIANS, part of the health army, 233; health manpower, 281, 282, 283; median annual salaries, 587.
DIGESTIVE SYSTEM DISEASES, little change from 1951 disease level, 156; rates in mortality and hospital separations, 189; demand for selected services, 190; percentage cause of disability, 207; share of total illness and health care, 212; expenditures on personal health care, 216, 217.
DIPHTHERIA, cases and deaths, (1942-1961), 162.
DIPLOMA NURSE, educational programme, 584, 585.
DIRECT RELIEF, projected trends in transfer payments, 782.
DISABILITY, main health problems, 141; the handicapped, 203; estimated number, age groups, severity and primary causes, 205-208; reduction of disabling illness, 503, 504.
DISABLED, THE, receiving fruits of economic progress, 123, 124; development of health services, 232.
DISEASE-ORIENTED GRANTS, 89.
DISEASE-PREVENTING DRUGS, 39.
DISPENSARIES, retail distribution of drugs, 649.
DISTRIBUTORS, importation of brand name drugs, 711.
DIXON, PROF. BRIAN, drug prices and costs, 679; drug price trends, 693, 695, 696.
DOMINION BUREAU OF STATISTICS, health statistics, 82, 83; data on mental health facilities, 318; drug expenditures data, 349; statistics on drug industry, 641, 643, 644, 647, 651; price index for prescriptions, 693; data on income, 736; average price of prescriptions, 830.
DOMINION COUNCIL OF HEALTH, represented on Dental Auxiliary Advisory Training Committee, 76.
DOMINION-PROVINCIAL CONFERENCE ON RECONSTRUCTION, mental hospital beds, 312; health insurance and the federal government, 402.

DONATIONS, direct drug selling expenses, 661.

DRUG ADDICTION, Health Charter for Canadians, 12; recommendations, 27, 28; Health Facilities Development Fund, 78; health sciences research, 80; National Health Grant, 90.

DRUG ADVISORY COMMITTEE, recommendations, 41; drugs as a health service, 370-372; importance of role, 370-372; voluntary restraint of drug prices, 721.

DRUG BRAND NAMES, and their generic equivalent, 692; Trade Marks Act, 710-712.

DRUG EXPENDITURES, figures for 1961, 348.

DRUG FORMULARY, absence in Canada, 341; standards of identity, purity and quality of drugs, 372-377; national compendium of drugs in Canada, 373; generic name products, 374; provincial drug formularies, 375.

DRUGGISTS, see also PHARMACISTS.


DRUG INDUSTRY, largely foreign controlled, 339; existing patterns of manufacture and distribution, 643-657; foreign control of industry, 655; domestic production and imports, 657, 658; advertising and promotion, 658-666; research and development, 666-671; physician and drug prescription, 671-674; drug costs and prices, 675-721; competition, 682; lower drug prices, 690, 709; customs tariffs and dumping duties, 714; voluntary restraint of drug prices, 719.

DRUG INFORMATION SERVICE, to assist medical and pharmaceutical professions, 377-379.

DRUG INSPECTION, recommendations, 53.

DRUG MANUFACTURERS, pricing of drugs, 349.

DRUG MERCHANDISING, advertising and promotion of drugs, 659, 660.

DRUG PRICES, international comparison, 696.

DRUG RESEARCH, tariffs on equipment, 716.

DRUG RETAILERS, retail distribution of drugs, 651-655; comparison of prices paid for certain drugs, 684, 686; variations in drug prices, 687; use of manufacturers' list price, 687; dispensing fee, 688; price lists and coded prices, 689, 690.

DRUGS, anti-dumping regulations, 43; federal purchases, 44; bulk purchasing for hospitals and public agencies, 44; narcotics and control drugs, 44; cost-prices analyses recommended, 44; compulsory licensing of imported, 44; review of tariff items on, 44; tenders for, 45; fiscal and procurement policies, 45; up-to-date statistics, 45; as a health service, 339-377; definition of drugs, 343; role of drugs in modern health service, 344-349; public interest, 350, 351; consumer expenditures on prescription drugs, 352-354; quality of drugs, 366-369; Drug Advisory Committee, 370; Pharmacopoeia and National Drug Formulary, 372-376; drug information service, 377; expenditures on advertising and promotion, 379; average personal expenditure in Canada (1927-1961), 438, 439; principal types of manufacturers, 644; competitive products, 646, 647; wholesale distribution, 647-649; retail distribution, 649-655; sales volume in pharmacies, 651; standardization in marketing, 655; selling expenses, 661; regulation of advertising, 674; components of prices and costs, 675-690; drugs imported and manufactured in Canada, 690-692; price trends, 693-696; international comparison of prices, 696-701; Patent Act, 701-709; abolition of patents recommended, 709; Trade Marks Act, 710-712; tariffs, 712-716; legislation, 716-718; voluntary price restraint, 719-721; costs of premiums for health services, 735; per capita spending, 790; "most likely" projection, 795; projected expenditures, 828.

DRUG THERAPY, mental health facilities, 313; increasing use suggested, 346; advances in recent years, 523; bed requirements of hospitals, 596.

DRUG TRADING COMPANY LIMITED, 686.

DRUG WHOLESALERS, Trade Marks Act, 710-712.

DUBOS, René, the Garden of Eden, 103.

DUMPING DUTIES, imported drugs, 714-716.
DUTIES, drug costs and prices, 677; drugs dutiable, 713-716.
DYMOND DRUGS LTD., 669.

EAR SPECIALISTS, development of health services, 233.
ECOLOGY, Health Sciences Research Council, 79.
ECONOMIC ANALYSIS, government's current expenditures, 767.
ECONOMIC BENEFITS OF HEALTH SERVICES, health services and economic growth, 495; employment effects of health services, 496-499; health spending, 499-501; indirect benefits, 507; value of health services, 508; estimated cost of illness, 509-515.
ECONOMIC GROWTH, factors of, 500; health essential to, 504-507; development of government, 772; most significant in Canada, 856; balance between private and public expenditures, 862.
ECONOMIC PROJECTIONS, meaning, 749-751.
ECONOMIC PROSPECTS, ROYAL COMMISSION ON CANADA'S, unemployment, 760.
EDMONTON GROUP HOSPITALIZATION, evolution of health insurance, 383.
EDUCATING HEALTH PERSONNEL, cost of hospital care, 834.
EDUCATION, health personnel, 69; fundamental purpose of medical education, 251; of the dentist, 261, 262; university schools of nursing, 277; demand for health services, 434; economic benefits of health care, 504; increasing demand for services, 522; in depression, 763; government's current expenditures, 767; educational facilities, expenditures, 851.
EGYPTIANS, changing concepts of health, 97.
ELASTIC SUPPORTS, operations of drug wholesalers, 648.
ELDERLY AGE GROUP, projected population, 118, 119.
ELECTRICAL MACHINERY, economic benefits of health services, 496.
ELECTRONICS, unemployment, 759.
ELEMENTARY SCHOOLS, trends in field of education, 116; projected population, 118, 119.

ROYAL COMMISSION ON HEALTH SERVICES
ELI LILLY & COMPANY (CANADA) LIMITED, 646, 655, 669, 686, 694.
EMISSION, proportion of people over 50, 148; changing structure of population, 112.
EMPLOYEE BENEFITS, drug costs and prices, 676.
EMPLOYER-EMPLOYEE, medicare prepayment, 86.
EMPLOYMENT, of married women and young adults, 123; paramedical personnel, 281; health insurance and the federal government, 399; economic benefits of health services, 496-499; consumption of goods and services, 770; in 1991, 788; private and public expenditures, 860.
ENDOCRINE SYSTEM DISEASES, mortality and hospitalization trend, 175; percentage cause of disability, 207; share of total illness and health care, 212; expenditure on personal health care, 216, 217; hospital utilization, 308.
ENGEL'S LAW, cost of health services, 437; applies to health services, 794.
ENGLAND, general health conditions data, 150; maternal mortality rate, 192; development of health services, 231; Beveridge Report, 232.
ENROLMENT, in universities by age groups, 116, 117, 120.
ENTERTAINMENT, and health services, 436; increasing demand for services, 522.
ENVIRONMENT, and health services, 7, 100; government health services, 325.
ENVIRONMENTAL SANITATION, health expenditures by public authorities 846; growth of spending, 848.
EPIDEMIC DISEASES, a thing of the past in Canada, 154; first boards of health established, 230; Irish immigrants, 230.
EPIDEMIOLOGY, Health Sciences Research Council, 79; government health services, 329.
EQUIPMENT, development of health services, 231; medical group practice, 250; of hospitals, 595.
ESKIMOS, federal responsibility, 9; health problems in the North, 222-225; health facilities and services, 297; tuberculosis services, 320, 321; government health services, 324; number of persons insured, 727.
ESSENTIAL OILS, operations of drug wholesalers, 648.
ETHICAL DRUGS, dumping duty rules, 716.
ETHNIC BACKGROUND, changing concepts of health care, 100.
ETIOLOGY, Health Sciences Research Council, 79.
EUROPE, physicians attracted to Canada, 814.
EVIL SPIRITS, changing concepts of health, 97.
EVOLUTION, of health insurance in Canada, 381, 382.
EXAMINATION, responsibility of the individual, 4.
EXCISE AND SALES TAX, drug costs and prices, 676, 682.
EXERCISE, responsibility of individual, 4; changing concepts of health care, 101.
EXPENDITURES ON DENTAL CARE, average annual percentage charge, 823.
EXPENDITURES ON MEDICAL CARE, average annual percentage charge, 823.
EXPORTS, Canada's growth prospects, 750.
EYE CARE, extensive public programme, 45; related responsibility of the optometrist, 290; expenditures, 848.
EYE CLINICS, in Canadian Forces Medical Services, 49.
EYE SPECIALISTS, development of health services, 233.

FACILITIES, to produce health services and health personnel, 93.
FACTORY LIFE, health essential to economic progress, 505.
FACULTY MEMBERS, part-time teaching in medical schools, 251.
FACULTY OF PHARMACY, UNIVERSITY OF TORONTO, brief submitted on manufacture and distribution of drugs, 352.
FAIR TRADE PRICE, international comparison of drug prices, 700.
FAMILIES, THE, average size, 111; changing concepts of health and human happiness, 103; projected population, 118, 119; decline of farm families, 123; low income category, 125; percentage income distribution, 128, 129; family formation, 442, 443; problems involved in subsidies, farm families, 737; private health expenditures, 864.
FAMILY ALLOWANCES, higher health expenditures, 445; projected trends in transfer payments, 782; private health expenditures, 864.
FAMILY DOCTOR, development of health services, 233.
FAMILY PHYSICIAN, diagnosis and treatment of psychiatric conditions, 318.
FAMILY RELATIONS, affecting patient's health, 101.
FARM AREA, number requiring subsidy, 739.
FATAL DISEASES, control of infectious diseases, 141.
FEDERAL GOVERNMENT, hospital construction grants, 56; charges for hospitalized welfare recipients, 58; Health Facilities Development Fund, 78; financing of personal health services programme, 84, 86; financial participation in health care programme, 87; public health insurance, 399–404; distribution of dentists, 566; research in drug field, 671; funds for medical research, 667; strengthening of drug administration, 674; voluntary restraint of drug prices, 719, 720; proportion of spending on health, 870; integrated and co-operative planning of health services, 872.
FEDERAL HOSPITALS, projected government spending, 779.
FEDERAL-PROVINCIAL CONFERENCES, hospital services, 51; administrative and fiscal planning of the Health Services Programme, 91.
FEDERAL-PROVINCIAL CO-OPERATION, Health Services Programme, 18, 19.
FEDERAL-PROVINCIAL HEALTH SERVICES PROGRAMME, scope of government action, 726.
FEDERAL SALES TAX, international comparison of drug prices, 699, 700.
FEE-FOR-SERVICE SYSTEM, payment of medical services, 29; medical practice in North America, 249; method of remunerating the physician, 542.
FEE SCHEDULES, cost of health services, 424.
FEES, schedule of maximum fees, recommendation, 34.
FELLOWSHIPS, medical schools, 241.
FEMALE LABOUR FORCE, distribution of married female labour force, 271.
FEMALE PROFESSIONS, all professional persons employed in Canada, 281, 282.
FEMALE WAGE EARNERS, in low earning range, 130, 131.
FIELD PERSONNEL, development of health services, 234.
FILLINGS, dental auxiliaries, 75, 76.
FINANCES, provision of health service in future, 94, 95.
FINANCING AND PRIORITIES, prepayment in personal health field, 83; personal health services programme provincially administered, 84; federal participation, 84, 87; provincial lotteries, 87; recommendations, 88.
FIREMEN, measures of health in terms of fitness, 140.
FIRE PROTECTION, governments current expenditures, 767; projected government spending, 779.
FIRST-AID PRODUCTS, operations of drug wholesalers, 647.
FITNESS, standards of health for certain duties, 140.
FLOATING CLINIC, Newfoundland, health services, 337.
FLUORIDATION, prevention of dental caries, 37; recommendations, 37, 38; dental education, 73; provincial health departments, 327; reduction of dental decay, 575.
FOOD, average personal expenditure in Canada, 438, 439.
FOOD ADDITIVES, detrimental effects on health, 102.
FOOD AND DRUG ACT, recommendation, 44; government health services, 326; definition of a drug, 343; drug formularies, 373; operations of drug wholesalers, 648; legislative control of sale and distribution of drugs, 717, 718; Medicare prescriptions in Manitoba, 718.
FOOD AND DRUG CONTROL, government health services, 326.
FOOD AND DRUG DIRECTORATE, recommendations, 42, 44; concerned with quality of drugs in Canada, 366–370; importance of role, 370–372; drug information service, 377; clinical testing in Canada, 708; FOOD AND DRUG REGULATIONS, health services performed by the federal government, 872.
FOOD INSPECTION, public responsibility, 7.
FOOD SAMPLES, government health activities, 328.
FOREIGN CONTROL, of Canadian drug industry, 655–656.
FOREIGN MEDICAL STUDENTS, in Canadian Medical Schools, 72.
FOUNDATIONS, Health Sciences Research Council, 81; for medical research, 667.
FOX, HAROLD G., Q.C., Trade Marks Act, 710, 711.
FRANK W. HORNER LIMITED, 646, 655.
FRATERNALS AND CO-OPERATIVES, number of persons with medical insurance, 728–729; average claims, 731.
FRAUD, government food and drug control, 326.
FREE TUITION, hospital schools of nursing, 64.
FRENCH LANGUAGE, University Schools of Nursing, 68.
FRONTIER MEDICINE, Memorial University, St. John’s, 70.
FROSST & CO., CHARLES E., 646, 655, 669, 685.
FULLER, PROF. H. J., retail distribution of drugs, 651, 830.

G

GALLBLADDER DISEASES, mortality rate and frequency of hospitalization, 188–190.
GARBAGE DISPOSAL, government’s current expenditures, 767.
GARDEN OF EDEN, changing concepts of health care and human happiness, 103.
GASTRO-ENTERITIS, death rate, 189.
GAUT, drugs dutiable, 713.
GEIGY PHARMACEUTICALS, DIVISION OF GEIGY (CANADA) LIMITED, 646.
GENERAL AND MARINE HOSPITAL, first hospital school of nursing, 231.
GENERAL HOSPITAL CAPITAL, cost allocated to private sector, 868.
APPENDIX D

GENERAL HOSPITAL FACILITIES, projected expenditures, 848.

GENERAL HOSPITALS, psychiatric units, 315; integration of mental and tuberculosis hospitals, 831.

GENERAL PRACTITIONER, the physician in the past, 230.

GENERAL PUBLIC HEALTH GRANT, general public health activities and services, 89.

GENERAL SURGERY, development of health services, 232.

GENERIC NAME DRUGS, advertising and promotion, 658-660; wider use recommended, 690; imports from Europe, 692; compared to equivalent brand names, 692.

GENITO-URINARY SYSTEM DISEASES, substantial decline in mortality, 156; percentage cause of disability, 207; share of total illness and health care, 212; expenditures on personal health care, 216, 217; hospital utilization, 308.

GEOGRAPHIC AREA, changing concepts of health care, 100.

GIFT SHOPS, in hospitals, 58.

GILBERT, DR. JULES R., drug imports, 691.

GIRLS, recruitment of nurses, 577; occupation chosen, 578.

GLASSES, provided to children, 50; projected cost, 824; estimated cost, 826; cost allocated to private sector, 868.

GOVERNMENT, development of health services, 231, 232; distribution of physicians, 249; health services, 324-329; sources of funds for health expenditures, 473; increase in spending for health care, 480-482; operation of modern industrial societies, 522; the education of nurses, 585; adequate health services planning, 605, 606; costs and prices of drugs, 642, 643; sales of drugs to, 647; retail distribution of drugs, 649; wider use of generic name drugs, 690; health insurance and government action, 723-745; unemployment, 759; universal agency in the nation, 771; past and projected expenditures, 771-786; revenue available to, 859; total revenue, 863.

GOVERNMENT EMPLOYEES, projected government spending, 779.

GOVERNMENT EXPENDITURES, and transfer payments in constant dollars, 775; by levels of government, 777; on goods and services, 780; on transfer payments and subsidies, 782-784; projected total, 784-786.

GOVERNMENT FUNDS, subsidize family heads or individuals, 725.

GOVERNMENT POLICIES, economic projections, 750.

GOVERNMENT SERVICES, measures of health in terms of fitness, 140.

GOVERNMENT-SPONSORED HEALTH SERVICES, summary and conclusions, 741.

GRADUATES, medical schools, 240.

GRANTS-IN-AID OF EDUCATION, per capita spending, 791; expenditures, 851-852; cost allocated to the public sector, 868; estimated private and public spending, 869.

GREAT BRITAIN, dental auxiliaries, 75, 76.

GREEKS, changing concepts of health, 97, 98.

GREEN BOOK, foreign control of drug industry, 655, 656; drug industry profits, 680; international comparison of drug prices, 696-701; exports of patented protected drugs, 706.

GREEN SHIELD PLAN, insurance covering drugs alone, 358-360; prescribing experience, 830.

GROOMS, changing structure of population, 110.

GROSSE ISLE, quarantine station set up, 230.

GROSS NATIONAL EXPENDITURE, on health care in western nations and Canada, 84, 85; percentage cost of health services, 425-431; proportion devoted to health services, 790; health expenditures as a percentage, 797; proportion on health services and health capital rising slightly, 806.

GROSS NATIONAL PRODUCT, health services and economic growth, 495; expenditures on prescribed drugs, 693; projected government spending, 749; economic projections, 752; projected growth of real output, 763-765; current dollars projections, 765, 766; future allocation of

(1) GREEN BOOK Report concerning the Manufacture, Distribution and Sale of Drugs, Restrictive Trade Practices Commission, Department of Justice, Ottawa. Available from the Queen's Printer, $5.00.
output, 767; in 1991, 788; private and public expenditures, 860; the level of taxation, 862; funds for private and public spending, 864.

GROUP CONTRACTS, commercial health insurance, 728; number of persons with medical insurance, 728.

GROUP PRACTICE, health manpower, 250; organization of medical practice, 544; quality of medical care, 550; bed requirements of hospitals, 596.

GROUP PRACTICE CLINICS, recommendations, 34.

GYNAECOLOGY, development of health services, 233.

HABILITATION, babies with congenital defects, 634.

HAMOTTA MEDICAL GROUP, co-operative group medical practice, 546, 547.

HANDICAPPED, THE, more effective rehabilitation procedures available, 157; main health problems, 203-209; rehabilitation services, 637.

HANDICAPPED, voluntary health services, 329-332.

HARELIP, care of the handicapped, 208.

HEALTH, proportion of government spending, on, 870.

HEALTH AND WELFARE, DEPARTMENT OF, shareable costs of medical education, 71.

HEALTH AND WELFARE, MINISTER OF, manufacture and administration of drugs, 342.

HEALTH AND WELFARE, DEPARTMENT OF, increased spending on drugs in Canada, 345; analyses of drug expenditures data, 349.

HEALTH APPLIANCES, operations of drug wholesalers, 648.

HEALTH CAPITAL, projection of output, 790; per capita spending, 790; "most likely" projection, 795; per capita expenditure, 795; real per capita spending, 797; estimated expenditure, 798; current dollar projection of spending, 800; projected expenditures, 802, 803; estimated growth rate, 804; projected per capita spending, 805; per capita cost to rise, 807; projected expenditure, 848; financing of health services, 866; estimated private and public spending, 869; estimated public spending, 876-877.

HEALTH CARE, changing concepts, 97; Newfoundland outports, Alaska Highway settlements, northern and Arctic regions, 121; increasing demand for services, 522; projected expenditures, 789; increasing expenditures, 868.

HEALTH CARE PROGRAMME, future increase in health expenditures, 749.

HEALTH CHARTER FOR CANADIANS, 11, 12; prepayment in the personal health care field, 83; means financing, 86.

HEALTH EDUCATION, changing concepts of health care, 101; government health services, 327; per capita spending, 791; expenditures by public authorities, 846; financing of health services, 866.

HEALTH EDUCATION GRANTS, expenditures, 848.

HEALTH EXPENDITURES, prospect of rich dividends, 6; rising costs of health services, 424, 425; percentage of Gross National Expenditure, 426-431; total expenditures, (1947-1961), 434; average annual percentage change in expenditures (1926-1961), 441, 442; all health services and hospital capital (1947-1961), 453; on individual health services, 457-472; methods of financing, 473-480; international comparison, 481-492; changing trends in government expenditures, 771; projections, 789; projected total, 801; private and public spending, 864, 865; estimated private and public spending, 867.

HEALTH FACILITIES AND SERVICES, hospitals, 298; mental health facilities, 309; tuberculosis facilities, 319; international comparison, 322; health services, 323; summary of developments, 338.

HEALTH FACILITIES DEVELOPMENT FUND, federal capital grants for university schools of nursing, 68; funds for renovation of medical schools recommended, 71; expansion and renovation of dental schools, 73; new dental schools, 73; construction of five new dental schools, 74; federal assistance, recommendations, 78; federal grants, 90.
HEALTH GRANT ACTS, pattern for financing health programmes, 872.

HEALTH GRANTS, allocated to the public sector, 868.

HEALTH HAZARDS, changing concepts of health care, 102.

HEALTH INDUSTRY, skilled professional and technical personnel, 116; development of modern health services, 234; contribution to economic growth, 759; significant role in economic growth, 856.

HEALTH INSURANCE, 10; evolution in Canada, 381–385; voluntary health insurance, 386–392, 727–733; public health insurance, 393–403; National Health Grants Programme, 404; public hospital insurance, 405; government action, 725–745; objectives and methods, 723–726; problems involved in subsidies, 734–740; issue of compulsion, 740; summary and conclusions, 740–745; administrative cost, 844; payroll deductions, 864; administrative costs, 866–868.

HEALTH INSURANCE ADMINISTRATION COST, estimated private and public spending, 869.

HEALTH INSURANCE ASSOCIATION, proposals, 742.

HEALTH MANPOWER, medical profession, 237–255; dental profession, 256–262; nursing profession, 263–279; paramedical personnel, 280–282; paradental personnel, 283–288; pharmaceutical profession, 289; optometrists, 290, 291; current supply of health personnel, 292.

HEALTH OCCUPATIONS, number of personnel in selected groups, 281, 282; median annual salaries (1956–1962), 587.

HEALTH PERSONNEL, education of health professions, 8; distribution, 9; remuneration, 12; provision of educational facilities, 12; crash programmes, 14; nurse education and recruitment, 62; the apprenticeship-type system, 63; two categories needed, 63; care of psychiatric nurses, 63; hospital school of nursing, 64; nursing education advisory committees, 65; university school of nursing, 66; recommendations, 67, 77; current supply, 292; population per physician, dentist, nurse and pharmacist, 293; international comparison, 294; record of health spending, 423; expenditures on educating, 472; present problems and future requirements, 521–592; organized home care, 625.

HEALTH PLANNING, changing concepts of health care, 101; record of health spending, 423; adequate health facilities and services, 605, 606.

HEALTH PLANNING COUNCILS, duplication of specialized equipment and personnel, 54.

HEALTH PROBLEMS IN CANADA, a general picture and summary, 154, 155, 156, 157.

HEALTH PROFESSIONS, education and self-regulation, 53; university grants, 77; pre-paying medical services, 723.

HEALTH PROFESSIONS EDUCATION GRANT, federal operating grants for university schools of nursing, 68.

HEALTH PROFESSIONS UNIVERSITY GRANTS, nurse education, 68, 77; medical education, 72, 77; dental education, 74, 77; through the Federal University Grant, 77.

HEALTH PROGRAMMES, projected trends in transfer payments, 782.

HEALTH RESEARCH, record of health spending, 423; decline in mortality and morbidity, 505, 506; per capita spending, 791; expenditures by public authorities, 846; financing of health services, 866; performed by federal government, 872.

HEALTH RESOURCES, expanding demand for medical and hospital services, 466–468.

HEALTH SCIENCES CENTRES, new approach to university medical education, 254; dental education, 262; future supply of physicians, 533.

HEALTH SCIENCES RESEARCH COUNCIL, research into the causes of mental illness, recommendation, 23; 36; research grants in ophthalmology, 50; creation and distribution of prosthetic devices, 60; research associateships, 72; programme of improved health statistics recommended, 83; priority recommended for enactment of necessary legislation, 92; economic benefits of health services, 517; drug research programme, 671.

HEALTH SERVICES, prepayment of, 9–12; concentration of population in urban centres, 121; factors affecting health status of Canadians, 229; government, 324; voluntary, 329; community, 333; for selected
groups, 333; in remote areas, 334; cost of, 423–493; economic benefits of, 495–517; role of government, 725; ability of voluntary insurance to provide universal comprehensive coverage, 727; number of persons insured, 727; costs of premiums, 735; government-sponsored, 741; issue of compulsion, 740; projection of output, 790; rapid increase in per capita spending, 791; “most likely” projection, 795; per capita expenditure, 795; real per capita spending, 797; estimated expenditure, 798; current dollar projections of spending, 800; estimated expenditures, 802, 803; estimated growth rate, 804; projected per capita spending, 805; per capita cost to rise, 807; financing of, 859–879; main responsibility in the private sector, 872, grants-in-aid, 873; estimated public spending, 876, 877; principles and recommendations, 82; the people, their health status, 107–225; the existing health services complex, 229–516; present problems and future requirements, 521–740; future health costs and the Canadian economy, 749–879.

HEALTH SERVICES ACT, MANITOBA, 397.

HEALTH SERVICES APPROACH, paying for health services, 723–725.

HEALTH SERVICES COMPLEX, development of health services, 229; manpower, 237; drugs as a health service, 339; evolution of health insurance in Canada, 381; cost, 423; economic benefits, 495.

HEALTH SERVICES INDUSTRY, economic growth, 495.

HEALTH SERVICES PROGRAMME, 11, 41; Gross National Expenditure, 84, 85, 86; priorities for the implementation of various parts, 91; priorities, 92; modern rehabilitation services and devices, 639; best solution for Canada, 743; substantial demands for funds, 745.

HEALTH SERVICES RESEARCH COUNCIL, absence of adequate data, 79; new disciplines, 79; integration of health research grants and functions, 80; recommendations, 80, 81.

HEALTH SPENDING, consumption or investment, 499–501; summary, 853.

HEALTH STATISTICS, health sciences research, 80; inadequacies and lack of co-ordination, 82; recommendations, 83. See also statistics.

HEALTH STATUS OF THE CANADIAN PEOPLE, mortality and life span, 142; main health problems, 54; relative magnitude of problem, 211; impact of illness at various ages, 217; health problems of the North, 220; concluding summary, 225.

HEALTH WORKERS, educational facilities, a public responsibility, 8.

HEARING AIDS, record of health spending, 423.

HEART DISEASE, changing concept of health care, 101; primary causes of disabilities, 205.

HELICOPTERS, organization of medical practice, 547.

HEPATITIS, unsolved health problem, 156; cases reported, (1952–1961), 165.

HERNIA, demand for selected services and mortality rate, 188–190.

HIGH SCHOOL AGE GROUP, projected population, 118, 119.

HINCHLIFFE COMMITTEE, voluntary restraint of drug prices, 720.

HIPPOCRATIC CORPUS, changing concepts of health, 72.

HISTORY, of health and health services in Canada, 229.

HOFFMANN—LA ROCHE LIMITED, 669.

HOLLINGER CONSOLIDATED GOLD MINES, evolution of health insurance, 382.

HOME CARE, integration of health services, 79; bed requirements of hospital, 596; lack of programmes, 601; effectiveness of health services, 608; organized home care, 624–633; services provided, 625–629; patients and their conditions, 629, 630; costs, 630–632; percentage distribution of home care patients, 629; average number of nursing visits, 630.

HOME CARE SERVICES, 56, 60; visiting nursing, 60, footnote; Blue Cross Plan of New York, 61; financing of home care programmes, 61, 62; recommendations, 61, 62; National Health Grant, 90.

HOME MAKERS, Community health services, 333.

HOME MAKING, organized health care, 627.
HOME NURSING, percentage, various disease groups, 157-202; main causes of illness and of the demand for health services, 215; organized home care, 626; private health expenditures, 866.

HOME NURSING CARE, projected expenditures, 840; introduction of programme of prescription glasses, 844; allocated to the public sector, 868.

HOME NURSING SERVICES, diabetics, 177; development of health services, 234.

HOMES FOR THE AGED, development be accelerated, recommendation, 26.

HOUSEHOLD OPERATIONS, average personal expenditure in Canada (1927-1961), 438, 439.

HOSPITAL ACCREDITATION COUNCIL, increased grants recommended, 53; granting of hospital privileges to physicians, 54.

HOSPITAL ASSOCIATIONS, statistics on complications and surgical operations, 54.

HOSPITAL BASED HOME CARE PROGRAMMES, new functions to hospitals, 836.

HOSPITAL BEDS, physicians’ services, 298; development of health services, 234; future need of, 595; overuse and underuse, 604; measures of determining bed requirements, 608; estimated beds set up for the mentally ill (1961-1971), 612; estimated stock of beds and occupancy rates (1961-1971), 614-617; significant changes expected, 620, 621.

HOSPITAL CAPITAL, cost of health services, 471.

HOSPITAL CARE, estimated days per 1,000 persons, 600; estimated days per 1,000 persons for mentally ill, 613; “most likely” projection, 795; projected expenditures, 831; volume in general and special hospitals, 832; most significant item of health spending, 832; historical trend of per diem cost, 833; estimated cost, 833, 834; per diem cost, 845.

HOSPITAL CONSTRUCTION, since 1948, 8; rising costs and government financing, 9; basic considerations, 606; estimated new construction (1966 and 1971), 616-619; expenditures, 851.

HOSPITAL CONSTRUCTION GRANTS, Dental Construction and Equipment Grant, 36, 56, 78; construction, expansion and renovation of university hospitals, 71; for the provision of health facilities, 89; mental hospital facilities, 312; bed-population ratio, 607.

HOSPITAL DAYS, percentage, various disease groups, 157-202; main causes of illness and of the demand for health services, 215.

HOSPITAL DENTAL DEPARTMENTS, recommendation, 39.

HOSPITAL DRUG FORMULARIES, widely used across Canada, 374.

HOSPITAL EQUIPMENT, development of health services, 234.

HOSPITAL FACILITIES, international comparison, 322, 323; projected expenditures, 848; total expenditures, 849; estimated expenditures, 850.

HOSPITAL FOR THE MENTALLY ILL, cost allocated to the public sector, 868.

HOSPITAL GRANTS, government transfer payments, 772.

HOSPITAL INDUSTRY, part-time female workers, 497.

HOSPITAL INSURANCE, students as part of the nursing service, 64, 65; responsibility of federal and provincial governments, 723.

HOSPITAL INSURANCE ACT, projected expenditures on hospital care, 831.

HOSPITAL INSURANCE ACT, B. C., 408.

HOSPITAL INSURANCE AND DIAGNOSTIC SERVICES ACT, recommendations, 25, 26, 30, 51; care of patients by registered nurses, 54; home care services, 61; health workers subsidized while in training, 66; hospitals associated with medical schools, 70; shareable costs of specialized functions of teaching hospitals, 71; priorities, 92; development of health services, 232; relationship between medical schools and teaching hospitals, 253; tuberculosis facilities, 319; government health grants, 324; supply of drugs as part of the insurance services, 355; evolution of health insurance in Canada, 392; health insurance in Newfoundland, 399; examination of the main principles of the Act, 410-416; future hospital utilization rates, 599; unnecessary hospitalization, 605; hospital bed-population ratio, 607; full coverage of outpatient services, 625; passed by unanimous
vote, 744; financing of health services, 868; pattern for financing health programmes, 872.

HOSPITAL INSURANCE AND DIAGNOSTIC PROGRAMME, changing pattern of Canadian health facilities and services, 338.

HOSPITAL INSURANCE PLAN, volume of hospital care measured, 100; drugs as a health service, 356.

HOSPITAL INSURANCE PROGRAMME, 19; national demand for health services, 445; hospital utilization rates, 601–608; universal programme feasible, 742; per capita spending on health services, 794; administrative cost, 844; financing of health services, 865.

HOSPITALIZATION, factors affecting rate, 601, 605.

HOSPITALIZATION ACT, SASKATCHEWAN, public health insurance, 396, 406.

HOSPITAL MANAGEMENT, loss of autonomy in some provinces, 605.

HOSPITAL PERSONNEL, increase in quality and quantity, 595; median annual salaries (1956–1962), 587.

HOSPITAL PHARMACIES, narcotics and central drugs, 44.

HOSPITAL SCHOOLS OF NURSING, affiliation to universities, 583.

HOSPITAL SEPARATIONS, percentage, various disease groups, 157–202.

HOSPITAL SERVICES, universal coverage, 51; quality of care, 51; out-patient services, 54; mental hospital care, 55; home care programme, 56; teaching hospitals, 56; tuberculosis sanatoria, 56; shareable costs, 56; prosthetic services and appliances, 58; home care services, 60; National Health Grants, 90; rising costs of drugs, 342, 349; estimated contribution to the growth rate of spending, 461; increased productivity, 464, 465; costs of premiums for health services, 735; average annual percentage change in expenditure, 842; estimated private and public spending, 869.

HOSPITAL SUPPLIES, economic benefits of health services, 496.

HOSPITAL UTILIZATION, health facilities and services, 302.

HOSPITALS, bulk purchasing of drugs recommended, 44; inspection of, 53; granting of privileges to physicians, 54; statistics on complications and surgical operations, 54; grants staff to ensure adequate standards of supervision, licensing and inspection, 54; care of patients by registered and student nurses, 54; staffing and equipping, 54; control of nursing education, 64; nursing education advisory committees, 65; associated with medical schools, 70; facilities (1961–1971), 94; growth in urban centres, 121; serving as medical centres for treatment, teaching and research, 121; health services in their beginnings, 230; outpatient departments, 253; hospital beds, 298–305; general and allied special hospitals, 298; estimated bed set up by class of hospitals, 299; chronic hospitals, 300; acute treatment beds, 300; chronic and convalescent beds, 302; hospital utilization, 302; optimum capacity, 316; increased purchases of drugs, 345; record of health spending, 423; gross investment (1945–1963), 433; accreditation, 549; dental facilities limited, 566; education and the quality of nursing care, 579; the education of nurses, 585; future need of nurses, 588; hospital care, 595; future utilization rates, 596–613; bed needs, 614–619; projected increases in hospital beds, 621; assistance to organized home care programme, 627; rehabilitation services available, 634; sales of drugs to, 647, 648, 649; funds for medical research, 667; difference between hospital and retail drug prices, 682–684; per capita spending, 791.

HOURS OF LABOUR, employment and hours worked projections, 760, 761; allocation of output, 766.

HOUSEHOLD REMEDIES, retail trade discounts, 687.

HOUSEKEEPING, organized home care, 627.

HOUSE OF COMMONS, special committee on the control of introduction, marketing and use of drugs, 350; special committee on social security, 51, 401.

HOUSEWIVES, intermediate health expenditures, 507.

HOUSING, 12; subsidies, 862.
HOUSING CONDITIONS, affecting the patient's health, 101.

HUGHES, DEAN F. N., retail distribution of drugs, 650.

HUMAN CAPITAL, national wealth, 500, 506; financing of health services, 861.

HUMAN LIFE, economic considerations, 495.

HUMAN PHARMACEUTICALS, drug manufacturers and distributors, 647; selling expenses, 661.

HYGIENE, responsibility of the individual, 4; changing concepts of health care, 101; decline in maternal mortality rate, 192.

HYGIENIST, THE, duties described, 283, 284.

ILLNESS, changing concepts of health, 98; age categories, 113; negative manifestations of health, 139; day-long and life-long, 203; at various ages, 217-220; estimated cost of, 509-517.

ILLNESS, DISABLING, percentage, various disease groups, 157-202; main causes of illness and of demand for health services, 215.

ILLNESS, NON-DISABLING, percentage, various disease groups, 157-202; main causes of illness and of demand for health services, 215.

IMMATURITY, early infancy mortality rate, 197, 198.

IMMIGRANTS, changing structure of population, 112; health manpower, 237; health examination performed by federal government, 872.

IMMIGRATION, of doctors to Canada, 69; changing pattern of income, 123; employment effects of health services, 497; possible source of supply of dentists, 556; future supply of nurses, 590.

IMMUNIZATION, responsibility of individual, 4; changing aspects of health care, 100; increased life expectancy, 102; personal health services, 324.

IMPORTERS, Trade Marks Act, 710.

INCAPACITY, changing concepts of health, 99.

INCOME, changing levels of income of Canadians, 122; changing structure of population, 123-137; per capita personal income by provinces, 151; medical group practice, 250; high consumer spending, 431; cost of health services, 436; the incentive to work, 861.

INCOME DISTRIBUTION, rural non-farm and urban for Canada, 126, 128, 129.

INCOME TAX, expenses for continuing medical education deductible, 72; financing of public services, 861; equalized incomes, 862.

INCOME TAX ACT, capital expenditures on research, 708.

INCOME TAX EXEMPTIONS, problems involved in subsidies, 735.

INDEMNITY, the nature of commercial insurance protection, 390.

INDEMNITY CONTRACTS, insurance approach, 724.

INDEPENDENCE, of the medical practitioner, 249.

INDIANS; federal responsibility, 9; health problems in the North, 222-225; health facilities and services, 297; tuberculosis services, 320, 321; government health services, 324; exclusive health services, 333; number of persons insured, 727.

INDIGENTS, public health activities, 7; provision of pharmaceutical services, 356, 357; organized home care, 625.

INDIRECT TAXES, governments' revenues, 863.

INDIVIDUALS, responsibility for health, 3.

INDUSTRIAL ACCIDENTS, government health services, 326.

INDUSTRIAL AND INTERNATIONAL RELATIONS, COMMITTEE ON, development of health services, 232.

INDUSTRIAL DISPENSARIES, retail distribution of drugs, 649.

INDUSTRIAL EMPLOYMENT, measures of health in terms of fitness, 140.

INDUSTRIAL RESEARCH, the Canadian patent system, 708.

INDUSTRIAL SOCIETIES, increasing demand for health services, 522.

INDUSTRIALIZATION, pressure on government expenditures, 772.

INDUSTRIALIZED CENTRES, changing structure of the population, 121.
NDUSTRY, distribution of physicians, 249.
INFANCY, mortality rates, 197.
INFANCY DISEASES, percentage share of total illness and health services, 212; hospital utilization, 308.
INFANT MORTALITY, age-sex specific mortality rates, 146; Canada's main health problem, 154.
INFECTIOUS DISEASES, elimination or postponement of fatality, 141; mortality reduced in lower age groups, 157; quarantine, case findings and follow-up, 167; percentage cause of disability, 207; share of total illness and health care, 212; expenditures on personal health care, 216, 217; health facilities and services, 300; hospital utilization, 308; government health activities, 328; record of health spending, 423.
INFLUENZA, death rates, 187.
INJURY, negative manifestations of health, 139.
INOCULATIONS, recommendations, 32.
IN-PATIENT HOSPITAL SERVICES, recommendations, 51.
IN-PATIENTS, hospital care, 603.
INQUIRIES, into the manufacture, distribution and sale of drugs in Canada, 350.
INSTITUTE OF TECHNOLOGY, training of dental auxiliaries, 76.
INSTITUTIONS FOR MENTALLY RETARDED, projection of cost, 839.
INSURABLE GROUP paying for health services, 723; insurance approach, 724.
INSURANCE COMPANIES, indemnity contracts, 724; scope of government action, 726; cost of insurance, 732.
INSURANCE FUND, general tax revenues, 726.
INSURANCE INDUSTRY, prepaying medical cares, 723.
INTEGRATION, of general, mental and tuberculosis hospitals, 597.
INTERNAL MEDICINE, development of health services, 232.
INTERNATIONAL CHILDREN'S FUND, Canada's international obligations, 6.
INTERNATIONAL CLASSIFICATION OF DISEASES, main health problems, 155.
INTERNATIONAL COMPARISON, cost of health services, 482-492.

ROYAL COMMISSION ON HEALTH SERVICES

INTERNATIONAL LABOUR OFFICE, Canada's international obligations, 6.
INTERNATIONAL OBLIGATIONS, professional health personnel for developing nations, 69.
INTERNATIONAL SURVEY LIMITED, advertising and promotion of drugs, 665.
INTERNATIONAL LABOUR OFFICE, Canada's international obligations, 6.
INTERNATIONAL SURVEY LIMITED, advertising and promotion of drugs, 665.
INTERNATIONAL LABOUR OFFICE, Canada's international obligations, 6.
INTERNATIONAL LABOUR OFFICE, Canada's international obligations, 6.
INTERNATIONAL LABOUR OFFICE, Canada's international obligations, 6.

K

KANT, changing concepts of health, 97.
KELLY, DR. A. D., advertising and promotion of drugs, 662.
KINGSTON GENERAL HOSPITAL, evolution of health insurance, 383.
KOOS, E. L., changing concepts of health, 98.

L

LABELLING, government food and drug control, 326.
LABORATOIRES NADEAU LIMITÉE, 646, 685.
LABORATORY SPACE, expenditures, 851.
LABORATORY TECHNICIANS, part of health army, 233; health manpower, 281, 282, 283; median annual salaries (1956–1962), 587.
LABOUR, DEPARTMENT OF, rehabilitation of workers, 515; problems involved in subsidies, 737.
LABOUR FORCE, changing concepts of health care, 100; potential suppliers of health workers, 116; distribution of married female labour force (1951 and 1961), 271; industrial health services, 334; employment effects of health services, 496–503; rehabilitation, 633; population growth, 752, 753; civilian labour force growth, 758; in 1991, 788.
LABOUR FORCE AGE GROUP, projected population, 118, 119.
LABOUR TURNOVER, economic benefits of health services, 505.
LAURENTIAN UNIVERSITY, federal grants for university schools of nursing, 68.
LAVAL UNIVERSITY, medical school graduates, 240; health sciences centre, 254; refresher courses, 255; future supply of physicians, 530; medical school faculty requirements, 530. See also UNIVERSITÉ LAVAL.
LEDERLE/CYANAMID OF CANADA LTD., 646, 655, 669, 694, 698, 699.
LEISURE, responsibility of individual, 4; changing structure of population and income, 123; substantial increase, 123; economic projections, 750; allocation of output, 766.
LEGISLATION, drug costs and prices, 701-718.
LEPROSY, rare diseases, 158.
LIFESPAN, general mortality trends in Canada (1931 to 1960), 142; measures available, 147; average age at death, 148; life expectancy at birth, 149.
LIFE-SUSTAINING DRUGS, recommendations, 39.
LITTLE, A. J., research by commercial drug firms, 667.
LIVER DISEASES, demand for selected services and mortality rate, 188–190.
LIVING STANDARDS, decline in maternal mortality rate, 192.
LOANS, to medical students, 538.
LOCAL HEALTH UNITS, organization and administration, 325.
LOCAL PRIDE, construction of hospitals, 601.
LONG-TERM ILLNESS, prosthetic services and appliances, 59; measurement of health in terms of illness, 141.
LORD, DR. A. R., nursing education, 581.
LOTTERIES, financing of health services, 87.
LOW BIRTH, changing pattern of family income, 123.
LUNG CANCER, cigarette smoking, 101; individual behaviour, 508.
M
MACHINERY, labour force, 753.
MACFARLANE, J. A., future supply of physicians, 530.
MALARIA, rare diseases, 154, 158.
MALE WAGE EARNERS, in the low earning range, 130, 131.
MALFORMATIONS, CONGENITAL, rate of mortality and hospital separations, 196, 204, 208.
MALNUTRITION, changing concepts of health care, 101.
MANAGEMENT OF HOSPITALS, control of nursing education, 164.
MANITOBA, loss of population due to interprovincial mobility, 122; percentage income distribution, 128; percentage of wage earners, 130–136; mortality rates in 1960, 147; infant and maternal mortality rate, 150, 193; per capita personal income (1959–1961), 151; maternal mortality rate, 193; population-physician ratio,
239; civilian physicians in metropolitan areas, 247; population-dentist ratio, 258, 260; population-nurse ratio, 265; bedside care in hospital schools of nursing, 277; preparation of psychiatric nurses, 279; practising licensed optometrists, (1931-1961), 291; estimated beds set up per 1,000 population and by class of hospitals, 299; acute treatment hospital beds, 301; chronic and convalescent hospital beds, 304; admission in hospitals per 1,000 population, 305; bed capacity of mental institutions, 310; occupancy of public mental institutions, 311; dental care benefits, 327; public health insurance, 397; over-all insurance administrative agency of authority, 413; methods of financing hospital insurance programme, 415; number of insured persons, 1963, 416; insured patient-days and rates (1959-1961), 418; percentage distribution of hospital-days of care in 1961, 419; patient-days in hospitals listed in hospital insurance agreements, 1961, 420; method of remunerating the physician, 543; dentists listed in Canadian Dental Association directory, 557; mobile dental clinics, 569; hospital utilization rates, 598; out-patient provisions of hospital insurance, 602; retail distribution of drugs, 652; tenders calling for drugs, 685; narcotics and controlled drugs, 718.

MANITOBA, GOVERNMENT OF, Report On the Retail Structure of Drug Prices, 350; brief submitted on the manufacture and distribution of drugs, 352.

MANITOBA HOSPITAL SERVICES PLAN, preparation of drug formularies, 375.

MANITOBA MEDICAL SERVICES, cost of medical care programme, 815.

MANITOBA MEDICARE PLAN, cost of free medication, 362.

MANITOBA PHARMACEUTICAL ASSOCIATION, sales of non-prescription drugs, 348; Report on the Retail Structure of Drug Prices in Manitoba, 350; brief submitted on the manufacture and distribution of drugs, 352; retail distribution of drugs, 653.

MANITOBA UNIVERSITY, medical school graduates, 240.

MANPOWER, to provide the health services recommended, 93; employment effects of health services, 496-499.

MANPOWER AND EMPLOYMENT, SPECIAL COMMITTEE OF THE SENATE ON, the unemployment problem, 759.

MAPLE GREEN, SASKATCHEWAN, medical group practice, 250.

MARITIME DENTAL SCHOOL, health manpower, 257.

MARITIME PROVINCES, public health insurance, 399.

MARRIAGE, and the nursing profession, 270.

MARRIED COUPLES, changing structure of income, 123.

MARRIED NURSES, future need of nurses, 590.

MARRIED PERSONS, changing structure of population, 108.

MARRIED WOMEN, in Canada's labour force, 120; changing structure of family income, 123.

MATERNAL AND CHILD HEALTH, government health services, 327.

MATERNAL DENTAL HEALTH PROGRAMME, recommendation, 38.

MATERNAL HELP, National Health Grants, 89.

MATERNITY, recommendations, 32; decline in maternal mortality, 192; percentage share of total illness and health services, 212; health services in their beginnings, 230; health facilities and services, 300; hospital utilization, 308; hospital care in Alberta, 405.

MAXILLO-FACIAL SURGERY, recommendations, 33.

MCMASTER UNIVERSITY, new medical school in 1968, 70, 71.

MEASLES, deaths reported (1952-1961), 165-166.

MEASUREMENT OF HEALTH, in terms of illness, 139.

MEASUREMENT OF MORTALITY, indicator of health conditions, 141.
MEAT INSPECTION, public responsibility, 7; recommendations, 53.
MEDICAL AUDIT COMMITTEE, accreditation of hospitals, 549.
MEDICAL CARE, prepayment plans, 29; deficiencies of prepayment plans, 30; development of health insurance, 232; responsibility for high standards, 254, 255; quality of medical services, 548–552; projected trends in transfer payments, 782; projected health expenditures, 868; projected expenditures, 811; cost in 1961, 815.
MEDICAL ECONOMICS, new function to hospitals, 836.
MEDICAL EDUCATION, recruitment, 69; Health Facilities Development Fund, 78; health sciences research, 80; National Health Grant, 90; fragmentation of medical care, 249; fundamental purpose, 251; new approach by universities, 254.
MEDICAL EXHIBITS, drug detailing expenses, 661.
MEDICAL EXPENSES, deductible from taxable income, 445; estimated per capita cost, 816.
MEDICAL INSURANCE, bed requirements of hospitals, 596; availability to all, 723; number of persons insured, 728–729; adequacy of coverage 730.
MEDICAL KNOWLEDGE, changing concepts of health, 98.
MEDICAL PRACTICE, organization of, 544–548.
MEDICAL PRACTITIONERS, provincial pharmacy acts, 717.
MEDICAL PROFESSION, health manpower, 237–255; population-physician ratio, 237; medical schools graduates, 240; physician migration, 241; death and retirement, 243; source of supply, 244; geographic distribution, 245; specialization, 248; education, 251; systematic drug evaluation, 674; lower drug prices, 690; imports of brand name drugs, 710; scope of government action, 226.
MEDICAL RECORD LIBRARIANS, health manpower, 281, 282, 283.
MEDICAL REHABILITATION, National Health Grants, 89.
MEDICAL RESEARCH, cost of health services, 470; cost of hospital care, 834.
MEDICAL RESEARCH COUNCIL, expanding role recommended, 80, 81.
MEDICAL SCHOOLS, capacity, 69; new medical schools in Canadian cities, 70; facilities (1961–1971–1991), 93; health manpower, 240; part-time teachers, 251; cost of health services, 469; student intake, faculty requirements, graduate students and post-doctoral fellows, 526–631; teaching posts estimated (1964–1971), 532; establishment of new, 533; university auspices, 533; community participation in planning, 534; government support, 534; educational resources, 534; support of related professional bodies, 535; teaching hospital facilities, 535; basic medical science schools, 535; enrolment (1948–1961), 537; quality of medical care, 550; systematic drug evaluation, 674; per capita spending, 791; cost of facilities, 851.
MEDICAL SCIENCE, decline in mortality and morbidity, 123.
MEDICAL SERVICES, the capitation system of paying physicians, 28; the general practitioner and the specialist, 29; the reimbursement system, 29; medical care prepayment plans, 29; solo practitioners, 30; equipment and auxiliary workers, 30; group practice facilities, 30; recommendations, 31–34; commercial insurance companies, 724; the question of prepaying, 723; cost of insurance, 732; cost of premiums for health services, 735; increased expenditures in future, 738; cost of programme, 744–745.
MEDICAL SERVICES GRANT, for specific disease categories, 90.
MEDICAL SOCIAL WORK, organized home care, 624; new functions to hospitals, 836.
MEDICAL SOCIETIES, home care programmes, 62.
MEDICAL STUDENTS, in hospital out-patient departments, 253; enrolment in Canadian universities, 537; average expenditure, 538; financial assistance, 538, 539; quality of medical care, 546, 550.
MEDICAL TECHNOLOGY, changing concepts of health care, 99.
MEDICARE, employer-employee method of prepayment, 86; objectives and methods of health insurance, 723.
MEDICARE PROGRAMME, health insurance in Saskatchewan, 397.

MEDICINAL CHEMICALS, imports of, 657, 658.

MEDICINAL PREPARATIONS, customs tariff, 713.

MEDICINE, changing concepts of health care, 99; scientific and technological advances, 229; employment effects of health services, 497.

MEDICINE CHESTS, organization of the medical practice, 548.

MEDICINE DEPOTS, recommendations, 34.

MEDICINE HAT GENERAL HOSPITAL, evolution of health insurance, 382.

MEMORIAL UNIVERSITY, federal grants for university schools of nursing, 68; medical school for the teaching of frontier medicine, 70, 71.

MEN, labour force projection, 753.

MENINGOCOELE, care of the handicapped, 208.

MENTAL DISEASES, negative manifestations of health, 139; low fatality rates, 141.

MENTAL DISORDER, changing concepts of health care, 100; first admissions and mortality rates, 181; percentage cause of disability, 207; share of total illness and health care, 212; expenditures on personal health care, 216, 217; hospital utilization, 308.

MENTAL HEALTH, health sciences research, 8; "ghetto attitude" towards those affected, 21; period of transition, 21; recommendations, 22-26; Health Facilities Development Fund, 78; National Health Grants, 88, 90.

MENTAL HEALTH CLINICS, public health activities, 7.

MENTAL HEALTH FACILITIES, mental institutions, 309; utilization and organization of facilities, 313-319.

MENTAL HEALTH SERVICES, future need of nurses, 586.

MENTAL HOSPITALS, recommendations, 55; obsolete, 521, future need of nurses, 590; re-orientation of mental health services, 609-611, 620; projected government spending, 779; integrated into general hospitals, 831; projection of costs, 839.

MENTAL ILLNESS, changing concepts of health, 98; development of health services, 232; reduction of disabling illness, 503; estimated cost of, 515, 517; value of lost productivity, 517.

MENTAL INSTITUTIONS, changing concepts of health care, 100; bed capacity, 310; overcrowding, 311; aged and senile admissions, 316.

MENTAL RETARDATION, causes of disabilities, 208.

MENTAL STRESS, indirect benefits of health services, 507.

MENTAL THERAPY, mental health facilities, 313.

MENTALLY ILL, increasing provision of health care, 445; indirect benefits of health services, 508; the psychiatric nurse, 584; estimated hospital bed requirements (1961-1971), 612; estimated days of hospital care (1961-1971), 613; estimated cost of hospital care 841.

MENTALLY RETARDED, hospital facilities, 316, number of patients, 317, 318, 319; cost of health services, 424; expenditures on facilities, 849.

MERCK SHARP & DOHME OF CANADA LTD., 646, 655, 658.

MERRELL COMPANY, THE WM. S., 646.

METABOLIC DISEASES, mortality and hospitalization trend, 175; percentage cause of disability, 207; share of total illness and health care, 212; expenditures on personal health care, 216, 217.

METROPOLITAN SCHOOL OF NURSING, WINDSOR, ONT., nursing education, 581.


MICROBIOLOGY, percentage distribution of medical teachers, 252; government health services, 328.

MIDWIVES, auxiliary nursing personnel, 279, 280.

MIGRATION, losses of Canadian doctors, 69; of physicians, 242; of dentists, 259; of nurses, 268.

MILK SAMPLES, government health activities, 328.

MIND AND BODY, changing concepts of health, 98.

MINING EMPLOYEES, evolution of health insurance, 382.
MIRACLE THERAPY, changing concepts of health care, 99.

MOBILITY, population and health services, 121.

MODERATION, changing concepts on health care, 102.

MONCTON, French language medical school, 70, 71.

MONOPOLY SYSTEM, drugs under patents, 701; compulsory licensing, 705.

MOTHERS, intermediate health expenditures, 507.

MOTHER'S ALLOWANCE, glasses, 826.

MONTREAL UNIVERSITY, medical school graduates, 240; health sciences centre, 254; medical school faculty requirements, 530. See also UNIVERSITÉ DE MONTRÉAL.

MORREL, Dr. C. A., drugs as health services, 340, 344, 368, 369.

MORBIDITY, measuring health in terms of illness, 139; negative manifestations of health, 139; integrated system of data collection suggested, 141; economic benefits of health services, 505-506.

MORTALITY, economic benefits of health services, 505, 506.

MORTALITY AND THE LIFE SPAN, general mortality trends in Canada (1931 to 1960), 142; age, sex, and regional differences, 143; life span, 147; Canada and other countries, 149; summary, 151.

MORTALITY, PREMATURE, percentage various disease groups, 157-202; main causes of illness and of health care demand, 215.

MORTALITY RATES, the people, their health status, 107, 108; children, 110; age-sex specific mortality rates, 111; the human capital, 861.

MOTOR ACCIDENTS, changing concepts of health care, 102.

MOWATT AND MOORE LIMITED, 685.

MUMPS, deaths reported, (1952-1961), 165, 166.

MUNICIPAL DOCTOR SYSTEM, health insurance in Saskatchewan, 395.

MUNICIPAL GOVERNMENTS, net expenditure on general and public health (1947-1961), 432; proportion of spending on health, 870; integrated and co-operative planning of health services, 872.

MUNICIPALITIES, development of hospital services, 231.

MUTUAL COMPANIES, number of persons with medical insurance, 728-729; average claims, 731.

MYERS, J. K., changing concepts of health, 98.

N

NARCOTICS, drug retailing, 689.

NARCOTICS AND CONTROL DRUGS, in hospital pharmacies, 44.

NARCOTICS CONTROL ACT, recommendations 44; government health services, 326; operations of drug wholesalers, 648; medicare prescription in Manitoba, 718.

NARCOTIC PREPARATIONS, operations of drug wholesalers, 648.

NATIONAL ACCOUNTS, basic data for projections, 767.

NATIONAL DEFENCE, DEPARTMENT OF, retail distribution of drugs, 649.

NATIONAL DENTAL EXAMINING BOARD, represented on Dental Auxiliary Advisory Training Committee, 76.

NATIONAL DRUG FORMULARY, recommendations, 42.

NATIONAL HEALTH GRANTS, for more staff to ensure adequate standards of supervision, licensing and inspection in hospitals, 54; health sciences research, 80; main categories, 88, 89; diseased oriented grants, 89; for professional training, 89; for children's dental health programme, 89; recommendations, 90-91.

NATIONAL HEALTH GRANTS PROGRAMME, recommendations, 36; introduction in 1948, 232; government health services, 325; evolution of health insurance in Canada, 404; stable supply of hospital beds, 420; organized home care, 625.

NATIONAL HEALTH INSURANCE PROGRAMME, health insurance and the federal government, 401.

NATIONAL HEALTH PROGRAMME, hospital construction, 606.

NATIONAL HEALTH AND WELFARE, DEPARTMENT OF, Dental Auxiliary Advisory Training Committee recommended, 76; health...
statistics, 82, 83; Canadian Drug Advisory Committee 370–372; hospital utilization in 1948, 309, 312; consulting functions, health services, 324; Indian Health Services, 333; Northern Health Services Division, 337; the drug formulary system, 375; effect of fluoridation on dental health, 575; retail distribution of drugs, 649; foreign control of the drug industry, 655; funds for medical research, 667; research in the drug field, 668.

NATIONAL HOUSING ACT, loans for “group practice clinics”, 34.

NATIONAL RESEARCH COUNCIL, grants to graduate students, 72; funds for medical research, 667; the Canadian patent system, 708.

NATURE OF MAN, changing concepts of health, 98.

NEOPLASMS, death rate, 169; demand for selected health services, 173; percentage cause of disability, 207; share of total illness and health care, 212; expenditure, on personal health care, 216, 217; hospital utilization, 308.

NERVOUS SYSTEM DISEASES, higher mortality, 156; trend in mortality and hospitalization, 183, 184; chronic disability, 205; percentage cause of disability, 207; share of total illness and health care, 212, expenditures on personal health care, 216, 217; hospital utilization, 308.

NEUROLOGISTS, shortage of, 22.

NEURO-Psychiatry, grants and training programme, recommendation, 22.

NEURO-SURGERY, grants and training programme, recommendation, 22.

NEW BRUNSWICK, loss of population due to interprovincial mobility, 122; percentage income distribution, 128, percentage of wage earners, 130–136; mortality rates in 1960, 147; infant and maternal mortality rate, 150, 193; per capita personal income (1959–1961), 151; maternal mortality rate, 193; population-physician ratio, 239; civilian physicians in metropolitan areas, 246; population-dentist ratio, 258, 260; population-nurse ratio, 265; bedside care in hospital schools of nursing, 277; practising licensed optometrists (1931–1961), 291; estimated beds set up per 1,000 population and by class of hospitals, 299; chronic and convalescent hospital beds, 304; admission in hospitals per 1,000 population, 305; bed capacity of mental institutions, 310; occupancy of public mental institutions, 311; over-all insurance administrative agency or authority, 413; methods of financing hospital insurance programme, 415; number of insured persons, 1963, 416; insured patient-days and rates (1959–1961), 418; percentage distribution of hospital-days of care in 1961, 419; patient-days in hospitals listed in hospital insurance agreements in 1961, 420; dentists listed in Canadian Dental Association directory, 557; subsidy for dental students, 561; hospital utilization rates, 598; out-patient provisions of hospital insurance, 602; drugs exempted from sales tax, 687.

NEW BRUNSWICK DENTAL SOCIETY, grants to dental students, 562.

NEW BRUNSWICK PHARMACEUTICAL SOCIETY, brief submitted on the manufacture and distribution of drugs, 352.

NEWFOUNDLAND, outports must be provided with health care, 121; loss of population due to interprovincial mobility, 122; percentage income distribution, 128; percentage of wage earners, 130–136; fewer minor illnesses than in British Columbia, 140; mortality rates in 1960, 147; infant and maternal mortality rate, 150, 193; per capita personal income (1959–1961), 151; maternal mortality rate, 193; population-physician ratio, 239; civilian physicians in metropolitan areas, 246; population-dentist ratio, 258, 260; population-nurse ratio, 265; bedside care of hospital schools of nursing, 277; practising licensed optometrists (1931–1961), 291; estimated beds set up per 1,000 population and by class of hospitals, 299; acute treatment hospital beds, 301; chronic and convalescent hospital beds, 304; admission in hospitals per 1,000 population, 305; bed capacity of mental institutions, 310; occupancy of public mental institutions, 311; air ambulance and floating clinic, 337; public health insurance, 399; over-all insurance administrative agency or authority, 413;
methods of financing hospital insurance programme, 415; number of insured persons in 1963, 416; insured patient-days and rates, (1959-1961), 418; percentage distribution of hospital-days of care in 1961, 419; patient-days in hospitals listed in hospital insurance agreements in 1961, 420; dentists listed in Canadian Dental Association directory, 557; scholarship and loan funds for dental students, 561; hospital utilization rates, 598; out-patient provisions of hospital insurance, 602; retail distribution of drugs, 653.

NEW ZEALAND, dental auxiliaries, 75, 76; mortality rates, 110.

Nickerson, Dr. Mark, Canadian Drug Advisory Committee, 371.

Nightingale School of Nursing, Toronto, nursing education, 581.

Non-farm area, number requiring subsidy, 139.

Non-group contracts, number of persons with medical insurance, 729.

Non-insurable group, insurance approach, 724.

Non-prescribed drugs, a definition, 339.

North, the, health problems, 220-225; health services in remote areas, 334-337; organization of the medical practice, 548.

Northern regions, must be provided with health care, 121.

Northwest territories, personal health services, 19; mortality rates in 1960, 147; infant and maternal mortality rate, 150, 193; health problems in the North, 222, 223; estimated beds set up per 1,000 population and by class of hospitals, 299; number of insured persons, 1963, 416; insured patient-days and rates (1959-1961), 418; percentage distribution of hospital-days of care in 1961, 419; patient-days in hospitals listed in hospital insurance agreements in 1961, 420; out-patient provisions of hospital insurance, 603.

Norway, general health conditions data, 150.

Nose specialists, development of health services, 233.

Nova Scotia, loss of population due to interprovincial mobility, 122; percentage income distribution, 128; percentage of wage earners, 130-136; mortality rates in 1960, 147; infant and maternal mortality rate, 150, 193; per capita personal income (1959-1961), 151; maternal mortality rate, 193; population-physician ratio, 239; civilian physicians in metropolitan areas, 246; population-dentist ratio, 258-260; population-nurse ratio, 265; bedside care in hospital schools of nursing, 277; practising licensed optometrists (1931-1961), 291; estimated beds set up per 1,000 population and by class of hospitals, 299; acute treatment hospital beds, 301; chronic and convalescent hospital beds, 304; admission in hospitals per 1,000 population, 305; bed capacity of mental institutions, 310; occupancy of public mental institutions, 311; health education activities, 327; brief submitted on the manufacture and distribution of drugs, 352; over-all insurance administrative agency or authority, 413; methods of financing hospital insurance programme, 415; number of insured persons in 1963, 416; insured patient-days and rates (1959-1961), 418; percentage distribution of hospital-days of care in 1961, 419; patient-days in hospitals listed in hospital insurance agreements in 1961, 420; organization of the medical practice, 557; mobile dental clinics, 565; hospital utilization rates, 598; out-patient provisions of hospital insurance, 603.

Nova Scotia Provincial Workers Association, evolution of health insurance, 382.

Nuclear reactors, regulation of operation, 326.

Nurses, education and recruitment, 62; the apprenticeship-type system, 63; two categories needed, 63; nursing assistants, 63; instructors, supervisors and administrators, 63; care of psychiatric patients, 63, 64; hospital school of nursing, 64; control of nursing education, 64, 65; new educational curriculum, 65; the University Schools of Nursing, recommendations, 67, 68, 69; manpower (1961-1971), 93; part of the health army, 233; increase in number registered, 264; number of active and registered nurses (1941-1961), 266;
population per nurse ratios in 1959, 267; enrolment in nursing schools, 268, 269; migration of graduate nurses, 270; marriage and the nursing profession, 270, 271; nature of employment, 270; private duty nursing, 270; distribution of married female labour force, 271; in major fields of nursing, 272; education, 273-280; international comparison, population–personnel ratio, 294; record of health spending, 423; training of, 468; future supply, 576; recruitment, 577; education and the quality of nursing care, 579; salaries of teaching nurses, 580; categories required, 582; post-graduate degrees, 583; the diploma nurse, 584; the psychiatric nurse, 584; the nursing assistant, 584; organized home care, 626, 629. See also REGISTERED NURSES.

NURSING, first hospital school of nursing, 231.

NURSING ASSISTANTS, health personnel, 63; rapid increase in number, 279; distribution of married female labour force, 271; educational programme, 584, 585.

NURSING CAREER, occupations chosen by girls, 578.

NURSING EDUCATION, educational needs of students, 64; advisory committees, 65; long overdue reform, 65; National Health Grant, 90; Health Facilities Development Fund, 78; the quality of nursing care, 579; charges in, 585.

NURSING ENROLMENT, in post-basic programmes, 278.

NURSING HOMES, effectiveness of health services, 608; retail distribution of drugs, 649.

NURSING PERSONNEL, reorganization, 585.

NURSING PROFESSION, population–nurse ratio, 263; graduates of schools of nursing, 266; migration of nurses, 268; marriage and the nursing profession, 270; nature of employment, 270; education of nurses, 273–277; supply and education of auxiliary nursing personnel, 279.

NURSING SCHOOLS, cost of health services, 469; per capita spending, 791.

NURSING STATIONS, recommendations, 34.

NUTRITION, Health Charter for Canadians, 12; changing concepts of health care, 101; government health services, 328.

NUTRITIONAL DISEASES, mortality and hospitalization trend, 175; percentage cause of disability, 207; share of total illness and health care, 212; expenditures on personal health care, 216, 217.

O

OBSTETRICAL CARE, recommendations, 32.

OBSTETRICS, development of health services, 233.

OCCUPATION, changing concepts of health care, 100.

OCCUPATIONAL DISEASES, government health services, 326.

OCCUPATIONAL RELATIONS, affecting the patient's health, 101.

OCCUPATIONAL THERAPISTS, recommendations, 60; part of the health army, 233; health manpower, 281, 282, 283; median annual salary (1956–1962), 857.

OCCUPATIONAL THERAPY, organized home care, 627; rehabilitation services in hospitals, 634.

OFFICE PERSONNEL, organization of medical practice, 544.

OLD AGE ASSISTANCE, higher health expenditures, 445; projected trends in transfer payments, 782; glasses, 826.

OLD AGE PENSIONS, government transfer payments, 772; private health expenditures, 864.

OLDER PEOPLE, mortality and the life span, 142.

ONTARIO, two new dental schools, 74; loss of population due to interprovincial mobility, 122; percentage income distribution, 128; percentage of wage earners, 130-136; mortality rates in 1960, 147; infant and maternal mortality rate, 150, 193; per capita personal income (1959–1961), 151; maternal mortality rate, 193; population-physician ratio, 239; civilian physicians in metropolitan areas, 247; population-dentist ratio, 258, 260; population-nurse ratio, 265; bedside care in hospital schools of nursing, 277; practising licensed optometrists (1931–1961), 291; estimated beds set up per 1,000 population and by class of
hospitals, 299; acute treatment hospital beds, 301; chronic and convalescent hospital beds, 304; admission in hospitals per 1,000 population, 305; bed capacity of mental institutions, 310; occupancy of public mental institutions, 311; percentage grants for approved health services, 325; dental care benefits, 327; public health insurance, 398; over-all insurance administrative agency or authority, 413; methods of financing hospital insurance programme, 415; number of insured persons in 1963, 416; insured patient-days and rates (1959–1961), 418; percentage distribution of hospital-days of care in 1961, 419; patient-days in hospitals listed in hospital insurance agreements in 1961, 420; dental auxiliaries needed and possible output, 514; dentists listed in Canadian Dental Association directory, 557; mobile dental clinics, 565; hospital utilization rates, 598; out-patient provisions of hospital insurance, 602; drug manufacturing establishments, 643; prescription drugs exempted from sales tax, 687.

ONTARIO ASSOCIATION OF MEDICAL CLINICS, organization of the medical practice, 544.

ONTARIO COLLEGE OF PHARMACY, brief submitted on the manufacture and distribution of drugs, 352; Canadian Formulary, 373.

ONTARIO COMMITTEE ON FLUORIDATION, recommendations, 37.

ONTARIO DEPARTMENT OF HEALTH, competition in drug industry, 684.

ONTARIO HOSPITAL SERVICES COMMISSION, drugs as a health service, 356.

ONTARIO HOSPITAL SERVICES PLAN, co-operative health insurance plans, 389.

ONTARIO LEGISLATURE, SELECT COMMITTEE OF, Report on the Cost of Drugs, 350; retail distribution of drugs, 652, 655; advertising and promotion of drugs, 659, 663; research by commercial drug firms, 667, 670; lack of information dealing with drugs, 672.

ONTARIO RETAIL PHARMACISTS' ASSOCIATION, brief submitted on the manufacture and distribution of drugs, 352; retail distribution of drugs, 652; standardization in marketing drugs, 655.

OPERATING ROOM TECHNICIANS, health manpower, 279, 280.

OPERATIONAL RESEARCH, cost of hospital care, 834.

OPHTHALMOLOGISTS, medical specialists, 46; payment for refractions, 47; optometrists in the programme, 47; increased training, 48; in the Canadian Forces Medical Services, 49; recommendations affecting, 49, 50.

OPHTHALMOLOGY, post-graduate studies, 72; development of health services, 233.

OPPUM AND NARCOTICS CONTROL ACT, legislative control of the sale and distribution of drugs, 717, 718.

OPTICAL SERVICES, recommendations, 49, 50; health sciences research, 80; National Health Grant, 90.

OPTICIANS, recommendations, 46.

OPTOMETRISTS, prescription of spectacles and corrective lenses, 46; refractionists 46; shortage of, 46; not medically qualified, 47; cyclopegic, 47; brief presented to Commission, 47; in the Canadian Forces Medical Services, 49; recommendations affecting, 49–50; development of health services, 233; health manpower, 290; record of health spending, 423.

OPTOMETRISTS’ SERVICES, projected expenditures, 840.

ORAL PATHOLOGY, dental specialties in Canada, 567.

ORNITHOSIS, rare diseases, 158.

ORTHODONTICS, dental specialties in Canada, 567.

ORTHOPAEDIC APPLIANCES, private health expenditures, 866.

ORTHOPAEDIC SURGERY, development of health services, 233.
ORTHOPAEDICS, health facilities and services, 300.
ORTHOTIC DEVICES, recommendations, 33.
ORTHOPHARMACEUTICAL (CANADA) LTD., 646.
OSTEOPATHS, record of health spending, 423; projected expenditures, 840.
OTOLOGY, development of health services, 233.
OTTAWA UNIVERSITY, medical school graduates, 240.
OUT-PATIENT CARE, hospital insurance programmes, 601; a public health expenditure, 868.
OUT-PATIENT CLINICS, Health Charter for Canadians, 8; bed requirement of hospitals, 596.
OUT-PATIENT SERVICES, recommendations, 51, 54, 55; teaching of medical students, 253.

P
PACKAGES, commercial health insurance, 390.
PACKAGING MATERIALS, drug costs and prices, 675, 676.
PAEDIATRIC PSYCHIATRY, grants and training programme, recommendation, 22.
PAEDIATRICS, development of health services, 233, 300.
PAEDODONTICS, dental specialties in Canada, 567.
PAGE, SIR EARLE, Australian Medical Benefits Programme, 744.
PAIN-KILLING DRUGS, 39.
PANCREAS DISEASES, mortality and hospitalization rates, 188-190.
PARAMEDICAL PERSONNEL, medical group practice, 250; employment trends, 281; health manpower, 280-282.
PARASITIC DISEASES, mortality reduced in lower age groups, 157; quarantine, case findings and follow-up, 167; hospital utilization, 308.
PARENTS, babies and children with congenital deformities, 59.

ROYAL COMMISSION ON HEALTH SERVICES
PARKE-DAVIS & COMPANY, LTD., 646, 655, 669, 685.
Parliament of Canada, wider use of generic name drugs, 690.
PARTNERSHIP, private medical practice, 249.
PASTEUR, development of health services, 230, 231.
PASTEURIZATION, public responsibility, 7.
PATENTABLE DISCOVERIES, recommendation, 44.
PATENT ACT, recommendations, 42; licensing of imports of drugs, 692; drugs under patents, 701-709; clarification of Act suggested, 707.
PATENT MEDICINES, drug manufacture, 646; wholesale distribution, 648.
PATENT OFFICE, foreign control of drug industry, 656.
PATENT SYSTEM, principal aims, 707; controversy about importance, 708; abolition recommended, 708, 709.
PATENTS ON DRUGS, the Canadian system, 701-709; compulsory licensing, 705; abolition of, 706, 707; research and invention in the drug industry, 708.
PATHOLOGY, schools of optometry, 48, 49; post-graduate studies, 72; development of health services, 233; percentage distribution of medical teachers, 252; government health activities, 328.
PATIENTS, integration of health services, 79; health affected by housing conditions and occupational and family relations, 101.
PAYROLL DEDUCTIONS, private health insurance, 864.
PENICILLIN, production in Canada discontinued, 658.
PENROSE, MRS. EDITH T., the patent system, 705.
PENSION PLANS, labour force projection, 753.
PENSIONS, development of health services, 232.
PENSIONS AND NATIONAL HEALTH, DEPARTMENT OF, health insurance and the federal government, 399.
PENSIONS FOR THE BLIND, private health expenditures, 864.
PER DIEM PATIENT PAYMENT, 58.
APPENDIX D

PERIODONTICS, dental specialties in Canada, 567.

PERMANENT DISABILITIES, prosthetic services and appliances, 59.

PERSONAL HEALTH CARE, record of health spending, 423.

PERSONAL HEALTH SERVICES, average personal expenditure in Canada (1927-1961), 438, 439; per capita expenditures, 451, 452; estimated expenditures, 843; projected expenditures, 845; percentage distribution of estimated expenditures, 847; estimated private and public spending, 869; estimated per capita spending, 871.

PERSONALITY DISORDERS, first admissions and mortality rates, 181; percentage cause of disability, 207; share of total illness and health care, 212; expenditures on personal health care, 216, 217; hospital utilization, 308.

PEST CONTROL, public responsibility, 7.

PETT, DR. L. B., research in the drug field, 668.

PFIZER CANADA, 646, 655, 669.

PHARMACEUTICAL AND ALLIED INDUSTRIES, COMMITTEE ON RESEARCH, manufacture and distribution of drugs, 351.

PHARMACEUTICAL ASSOCIATION OF BRITISH COLUMBIA, drug therapy in mental illness and tuberculosis, 346; decrease of self-medication, 348; brief submitted on the manufacture and distribution of drugs, 352; retail distribution of drugs, 653.

PHARMACEUTICAL ASSOCIATIONS, surveys on the manufacture, distribution and sale of drugs, 353, 354.

PHARMACEUTICAL CHEMISTS, governing bodies and trade associations control, 717.

PHARMACEUTICAL INDUSTRIES, economic benefits of health services, 496.

PHARMACEUTICAL PREPARATIONS, customs tariff, 713.

PHARMACEUTICAL PROFESSION, health manpower, 289.

PHARMACEUTICAL RESEARCH, in Canada and in United States, 670.

PHARMACEUTICALS, development of health services, 233.

PHARMACISTS, part of the health army, 233; international comparison population per pharmacist, 289; international comparison population-personnel ratio, 294; employed by drug wholesalers, 648; various services provided by, 649, 650; retail distribution of drugs, 651-652; advertising and promotion of drugs, 660; buying co-operatives, 686; variation in drug prices, 687; professional dispensing fee, 688, 689; provincial pharmacy acts, 717; governing bodies and trade associations, 717; drug legislation, 717.

PHARMACOLOGY, percentage distribution of medical teachers, 252; courses in the economics of drugs, 674.


PHARMACY, undergraduate student enrolment, 288; licensing system for profession, 718.

PHILANTHROPY, private facilities for organized care, 9; construction of hospitals, 601.

PHYSICAL CHEMISTRY, changing concepts of health care, 99.

PHYSICAL EXAMINATIONS, changing concepts of health care, 101.

PHYSICAL FORCES, impinging upon the sick person, 100.

PHYSICAL MEDICINE, post-graduate studies, 72; rehabilitation services in hospitals, 634.


PHYSICIAN-POPULATION RATIO, health manpower, 237-239.

PHYSICIAN’S OFFICE, a description, 229, 230.

PHYSICIANS’ SERVICES INCORPORATED, physiological and preventive health services, 203.

PHYSICIANS, a close hospital connection, 52; granting of hospital privileges to, 54; recruitment, 69; manpower (1961-1971-1991), 93; role in the past, 229, 230; training in United States, 243; death and retirement, 243; sources of supply, 244; geographic distribution, 245, 246, 247; specialization, 248; group practice, 250; employed outside traditional practice, 250, 251; international comparison, population-personnel ratio, 294; hospital beds and physicians’ services, 298; promotional liter-
nature of drug manufacturers, 341; hospital drug formulary, 374, 375; record of health spending, 423; cost of health services, 447; the supply of medical services, 462; future supply of, 523–552; population-physician ratio (1961–1991), 524; projected supply (1961–1991), 525; immigration of, 526; student intake, 526, 527; method of increasing supply of, 528; recruitment of, 536–541; level of income, 539, 540; method of remunerating, 541; organization of medical practice, 544–548; quality of medical care, 550; future supply of, 552; projected supply and population-physician ratio (1961–1991), 593; use of hospital beds and facilities, 601–608; organized home care, 626–629; retail distribution of drugs, 649; advertising and promotion of drugs, 659, 660; drug prescription, 671; lack of information dealing with drugs, 671–672; costly drugs, 701; prepayment of medical services, 724, 725; projected average gross earnings, 808; average annual percentage change, 812; increased productivity, 813; gross income will rise, 813.

PHYSICIANS’ SERVICES, percentage, various disease groups, 157–202; main causes of illness and of demand for health services, 215; estimated contribution to growth rate of spending, 461; expenditures by Canadians, 730; projected expenditures, 808; estimated cost, 809; estimated private and public spending, 869.

PHYSICS, changing concepts of health care, 99.

PHYSIOLOGY, schools of optometry, 48, 49; changing concepts of health care, 99; percentage distribution of medical teachers, 252.

PHYSIOTHERAPISTS, recommendations, 60; part of the health army, 233; median annual salaries (1956–1962), 587.

PHYSIOTHERAPY, recommendations, 33; organized home care, 624, 627; rehabilitation services in hospitals, 634.

PILOTS, measures of health in terms of fitness, 140.

PLACEMENT, modern rehabilitation services, 637.

PLAGUE, rare diseases, 158.

PLANNING AGENCIES, integration of health planning, 12.

PNEUMONIA, death rates, 187; certain diseases of early infancy, 198; chief cause of death in the North, 223.

PODIATRIC TREATMENT, recommendations, 33; projected expenditures, 840.

POISONING, percentage of illness, health care and mortality rate, 200–202; percentage cause of disability, 207; share of total illness and health care, 212; expenditures on personal health care, 216, 217; hospital utilization, 308.

POISON SCHEDULE, restrictions on sale of drugs, 718.

POLICEMEN, measures of health in terms of fitness, 140.

POLIOMYELITIS, changing concepts of health care, 99; cases and deaths, (1951–1961), 161; reduction of disabling illness, 503.

POLICE PROTECTION, governments current expenditures, 767.

POLICE SERVICES, projected government spending, 779.

POLITICS, construction of hospitals, 601.

PONOKA MENTAL INSTITUTE, drug price trends, 696.

POPULATION, expanding demands for qualified physicians, 69; changing structure and income, 107–136; population growth, 107; age and sex structure, 113; implications for health needs, 113; implications for labour projections, 114; urban-rural distribution, 121; cost of health services, 446, 450; rising standard of living, 501; changes in size, age structure and mobility, 521, 522; insurable and non-insurable groups, 724–725; projection, 752; in 1991, 788.

POPULATION-Physician RATIO, health manpower, 237–239.

POPULATION-Dentist RATIO, health manpower, 256; Canada and selected countries, 257.

POPULATION-Nurse RATIO, health manpower, 263; Canada and provinces, 265.

POPULATION STRUCTURE, changing concepts of health care, 100.

PORTABILITY OF HEALTH CARE, mobility of population, 20, 122.

POULENC LIMITÉE, 646, 669.
APPENDIX D

POVERTY, families with low real incomes, 137.

PRACTITIONERS, types of practice, 249.

PRAIRIE PROVINCES, dental auxiliaries needed and possible output, 514.

PRE- AND POST-NATAL CARE, responsibility of individual, 4.

PREGNANCY, certain diseases of early infancy, 198.

PREMATURE MORTALITY, greater among males, 143.

PREMIUMS, commercial health insurance, 391.

PRENATAL CARE, personal health services, 324.

PRE-OPERATIVE CARE, recommendations, 32.

PREPAYMENT PLANS, extension to entire population, 69; employer-employee financing of health services, 86; early beginnings, 231, 232; relationship between medical school and teaching hospital affected by, 253; costs of medical services, 382; in competition with insurance industry, 391; record of health spending, 423; hospital admission, 605; costs of prescribed drugs, 642; medical profession-sponsored, 724; number of persons insured, 727; number of persons with medical insurance, 728-729; average claims, 731; cost of insurance, 732.

PRE-SCHOOL AGE GROUP, projected population, 118, 119.

PRESCRIBED DRUGS, recommendations, 39; a definition, 339; a class of purchases, 347; record of health spending, 423, 425; estimated contribution to growth rate of spending, 461; increased consumption, 465; private health expenditures, 866; cost allocated to public sector, 868; estimated private and public spending, 869.

PRESCRIBED GLASSES, private health expenditures, 866; estimated private and public spending, 869.

PRESCRIPTION DRUGS, increased spending on drugs in Canada, 344, 345; consumer expenditures, 352.

PRESCRIPTION GLASSES, projected expenditures, 840.

PRESCRIPTION GLASSWARE, operations of drug wholesalers, 648.

PRESCRIPTION SERVICES INC., brief submitted on manufacture and distribution of drugs, 352; insurance scheme for drugs alone, 357-360, 362; advertising and promotion of drugs, 659; plan for prescribed drugs, 829.

PRESCRIPTIONS, standard price and fee schedule, 41; percentage, various disease groups, 157-202; main causes of illness and of demand for health services, 215; advertising and promotion of drugs, 659, 660; drug costs and prices, 675-721; pricing guides, 688; sale restrictions, 718; provincial pharmacy acts, 717, 718.

PREVENTIVE SERVICES, recommendations, 32; health status of Canadian people, 202, 203.

PRICE COMPETITION, drug retailing, 689.


PRICE INDEX, drug prescriptions, 693.

PRICES, of drugs and pharmaceutical products, 675–721.

PRICING GUIDES, prescription drug retailing, 688.

PRINCE EDWARD ISLAND, loss of population due to interprovincial mobility, 122; percentage income distribution, 128; percentage of wage earners, 130–136; mortality rates in 1960, 147; infant and maternal mortality rate, 150, 193; per capita personal income (1939–1961), 151; maternal mortality rate, 193; population-physician ratio, 239; population-dentist ratio, 258, 260; population-nurse ratio, 265; practising licensed optometrists, (1931–1961), 291; estimated beds set up, per 1,000 population and by class of hospitals, 299; acute treatment hospital beds, 301; chronic and convalescent hospital beds, 304; admission in hospitals per 1,000 population, 305; bed capacity of mental institutions, 310; occupancy of public mental institutions, 311; over-all insurance administrative agency
or authority, 413; methods of financing hospital insurance programme, 415; number of insured persons in 1963, 416; insured patient-days and rates (1959–1961), 418; percentage distribution of hospital-days of care in 1961, 419; patient-days in hospitals listed in hospital insurance agreement in 1961, 420; dentists listed in Canadian Dental Association directory, 557; mobile dental clinics, 565; hospital utilization rates 598; out-patient provisions of hospital insurance, 603.

PRIORITIES, shortage of health personnel, 91; recommendations, 91, 92; a Federal-Provincial Conference suggested, 91.

PRIVATE ENTERPRISE, unemployment, 760.

PRIVATE EXPENDITURES, balance between private and public expenditures, 860.

PRIVATE HEALTH INSURANCE, demand for health services, 445.

PRIVATE NURSING SERVICES, cost allocated to private sector, 868.

PRIVATE SECTOR, financing of health services, 865.

PROBLEMS, see also HEALTH PROBLEMS.

PROCESSED FOODS, and health industry, 436.

PROCESS PATENT, patents relating to food and drugs, 679–681.


PROMISED LAND, changing concepts of health care and human happiness, 103.

PROMOTION, of drugs and pharmaceutical products, 658–666.

PROPRIETARY DRUGS, retail trade discounts, 687.

PROPRIETARY MEDICINE, purchased direct from distributors, 339; drug manufacturers and distributors, 647; wholesale distribution, 648.

PROPRIETARY OR PATENT MEDICINE ACT, government health services, 326; legislative control of the sale and distribution of drugs, 717.

PROSTHETIC APPLIANCES, record of health spending, 423; projected expenditures, 840.

PROSTHETIC DEVICES, recommendations, 33, 60; congenital malformations, 197; unprecedented expansion, 216; voluntary health facilities, 331; introduction for programme of prescription glasses, 844.

PROSTHETIC SERVICES, in hospitals, 58; health sciences research, 80; National Health Grant, 90.

PROSTHODONTICS, dental specialties in Canada, 567.

PROTECTIVE MEASURES, sanitary inspections, 52, 53.

PROVINCES, co-insurance charges, hospitalized welfare recipients, 58; personal health services programme provincially organized and administered, 84, 86; percentage income distribution, 128; percentage of wage earners, 130–136; mortality rates in 1960, 147; infant and maternal mortality rate in 1959, 150; per capita personal income (1959–1961), 151; maternal mortality rate per 100,000 live births in 1961, 193; maternal mortality rate, 193; first plans for medical care insurance, 232; population-physician ratio, 239; civilian physicians in metropolitan areas, 246, 247; population-dentist ratio, by size of community, 258.
APPENDIX D

260; licensing and registration of nurses, 263; population-nurse ratio, 265; bedside care in hospital schools of nursing, 277; practising licensed optometrists (1931-1961), 291; estimated beds set up, per 1,000 population and by class of hospitals, 299; acute treatment hospital beds, 301; hospital utilization, 302, 303; chronic and convalescent hospital beds, 304; admission in hospitals per 1,000 population, 305; bed capacity of mental institutions, 310; occupancy of public mental institutions, 311; treatment of tuberculosis, 319, 320; government health activities and assistance, 324-329; supervision of public health nursing activities, 327; dental care benefits, 327; public health laboratories, 328; health services in remote areas, 334-337; public interest in the manufacture and sale of drugs, 350; the provision of pharmaceutical services to indigenes, 356, 357; drug formularies, 375; over-all insurance administrative agency or authority, 413; methods of financing hospital insurance programme, 415; number of insured persons, 1963, 416; insured patient-days and rates (1959-1961), 418; percentage distribution of hospital-days of care in 1961, 419; patient-days in hospitals listed in hospital insurance agreements in 1961, 420; increasing provision of hospital care, 445; financial assistance to medical students, 539; dentists listed in Canadian Dental Association directory, 557; regulations governing the registration of pharmacists, 650; provincial pharmacy acts, 717, 718.

PROVINCIAL COLLEGES OF PHYSICIANS AND SURGEONS, special courses in psychiatry, 22; disciplinary powers, 31.

PROVINCIAL DENTAL ASSOCIATIONS, women into dental profession, 74.

PROVINCIAL DEPARTMENTS OF EDUCATION, women into dental profession, 74.

PROVINCIAL GOVERNMENTS, net expenditure on general and public health (1947-1961), 432; funds for medical research, 667; voluntary drug price restraint programme, 721; responsibility for health services, 860; proportion of spending on health, 870; integrated and co-operative planning of health services, 872.

PROVINCIAL HOSPITAL INSURANCE AGENCIES, more frequent inspections of hospitals, 53; staffing and equipping of hospitals, 54.

PROVINCIAL SCHOOLS OF PHARMACY, recommendations, 41.

PSYCHIATRIC CARE, voluntary health organizations, 330; bed requirements of hospitals, 596.

PSYCHIATRIC CONDITIONS, health facilities and service, 300.

PSYCHIATRIC DISORDERS, disquieting factors, 156; magnitude of problem, 182, 183.

PSYCHIATRIC IN-PATIENT FACILITIES, general characteristics, 314.

PSYCHIATRIC NURSES, shortage, 22; nurse education and recruitment, 64; health manpower, 279; educational programme, 584.

PSYCHIATRIC NURSING, training grants, recommendation, 22.

PSYCHIATRIC PATIENTS, hospital care, 596.

PSYCHIATRIC SOCIAL WORK, new functions to hospitals, 836.

PSYCHIATRIC SOCIAL WORKERS, shortage, 22.

PSYCHIATRIC UNITS, in general hospitals, 315.

PSYCHIATRIC WINGS, in all general hospitals, recommendation, 25, 26.

PSYCHIATRISTS, shortage, 22; mental health facilities, 313.

PSYCHIATRY, grants and training programme, recommendations, 22; post-graduate studies, 72; changing concepts of health care, 99; development of health services, 232.

PSYCHOANALYSTS, mental health facilities, 313.

PSYCHOLOGISTS, recommendations, 23; modern rehabilitation services, 637.

PSYCHONEUROTIC DISORDERS, first admissions and mortality rates, 181; percentage cause of disability, 207; share of total illness and health care, 212; expenditures on personal health care, 216, 217; hospital utilization, 308.

PUBLIC AGENCIES, bulk purchasing of drugs recommended, 44.

PUBLIC AUTHORITIES, cost of health services, 470; health expenditures, 846.

PUBLIC ASSISTANCE RECIPIENTS, number of persons insured, 727; problems involved in subsidies, 737; cost of programme, 824;
projected cost of glasses, 824; estimated cost of glasses, 827; introduction of programme of prescription glasses, 844.

PUBLIC ASSISTANCE RECIPIENTS' PROGRAMME FOR DENTAL CARE, allocated to public sector, 868.

PUBLIC ASSISTANCE RECIPIENTS' PROGRAMME FOR GLASSES, allocated to public sector, 868.

PUBLIC EXPENDITURES, balance between private and public expenditures, 860.

PUBLIC HEALTH, definition broadened, 7.

PUBLIC HEALTH DEPARTMENTS, home care programmes, 62.

PUBLIC HEALTH EXPENDITURES, larger share to public sector, 868; projected expenditures in constant dollars, 869; cost shared between federal and provincial governments, 872-873.

PUBLIC HEALTH GRANTS, financing of community-based home care programmes, 62.

PUBLIC HEALTH INSURANCE IN CANADA, evolution, 383-386; British Columbia, 393; Alberta, 394; Saskatchewan, 395; Manitoba, 397; Ontario, 398; Quebec, 398; Maritime Provinces, 399; Newfoundland, 399; health insurance and the federal government, 399-404.

PUBLIC HEALTH LABORATORIES, government health services, 328.

PUBLIC HEALTH NURSING, expenditures by public authorities, 846.

PUBLIC HEALTH RESEARCH GRANT, related to public health, 89.

PUBLIC HEALTH SERVICES, estimated private and public spending, 869; per capita spending, 790.

PUBLIC HOSPITAL INSURANCE, in western provinces, 405-409; in Newfoundland, 410; Hospital Insurance and Diagnostic Services Act, 1957, 410; number of insured persons, 416; volume of care, 417.

PUBLIC INTEREST, in individual health, 4; in manufacture, distribution and sale of drugs, 350, 351.

PUBLIC SECTOR, financing of health programmes, 865.

PUBLIC, THE, costs and prices of drugs, 642.

PUBLIC INTEREST, in individual health, 4; in manufacture, distribution and sale of drugs, 350, 351.

PUBLIC INTEREST, in individual health, 4; in manufacture, distribution and sale of drugs, 350, 351.
APPENDIX D

RADIATION TECHNICIANS, part of health army, 233; health manpower, 281-282; median annual salaries (1956-1962), 587.

RADIOLOGY, post-graduate studies, 72; development of health services, 232.

RARE DISEASES, health status of Canadian people, 158, 159.

RATES, increase in hospital admission rates, 303.

RAW MATERIAL, components of drug costs, 676, 677.

RECOMMENDATIONS:

I. HEALTH SERVICES, 18; Health Services Programme: principles and policies (No. 1), 19; mental health, alcoholism, and drug addiction (Nos. 2-28), 22-28; medical services (Nos. 29-38), 31-34; dental services (Nos. 39-57), 36-39; prescription drug services (Nos. 58-82), 41-45; optical services (Nos. 83-94), 49, 50; hospital services (The Hospital Insurance and Diagnostic Services Act) (Nos. 95-112), 53-58; prosthetic services and appliances (Nos. 113-115), 60; home care services (Nos. 116-123), 61, 62.

II. HEALTH PERSONNEL, FACILITIES AND RESEARCH, 62; nurse education and recruitment (Nos. 124-139), 67-69; medical education and recruitment (Nos. 140-154), 71-73; dental education and recruitment (Nos. 155-173), 73-77; Health Professions University Grant (No. 174), 77; Health Facilities Development Fund (Nos. 175-176), 78; Health Sciences Research Council (Nos. 177-185), 80, 81; health statistics (Nos. 186-189), 83.

III. FINANCING AND PRIORITIES, 83; over-all financing (Nos. 190-195), 88; national health grants (Nos. 196-198), 90, 91; priorities (Nos. 199-200), 91, 92.

RECONSTRUCTION, CONFERENCE OF 1945, 46, conditional grants for health services, 874.

RECREATION, responsibility of individual, 4.

RECRUITMENT, health personnel, 62, 69, 73; medical education, 69-73; dental education, 73-77; medical schools, 241; of dentists, 559.

RED CROSS, voluntary health services, 330, 331.

REDLICH, F. C., changing concepts of health, 98.

REFRACTIONISTS, recommendations, 45, 46.

REFRACTIVE ERRORS, the use of glasses and corrective lenses, 45, 46, 47.

REFRESHER COURSES, in university medical schools, 255.

REGINA GREY NUNS' HOSPITAL SCHOOL OF NURSING, nursing education, 581.

REGINA MEDICAL SERVICES, evolution of health insurance in Canada, 420.

REGIONAL DIFFERENCES, mortality and life span, 143, 147.

REGISTERED NURSES, recommendations, 54, 63; categories required, 582.

REGISTERED NURSES' ASSOCIATION OF ONTARIO, education of nurses, 582.

REHABILITATION, prosthetic services and appliances, 59; integration of health services, 79; tuberculosis facilities, 320; voluntary health services, 330, 331; indirect benefits of health services, 507, 515; bed requirements of hospitals, 596, 620; and organized home care, 633-639; specific rehabilitation services in hospitals, 634; facilities and personnel, 636; prosthetic devices, appliances and aids, 637.

REHABILITATION CENTRES, public health activities, 7.

REHABILITATION FACILITIES, development of health services, 234.

REHABILITATION SERVICES, congenital malformations, 197; the handicapped, 204.

REIMBURSEMENT, payment of medical services, 29; method of remunerating the physician, 542.

RELAPSING FEVER, rare diseases, 158.

RELIGIOUS ENDEAVOUR, facilities for organized care, 9.

RELIGIOUS ORDERS, development of hospital services, 231.

REMOTE AREAS, health facilities and services, 334.

RECRUITMENT, health personnel, 62, 69, 73; medical education, 69-73; dental education, 73-77; medical schools, 241; of dentists, 559.

RED CROSS, voluntary health services, 330, 331.

95803-24
678; the Canadian patent system, 708; cost allocated to the public sector, 868; estimated private and public spending, 869.

RESEARCH AND STATISTICS, recommendations, 44; government health services, 328.

RESEARCH GRANTS, in all aspects of ophthalmology, 50; expenditures, 848.

RESEARCH WORKERS, in the medical school faculties, 69.

RESIDENTS, increase of salaries recommended, 72.

RESPIRATORY SYSTEM DISEASES, problem unchanged over last decade, 156; rates of mortality and hospital separations, 187; demand on physicians' services, 188; percentage cause of disability, 207; share of total illness and health care, 212; expenditures on personal health care, 216, 217; hospital utilization, 308.

REST, responsibility of the individual, 4.

RESTRICTIVE TRADE PRACTICE COMMISSION, recommendations, 43; report on the Manufacture, Distribution and Sale of Drugs, 1963, 350; doubtful value of certain drug brand names, 373; drug information service 377; retail distribution of drugs, 650; domestic production and imports of drugs, 657; advertising and promotion of drugs, 658-667; research in the drug field, 668; profits from sales of imported drugs, 680; drug price competition, 682, 684; variation in drug prices, 687; prescription pricing, 689; drug imports, 691-692; international comparison of drug prices, 699; drugs under patents, 701-709; customs tariffs and dumping duties, 714-716; pharmacists governing bodies and trade associations, 717.

RETARDED CHILDREN, public health facilities, 7; priorities, 92.

RETIREMENT, health manpower, 243; of dentists, 259.

REXALL DRUG GROUP, 644.

RHEUMATISM, no increase in incidence, 156; primary causes of disabilities, 205.

RICKETTSIAL DISEASE, rare diseases, 158.

RIKER PHARMACEUTICAL COMPANY, 644.

ROAD MAINTENANCE, governments current expenditures, 767.

ROBINS COMPANY OF CANADA LTD., 646.

ROBINSON, H. A., changing concepts of health, 98.

ROTARY CLUBS, the Crippled Children's Easter Seal Fund, 60.

ROUGIER INC., 646.

ROYAL CANADIAN DENTAL CORPS, dental auxiliaries, 569.

ROYAL CANADIAN MOUNTED POLICE, number of persons insured, 727.

ROYAL COLLEGE OF DENTAL SURGEONS, incorporation, 231; certification and advance training of general practitioners and specialists, 232; health manpower, 257.

ROYAL COLLEGE OF PHYSICIANS AND SURGEONS, specialist certificates granted, 248; quality of medical care, 549; special committee on new drugs, 350; fellowship in the, 532.

ROYAL COMMISSION ON DOMINION-PROVINCIAL RELATIONS, public health insurance in Canada, 400.

ROYAL COMMISSION ON PATENTS, COPYRIGHT AND INDUSTRIAL DESIGNS, compulsory licensing, 705; clarification of the Patent Act suggested, 707.

ROYALTIES, drug patents, 704, 706.

RURAL AREAS, must be provided with health care, 121.

RURAL COMMUNITIES, organization of the medical practice, 544-548.

RYERSON POLYTECHNICAL INSTITUTE, education of nurses, 582.

S

SABIN VACCINE, government health services, 326.

SAINT ELIZABETH VISITING NURSES ASSOCIATION, home care services, 60.

ST. CATHARINES, ONT., first hospital school of nursing, 231.

ST. JOSEPH HOSPITAL, VICTORIA, beginnings of health insurance in Canada, 382.

ST. MICHAEL'S GENERAL HOSPITAL, LETHBRIDGE, evolution of health insurance, 383.

SALARIES, professors in medical faculties, 253; cost of health services, 469; of teaching nurses, 580; drug costs and prices, 676; will rise in hospitals, 835.

SALES PROMOTION, drug costs and prices, 679; drug price trends 695.
APPENDIX D

SALES TAX, demand for health services, 444; drugs exempted, 687.

SALK VACCINE, government health services, 326.

SANITARY INSPECTION, public responsibility, 7; quality of care in hospitals, 52.

SANITATION, changing concepts of health care, 100; increased life expectancy, 102; decline in maternal mortality rate, 192; health problems in the North, 222; record of health spending, 423.

SASKATCHEWAN, loss of population due to interprovincial mobility, 122; percentage income distribution, 128; percentage of wage earners, 130–136; mortality rates in 1960, 147; infant and maternal mortality rate, 150–193; per capita personal income (1959–1961), 151; maternal mortality rate, 193; population-physician ratio, 239; medical school graduates, 240; civilian physicians in metropolitan areas, 247; population-dentist ratio, 258, 260; population-nurse ratio, 265; bedside care in hospital schools of nursing, 277; preparation of psychiatric nurses, 279; practising licensed optometrists (1931–1961), 291; estimated beds set up, per 1,000 population and by class of hospitals, 299; acute treatment hospital beds, 301; chronic and convalescent hospital beds, 304; admission in hospitals per 1,000 population, 305; bed capacity of mental institutions, 310; occupancy of public mental institutions, 311; dental care benefits, 327; air ambulance service, 337, 548; public health insurance, 395; Canada’s first provincially sponsored hospital insurance programme, 396; “medicare” programme, 397; social assistance hospital care, 406; over-all insurance administrative agency or authority, 413; methods of financing hospital insurance programme, 415; number of insured persons in 1963, 416; insured patient-days and rates (1959–1961), 418; percentage distribution of hospital-days of care in 1961, 419; patient-days in hospitals listed in hospital insurance agreements in 1961, 420; rehabilitation programme, 515; method of remunerating the physician, 543; dentists listed in Canadian Dental Association directory, 557; hospital utilization rates, 598, 599; out-patient provisions of hospital insurance, 602; retail distribution of drugs, 650, 653; advertising and promotion of drugs, 663; drugs exempted from sales tax, 687; public medical care programmes, 866.

SASKATCHEWAN COLLEGE OF PHYSICIANS AND SURGEONS, Medicare programme drugs free list, 375.

SASKATCHEWAN DEPARTMENT OF HEALTH, drug price trends, 696.

SASKATCHEWAN FARMERS UNION, brief submitted on the manufacture and distribution of drugs, 352; method of remunerating the physician, 542.

SASKATCHEWAN HOSPITAL SURVEY, closure of “limited function” hospitals, 619; levels of rehabilitation services, 636.

SASKATCHEWAN MEDICAL ASSOCIATION, public health insurance, 396.

SASKATCHEWAN MEDICAL PREPAYMENT PLAN, cost of medical care programme, 815.

SASKATCHEWAN PHARMACEUTICAL ASSOCIATION, prescribed medicine expenditures, 344; cost of non-prescription drugs, 347; brief submitted on the manufacture and distribution of drugs, 352; retail distribution of drugs, 650, 653; difference between hospital and retail drug prices, 682–684; co-operative wholesalers, 687.

SASKATOON UNIVERSITY HOSPITAL, competition in the drug industry, 683.

SAULT SAINTE MARIE, medical group practice, 250.

SAVINGS, allocation of output, 767.

SCHERING CORPORATION LIMITED, 646.

SCHOLARSHIPS, Health Sciences Research Council, 81; recruitment of physicians, 538.

SCHOOL BOARDS, retail distribution of drugs, 649.

SCHOOL DENTAL CARE, expenditure, 848.

SCHOOL DENTAL SERVICES, expenditures by public authorities, 846.

SCHOOLS, labour force projection, 753.

SCHOOLS OF NURSING, curricula reorganized, 67; cost of facilities, 851.

SCHOOLS OF OPTOMETRY, 48, 49, 50.

SCHOOL TEACHERS, distribution of married female labour force, 271.
APPENDIX D

SOUTH AMERICA, infant mortality, 154.
SPACE RESEARCH, unemployment, 759.
SPECIALTIES, development of health services, 231.
SPECIALISTS, health facilities, 297.
SPECIALIZATION, development of modern health services, 234; health manpower, 248; of dentists, 260; pressure on government expenditures, 772; dental specialties in Canada, 567.
SPECTACLES, provision of health services, 208, 209.
SPEECH DEFECTS, causes of disabilities, 208.
SPEECH THERAPY, rehabilitation services in hospitals, 634.
SPINA BIFIDA, care of handicapped, 208.
SQUIBB & SONS OF CANADA LIMITED, 646, 655.
STAFF NURSE, median annual salary (1956-1962), 587.
STANDARDIZED DEATH RATE, mortality and the life span, 142.
STANDARDS, of medical care, 254, 255.
STANDARDS OF LIVING, health problems in the North, 222; economic influences, 753; Canadian economic growth, 770.
STATISTICAL RESEARCH, expenditures by public authorities, 18, 46.
STATISTICIAN, participation in study of health services, 79.
STATISTICS, complications and surgical operations, 54; changing concepts of health care, 100; inadequacy of data concerning Canada's health status, 141; the handicapped, 204; provision of dental statistics, 256; health statistics inadequate, 329; inadequate data on drug expenditures in Canada, 348, 349.
STEEL WORKERS UNION, medical group practice, 250.
STENOGRAPHERS AND TYPISTS, distribution of married female labour force, 271.
STOCK COMPANIES, number of persons with married insurance, 728, 729; average claims, 731.
STORAGE BIN PHILOSOPHY, mental health facilities, 313.
STRABISMUS, causes of disabilities, 208.
STRESS, changing concepts of health care, 102, 103.
STUDENT NURSES, patient care of night shift, 54; financial assistance, 67; educational programme, 584, 585.
STUDENTS, in medical schools, 526, 530.
SUBSIDIARIES, profits from sales of imported drugs, 680; to attract physicians to rural areas, 34; number requiring, 739; projected government expenditures, 782-784.
SULPHA DRUGS, changing concepts of health care, 99.
SUMMERS, DR. J. L., wholesale distribution of drugs, 648; domestic production of drugs, 658.
SUNDRI DRUG PRODUCTS, retail trade discounts, 687.
SUPREME COURT OF CANADA, the patent system for drugs, 702; claims for compulsory drug licence, 704.
SURGERY, changing concepts of health care, 99.
SURGICAL OPERATIONS, hospital statistics for analysis and review recommended, 54.
SURGICAL PERSONNEL, medical group practice, 250.
SURGICAL SERVICES, recommendations, 32; commercial insurance companies, 724.
SURGICAL TECHNIQUES, development of health services, 231.
SURVEY OF HOSPITAL NEEDS, TORONTO, rehabilitation facilities and personnel, 636, 637.
SURVEY OF THE CANADIAN PHARMACEUTICAL ASSOCIATION, average price of prescriptions, 830.
SWEDEN, mortality rates, 110; general health conditions data, 150.
SWIFT CURRENT HEALTH REGION, number of persons insured, 727.
SYMPTOMS, changing concepts of health care, 100; percentage cause of disability, 207; share of total illness and health care, 212; expenditures on personal health care, 216, 217; percentage of illness, health care and mortality rate, 199, 200.

T
TARIFFS, foreign control of Canadian drug industry, 656; drug costs and prices, 712-716.
TAXATION, progressive income tax, 862; expansion of public services, 864.

TAXES ON INCOME, drug costs and prices, 676.

TAXPAYERS, average income and rank of dentists' income, 563; customs tariffs on imported drugs, 716.

TAX REVENUES, subsidize on insurance fund, 726.

TEACHERS, projected government spending, 779.

TEACHING HOSPITALS, education of personnel, 8; recommendations, 56.

TECHNICAL AND VOCATIONAL TRAINING PROGRAMME, economic benefits of health services, 515.

TECHNICAL COLLEGES, labour force projection, 753.

TECHNICAL DISCOVERY, factors affecting changes in the health services complex, 522.

TECHNICAL PERSONNEL, organization of medical practice, 544.

TECHNICAL PROGRESS, economic projections, 750; allocation of output, 766.

TECHNICAL SCHOOLS, training of dental auxiliaries, 76.

TECHNICIANS, distribution of married female labour force, 271.

TECHNICAL ADVANCES, in medicine and allied sciences, 299.

TECHNOLOGICAL CHANGE, future supply of physicians, 523.

TECHNOLOGY, in health care, 54; employment effects of health services, 496, 500; pressure on government expenditures, 772.

TELEPHONE, organization of medical practice, 547.

TEMPERATE LIVING, responsibility of individual, 4.

TENDERS, for drugs purchased by public agencies, 45.

TENSION, changing concepts of health care, 103.

TETANUS, rare diseases, 158.

TETRACYCLINE, drug imports, 691.

THALIDOMIDE, the intervention of governments, 5; congenital deformities in babies and children, 59; prompt action and cooperation of the Federal and Provincial Health Departments achieved, 96; prosthetic devices, 216; tragic use of new drugs, 342.

THERAPISTS, distribution of married female labour force, 271.

THERAPY, mental health facilities, 313.

THOMPSON, R. B., drug research and development, 681.

THROAT SPECIALISTS, development of health services, 233.

THERAPISTS, distribution of married female labour force, 271.

THERAPY, mental health facilities, 313.

THOMPSON, R. B., drug research and development, 681.

THROAT SPECIALISTS, development of health services, 233.

THERAPISTS, distribution of married female labour force, 271.

THERAPY, mental health facilities, 313.

THOMPSON, R. B., drug research and development, 681.

THROAT SPECIALISTS, development of health services, 233.

THERAPISTS, distribution of married female labour force, 271.

THERAPY, mental health facilities, 313.

THOMPSON, R. B., drug research and development, 681.

THROAT SPECIALISTS, development of health services, 233.

THERAPISTS, distribution of married female labour force, 271.

THERAPY, mental health facilities, 313.

THOMPSON, R. B., drug research and development, 681.

THROAT SPECIALISTS, development of health services, 233.

THERAPISTS, distribution of married female labour force, 271.

THERAPY, mental health facilities, 313.

THOMPSON, R. B., drug research and development, 681.

THROAT SPECIALISTS, development of health services, 233.

THERAPISTS, distribution of married female labour force, 271.

THERAPY, mental health facilities, 313.

THOMPSON, R. B., drug research and development, 681.

THROAT SPECIALISTS, development of health services, 233.

THERAPISTS, distribution of married female labour force, 271.

THERAPY, mental health facilities, 313.

THOMPSON, R. B., drug research and development, 681.

THROAT SPECIALISTS, development of health services, 233.

THERAPISTS, distribution of married female labour force, 271.

THERAPY, mental health facilities, 313.

THOMPSON, R. B., drug research and development, 681.

THROAT SPECIALISTS, development of health services, 233.

THERAPISTS, distribution of married female labour force, 271.

THERAPY, mental health facilities, 313.

THOMPSON, R. B., drug research and development, 681.

THROAT SPECIALISTS, development of health services, 233.

THERAPISTS, distribution of married female labour force, 271.

THERAPY, mental health facilities, 313.

THOMPSON, R. B., drug research and development, 681.

THROAT SPECIALISTS, development of health services, 233.
TRAVEL, changing concepts of health care, 103; increasing demand for services, 522.
TREATMENT CLINICS, public health activities, 7.
TREATMENT SERVICES ACT, health insurance in Alberta, 395.
TRICHINOSIS, rare diseases, 158.
TUBERCULOSIS, problem under control, 157; decline of death rate, 159, 160; percentage share of total illness and health services, 212; health problems in the North, 222; development of health services, 232; vanishing sanatoria, 313, 521; increasing provision of hospital care, 445; reduction of disabling illness, 503; indirect benefits of health services, 507.
TUBERCULOSIS CONTROL, National Health Grants, 88.
TUBERCULOSIS FACILITIES, hospital resources, 320, 321; reduced morbidity, 321; health personnel in sanatoria, 322.
TUBERCULOSIS HOSPITALS, integrated into general hospitals, 831; projection of cost, 839.
TUBERCULOSIS SANATORIA, public health activities, 7, 56; decline in the number of patients, 586; hospital care, 596; utilization declining, 313, 521, 608, 609, 620.
TULARAEPIA, rare diseases, 158.
TYPHUS FEVER, the 1847 epidemic, 230.
ULCERS, mortality and demand for selected services, 188-190.
UNEMPLOYMENT, the depression of the nineteen thirties, 5; development of health services, 232; the "silent" unemployed, 514; economic influences, 753; serious problem, 758-759; projections, 760; government transfer payments, 772; projected trends in transfer payments, 782.
UNEMPLOYMENT INSURANCE, private health expenditures, 864.
UNION HOSPITAL SYSTEM, health insurance in Saskatchewan, 395.
UNITED KINGDOM, progress in drug field, 341.
UNITED STATES, qualified faculty members, 70; maternal mortality rate, 192; general health conditions data, 150; progress in the drug field, 341; main source of Canada's drug imports, 690-692; physicians to return to Canada, 814.
UNIVERSAL COVERAGE, hospital services, 51.
UNIVERSITÉ DE MONCTON, federal grants for university schools of nursing, 68.
UNIVERSITÉ DE MONTREAL, expansion and renovation of dental schools, 73; postgraduate degrees in nursing, 583. See also MONTREAL UNIVERSITY.
UNIVERSITÉ DE SHERBROOKE, federal grants for university schools of nursing, 68; future supply of physicians, 551.
UNIVERSITÉ LAVAL, federal grants for university schools of nursing, 68; new dental school recommended, 74. See also LAVAL UNIVERSITY.
UNIVERSITIES, research into the causes of mental illness, 23; courses in pharmacology, 44; use of hospital's educational and clinical facilities, 65; expansion and renovation of dental schools, 73, 74; grants for research on dental disease and prevention, 74; training of health personnel, 77; full-time enrollment by sex, 18 to 24 years of age, 120; distribution of physicians, 249; new approach to medical education, 254; relationship between dental schools and other departments, 262; schools of nursing, 277; undergraduate student enrollment, 288; courses in pharmacy, 341; enrollment of medical students (1947-1960), 537; future supply of physicians, 551; schools of nursing, 582-583; funds for medical research, 667; labour force projection, 753.
UNIVERSITY AGE GROUP, projected population, 118, 119.
UNIVERSITY OF ALBERTA, federal grants for university schools of nursing, 68; nursing courses for obstetrical responsibilities, 280; dental auxiliaries, 569.
UNIVERSITY OF ALBERTA HOSPITAL, tenders calling for drugs, 685.
UNIVERSITY OF BRITISH COLUMBIA, funds for new dental school under development, 74; health sciences centre, 533.
UNIVERSITY OF MANITOBA, expansion and renovation of dental schools, 73; plans to cover student costs of dental education, 562.
UNIVERSITY OF OTTAWA, new dental school recommended, 74.

UNIVERSITY OF SASKATCHEWAN, federal grants for university schools of nursing, 68; new dental school recommended, 74; two-year medical school, 535; financial assistance to medical students, 538.

UNIVERSITY OF TORONTO, financial assistance to medical students, 539; pharmaceutical research programme, 668.

UNIVERSITY OF WESTERN ONTARIO, new dental school recommended, 74; post-graduate degrees in nursing, 583.

UNIVERSITY SCHOOLS OF NURSING, basic integrated programmes, 66; leaders in the profession, 67; recommendations, 67-68, 69; types of programmes, 582-585.

URBAN AREAS, health manpower, 246.

URBAN CENTRES, changing structure of population, 121.

URBANIZATION, changing concepts of health care, 100; demand for health services, 434; home care, 624; pressure on government expenditures, 772.

URBAN RESIDENTS, increased income, 123.

UPJOHN COMPANY OF CANADA, THE, 646, 655.

UROLOGY, development of health services, 233.

UTILIZATION FEES, recommendations, 57.

VACCINATION, recommendations, 32.

VACCINES, changing concepts of health care, 99.

VANCOUVER GENERAL HOSPITAL, nursing education, 277.

VASCULAR LESIONS, degenerative diseases, 183.

VENEREAL DISEASES, changing concepts of personal health care, 101; unsolved health problem, 156; a continuing problem, 163; cases and deaths (1952-1961), 164; health problems in the North, 223; indirect benefits of health services, 507.

VETERANS, federal responsibility, 9; development of health services, 232; health facilities and services, 297; exclusive health services, 333; projected trends in transfer payments, 782; health care performed by federal government, 872.

VETERANS AFFAIRS, DEPARTMENT OF, rehabilitation services, 634; retail distribution of drugs, 649; funds for medical research, 667.

VETERINARY PHARMACEUTICALS, drug manufacturers and distributors, 647.

VETERINARY SURGEONS, provincial pharmacy acts, 717.

VICTORIA, new medical school in 1973, 70, 71.

VICTORIAN ORDER OF NURSES, home care services, 60; voluntary health services, 330.

VIOLENCE, percentage of illness, health services and mortality rate, 200-202; percentage cause of disability, 207; share of total illness and health care, 212; expenditures on personal health care, 216, 217; hospital utilization, 308.

VIRUS DISEASES, unsolved health problem, 156.

VISION CARE, the handicapped, 209.

VISITING NURSES, voluntary health facilities, 332; organized home care, 624, 626; rehabilitation services, 637.

VISUAL DEFICIENCY, optical services, 45.

VOCATIONAL GUIDANCE, modern rehabilitation services, 637.

VOLUNTARY AGENCIES, group responsibility, 7.

VOLUNTARY HEALTH INSURANCE IN CANADA, evolution, 383; hospital insurance, 386; medical care insurance, 388; co-operative plans, 389; commercial insurance, 390-392.

VOLUNTARY MEDICAL CARE INSURANCE, evolution of health care in Canada, 388.

VOLUNTARY ORGANIZATIONS, development of health services, 231; integrated and co-operative planning of health services, 872.

VOLUNTARY WORKERS, development of health services, 234.

WAGE EARNERS, percentage distribution by amount of earnings, 130-136.

WAGE RATES, economic influences, 753.

WAGES, will rise in hospitals, 835.
APPENDIX D

WALKER, PROF. G. C., retail distribution of drugs, 650.
WARNER-CHILCOTT LABORATORIES CO. LIMITED, 646.
WASTE, Canadian dental practice, 73.
WATER POLLUTION, Health Charter for Canadians, 12; growth of spending, 848.
WATER SAMPLES, government health activities, 328.
WATER SUPPLY, public responsibility, 7.
WEALTH, economic influences, 753.
WELFARE, community health services, 333.
WELFARE EXPENDITURES, many avoidable, 6.
WELFARE MEASURES, and the supply of labour, 862.
WELFARE RECIPIENTS, dental services, 38; authorized charges for hospitalized, 58.
WELL-BABY CARE, personal health services, 324.
WESTERN ONTARIO UNIVERSITY, medical school graduates, 240.
WESTERN PROVINCES, recourse to municipal tax base, 9; development of hospital services, 231.
WEST INDIES, infant mortality, 154.
WHOOPING COUGH, cases and deaths (1952–1961), 163.
WINDSOR MEDICAL SERVICES, evolution of health services in Canada, 420.
WINNIPEG GENERAL HOSPITAL, preparation of operating room technicians, 280.
WINSHIP LABORATORIES OF CANADA LTD., 646, 669.
WOMEN, in the dental profession, 74; in Canada’s labour force, 117; job opportunities in health services, 497; labour force projection, 753.
WOMEN DENTISTS, number of, 563.
WONDER DRUGS, changing concepts of health care, 99.
WORKING AGE GROUP, projected population, 118, 119.
WORKMEN’S COMPENSATION, recommendations, 33; rehabilitation services, 634, 637.
WORKMEN’S COMPENSATION BOARDS, government health services, 326; health services for selected groups, 333.
WORKSHOPS, employment for mentally retarded, recommendation, 24; voluntary health services, 332.
WORLD HEALTH ORGANIZATION, International Classification of Diseases, 155, 156; optimum capacity for hospitals, 316; Pharmacopoeia Internationalis, 343; pharmaceutical benefits, 344.

X

X-RAY EQUIPMENT, government health services, 326.
X-RAY PROCEDURES, recommendations, 32.

Y

YELLOW FEVER, rare diseases, 158.
YORK UNIVERSITY, federal grants for university schools of nursing, 68.
YUKON, personal health services, 19; percentage income distribution, 129; percentage of wage earners, 130–136; mortality rates in 1960, 147; infant and maternal mortality rate, 150, 193; health problems in the North, 222, 223; estimated beds set up per 1,000 population and by class of hospitals, 299; methods of financing hospital insurance programme, 415; number of insured persons, 1963, 416; insured patient-days and rates (1959–1961), 418; percentage distribution of hospital-days of care in 1961, 419; patient-days in hospitals listed in hospital insurance agreements, 1961, 420; out-patient provisions of hospital insurance, 603.
YUKON AND NORTHWEST TERRITORIES, loss of population due to interprovincial mobility, 122; admission in hospitals per 1,000 population, 305; health services in remote areas, 334–337; dental auxiliaries needed and possible output, 514; hospital utilization rates, 598.
APPENDIX E

SUBJECT INDEX FOR VOLUME II

A

ABNORMALITIES, interceptive therapy, 89.
ACCIDENTS, health statistics, 136.
ADMINISTRATION OF HEALTH SERVICES, future organization of health services, 214.
ADMISSION AND DISCHARGE COMMITTEES, recent trends in the organization of health services, 207.
ADVISORY COMMITTEE ON HOSPITAL INSURANCE AND DIAGNOSTIC SERVICES, provincial administration, 219.
ADVISORY HEALTH PLANNING COUNCILS, voluntary planning, 14.
AGING, federal health research programmes, 99.
AIR POLLUTION, new health hazards, 138, 139.
ALBERTA, medical programme, 3; number of pharmacists, 24; training of laboratory technicians, 53; optometrists, 72; chiropractic services, 76; number of chiropractors, 77; ambulance services, 85; Alcoholics Anonymous, 162; homemaker services, 164; sheltered workshops, 168.
ALBERTA, UNIVERSITY OF, graduate degrees in pharmacy, 23.
ALCOHOLICS ANONYMOUS, development of voluntary activities, 154; current programmes of voluntary organizations, 161.
ALCOHOLISM AND DRUG ADDICTION RESEARCH FOUNDATION, provincial health agencies, 99.
ALCOHOLISM RESEARCH FOUNDATION OF ONTARIO, education of health personnel, 172.
AMBULANCE SERVICES, special problems, 84; in the North, 270; recommendation, 292.
ANAESTHESIA, health research, 88.
ANNUAL FINANCIAL REPORT, recommendations, 197.
ANTIBIOTICS, health research, 89.
ANTI-COAGULANTS, health research, 88.
APPLIANCES, voluntary organizations, 166.
ARMED SERVICES, diétitians, 48; Defence Research Board health research programmes, 98; rehabilitation, 252.
ARTERIOSCLEROSIS, federal health research programmes, 99.
ARTHRITIS, federal health research programmes, 99.
ARTIFICIAL KIDNEY, health research, 88.
ARTISTS, MEDICAL, paramedical personnel, 40.
ASSOCIATE COMMITTEE ON MEDICAL RESEARCH, Canadian Medical Association, 160.
ASSOCIATESHIPS, medical research, 92; dental research, 95, 96.
ASSOCIATION CANADIENNE FRANÇAISE DES AVEUGLES, L', federal grants, 178.
ASSOCIATION DES MéDECINS DE LANGUE FRANÇAISE DU CANADA, voluntary organizations, 157.
ASSOCIATION FOR SPASTIC CHILDREN, voluntary health organization in Denmark, 190.
ASSOCIATION FOR THE ESTABLISHMENT AND RUNNING OF CHILDREN'S INSTITUTIONS FOR SPASTIC AND HANDICAPPED CHILDREN, voluntary health organizations in Denmark, 191.
ASSOCIATION OF CANADIAN MEDICAL COLLEGES, recommendation, 245.
ATKINSON CHARITABLE FOUNDATION, support of health research, 100, 104; research, 170.
ATLANTIC CENTENNIAL RESEARCH CENTRE FOR MENTAL RETARDATION, education of health personnel, 172.

ATLANTIC PROVINCES, school of pharmacy, 36; physiotherapists, 59; naturopaths, 79; number of chiropractors, 77.

AUDIOLOGICAL THERAPISTS, paramedical personnel, 40, 62.

AUDIOLOGISTS, shortages foreseen, 70.

AUDIOLOGY, training facilities recommended, 70.

AUSTRALIA, qualified physiotherapists, 59.

BACTERIOLOGY, grants-in-aid of research, 93; federal research in public health, 98.

BAKER FOUNDATION, C. A., research, 170.


BANTING RESEARCH FOUNDATION, support of health research, 100, 104.

BICKELL FOUNDATION, J. P., support of health research, 100, 104.

BIOCHEMISTRY, grants-in-aid of research, 93.

BIOLOGIES CONTROL, federal research in public health, 98.

BIOMEDICAL RESEARCH, health scientists in federal and provincial government departments, 115.

BLIND, development of voluntary activities, 152; diagnosis and case-finding, 161.

BLOOD BANK, joint voluntary agency—governmental co-operation, 14.

BLOOD TRANSFUSION, health research, 88.

BLOOD TRANSFUSION SERVICE, Canadian Red Cross Society, 165.

BOARD OF EXAMINERS IN PODIATRY, licensing examination, 75.

BRAILLE LIBRARY IN TORONTO, 153.

BRITISH COLUMBIA, number of pharmacists, 24; speech and audiological therapists, 62, 63; training of social workers, 63; optometrists, 72; number of chiropractors, 77; Alcoholics Anonymous, 162; homemaker services, 164; sheltered workshops, 168.

BRITISH COLUMBIA ALCOHOLISM FOUNDATION, health education specialists, 176.

BRITISH COLUMBIA, UNIVERSITY OF, graduate degrees in pharmacy, 23; training facilities for speech therapy and audiology, 70.

BRITISH NATIONAL HEALTH SERVICE, voluntary health organization in the United Kingdom, 189.

BRITISH RED CROSS SOCIETY, development of voluntary activities, 152; voluntary health organizations in the United Kingdom, 190.

BUDGETARY REQUIREMENTS, recommendation, 282.

BUSINESS CORPORATIONS, sponsorship of health research, 90.

CANADA, land of immense resources, 20; number of pharmacists, 24; qualified physiotherapists, 58; optometrists, 72; no college in podiatry, 75; Alcoholics Anonymous, 162; sheltered workshops, 168.

CANADA COUNCIL, health research, 129.

CANADIAN ARTHRITIS AND RHEUMATISM SOCIETY, revenues from government sources, 13; support of health research, 100; development of voluntary activities, 155; clinics, 163; education of health personnel, 171; information service, 174; income and expenditure, 179-180; distribution of funds, 185; organization, 187.

CANADIAN ASSOCIATION FOR RETARDED CHILDREN, support of health research, 100; development of voluntary activities, 156; residences, 168; workshop, 169; education of health personnel, 172; health education, 174; federal grants, 178; organization, 187.

CANADIAN ASSOCIATION OF MEDICAL RECORD LIBRARIANS, membership, 51.

CANADIAN ASSOCIATION OF OCCUPATIONAL THERAPY, training of occupational therapists, 60; professional standards, 61.

CANADIAN ASSOCIATION OF SOCIAL WORKERS, membership, 63.

CANADIAN CANCER SOCIETY, membership, 157; homemaker services, 164; transportation services, 167; research, 170; education of health personnel, 171; health education, 175; income and expenditure, 179-180; distribution of funds, 185; organization, 188.
CANADIAN CONFERENCE OF PHARMACEUTICAL FACULTIES, changing role of pharmacists, 23.

CANADIAN CONFERENCE ON PHYSIOTHERAPY, schools in physiotherapy, 59.

CANADIAN COUNCIL FOR CRIPPLED CHILDREN, development of voluntary activities, 154.

CANADIAN COUNCIL FOR CRIPPLED CHILDREN AND ADULTS, support of health research, 100; transportation services, 167.

CANADIAN COUNCIL OF HOSPITAL ACCREDITATION, recent trends in the organization of health services, 206.

CANADIAN COUNCIL OF THE BLIND, development of voluntary activities, 156.

CANADIAN COUNCIL ON ALCOHOLISM, education of health personnel, 172.

CANADIAN COUNCIL ON HOSPITAL ACCREDITATION, health services, 160.

CANADIAN CYSTIC FIBROSIS ASSOCIATION, support of health research, 100; development of voluntary activities, 156; research, 170; organization, 187.

CANADIAN DIABETIC ASSOCIATION, support of health research, 100; health education, 175; income and expenditure, 179-180; sources of funds, 185.

CANADIAN DIABETIC SOCIETY, education of health personnel, 171.

CANADIAN DIETETIC ASSOCIATION, membership, 48; standard of dietary service, 49.

CANADIAN FEDERATION OF THE BLIND, development of voluntary activities, 156.

CANADIAN FEDERATION FOR THE HARD OF HEARING, development of voluntary activities, 156.

CANADIAN FOUNDATION FOR POLIOMYELITIS, development of voluntary activities, 155; organization, 187.

CANADIAN GUILD OF DISPENSING OPTICIANS, 74.

CANADIAN HEALTH INSURANCE ASSOCIATION, evidence presented, 2.

CANADIAN HEARING SOCIETY, development of voluntary activities, 155.

CANADIAN HEART FOUNDATION, support of health research, 100, 104; graduate health research fellowships, 109, 110; development of voluntary activities, 156; membership, 157; research, 170; news bulletin, 176; income and expenditure, 179-180; distribution of funds, 185.

CANADIAN HEMOPHILIA SOCIETY, support of health research, 100; development of voluntary activities, 156; research, 170; news bulletin, 175; organization, 187.

CANADIAN HIGHWAY SAFETY COUNCIL, accidents, 173; federal grants, 178.

CANADIAN HOSPITAL ASSOCIATION, training of medical record librarians, 51; recent trends in the organization of health services, 208.

CANADIAN INDUSTRIAL SAFETY ASSOCIATION, accident prevention, 174.

CANADIAN INSTITUTE ON MENTAL HEALTH SERVICES, education of health personnel, 171.

CANADIAN JUNIOR RED CROSS, health education specialists, 176.

CANADIAN LEGION, sick-room supplies, home care equipment, appliances, 166.

CANADIAN LIFE INSURANCE OFFICERS' ASSOCIATION, support of health research, 100, 104; subscriptions to "Health", 176.

CANADIAN MEDICAL ASSOCIATION, evidence presented, 2; support industrial coverage, 3; payment for doctors' services, 3; paramedical personnel, 41; training of laboratory technicians, 53; occupational therapists, 61; requirements of paramedical personnel, 66; chiropractors, 78; development of voluntary activities, 155; voluntary organizations, 157; contributions to improvement of health, 160; College of General Practice, 243.

CANADIAN MEMORIAL CHIROPRACTIC COLLEGE, chiropractic training, 77.

CANADIAN MENTAL HEALTH ASSOCIATION, support of health research, 100, 104; development of voluntary activities, 153; residences, 168; research, 170; education of health personnel, 171; health education, 175; health education specialists, 176; federal grants, 178; organization, 187.

CANADIAN MOTHERCRAFT SOCIETY, income and expenditure, 179-180; distribution of funds, 186.

CANADIAN NATIONAL COMMITTEE FOR MENTAL HEALTH, development of voluntary activities, 153.
CANADIAN NATIONAL INSTITUTE FOR THE BLIND, First World War, 153; research, 170; blindness prevention, 174; health education, 175; federal grants, 178; income and expenditure, 179-180; distribution of funds, 185.

CANADIAN PARAPLEGIC ASSOCIATION, development of voluntary activities, 156; sick-room supplies, home care equipment, appliances, 166; health education, 175; federal grants, 178; income and expenditure, 179-180; sources of funds, 185; distribution of funds, 185.

CANADIAN PHYSIOTHERAPY ASSOCIATION, training of physiotherapists, membership, 58.

CANADIAN PSYCHIATRIC ASSOCIATION, education of health personnel, 171.

CANADIAN PUBLIC HEALTH ASSOCIATION, federal grants, 178.

CANADIAN RED CROSS, joint voluntary agency—governmental co-operation, 14; development of voluntary activities, 152; nursing services, 153; scholarships, 154; development of co-operation, 154; organization, 188.

CANADIAN RED CROSS SOCIETY, membership, 157; organization and structure, 158; teaching, 173; federal grants, 178; income and expenditure, 179-180.

CANADIAN REHABILITATION COUNCIL, federal grants, 178.

CANADIAN RHEUMATISM SOCIETY, development of voluntary activities, 156.

CANADIAN SCHOOLS FOR LABORATORY TECHNOLIGISTS, Canadian Medical Association, 160.

CANADIAN SICKNESS SURVEY, 1950-51, health statistics, 134; household interview surveys, 138, 139.

CANADIAN SOCIETY FOR CRIPPLED CHILDREN AND ADULTS, organization, 187.

CANADIAN SOCIETY FOR THE CONTROL OF CANCER, development of voluntary activities, 155.

CANADIAN SOCIETY OF HOSPITAL PHARMACISTS, 32.

CANADIAN SOCIETY OF LABORATORY TECHNOLOGISTS, paramedical personnel, 52.

ROYAL COMMISSION ON HEALTH SERVICES

CANADIAN SOCIETY OF RADIOLOGICAL TECHNICIANS, training of radiological technicians, 55.

CANADIAN THORACIC SOCIETY, education of health personnel, 171.

CANADIAN TUBERCULOSIS ASSOCIATION, support of health research, 100; development of voluntary activities, 153; public education, 154; research, 170; education of health personnel, 171; health education consultant, 176; federal grants, 178.

CANADIAN UNIVERSITIES, grants from United States Government, 16.

CARCINOGENIC SUBSTANCES, new health hazards, 138.

CARDIOVASCULAR CONDITION SPECIALISTS, drugless practitioners, 77.

CARDIOVASCULAR DISEASE, Canadian Heart Foundation, 156.

CARE OF CRIPPLED CHILDREN AND ADULTS, clinics, 163.

CASE-FINDING, voluntary organizations, 161.

CASE REGISTERS, consolidation and expansion, 138.

CENTENNIAL COMMISSION, recommendation, 284.

CEREBRAL CORTEX, health research, 88.

CEREBRAL PALSY, research and assistance, 14.

CHARITABLE EXEMPTIONS, recommendations, 197.

CHARITABLE FOUNDATIONS, voluntary health organizations, 151.

CHEMICAL RESEARCH, federal research in public health, 98.

CHILDREN'S AID SOCIETIES, Victorian Order of Nurses, 164.

CHILDREN'S DENTAL HEALTH PROGRAMME, health administrative organizations, 229.

CHILDREN'S PSYCHIATRIC RESEARCH CENTRE, education of health personnel, 172.

CHIROPRACTIC COLLEGE, CANADIAN MEMORIAL, chiropractic training, 77.

CHIROPRACTORS, selected professional, technical and other health personnel, 39; paramedical personnel, 76.

CHRISTMAS SEALS, research, 170.

CHRONIC DISEASES, health statistics, 138.

CIVIL SERVICE, health statistics, 135.
APPENDIX E

CLINICAL INVESTIGATIONS, health research, 87; grants-in-aid of research, 93.
CLINICAL PSYCHOLOGISTS, paramedical personnel, 40.
CLINICAL RESEARCH, federal government, 97, 98.
CLINICAL TRIALS, health research, 87.
CLINICS, medical record librarians, 50; employment of electrocardiography technicians, 57; employment of physiotherapists, 58; employment of medical social workers, 63; podiatry, 75.

COLLEGE OF GENERAL PRACTICE, emerging pattern of local health services, 243; recommendation, 245.
COLLEGE OF OPTOMETRY OF ONTARIO, schools for optometrists, 70.
COLLEGE OF OSTEOPATHY, no need in Canada, 80.
COLLEGES OF PHYSICIANS AND SURGEONS, voluntary organizations, 157.

COLONIAL THERAPY SPECIALISTS, drugless practitioners, 77.

COMMITTEE ON APPROVAL OF HOSPITALS FOR THE TRAINING OF JUNIOR INTERNS, health services, 160.
COMMONWEALTH COUNCIL FOR ROYAL LIFE SAVING SOCIETY, federal grants, 178.
COMMUNITY CHEST, voluntary organizations, 157.
COMMUNITY DEVELOPMENT, recommendation, 284.

COMMUNITY NURSING, development of voluntary activities, 152; voluntary health organizations, 163.
CONNAUGHT MEDICAL RESEARCH LABORATORIES, blood transfusion services, 165.

CONTACT LENSES, ophthalmologists to determine specifications, 75.

"CONTROL OF RHEUMATIC DISEASES IN CANADA", conference, 157.

CORRECTIVE INSTITUTIONS, dietitians, 48.

COSTS, treatment services for Eskimos, 274.
COUNSELL, J. G., Canadian Paraplegic Association, 156.

COUNTLESS MOUNTBATTEN BURSARY FUND, education of health personnel, 171.

CRIPPLED CHILDREN, research and assistance, 14; service clubs, 154.

CRIPPLED CHILDREN'S CLINICS, Victorian Order of Nurses, 164.

CRIPPLED CHILDREN'S SOCIETY, voluntary health organizations in New Zealand, 193.

CRIPPLES FUND, voluntary health organizations in Denmark, 191.

CYSTIC FIBROSIS FOUNDATION, therapy tents and inhalation masks, 167.

DALHOUSIE UNIVERSITY, School of Pharmacy, 24; speech and audiological therapists, 62-63; training facilities for speech therapy and audiological therapy, 70; public health nursing course, 153.

DENMARK, qualified physiotherapists, 58; voluntary health organizations, 190; development of Greenland, 279.

DENMARK, qualified physiotherapists, 58; voluntary health organizations, 190; development of Greenland, 279.

DENMARK, qualified physiotherapists, 58; voluntary health organizations, 190; development of Greenland, 279.

DENMARK, qualified physiotherapists, 58; voluntary health organizations, 190; development of Greenland, 279.

DENTAL AUXILIARY EDUCATION COMMITTEE, provincial health planning councils, 231.

DENTAL CONSTRUCTION AND EQUIPMENT GRANT, health administrative organizations, 229.

DENTAL DISORDERS, health statistics, 136.

DENTAL HEALTH, health research, 88.

DENTAL HEALTH INDEX, a continuing system of health statistics, 149.

DENTAL PROFESSION, quality of services, 2.
DENTAL RESEARCH, qualified personnel in 1962, 112; health statistics, 139.

DENTAL RESEARCH, ASSOCIATE COMMITTEE OF THE NATIONAL RESEARCH COUNCIL ON, functions, type of research support and methods of application and administration, 94-96.

DENTAL SCHOOLS, recommend expansion, 8; grants-in-aid of dental research, 69; projected growth of health research, 118; expansion of research facilities, 122, 123.

DENTAL SCIENTISTS, losses to United States, 111; future supply, 114.

DENTAL SERVICES, federal administration, 232; programmes in the North, 280.

DENTISTS, health research in Canada, 107; potential health research personnel, 111; valuable contributions, 160.

DEPARTMENT OF EDUCATION, represented on Paramedical Education Planning Committee, 67, 70.

DEPARTMENT OF HEALTH, voluntary health organizations, 154; future organization of health services, 211; administration and planning of health services, 216; recommendations, 222, 254.

DEPARTMENT OF LABOUR, rehabilitation, 252; recommendation, 254.

DEPARTMENT OF NATIONAL HEALTH AND WELFARE, grants to voluntary agencies, 13; pharmacists employed, 34; radiation, 83; sources of funds, 177; recommendations, 197, 222, 282; federal administration of health grants, 220; health services in the North, 268.

DEPARTMENT OF NATIONAL REVENUE, recommendations, 197.

DEPARTMENT OF REHABILITATION, recommended in universities, 70.

DEPARTMENT OF SOLDIERS CIVIL RE-ESTABLISHMENT, 154.

DEPARTMENT OF TRANSPORT, health services in the North, 269.

DEPARTMENT OF VETERANS AFFAIRS, sponsored chiropractic training, 78; development of voluntary activities, 156; recommendation, 254.

DEPARTMENT OF WELFARE, recommendation, 254.

ROYAL COMMISSION ON HEALTH SERVICES

DEPARTMENTS OF GENERAL PRACTICE, recommendation, 246.

DERMATOLOGICAL MEDICINE, physiotherapists, 57.

DIAGNOSIS, health research, 87; voluntary organizations, 161.

DIAGNOSTIC RADIOLOGY, radiation hazard, 84.

DIETARY AIDES, sub-professional level, 49.

DIETITIANS, paramedical personnel, 40, 48; employment of selected health personnel, 42, 43; ratios of bed capacity and patient-days, 45; qualified and non-qualified, 47; vacancy rates in hospitals, 48; requirements and supply in hospitals, 68.

DIPHTHERIA TOXOID, Health League of Canada, 154.

DISABLED PERSONS, recommendation, 254.

“DOCTOR” TITLE, indiscriminate use, 81.

DOMINION BUREAU OF STATISTICS, health statistics, 134; illness in the Civil Service, 135; hospital statistics, 136; a jurisdictional dispute, 137; processing of health statistics, 142-150.

DOMINION COUNCIL OF HEALTH, federal-provincial co-operation, 227.

DOWNSVIEW, ONTARIO, Defence Research Board health research programmes, 98.

DRINKING, health statistics, 139.

DRUG ADVISORY COMMITTEE, pharmacists in government services, 34; federal administration, 232.

DRUG INFORMATION SERVICE, pharmacist’s work facilitated, 31; federal administration, 232.

DRUGLESS PRACTITIONERS, selected professional, technical and other health personnel, 39; paramedical personnel, 76.

DRUGLESS PRACTITIONERS ACT, chiropractors, 78; osteopaths, 80.

DRUGS, demand and utilization, 30; health research, 88.

DRUG SERVICES, programmes in the North, 280.

E

ÉASTER SEAL CAMPAIGN, rehabilitation, 163.

ÉCOLE D’OPTOMÉTRIE DE L’UNIVERSITÉ DE MONTRÉAL, schools for optometrists, 70.
ECONOMIC COUNCIL OF CANADA, recent trends in business and government organization, 203.

EDUCATION, paramedical personnel, 41; voluntary organizations, 161; recommendation, 282.

EDUCATION, DEPARTMENT OF, represented by Paramedical Education Planning Committee, 67, 70.

EDUCATION OF HEALTH PERSONNEL, voluntary organizations, 170.

EDUCATION, RESEARCH AND STAFF TRAINING CENTRE, education of health personnel, 172.

ELECTROCARDIOGRAPHY TECHNICIANS, paramedical personnel, 40, 57; training, 57.

ELECTROENCEPHALOGRAPHY TECHNICIANS, paramedical personnel, 40, 57.

ELECTRONIC TECHNIQUES, processing of health statistics, 142.

EMBRYOLOGY, health research in Canadian laboratories, 89.

EMPLOYMENT CONDITIONS, recommendation, 282.

ENGINEERING STUDIES, health research, 87.

EPIDEMIOLOGICAL STUDIES, health research, 87.

EPIDEMIOLOGY, health studies by federal government, 96; longitudinal studies, 138.

EPILEPSY, health research, 88.

EQUIPMENT, health research, 107.

ESKIMO, infant mortality rate, 277.

"ESKIMO FAMILY MEDICAL PACK", Northern Health Service, 270.

ETHNIC GROUPS, North, 276-277.

ETIOLOGY, health studies by federal government, 96; longitudinal studies, 138.

EXPENDITURES ON HEALTH RESEARCH, federal, 102-104; provincial and voluntary agencies, 105; National Institutes of Health, 105; total health research expenditures, 106, 107.

F

FACILITIES, quality depends on, 1.

FACULTIES OF MEDICINE, recommendation, 246.

FAMILIES, health statistics, 138.

FAMILY DOCTOR, emerging pattern of local health services, 241.

FAMILY MEDICAL PACKS, recommendation, 282.

FARQUHARSON REPORT, inadequacy of support for health research in Canada, 107.

FEDERAL ADMINISTRATION, administration and planning of health services, 220.

FEDERAL DEPARTMENT OF HEALTH, costs in the North, 274; recommendation, 293.

FEDERAL GOVERNMENT, provincial insurance funds, 18; sponsorship of health research, 90-99; expenditures on health research, 102, 103; increased financial support of health research, 108; health research facilities, 112; scientists engaged in health research, 115; estimated and projected health research expenditures, 116, 117; intramural federal research, 118, 119; improvement of health statistics, 137; future organization of health services, 214.

FEDERAL HOSPITALS, employment of selected health personnel, 43.

FEDERAL-PROVINCIAL CO-OPERATION, Organization of Health Services, 226.

FEDERAL-PROVINCIAL HEALTH MINISTERS CONFERENCE, health administrative councils, 234.

FEDERAL-PROVINCIAL HEALTH SERVICES COORDINATING COMMITTEE, 226; health administrative councils, 234.

FELLOWSHIPS, medical research, 92, 93; dental research, 95, 96; expenditures on health research, 104; investigators in the health sciences, 109.

FILADELPHIA COLONY, voluntary health organizations in Denmark, 191.

FIRST AID, voluntary organizations, 172.

FIRST WORLD WAR, development of voluntary activities, 153.

FITNESS AND AMATEUR SPORT ACT, preventive services, 248.

FLUORIDATION, health research by Canadian scientists, 89.

FLYING HEALTH SERVICE, in the North, 268; recommendation, 281.

FOOD AND DRUG DIRECTORATE, pharmacists employed, 34; intramural health research of the federal government, 97; administration and planning of health services, 222.

FOUNDATIONS, health research in Canada, 100, 104.

FRANCE, qualified physiotherapists, 59.
FREEDOMS, health profession and the public, 1; fundamental feature of Health Services Programmes, 10; voluntary organizations, 13.

FUNDS, voluntary organizations, 177.

GASTRO-INTESTINAL DISORDERS SPECIALISTS, drugless practitioners, 77.

GENERAL ORGANIC WORK SPECIALISTS, drugless practitioners, 77.

GENERAL PRACTICE, recommendation, 246.

GENERAL PRACTICE, DEPARTMENT OF, recommendation, 246.

GENERAL PRACTITIONERS, emerging patterns of local health services, 240; recommendation, 293.

GENETIC EFFECTS, radiation, 83.

GERIATRIC MEDICINE, physiotherapists, 57.

GLASSCO REPORT, rehabilitation, 253.

GLASSES AND LENSES, optician's functions, 74.

GOVERNMENT ORGANIZATION, ROYAL COMMISSION ON, health statistics, 137; integration and co-ordination of the statistical system, 145-149.

GOVERNMENTS, sponsorship of health research, 90.

GRANTS-IN-AID, Medical Research Council, 91; expenditures on health research, 104; indirect costs of health research, 114.

GREENLAND, ethnic groups, 277.

GROUP PRACTICE, co-ordination of health services, 246.

GYNAECOLOGICAL MEDICINE, physiotherapists, 57.

H

HALIFAX, school for the blind, 152; Nova Scotia Rehabilitation Centre, 156.

HAMILTON, The St. Elizabeth Visiting Nurses' Association, 163; homemaker services, 164.

HANDICAPS, health statistics, 136.

HARD OF HEARING, Canadian Hearing Society, 155.

HEALTH BRANCH, administration and planning of health services, 222; recommendation, 222.

HEALTH CAPITAL, Health Planning Councils, 225.

ROYAL COMMISSION ON HEALTH SERVICES

HEALTH CARE, "of the highest possible quality", 1; further element essential for high quality, 2; money well spent, 18; research conducted in Canada, 123, 124; voluntary organizations, 151.

HEALTH CARE PROGRAMME, quality, 8.

HEALTH CHARTER, voluntary organizations, 13; community level, 237; regional or municipal organization, 257; the North, 264.

HEALTH, DEPARTMENT OF, voluntary health organizations, 154; future organization of health services, 211; recommendation, 222.

HEALTH ECONOMICS, lack of adequate statistics, 134.

HEALTH EDUCATION, voluntary organizations, 161, 172.

HEALTH FACILITIES DEVELOPMENT FUNDS, health administrative organizations, 229.

HEALTH FACILITIES DEVELOPMENT GRANTS, federal administration, 232.

HEALTH, FEDERAL DEPARTMENT OF, health administrative councils, 232; recommendation, 254.

HEALTH INFORMATION, free flow between countries, 111.

HEALTH INSURANCE FUNDS, administration and planning of health services, 217.


HEALTH LEAGUE OF CANADA, development of voluntary activities, 153; Immunization Committee, 154; blindness prevention, 174; bi-monthly publication, 176; federal grants, 178; income and expenditure, 179-180.

HEALTH OCCUPATIONS, to attract men, 70.

HEALTH PERSONNEL, basic requirement, 1; rising qualifications, 2; health research in Canada, 107; shortages of, 108; Health Planning Councils, 225; in the North, 270; recommendation, 283.

HEALTH PLANNING COUNCILS, ambulance services, 86; health statistical system, 149; recommendation, 174; voluntary health organizations, 195; administration and planning of health services, 215; federal administration, 220; future organization of health services, 222; regional and local, 231; health administrative councils, 233; regional or municipal organization, 257.
HEALTH Professions, freedoms, 1; quality of services, 2; valuable contribution, 160. HEALTH Professions University Grants, indirect costs of research grants, 114; projected expenditures on health research, 117; recommendation, 256. Health, Provincial Departments of, health administrative councils, 231. Health Research, a specific definition, 87; contribution of Canadian scientists, 88; sponsorship, 90; expenditures, 101; inadequacy of support, 107; future supply of health scientists, 114; projected spending 1961-1971, 116; future capital expenditures, 120; quality of health care, 123; Health Sciences Research Council, 125; recommendations, 130, 131, 292. Health Sciences, shortages of personnel and facilities, 111, 112. Health Sciences Centre, speech and audiological therapists, 63; training facilities for speech therapy and audiology, 70. Health Sciences Research Council, research and innovation, 12; organizational arrangements, 17; research grants for drugs, 34; shortage of pharmacists, 38; to continue work of Commission, 81; financial support of extramural health research, 119, 120; organization and functions, 125-130; health statistics, 140; co-ordination of health statistics, 143, 144; liaison with the Dominion Bureau of Statistics, 148, 149; health statistical system, 149; co-ordination and health services administration, 254; the North, 267; ambulance service in the North, 270. Health Services, quality essential, 1; part payment policy, 6; appointment system, 6; effects of preventive medicine, 9; research, 15; Health Planning Councils, 225; in the North, 264. Health Services Administration, courses, 256; recommendation, 294. Health Services Commissions, voluntary planning, 14-15; organizational arrangements, 18; represented on Paramedical Education Planning Committee, 67; need for regional health statistics, 142, 143; health statistical system, 149; provincial administration, 216; provincial health planning councils, 230. Health Services Co-ordinators, provincial administration, 219. Health Services Funds, health administrative organizations, 228-229. Health Services Grants, federal administration, 232. Health Services in the Territories, recommendation, 282. Health Services Programmes, freedom a fundamental feature, 10; voluntary organizations, 13; recommended, 20; pharmacists, 21; health research, 88; need for statistical information, 133, 138; statistical health analysis, 139; evaluation procedures, 144; voluntary organizations, 151; financing voluntary health activities, 196; organization of health services, 199; administration and planning of health services, 215; recommendation, 222; federal-provincial co-operation, 226; at the community level, 237; co-ordination and health services administration, recommendation, 254; the North, 267; home nursing, 135; training courses by Canadian Red Cross, 154. Highway Traffic Acts, ambulance services, 85. Home Care, co-ordination of health services, 246. Home Care Equipment, voluntary organizations, 166. Home Care Programmes, health statistics, 136. Home Care Services, federal administration, 232; programmes in the North, 280. Homemaker Services, voluntary organizations, 164. Home Nursing, health statistics, 135; training courses by Canadian Red Cross, 154. Hormones, health research, 88. Hospital Care, patient-days statistics, 140. Hospital Care Service, voluntary health organization in the United Kingdom, 190. Hospital Construction, recent trends in the organization of health services, 208. Hospital Construction Grants, health administrative organizations, 299.
HOSPITAL INSURANCE, health research, 89; in the North, 280.

HOSPITAL INSURANCE AND DIAGNOSTIC SERVICES, transfer of responsibilities, 156.

HOSPITAL INSURANCE AND DIAGNOSTIC SERVICES ACT, financial assistance for training in paramedical fields, 70; training in health research, 97; projected spending on health research, 117; health statistics from small hospitals, 141; recent trends in the organization of health services, 204; federal administration, 222.

HOSPITAL INSURANCE AGENCIES, health statistics, 133.

HOSPITAL INSURANCE AND DIAGNOSTIC SERVICES, ADVISORY COMMITTEE ON, hospital statistics, 136.

HOSPITAL INSURANCE PROGRAMMES, training of medical record librarians, 52; training of paramedical personnel, 67.

HOSPITAL PHARMACISTS, increase in demand, 32.

HOSPITALS, many without the services of a pharmacist, 32; training of paramedical personnel, 41; employment of selected health personnel, 42, 43; dietitians, 48; dietitians employed, 49; medical record librarians, 50; training of radiological technicians, 54; operating-room technicians, 56; electroencephalography technicians, 57; employment of physiotherapists, 58; speech and audiological therapists, 62; employment of medical social workers, 63; employment of social workers, 64; requirements and supply of staff, 68-69; podiatry, 75; chiropractors, 77; sponsorship of health research, 90; grants-in-aid of health research from federal government, 96; applications for federal health research assistance, 97; shortages of research personnel and facilities, 111, 112; expansion of health research facilities, 120; university medical schools, 121, 122; health statistics, 134; difficulties in producing health statistics, 141; voluntary health organizations, 151; recent trends in the organization of health services, 206; provincial administration, 218; local health services, 238; general practitioner, 242.

HOSPITAL SERVICES, federal administration, 232.

ROYAL COMMISSION ON HEALTH SERVICES

“HOSPITAL STATISTICS”, paramedical occupations, 42.

HOSTELS, voluntary organizations, 167.

HYGIENE, LABORATORY OF, federal research in public health, 97.

I

ILLUSTRATORS, MEDICAL, paramedical personnel, 40.


IMPAIRMENTS, health research, 87.

INCOME TAX ACT, recommendations, 197.

INDIVIDUALS, health statistics, 138.

INDUSTRIAL ACCIDENT PREVENTION ASSOCIATION, safety, 174.

INDUSTRIAL HEALTH, health statistics, 135.

INFANT WELFARE, Victorian Order of Nurses, 152.

INFORMATION SERVICE, pharmacists in Government, 34.

INNOVATION, freedom within the Health Services Programmes, 12.

INSTITUTE FOR THE WORD-BLIND, voluntary health organization in Denmark, 191.

INSTITUTIONAL FACILITIES, health services in the North, 267.

INSTITUT NAZARETH DE MONTRÉAL, L’, federal grants, 178.

INSURANCE INDUSTRY, support industrial coverage, 3.


INVESTIGATORS, research fellowships in the health sciences, 109.

ISRAEL, voluntary health organizations, 194.

J

JUNIOR RED CROSS, membership, 157.

K

KING GEORGE THE FIFTH MEMORIAL CHILDREN’S HEALTH CAMPS FEDERATION, voluntary health organizations in New Zealand, 193.

KINSMEN CLUB, patient-aids, 166.

KIWANIS CLUB, patient-aids, 166.
APPENDIX E

LABORATORIES, health research, 87; knowledge in dentistry, 89; inadequacy of space for health research, 108.

LABORATORY TECHNICIANS, paramedical personnel, 40, 52; employment of selected health personnel, 42, 43; ratios of bed capacity and patient-days, 45; qualified and non-qualified, 47; vacancy rates in hospitals, 48; requirements and supply in hospitals, 68.

LABOUR DEPARTMENT, rehabilitation, 252; recommendation, 254.

LABOUR FORCE SURVEY, health statistics, 139.

LAVAL UNIVERSITY, School of Pharmacy, 24.

LEAGUE OF FRIENDS, voluntary health organizations in the United Kingdom, 190.

LIBRARIES, see also MEDICAL LIBRARIES.

LIGUE D'HYGIÈNE DENTAIRE, education of health personnel, 171; education programme, 176.

LIVER DISEASES, health research, 88.

MADDEN, DR. J. J., research studies, xvin.

MAMMALIAN CELLS, health research, 88.

MANIPULATIVE THERAPY SPECIALISTS, drugless practitioners, 77.

MANITOBA, number of pharmacists, 24; speech and audiological therapists, 62; training of social workers, 63; optometrists, 72; chiropractic services, 76; osteopath act, 80; Alcoholics Anonymous, 162; Victorian Order of Nurses, 163; sheltered workshops, 168.

MANITOBA HOSPITAL SURVEY BOARD, recent trends in the organization of health services, 209.

MANITOBA MEDICAL SERVICES, experience in prepayment plan, 7; recent trends in the organization of health services, 207.

MANITOBA SOCIETY FOR CRIPPLED CHILDREN AND ADULTS, rehabilitation services, 163.

MANITOBA, UNIVERSITY OF, graduate degrees in pharmacy, 23; School of Pharmacy, 24.

MANPOWER, historical statistics, 136.

MARCH-OF-DIMES, rehabilitation, 163.

MARGARET MACLAREN MEMORIAL FUND, education of health personnel, 171.

MARITIME SCHOOL OF SOCIAL WORK, training of social workers, 63.

MASSEY, VINCENT, the North, 261.

MATERNAL WELFARE, Victorian Order of Nurses, 152.

MCGILL UNIVERSITY, training of physiotherapists, 58; training of speech and audiological therapists, 62; stated that chiropractic is false, 78; Aviation Medicine Unit, 98.

MEDICAL AND REHABILITATION GRANT, development of voluntary activities, 155.

MEDICAL ARTISTS, paramedical personnel, 40.

MEDICAL AUDIT COMMITTEE, recent trends in the organization of health services, 207.

MEDICAL CARE, health research, 89.

MEDICAL CARE BENEFIT, transportation costs in the North, 270; recommendation, 283.

MEDICAL COLLEGES, ASSOCIATION OF, shortages of research facilities, 111, 112; overhead costs of health research, 114.

MEDICAL EXPENSES, voluntary organizations, 163.

MEDICAL FACULTY, training of occupational therapists, 60.

MEDICAL GRADUATES, recommendation, 246.

MEDICAL GROUP PRACTICE, health statistics, 136.

MEDICAL ILLUSTRATORS, paramedical personnel, 40.

MEDICAL INSTITUTES OF HEALTH, projected expenditures on health research, 117.

MEDICAL LIBRARIANS, paramedical personnel, 40.

MEDICAL LIBRARIES, personnel, facilities and resources insufficient, 113.

MEDICAL PHOTOGRAPHERS, paramedical personnel, 40.

MEDICAL PROFESSION, quality of services, 2; recent trends in the organization of health services, 207.

MEDICAL RECORD LIBRARIANS, paramedical personnel, 40, 50; employment of selected health personnel, 42, 43; ratios of bed capacity and patient-days, 45; qualified and non-qualified, 47; vacancy rates in hospitals, 48; hospital requirements, 66;
requirements and supply in hospitals, 68; shortages foreseen, 70.

MEDICAL RESEARCH, health statistics, 139; voluntary organizations, 161.

MEDICAL RESEARCH COUNCIL, effects of radiation on man, 82; functions, type of research support and methods of application and administration, 91-94; grants requested and awarded, 109; fellowships requested and awarded, 110, 160.

MEDICAL REVIEW COMMITTEE, recent trends in the organization of health services, 207.

MEDICAL SCHOOLS, recommend expansion, 8; training facilities for physiotherapy and occupational therapy, 70; Department of Rehabilitation, 70; training facilities for speech therapists and audiological therapists, 70; visiting scientists' awards, 93; health research, 107; shortages of research personnel and facilities, 111, 112; projected growth of health research, 118; general practitioners, 243; recommendation, 282.

MEDICAL SCIENTISTS, losses to United States, 111; future supply, 114.

MEDICAL SERVICES, federal administration, 232; programmes in the North, 280.

MEDICAL SERVICES BENEFIT, preventive services, 250.

MEDICAL SERVICES PROGRAMMES, intended to meet medical needs of all Canadians on a prepayment basis, 3.

MEDICAL SOCIAL WORKERS, paramedical personnel, 40, 63; hospital requirements, 66; requirements and supply in hospitals, 68; shortages foreseen, 70.

MEDICAL TECHNICIANS, paramedical personnel, 40, 52.

MEMORIAL UNIVERSITY, school of pharmacy, 36; medical school, 271; recommendation, 282.

MENTAL AFTER CARE ASSOCIATION, voluntary health organizations in the United Kingdom, 190.

MENTAL DISEASES, health research, 87.

MENTAL DISORDERS, health statistics, 136.

MENTAL HEALTH, research and assistance, 14; inadequate statistics, 136.

MENTAL HEALTH RESEARCH FUND, voluntary health organizations in the United Kingdom, 190.

ROYAL COMMISSION ON HEALTH SERVICES

MENTAL HOSPITALS, employment of selected health personnel, 43; occupational therapists, 60.

METABOLISM, in health and disease, 88.

MICROSCOPY, health research in Canadian laboratories, 89.

MONTREAL, school for the blind, 152; Société des Infirmières Visiteuses, 163.

MONTREAL ASSOCIATION FOR retarded children, education of health personnel, 172.

MONTREAL ASSOCIATION FOR THE BLIND, federal grants, 178.

MONTREAL, UNIVERSITY OF, graduate degrees in pharmacy, 23; training of speech and audiological therapists, 62; school for optometrists, 70.

MOOSE JAW, Victorian Order of Nurses, 164.

MORBIDITY, improvement of health statistics, 138.

MORTALITY STATISTICS, assessment of health problems, 135.

MOTHERCRAFT SOCIETY, sources of funds, 185.

MULTIPLE DYSTROPHY ASSOCIATION, development of voluntary activities, 156.

MULTIPLE SCLEROSIS SOCIETY, support of health research, 100, 104; development of voluntary activities, 156; sick-room supplies, home care equipment, appliances, 166; research, 170; income and expenditure, 179-180; distribution of funds, 185; organization, 187.

MUNICIPAL HEALTH DEPARTMENTS, health statistics, 133.

MUSCULAR DYSTROPHY ASSOCIATION, support of health research, 100, 104; patient aids, 166; research, 170; quarterly newspaper, 175; income and expenditure, 179-180; distribution of funds, 185; organization, 187.

MUSCULO-SKELETAL SPECIALISTS, drugless practitioners, 77.

N

NARCOTIC CONTROL, DIVISION OF, pharmacists employed, 34.

NATIONAL ADVISORY COUNCIL ON THE REHABILITATION OF DISABLED PERSONS, recommendation, 254.

NATIONAL ASSOCIATION FOR EPILEPSY, voluntary health organizations in Denmark, 191.
APPENDIX E

NATIONAL ASSOCIATION FOR MENTAL HEALTH, voluntary health organizations in the United Kingdom, 190.

NATIONAL ASSOCIATION FOR THE PREVENTION OF MULTIPLE SCLEROSIS, voluntary health organizations in the United Kingdom, 190.

NATIONAL ASSOCIATION FOR THE PREVENTION OF RHEUMATIC DISEASES, voluntary health organizations in Denmark, 191.

NATIONAL ASSOCIATION FOR THE PROMOTION OF BETTER HEARING, voluntary health organizations in Denmark, 191.

NATIONAL CANCER INSTITUTE, grants, 13; support of health research, 100, 104; graduate health research fellowships, 109, 110; organization, 188.

NATIONAL CANCER SOCIETY, voluntary health organizations in Norway, 192.

NATIONAL CENTER FOR HEALTH STATISTICS, integration of health statistics in the United States, 143, 144.

NATIONAL COUNCIL FOR CRIPPLED CHILDREN AND ADULTS, removed age limit, 155.

NATIONAL DEFENCE, DEPARTMENT OF, representative on dental research committee, 94.

NATIONAL DRUG FORMULARY, pharmacist's work facilitated, 31; pharmacists in Government services, 34; federal administration, 232.

NATIONAL ECONOMIC DEVELOPMENT COUNCIL, recent trends in business and Government organization, 203.

NATIONAL HEALTH AND WELFARE, DEPARTMENT OF, pharmacists employed, 34; radiation, 83; representative on dental research committee, 94; sponsorship of health research, 96-98; federal expenditures for health research, 102, 103; scientists engaged in health research, 115; health statistics, 134; a jurisdictional dispute, 137; integration and co-ordination of health statistics, 145-149; sources of funds, 177; recommendations, 197, 222, 282; federal administration of health grants, 220; health services in the North, 268.

NATIONAL HEALTH GRANTS, training of medical record librarians, 52; rehabilitation, 163.

NATIONAL HEALTH GRANTS PROGRAMME, assistance to voluntary organizations, 13-14; grants-in-aid of health research, 96, 97; rehabilitation, 155; federal administration, 222.

NATIONAL INSTITUTES OF HEALTH, grants, 16; United States support of health research in Canada, 101, 105, 107, 108; shortages of personnel and facilities, 108; grants made in Canada, 119, 120.

NATIONAL MEDICAL ADVISORY BOARD, organization, 187.

NATIONAL PHYSICAL FITNESS AND AMATEUR SPORT ACT, training in health research, 97.

NATIONAL PLANNING COUNCILS, organizational arrangements, 17-18.

NATIONAL RESEARCH COUNCIL, health research, 91; federal expenditures for health services, 103; funds for dental science research in Canada, 113; assisted research grants, 113; Associate Committee on Medical Research, 160.

NATIONAL REVENUE, DEPARTMENT OF, recommendation, 197.

NATIONAL SAFETY LEAGUE OF CANADA, accident prevention, 174.

NATIONAL SANITARIUM ASSOCIATION, support of health research, 100, 104; development of voluntary activities, 152.

NATIONAL SOCIETY OF MENTALLY HANDICAPPED CHILDREN, voluntary health organizations in the United Kingdom, 190.

NATUREPATHS, selected professional, technical and other health personnel, 39; paramedical personnel, 79.

NAZARETH INSTITUTE FOR THE BLIND, development of voluntary activities, 152.

NEUROLOGICAL MEDICINE, physiotherapists, 57.

NEUROLOGICAL SPECIALISTS, drugless practitioners, 77.

NEW BRUNSWICK, number of pharmacists, 24; optometrists, 72; Alcoholics Anonymous, 162; "Invalid Transport Programme", 167; sheltered workshops, 168; school for diabetics, 175.

NEWFOUNDLAND, number of pharmacists, 24; optometrists, 72; chiropractors, 76; osteopaths, 80; Alcoholics Anonymous, 162; Victorian Order of Nurses, 163; sheltered workshops, 168.

NEW ZEALAND, voluntary health organizations, 192.
NEW ZEALAND FEDERATION OF TUBERCULOSIS ASSOCIATIONS, voluntary health organizations in New Zealand, 193.

NEW ZEALAND RED CROSS SOCIETY, voluntary health organizations in New Zealand, 193.

NORTH, health services, 18; must be accepted, 261; health services needed, 266; supply of personnel, 270.

NORTHERN GOVERNMENT ACTIVITIES, CO-ORDINATION OF, recommendation, 284.

NORTHERN HEALTH SERVICE, in the Territories, 268; organized flying health service circuits, 268; "Eskimo Family Medical Pack", 270; recommendations, 281, 282.

NORTHERN HEALTH SERVICE PLAN, recommendations, 281, 294.

NORTHERN STATIONS, periodical visits by medical specialists and dentists, recommendation, 281-282.

NORTHWEST TERRITORIES, number of pharmacists, 24; population density, 263; health needs, 263; infant mortality, 265; health services, 268; ethnic groups, 277; recommendations, 281, 283.

NORWAY, voluntary health organizations, 192.

NOVA SCOTIA, number of pharmacists, 24; optometrists, 72; chiropractors, 76; osteopaths, 80; Alcoholics Anonymous, 162; sheltered workshops, 168.

NOVA SCOTIA REHABILITATION CENTRE, development of voluntary activities, 156.

NURSES, operating room technicians, 57; health statistics, 133; valuable contribution, 160.

NURSING EDUCATION PLANNING COMMITTEE, provincial health planning councils, 231.

NURSING PROFESSION, quality of services, 2.

NURSING SCHOOLS, recommend expansion, 8.

NURSING SERVICES, Canadian Red Cross, 153.

NUTRITION, health research, 87; preventive services, 249.

OBSTETRICAL, physiotherapists, 57.

OCCUPATIONAL THERAPISTS, paramedical personnel, 40, 60; employment of selected health personnel, 42, 43; ratios of bed capacity and patient-days, 45; qualified and non-qualified, 47; vacancy rates in hospitals, 48; hospital requirements, 66; requirements and supply in hospitals, 68; shortages foreseen, 70.

OCCUPATIONAL THERAPY, training facilities recommended, 70.

ONTARIO, number of pharmacists, 24; speech and audiological therapists, 62; training of social workers, 63; optometrists, 72; number of chiropractors, 77; osteopaths, 80; National Sanitarium Association, 152; Alcoholics Anonymous, 162; sheltered workshops, 168.

ONTARIO ACT, intended to cover everybody, 3.

ONTARIO CANCER TREATMENT AND RESEARCH FOUNDATION, provincial health agencies, 99.

ONTARIO DEPARTMENT OF EDUCATION, education of health personnel, 172.

ONTARIO SOCIETY FOR CRIPPLED CHILDREN, service clubs, 154.

ONTARIO TUBERCULOSIS ASSOCIATION, radiation, 82; health education specialists, 176.

OPERATING ROOM TECHNICIANS, paramedical personnel, 40, 56.

OPHTHALMOLOGISTS, to determine specifications of contact lenses, 75.

OPTICAL SERVICES, federal administration, 232; programmes in the North, 280.

OPTICAL SERVICES PROGRAMME, 72.

OPTICIANS, selected professional, technical and other health personnel, 39; paramedical personnel, 74; recommendation, 291.

OPTOMETRICAL ASSOCIATION OR SOCIETY, issues licences, 71.

OPTOMETRISTS, selected professional, technical and other health personnel, 39; paramedical personnel, 70; requirements and supply, 72.

OPTOMETRY, PROVINCIAL BOARD OF EXAMINERS, examination requirements, 71.

ORDER OF ST. JOHN, voluntary health organizations in the United Kingdom, 190.

ORGANIZATION OF SERVICES, quality depends on, 1.

ORTHOPTISTS, paramedical personnel, 40.

OSTEOPATHS, selected professional, technical and other health personnel, 39; paramedical personnel, 80.

OTTAWA, Victorian Order of Nurses, 164; homemaker services, 164.
PAEDIATRIC MEDICINE, physiotherapists, 57.
PARAMEDICAL EDUCATION PLANNING COMMITTEE, recommended, 67.
PARAMEDICAL PERSONNEL, selected professional, technical and other health personnel, 39; ratios of bed capacity and patient-days, 45; part-time employment, 46; future requirements and supply, 65; hospital requirements, 65; total requirements, 66; financial assistance for training recommended, 70; recommendation, 290.
PARAMEDICAL PERSONNEL, COMMITTEE ON, provincial health planning councils, 231.
PATHOLOGY, grants-in-aid of research, 93.
"PATIENT-MEMBER" ORGANIZATIONS, membership, 157.
PATIENTS, freedom within the Health Services Programmes, 11; voluntary health organizations, 161.
PERSONNEL, quality depends on professionally qualified, 1.
PERSONNEL RECRUITMENT, recommendation, 282.
PHARMACEUTICAL INDUSTRY, growth, 33; drug research, 90; health research facilities, 112.
PHARMACISTS, contribution to health services, 21; education and training, 22; consultant on drugs, 23; total number, 24; rural-urban distribution, 25; immigration, 26; retail pharmacy, 30; shortage in retail pharmacy, 31; in Armed Forces, 34; future requirements and supply, 35; part-time employment in small hospitals, 38; valuable contribution, 160; recommendation, 290.
PHARMACIST SURVEY, retail pharmacy, 31.
PHARMACOLOGY, grants-in-aid of research, 93.
PHARMACY, definition, 21; public health information centre, 23; demand and utilization, 29; rapid changes in practice, 36.
PHARMACY PROFESSORS, shortage, 34.
PHARMACY SCHOOLS, changing role of pharmacists, 23.
PHARMACY STUDENTS, economic background and education expenses, 28.
PHOTOGRAPHERS, MEDICAL, paramedical personnel, 40.
PHYSICAL DISEASES, health research, 87.
PHYSICAL FITNESS, health research, federal government, 96.
PHYSICIANS, freedom within the Health Services Programmes, 10-11; employment of electrocardiography technicians, 57; health research in Canada, 107; potential health research personnel, 111; health statistics, 133.
PHYSICIANS' SERVICES INC., 4.
PHYSIOLOGY, grants-in-aid of research, 93.
PHYSIOTHERAPISTS, paramedical personnel, 40, 57; employment of selected health personnel, 42, 43; ratios of bed capacity and patient-days, 45; qualified and non-qualified, 47; vacancy rates in hospitals, 48; hospital requirements, 66; requirements and supply in hospitals, 68; shortages foreseen, 70.
PHYSIOThERAPY, training facilities recommended, 70.
PICKER FOUNDATION, support of health research, 100, 104.
PLANNING, recent trends in business and government organization, 203.
PLANNING COUNCILS, recommendations, 196.
PLANNING OF HEALTH SERVICES, future organization of health services, 214.
PLUNKET SOCIETY, voluntary health organizations in New Zealand, 193.
PODIATRISTS, selected professional, technical and other health personnel, 39; paramedical personnel, 75.
PODIATRY, BOARD OF EXAMINERS IN, licensing examination, 75.
POLIOMYELITIS FOUNDATION, homemaker services, 164; education of health personnel, 171.
PRACTITIONERS, recent trends in the organization of health services, 205; future organization of health services, 211.
PRAIRIE PROVINCES, training facilities for speech therapy and audiology, 70.
PREMATURE BABIES, health research, 88.
PREPAYMENT PLANS, demand for unnecessary medical care, 4; health statistics, 133, 134.
PRESCRIPTION DRUG BENEFITS, pharmacists, 21.
PRESCRIPTION DRUGS, hospital pharmacy, 32.
PRESCRIPTION DRUG SERVICES, federal administration, 232.
PRESCRIPTION DRUG SERVICES PROGRAMME, increase in volume of prescribed drugs, 37.
PREVENTION OF ACCIDENTS, recommendation, 174.
PREVENTION OF ILLNESS, voluntary organizations, 151.
PREVENTIVE SERVICES, co-ordination of health services, 248.
PRINCE EDWARD ISLAND, number of pharmacists, 24; optometrists, 72; chiropractors, 76; osteopaths, 80; Alcoholics Anonymous, 162; Victorian Order of Nurses, 163; sheltered workshops, 168.
PRIVATE HOSPITALS, employment of selected health personnel, 43.
PRIVY COUNCIL, supervision and co-ordination of government research, 125-128.
PRIVY COUNCIL COMMITTEE ON SCIENTIFIC AND INDUSTRIAL RESEARCH, shortages of health research facilities, 112.
PROFESSIONAL BODIES, sponsorship of health research, 90.
PROFESSIONAL SCHOOLS, preparation of qualified workers, 1.
PROFESSIONAL TITLES, special problems, 81; recommendation, 291.
PROFESSIONAL TRAINING GRANTS, recommendations, 38, 246, 256, 282; training of paramedical personnel, 67; health administrative organizations, 229; federal administration, 232; North, 272.
PROJECTIONS, future supply of health scientists, 116; expenditures on health research, 116-120.
PROMOTION OF HEALTH, voluntary organizations, 151.
PROMOTIONAL EXPENSES, voluntary organizations, 163.
PROMOTIONAL SERVICES, federal administration, 232; programmes in the North, 280.
PROMOTETISTS, paramedical personnel, 40.
PROVINCES, insurance funds, 18; National Health Grants, 96, 97; applications for federal health research assistance, 97; research carried out by health agencies, 99; a co-ordinated system of health statistics, 142.
PROVINCIAL ADMINISTRATION, health services, 216.

ROYAL COMMISSION ON HEALTH SERVICES

PROVINCIAL AGENCIES, grants-in-aid to research, 104; projected spending on health research, 117.
PROVINCIAL BOARD OF EXAMINERS IN OPTOMETRY, examination requirements, 71.
PROVINCIAL DEPARTMENTS OF HEALTH, health administrative councils, 231.
PROVINCIAL GOVERNMENTS, health research facilities, 112; scientists engaged in health research, 115; voluntary agencies, 156; future organization of health services, 212; administration and planning of health services, 215.
PROVINCIAL HEALTH DEPARTMENTS, health statistics, 133.
PROVINCIAL HEALTH PLANNING COUNCILS, recommendation, 67; health administrative organizations, 230.
PROVINCIAL HEALTH SERVICES COMMISSIONS, administration and planning of health services, 216-217; health administrative organizations, 228.
PROVINCIAL PARAMEDICAL ASSOCIATIONS, represented on Paramedical Education Planning Committee, 67.
PROVINCIAL PLANNING COUNCILS, organizational arrangements, 18.
PROVISION OF HEALTH SERVICES, future organization of health services, 210.
PSYCHIATRIC SOCIAL WORKERS, paramedical personnel, 40.
PSYCHOLOGISTS, CLINICAL, paramedical personnel, 40.
PUBLIC HEALTH ACT, ambulance services, 85.
PUBLIC HEALTH GRANTS, Provincial Departments of Health, 231; federal administration, 232.
PUBLIC HEALTH INSPECTORS, paramedical personnel, 40.
PUBLIC HEALTH NURSING COURSE, Dalhousie University, 153.
PUBLIC HEALTH RESEARCH GRANT, federal health research programme, 97.
PUBLIC INFORMATION, voluntary organizations, 172.
QUALITY, essential element in health services, 1.
APPENDIX E

QUEBEC, number of pharmacists, 24; physiotherapists, 59; speech and audiological therapists, 62; training of social workers, 63; optometrists, 72; chiropractors, 76; number of chiropractors, 77; naturopaths, 79; osteopaths, 80; Canadian Federation of the Blind, 156; Alcoholes Anonymous, 162; Société des Infirmières Visiteuses, 163; sheltered workshops, 168.

QUEBEC COLLEGE OF DENTAL SURGEONS, education programme, 176.

QUEBEC SOCIETY OF CRIPPLED CHILDREN, service clubs, 154.

QUEEN ELIZABETH II FUND, research into diseases of children, 99, 103.

R

RADIATION, new health hazards, 138, 139.

RADIATION PROTECTION DIVISION, safety measures, 83.

RADIOGRAPHY, special problems, 82; recommendation, 291.

RADIOLOGICAL EQUIPMENT, chiropractors, 77.

RADIOLOGICAL TECHNICIANS, paramedical personnel, 40, 54; employment of selected personnel, 42, 43; ratios of bed capacity and patient-days, 45; qualified and non-qualified, 47; vacancy rates in hospitals, 48; training, 54, 55; requirements and supply in hospitals, 68.

RADIONICS SPECIALISTS, drugless practitioners, 77.

RED CROSS BLOOD TRANSFUSION SERVICES, voluntary organizations, 165.

RED CROSS SICKROOM SUPPLY LOAN SERVICE, voluntary organizations, 166.

RED CROSS SOCIETY, distribution of funds, 185.

REFRIGERATION, in major surgery, 88.

REGIONAL HOSPITAL BOARDS, voluntary health organizations in the United Kingdom, 190.

REGIONAL OR MUNICIPAL ORGANIZATION, coordination of health services, 257.

REGIONAL PLANNING COUNCILS, organizational arrangements, 18.

REHABILITATION, research and assistance, 14; health research, 87; health studies by federal government, 96; National Health Grants Programme, 155; preventive services, 250; recommendation, 254, 293.

REHABILITATION AGENCY, recommendation, 254.

REHABILITATION CENTRES, employment of medical social workers, 63.

REHABILITATIVE CLINICS, occupational therapists, 60; voluntary organizations, 163.

REHABILITATION, DEPARTMENT OF, recommended in universities, 70.

REHABILITATION FOUNDATION FOR THE DISABLED, support of health research, 100; research, 170.

REHABILITATION INSTITUTE OF MONTREAL, development of voluntary activities, 156.

REHABILITATION SERVICES, health statistics, 136; voluntary organizations, 161.

RELIGIOUS ORDERS, development of voluntary activities, 152.


RESEARCH, freedom within the Health Services Programmes, 12; must be expanded, 16; voluntary organizations, 170; College of General Practice, 245; recommendation, 283.

RESEARCH FACILITIES, in medical schools and teaching hospitals, 111, 112.

RESEARCH FUNDS, Canada and United States, 110, 111.

RESEARCH WORKERS, applications for fellowship assistance, 108; projected assistance funds available, 118.

ROTOR CLUB, crippled children, 154; patient-aids, 166.

ROYAL COMMISSIONER, study of chiropractic in Quebec, 79.

RUSSIAN ARCTIC, spectacular development, 278.

S

ST. DUNSTAN'S HOSPITAL, 153.

ST. ELIZABETH VISITING NURSES' ASSOCIATION, development of voluntary activities, 153; community nursing, 163.

ST. FRANCIS XAVIER UNIVERSITY, medical school, 271.

ST. JOHN AMBULANCE, first-aid certificate, 85; development of voluntary activities, 152; membership, 157; "Invalid Transport Programme", 167; education of health
personnel, 171; teaching, 173; federal grants, 178; organization, 188; voluntary health organizations in New Zealand, 193.

SALARIES, health technicians, 107.

SANITARY ENGINEERS, paramedical personnel, 40.

SANATORIUM ASSOCIATION OF THE CO-OPERATIVE SOCIETIES, voluntary health organizations in Denmark, 191.

SASKATCHEWAN, number of physicians, 9; number of pharmacists, 24; training of laboratory technicians, 53; speech and audiological therapists, 62; optometrists, 72; osteopath act, 80; ambulance services, 85; Canadian Federation of the Blind, 156; Alcoholics Anonymous, 162; sheltered workshops, 168.

SASKATCHEWAN HEALTH SERVICES PLANNING COMMISSION, recent trends in the organization of health services, 209.

SASKATCHEWAN, UNIVERSITY OF, graduate degrees in pharmacy, 23; education of health personnel, 172; general practitioner, 244.

SASKATOON, Victorian Order of Nurses, 164. SCHOLARSHIPS, medical research, 92, 93; dental research, 95, 96.

SCHOOLS, dietitians, 48.

SCHOOLS FOR OCCUPATIONAL AND PHYSICAL THERAPISTS, 160.

SCHOOLS FOR RADIOLOGICAL TECHNICIANS, development of voluntary activities, 160.

SCHOOLS OF PHARMACY, graduates and students, 26; staff, 34.

SCIENTIFIC AGENCIES, intensive study of radiation recommended, 84.

SCIENTIFIC COMMITTEE ON THE EFFECTS OF ATOMIC RADIATION, 82.

SCIENTIFIC RESEARCH, voluntary organizations, 151.

SCIENTISTS, development of health research in Canada, 107.

SERVICE CLUBS, crippled children, 154.

SERVICES OF HOMEMAKERS AND NURSES, Ontario, 164.

SEX CHROMOSOME, health research, 88.

SHARE, organization, 187.

SHELTERED WORKSHOPS, voluntary organizations, 167.

SHERBROOKE, UNIVERSITÉ DE, training of occupational therapists, 62; Department of Rehabilitation, 70.

SICK-ROOM SUPPLIES, voluntary organizations, 166.

SMOKING, health statistics, 139.

SOCIAL ALLOWANCES ACT, chiropractic services in Manitoba, 76.

SOCIAL WORKERS, employment of selected health personnel, 42, 43; ratios of bed capacity and patient-days, 45; qualified and non-qualified, 47; vacancy rates in hospitals, 48.

SOCIAL WORKERS, MEDICAL AND PSYCHIATRIC, paramedical personnel, 40.

SOCIÉTÉ DES INFIRMIÈRES VISITEUSES, community nursing, 163.

SOLDIERS CIVIL RE-ESTABLISHMENT, DEPARTMENT OF, 154.

SOVIET UNION, spectacular development of the Russian Arctic, 278.

SPEECH THERAPISTS, paramedical personnel, 40, 62; shortages foreseen, 70.

SPEECH THERAPY, training facilities recommended, 70.

SPECIALISTS, in hospital, 241; in the health sciences, 133-150.

STATISTICS ACT, the collection of statistics, 146, 149.

STIVER, DR. W. B., observations on prepayment plans, 5.

STRONG, G. F., REHABILITATION CENTRE, development and voluntary activities, 156.

SURGERY, health research, 88.

SURGICAL EXPENSES, voluntary organizations, 163.

SURGICAL MEDICINE, physiotherapists, 57.

SWEDEN, qualified physiotherapists, 58, 59; voluntary health organizations, 192.

SWIFT CURRENT MEDICAL INSURANCE PROGRAMME, increase in number of physicians, 9.

T.

TECHNICAL AND VOCATIONAL TRAINING ASSISTANCE ACT, financial assistance for training in paramedical fields, 70.
TECHNICAL AND VOCATIONAL TRAINING PROGRAMMES, training of medical record librarians, 52; training of paramedical personnel, 67.

TECHNICIANS, ratios of bed capacity and patient-days, 45.

TELECOMMUNICATION SYSTEM, recommendation, 281.

TERRITORIES, National Health Grants, 97; health problems, 265; Northern Health Service, 268.

THERAPEUTIC EQUIPMENT, chiropractors, 78.

THERAPISTS, paramedical personnel, 40, 57.

THERAPY, health research, 87, 88.

TISSUE COMMITTEES, recent trends in the organization of health services, 207.

TORONTO, The St. Elizabeth Visiting Nurses' Association, 163; Victorian Order of Nurses, 164; homemaker services, 164.

TORONTO, UNIVERSITY OF, graduate degrees in pharmacy, 23; training of physiotherapists, 58; training of speech and audiological therapists, 62; Connaught Medical Research Laboratories, 165.

TRAFFIC INJURY RESEARCH FOUNDATION, accident prevention, 174.

TRAINING, paramedical personnel, 41; dietitians, 50; medical record librarians, 51; laboratory technicians, 52-53; radiological technicians, 54; operating-room technicians, 56; electrocardiography technicians, 57; physiotherapists, 58; occupational therapists, 60; optometrists, 73; opticians, 74; podiatrists, 75; naturopaths, 79; voluntary organizations, 151; recommendation, 282.

TRAINING GRANTS, recommended, 8.

TRAINING PROGRAMMES, paramedical personnel, 67.

TRANS-CANADA MEDICAL PLANS, recent trends in the organization of health services, 207.

TRANSPORTATION, recommendation, 283.

TRANSPORTATION SERVICES, voluntary organizations, 167; recommendation, 281.

TRANSPORT, DEPARTMENT OF, health services in the North, 269.

TREASURY BOARD, integration and co-ordination of the statistical system, 145.

TREATMENT SERVICES, voluntary organizations, 161.

TREATMENT SERVICES ACT, chiropractic services in Alberta, 76.

TUBERCULOSIS, research and assistance, 14; health statistics, 136; development of voluntary activities, 153.

TUBERCULOSIS HOSPITALS, employment of selected health personnel, 43.

TUBERCULOUS PATIENTS, case-finding, diagnosis and treatment, 161.

U

UNEMPLOYMENT INSURANCE COMMISSION, recommendation, 254.

UNITED FUNDS APPEALS, voluntary organizations, 157.

UNITED KINGDOM, qualified physiotherapists, 59; voluntary health organizations, 189.

UNITED NATIONS, radiography, 82.

UNITED STATES, training of Canadian podiatrists, 75; Canadians in chiropractic colleges, 77; Canadians training in osteopathy, 80; National Institutes of Health, 90; general practitioner, 241.

UNITED STATES GOVERNMENT, grants, 16.

UNITED STATES HEALTH INTERVIEW SURVEY, health statistics, 139.

UNITED STATES NATIONAL ACADEMY OF SCIENCES, effects of radiation on man, 82.

UNITED STATES PUBLIC HEALTH SERVICE, health research carried out in Canada, 101, 105, 107, 108.

UNIVERSITÉ DE SHERBROOKE, training of occupational therapists, 62; Department of Rehabilitation, 70.

UNIVERSITIES, training of paramedical personnel, 41; represented on Paramedical Education Planning Committee, 67; Department of Rehabilitation, 70; sponsorship of health research, 90; grants-in-aid from Medical Research Council, 91; career research investigators, 92; visiting scientists awards, 94, 96; grants-in-aid of research from federal government, 96; applications for federal health research assistance, 97; health research projects sponsored by foreign agencies, 101; expenditures on health research, 102; teaching and research in the health sciences, 111; indirect costs of health research, 113,
114; estimated and projected health research expenditures, 116, 117; expansion of health research facilities, 120, 121.

UNIVERSITY MEDICAL CENTRES, research and innovation, 12.

UNIVERSITY OF ALBERTA, graduate degrees in pharmacy, 23; research in dental science, 112.

UNIVERSITY OF BRITISH COLUMBIA, graduate degrees in pharmacy, 23; speech and audiological therapists, 63; training facilities for speech therapy and audiology, 70.

UNIVERSITY OF MANITOBA, graduate degrees in pharmacy, 23; School of Pharmacy, 24; Arctic Medical Unit, 98.

UNIVERSITY OF MONTREAL, graduate degrees in pharmacy, 23; training of speech and audiological therapists, 62; school for optometrists, 70.

UNIVERSITY OF OTTAWA, Department of Rehabilitation, 70; Psychiatry Unit, 98.

UNIVERSITY OF SASKATCHEWAN, graduate degrees in pharmacy, 23; education of health personnel, 172; general practitioner, 244.

UNIVERSITY OF TORONTO, graduate degrees in pharmacy, 23; training of physiotherapists, 58; training of speech and audiological therapists, 62; Radiobiology Unit, 98; Connaught Medical Research Laboratories, 165.

VANCOUVER, G. F. Strong Rehabilitation Centre, 156.

VANIER, GENERAL GEORGES, the North, 261.

VENEREALES DISEASES, health statistics, 136; development of voluntary activities, 153.

VETERANS, Canadian Red Cross Society, 154.

VETERANS AFFAIRS, DEPARTMENT OF, sponsored chiropractic training, 78; representative on dental research committee, 94; clinical health research programme, 98, 99; scientists engaged in health research, 115; development of voluntary activities, 156; recommendation, 254.

VICTORIAN ORDER OF NURSES, development of voluntary activities, 152; nursing care, 154; community nursing, 163; education of health personnel, 171; federal grants, 178; income and expenditure, 179-180; sources of funds, 185; distribution of funds, 185; organization, 188.

VIROLOGY, health research in Canadian laboratories, 89.

VIRUS, federal research in public health, 98.

VITAL STATISTICS, from the Dominion Bureau of Statistics, 144, 145.

VOCATIONAL REHABILITATION, recommendation, 254.

VOCATIONAL REHABILITATION OF DISABLED PERSONS ACT, sick-room supplies, home care equipment, appliances, 166; rehabilitation, 252; recommendation, 254.

VOCATIONAL TRAINING GRANT, rehabilitation, 163.

VOLUNTARY AGENCIES, recommendations, 196.

VOLUNTARY ORGANIZATIONS, freedom, 13; sponsorship of health research, 90; health research in Canada, 100, 104; health statistics, 133; emerging trends, 161; future organization of health services, 211; recommendation, 292.

W

WATER POLLUTION, health statistics, 139.

WELFARE, DEPARTMENT OF, recommendation, 254.

WELFARE GRANTS, training in health research, 97.

WELFARE PROGRAMMES, health statistics, 133.

WINNIPEG, Victorian Order of Nurses, 164.

WINNIPEG GENERAL HOSPITAL, training of operating-room technicians, 56.

WISE OWL CLUBS, blindness prevention, 174.

WOMEN'S VOLUNTARY SERVICE, voluntary health organizations in the United Kingdom, 189.

WORKMEN'S COMPENSATION ACT, chiropractors, 76.

WORKMEN'S COMPENSATION BOARD, recognize chiropractic, 78.

WORLD HEALTH ORGANIZATION, health statistics, 140.

WORLD WAR II, venereal diseases, 136; development of voluntary activities, 155; rehabilitation, 252.
APPENDIX E

X

X-RAYS, provincial actions affecting health and safety, 83; safety standards, 83.

Y

Y.M.C.A. CAMPS, Victorian Order of Nurses, 164.

Z

YUKON, number of pharmacists, 24; Alcoholics Anonymous, 162; population density, 263; health needs, 263; health services, 268; recommendations, 281, 283.

ZOONOSIS, federal research in public health, 98.