GHQ/SCAP Records(RG 331)
Description of contents

THE NATIONAL ARCHIVES OF THE UNITED STATES

(1) Box no. 2312

(2) Folder title/number : (20)
Natural Resources Section

(3) Date : June 1949

(4) Subject :

Classification	Type of record
033.2	k

(5) Item description and comment :
"Biographical Directory of Technical Personnel in Natural Resources Section (Revised)"

(6) Reproduction : (Yes) No

(7) Film no. Sheet no.

Col. Watts

HHW

11/3

Col Paper

BIOGRAPHICAL DIRECTORY OF TECHNICAL PERSONNEL

in

NATURAL RESOURCES SECTION

(Revised)

General Headquarters
Supreme Commander for the Allied Powers
Natural Resources Section

15 June 1949

BIOGRAPHICAL DIRECTORY OF TECHNICAL PERSONNEL

C O N T E N T S

	Page
INTRODUCTION	1
CHIEF, NATURAL RESOURCES SECTION	2
AGRICULTURE DIVISION	2
Economics Branch	3
Production Branch	4
Research Branch	6
Soils and Fertilizer Branch	7
Statistice Branch	9
FISHERIES DIVISION	10
Economics Branch	10
Facilities Branch	11
Production and Processing Branch	11
Resources Branch	11
Wildlife Branch	12
FORESTRY DIVISION	13
Products and Research Branch	13
Pulp and Paper Branch	14
Resources Branch	15
MINING AND GEOLOGY DIVISION	16
Metallurgy Branch	16
Mineral Economics Branch	16
Minerals Branch	17
Petroleum Branch	19
Solid Fuels Branch	20
PLANS AND POLICIES DIVISION	22
Coordination Branch	22
Special Projects Branch	22
INDEX	24

INTRODUCTION

The purpose of this booklet is two-fold: to introduce to outside agencies the technical personnel of the Natural Resources Section and to outline their fields of endeavor in such a manner that outside agencies will know whom to contract on specific problems.

The limited space of this booklet has prohibited detailed biographical accounts of each individual. Only those qualifications pertaining directly to present duties are included. Job descriptions cover current assignments only and have been abridged to include only those functions which are of interest to agencies other than the Natural Resources Section.

Personnel groupings in this booklet correspond to the organization of the technical divisions and branches of the Natural Resources Section. An index is provided at the end to facilitate location of biographies of specific individuals.

CHIEF, NATURAL RESOURCES SECTION

SCHENCK, HUBERT G., Lieutenant Colonel

Born: 24 September 1897. Education: B.A., University of Oregon, 1922, M.A., 1923; Ph.D., University of California, 1926. Professional Experience: Geologist, Bureau of Science, Manila, Philippine Islands, 1920-21; Advanced Fellow, Belgian-American Education-al Foundation, 1934-35; paleontologist, Amiranian Oil Company, Iran and Afghanistan, 1937-38; consulting geologist since 1924; professor of geology, Stanford University, 1924-43 (on leave). Military Service: United States Army, 1916-19; entered Army of the United States, 1943; executive officer, Civil Affairs Detachment, General Headquarters, U.S. Armed Forces of the Far East, 1944; Chief, Research and Reports Branch, Office of the Chief Engineer, General Headquarters, Armed Forces of the Pacific, 1945. Publications: Numerous technical articles. Societies: Geological Society of America, France, Switzerland, Belgium, Philippines; American Association of Petroleum Geologists; American Association for the Advancement of Science; Paleontological Society; Malacological Society of London; Society of American Engineers. NRS Assignment: October 1945.

AGRICULTURE DIVISION

LEONARD, WARREN H., P-8; Chief

Born: 5 July 1900. Education: B.S., Colorado State College, 1926; M.S., University of Nebraska, 1930; Ph.D., University of Minnesota, 1940. Professional Experience: Assistant professor, associate professor, and professor of agronomy, Colorado State College, and research agronomist, Colorado Agricultural Experiment Station, 1929-1942, and 1946-48. Military Service: United States Army, 1918; Army of Occupation, Germany, 1919-22; commissioned Officers' Reserve Corps, 1923; entered active duty, 1942; graduated, Military Government School, University of Virginia, 1944; graduated, Civil Affairs Training School, University of Chicago, 1945; chief, Agriculture Division, Natural Resources Section, General Headquarters, SCAP, 1945-46; discharged Major, 1946. Publications: Joint author, "Field Plot Technique", 1938; joint author, "Principles of Field Crop Production". (in press, 1949); numerous texts, bulletins, and scientific articles in agronomy, applied statistics, plant genetics, and Japanese agriculture. Societies: Fellow American Association for the Advancement of Science, Member American Society of Agronomy, Sigma Xi, and others. NRS Assignment: July 1948.

WILLIAMSON, MARK B., P-7; Deputy Chief

Born: 11 March 1917. Education: B.S. (soils), University of Tennessee, 1940. Professional Experience: Commercial livestock farmer, 1936-41.

Military Service: Entered Army of the United States, 1942; Civil Affairs School, Princeton University, 1944-45; chief, Economics Branch, Agriculture Division, Provisional Planning Staff, Presidio of Monterey, 1945; assistant chief, Economics Branch, Agriculture Division, Military Government Section, General Headquarters, Armed forces of the Pacific, 1945; discharged Major, 1946. NRS Assignment: October 1945.

ERHARDT, FRANK L., P-5, Technical Editor

Born: 9 January 1901. Education: B.A., University of North Dakota, 1925; M.A., American University, Washington, D.C., 1938. Professional Experience: Graduate Assistant and instructor in journalism, University of North Dakota, 1924-26; English assistant, Lycee de Bayonne, France, 1926-27; Newspaper work, Associated Press, United States Daily, Congressional Intelligence, Inc., 1927-49; information specialist, United States Department of Agriculture, 1942-43; assistant to Secretary of Agriculture, 1948. Societies: National Press Club; American Society of International Law; American Public Relations Association. NRS Assignment: April 1949; edits periodic and special reports on agriculture; advises on establishment and administration of agricultural information services in the Ministry of Agriculture and Forestry and prefectural governments.

Economics Branch

COOPER, JOHN L., P-6; Head

Born: 2 July 1911. Education: B.S., College of Agriculture, University of Wisconsin, 1933; LL.B., 1937. Professional Experience: Attorney, Farm Credit Administration, Saint Paul, Minnesota, 1937-42; admitted to the practice of law in Wisconsin 1937 and Minnesota 1940. Military Service: Entered Army of the United States, 1942; Army Administration School, Grinnell College, 1942-43, Judge Advocate General's Training School, University of Michigan, 1945; Assistant Staff Judge Advocate, General Headquarters Army Forces Pacific, 1946; discharged Captain, 1946. NRS Assignment: July 1946; is responsible for all matters pertaining to the economic aspects of agriculture in Japan; supervises economic research in agriculture and the development of policies and administrative procedures relating to land reform, agricultural cooperatives, crop and livestock insurance; agricultural credit; recommends policy on other phases of the agricultural economy including farm prices and other incentives, farm taxes, rural industry, and legislation affecting Japanese agriculture.

GOODWIN, DOROTHY C., P-5; Economist

Born: 2 September 1914. Education: A.B., Smith College, 1937; graduate studies, American University, 1937-40; National Institute of Public Affairs, 1937-38. Professional Experience: Clerk, U.S. Office of Indian Affairs, 1938-39; research assistant, Bureau of Agricultural

Economics, U. S. Department of Agriculture, 1939-42; economist, U.S. Foreign Economic Administration, 1942-46; in charge of Economic Reference Service, United Nations Food and Agriculture Organization, 1947; Reparations Section, General Headquarters, SCAP, 1947-48. NRS Assignment: May 1948; assists in land reform program; responsible for general administrative surveillance over status and progress of land reform.

HEWES, LAURENCE I. JR., P-6; Land Reform Specialist

Born: 17 April 1902. Education: B.S., Dartmouth, 1924; Ph.D., George Washington University, 1944. Professional Experience: Investment banking, San Francisco, 1925-33; analyst, Federal Land Bank, California, 1933-34; assistant to the Under-Secretary of Agriculture, 1935; assistant to the Administrator, Farm Security Administration, 1935-39; regional director, Farm Security Administration 1939-43; coordinator, Mexican Farm Labor Transportation Program, Mexico City and San Francisco, 1942-43; chairman, U.S. Department of Agriculture Postwar Planning Commission, California and Nevada, 1941-43; in charge of agricultural phases, Enemy Alien Exclusion, Western Defense Command, 1942; staff member, Julius Rosenwald Fund, 1944; director, West Coast Office, American Council on Race Relations, 1944-47. Publications: Several articles on agriculture, race relations, and migratory agricultural labor problems. Societies: Western Farm Economics Association; California Social Work Conference. NRS Assignment: May 1947; is responsible for insuring that the Japanese Government takes all steps necessary to implement the land Reform Law; is immediately responsible for the land reform program.

TAKAHASHI, SHIGEHARU, P-5; Economist

Born: 29 January 1921. Education: Studied University of California, 1940-42; A.B., Ohio University, 1943; graduate studies, University of Chicago, 1943-45; Marshall Field Fellow, 1944-45. Professional Experience: Research assistant in economics, Civil Affairs Training School, University of Chicago, 1944-45. Military Service: Entered Army of the United States, 1945; Hokkaido Military Government, 1945-46; discharged, Technical Sergeant, 1946. Societies: American Economic Association. NRS Assignment: October 1946; studies and analyzes problems relating to farm income, taxes, and credit; recommends adjustments necessary to equalize farm incomes with other groups, to keep farm taxes at a level consistent with ability to pay and promotion of maximum farm production, and to insure the availability of credit to farmers.

Production Branch

BOULWARE, JAMES H., P-7; Head

Born: 11 July 1911. Education: B.S., Clemson Agricultural College, 1932; M.S., University of California, 1934. Professional Experience: Dairy plant superintendent, Palo Alto, California, 1936-37; investigator, California State Department of Agriculture, 1939-40. Military

Service: Entered active duty Officers' Reserve Corps, 1940; Civil Affairs Training School, University of Virginia, 1946; discharged Lieutenant Colonel, 1947. NRS Assignment: April 1946; maintains general surveillance over the production and collection of agricultural products; reviews recommendations of specialists in various fields on means to increase production and collection of agricultural products; maintains constant liaison with the Ministry of Agriculture and Forestry and SCAP sections.

COFFMAN, ERNEST B., P-6; Agronomist

Born: 27 April 1898. Education: B.S.A., Kansas State College, 1928. Professional Experience: Hay Feed and Seed Division, Bureau of Agricultural Economics, U.S. Department of Agriculture, 1928-32; Forage Crops Diseases Division, Bureau of Plant Industry, 1932-35; agronomist, Soil Conservation Service, 1935-47. Military Service: United States Army, 1917-18. NRS Assignment: December 1947; studies and evaluates present cropping systems and techniques used by the Japanese; plans, develops, and recommends initiation of new methods for crop production increases by the use of improved techniques, exotic species, new strains of crop plants, and by proper land use.

CULBERTSON, RAYMOND E., P-5; Horticulturist

Born: 2 November 1899. Education: B.S., Pennsylvania State College, 1921; M.S., University of Kentucky, 1931; Ph.D, Pennsylvania State, 1940. Professional Experience: Vocational agriculture teacher, Pennsylvania, New Jersey 1922-27; research fellow, National Research Council, Washington, DC, 1927-36; agronomist, U.S. Soil Conservation Service, 1937-43; senior agronomist, Office of Foreign Agriculture Relations, South America, 1943-46; Chief, Production and Livestock Sections, USAMGIK, Korea, 1946-49. Military Service: United States Army, 1918. Publications: Numerous bulletins, reports, and circulars. Societies: American Society of Agronomy, American Society of Horticultural Science. NRS Assignment: January 1949; recommends policies and programs to maximize the production of horticultural and vegetable crops with special emphasis on the production and storage of sweet and white potatoes; advises in the production of such industrial crops as pyrethrum, mulberry trees for silk worm feeding, and tea; prepares special and technical reports.

DODSON, JOSEPH C., P-5; Agricultural Economist

Born: 11 July 1915. Education: B.A., Henderson State College, 1937; graduate studies, Iowa State College, 1941-42; University of Southern California, 1946. Professional Experience: Teacher, El Dorado, Arkansas, 1937-38; supervisor of WPA research project, 1938-41; statistics research assistant, Iowa State College, 1941-42; statistician, Allied Mission to Observe the Greek Elections, 1946; research associate and assistant professor, Iowa State College, 1946-48; statistician, Rockerfeller Foundation Greek Survey, 1948. Military Service: United States Army Air Force, 1942-46. Publications: "Real Property Survey", 1940;

"Statistical Program of Iowa State College," 1948; Societies: American Statistical Association. NRS Assignment: December 1948; determines and implements policies on staple food collections; determines food collection quotas; prepares reports on status of indigenous food production; collaborates with other staff sections in determining food import requirements.

RITCHIE, ROBERT R., P-6; Agricultural Economist

Born: 22 November 1905. Education: B.S., Iowa State College, 1926, M.S., 1938. Professional Experience: Professor of animal husbandry, Peabody College, 1926; Animal Husbandry Department, Clemson College, 1926-48. NRS Assignment: June 1948; promotes all possible opportunities for increasing efficient livestock products; encourages desirable feeding, breeding, management, and utilization practices.

ROBERTS, RAYMOND, P-5; Entomologist

Born: 8 April 1899. Education: B.S., Colorado State College, 1924; M. S., University of Nebraska, 1929. Professional Experience: Professor, taxonomic and economic research and administration, Department of Entomology, University of Nebraska, 1924-42; Texas Agricultural Experiment Sub-Station Number 15, 1946. Military Service: Entered Army of the United States, 1942; discharged 1945. Societies: American Association of Economic Entomologists; American Association for the Advancement of Science; Society of Sigma Xi. NRS Assignment: March 1947; encourages the improvement of research work on economic insect control; obtains data from Japanese on insecticide and fungicide production, distribution, and control; advises on required insecticide imports; maintains surveillance and makes recommendations for the sericultural industry; prepares technical reports.

Research Branch

BROWN, LINDSEY A., P-7; Head

Born: 19 July 1906. Education: B.S., University of Nebraska, 1930; M.S., 1931; Ph.D., Pennsylvania State College, 1934. Professional Experience: Graduate assistant soil technology, Pennsylvania State College, 1931-34; pedologist, University of Nebraska, 1934-35; agent, Dry Land Agriculture, U.S. Department of Agriculture, 1935-36; associate agronomist, Colorado State College, 1936-41; chief, Soil Division, Wheeler-Case Irrigation Program, U.S. Department of Agriculture, 1941-45; chief, Economic Resources Division, U.S. Bureau of Reclamation, 1945-46. Publications: Numerous surveys, bulletins, and scientific articles on soils, land utilization, and Japanese agriculture. Societies: Western Society of Soil Science; Western Agricultural Economics Society. NRS Assignment: September 1946; supervises the collection and analysis of data on all agricultural laboratories and experiment stations and appraises the research work conducted by these institutions; studies and recommends desirable

changes in the present system of agricultural extension in Japan; recommends means for coordinating agricultural research and extension activities.

ROELOFS, GARRITT E., P-6; Agricultural Extension Specialist

Born: 6 June 1900. Education: A.B., Calvin College, 1921; graduate studies, University of Michigan, 1922. Professional Experience: Headmaster and teacher, history and political Science, Western Academy, Sioux County, Iowa, 1924-32; lecturer, State University of Iowa, 1935-36; editor-publisher, "Sioux Center News", Iowa, 1930-37; state senator, 49th District, Iowa, 1933-37; Executive Director, Iowa Employment Security Commission, 1937-38; information and public relations specialist, U. S. Department of Agriculture, on loan to Office of War Information, Office of Price Administration, and the War Department, 1943-48. Military Service: United States Army, 1917-18. Publications: "Interpretations of American History", 1928; numerous reports and studies on governmental organization, fiscal problems, taxation, and employment security, published by the State of Iowa; numerous articles for "Des Moines Register" and "Independent Business Magazine" on social-economic subjects; numerous widely reprinted editorials. Societies: Iowa Historical Society; American Political Science Association. NRS Assignment: March 1947; investigates, makes recommendations, implements and supervises the operations of the Agricultural Extension and Information System in Japan.

Soils and Fertilizer Branch

RITCHIE, THOMAS E., P-7; Head

Born: 8 September 1908. Education: B.S., State College of Agriculture, University of Georgia, 1928; graduate studies, Louisiana State University, 1929; University of Georgia, 1937. Professional Experience: Editor, "Georgia Agriculturist", 1927-28; teacher of vocational agriculture, Richland, Georgia, 1929-42; superintendent of public schools, Richland, Georgia, 1936-38; supervisor, adult education, Stewart County, Georgia, 1938-42; member, Georgia State Textbook Committee, 1936-37; member, Georgia state commission establishing educational workers retirement system, 1932-36. Military Service: Entered Army of the United States, 1942; negotiator of farm labor contracts and commander of prisoner-of-war field labor camps, Camp Shelby, Mississippi, 1943-44; Civil Affairs Training School, University of Virginia, 1944, and Harvard University, 1944-45; member, Planning Staff, Military Government, Far East, 1945; Agriculture and Natural Resources Officer, I Corps Headquarters, Military Government team at Rosales, P.I., and Osaka and Kyoto, Japan, 1945-46; discharged Captain, 1946. Publications: Numerous articles in farm journals and professional publications. NRS Assignment: February 1946; supervises work and recommends policy dealing with land planning, fertilizers, soil surveys, farm tools, equipment and machinery, and land reclamation and conservation; edits and prepares reports on these problems. Prepares or reviews and coordinates budget

estimates and programs for the importation of fertilizer and other supplies.

JOHNSON, EARL G., P-6; Land Reclamation Specialist

Born: 3 September 1902. Education: B.S., Kansas State College, 1925; M.S., University of Nebraska, 1926. Professional Experience: Instructor in agricultural engineering, Iowa State College, 1926-28; instructor in agricultural engineering, University of Missouri, 1928-29; extension agricultural engineer, University of Illinois, 1928-34; soil conservationist, U.S. Soil Conservation Service, 1934-48; agricultural engineer, United Nations Relief and Rehabilitation Administration, China, (9 months in 1947). Publications: "Poultry Housing, Circulars 368 and 412", University of Illinois; U.S. Department of Agriculture report. Societies: American Society of Agricultural Engineers, Soil Conservation Society of America. NRS Assignment: June 1948; recommends and implements action on land reclamation in Japan; studies and recommends improvements in agricultural machinery and tools used in Japan; screens cement and petroleum allocations for agriculture; prepares technical reports.

KOHLER, ELLIS J., P-6; Soil Scientist

Born: 4 June 1907. Education: A.B., University of Nebraska, 1931. Professional Experience: Soil Surveyor and research specialist, Lake States Forest Experimental Station, 1935-36; soil surveyor, party chief, and survey supervisor, U.S. Soil Conservation Service, 1936-42, 1945-47. Military Service: Entered Army of the United States, 1942; discharged, 1945. Societies: Soil Conservation Society of America. NRS Assignment: October 1947; makes reconnaissance soil surveys of Japan; collects all pertinent agricultural data from agricultural experiment stations, colleges, and prefectural officials; prepares reports on soils and agriculture.

STAKER, ERNEST V., P-6; Soil Fertility Specialist

Born: 31 July 1900. Education: B.S. Utah Agricultural College, 1923; M.A., Utah Agricultural College, 1924; Ph.D, University of Minnesota, 1929. Professional Experience: Instructor of soil technology, Cornell University, 1929-32; assistant professor of soil technology, Cornell University, 1932-45; Research agronomist, chemurgy project, University of Nebraska, 1945-47; associate professor of agronomy, University of Nebraska, 1947-48. Military Service: Student Army Training Corps, 1918. Publications: Numerous publications on soils and crops. Societies: American Chemical Society, American Society of Agronomy; Soil Science Society of America. NRS Assignment: March 1948; investigates the kinds and quantities of fertilizer required by individual crops for different areas and determines the date of the need. Makes recommendations to the Head of the Soils and Fertilizer Branch for proper distribution and maximum agricultural utilization of all available fertilizers. Investigates, evaluates, and implements necessary action with Japanese officials on use of green manures,

crop rotation, tillage methods, and land use as it pertains to soil fertility and productivity.

Statistics Branch

GUELLOW, CREIGHTON N., P-7; Head

Born: 13 March 1909. Education: B.S., University of California, 1933; graduate study, United States Department of Agriculture and American University, Washington, D.C., Professional Experience: Agricultural statistician, United States Crop Reporting Board, Sacramento, California, and Washington, D.C., 1935-43; owned and operated retail dairy manufacturing business, Lakeland, Florida, 1946-47; agricultural economic statistician, Gainesville, Florida, 1948. Military Service: United States Navy, 1943-45. Publications: California Fruit and Nut Acreage, 1936; USDA: Citrus Fruits: Production and Disposition, 1940-41, USDA. Societies: American Statistical Association; American Dairy Science Association. NRS Assignment: September 1948; supervises and improves the preparation of Japanese agricultural statistics used by SCAP; assists the Japanese Government in setting up a modern crop and livestock reporting system.

MILLIGAN, CLARK C., P-5; Economic Analyst.

Born: 2 March 1907. Education: B.S., Kansas State College, 1932; M.S., Kansas State College, 1938. Professional Experience: Commercial livestock farming 1925-28; vocational agriculture teaching, 1932-45; local director adult evening schools, 1942-44; farm supervisor, 1943-46; secretary-treasurer Northeast Kansas Cattle Breeders Association, 1944-45. Publications: Numerous articles for farm papers and magazines. NRS Assignment: December 1946; supervises statistical research and compilation of agricultural data; prepares statistical reports.

FISHERIES DIVISION

HERRINGTON, WILLIAM C., P-8; Chief

Born: 24 January 1903. Education: B.S., Stanford University, 1927; graduate studies, University of Washington, 1928; Harvard University, 1931-32. Professional Experience: Research on pismo clam and albacore, California Fish and Game Commission, 1925-27; in charge, Halibut Tagging Experiments, International Fisheries Commission, 1927-30; in charge, Haddock Investigations, U.S. Bureau of Fisheries, 1930-37; in charge, North Atlantic Investigations, U.S. Fish and Wildlife Service, 1937-47; area coordinator, Office of the Coordinator of Fisheries, 1943-45. Publications: U. S. Bureau of Fisheries Bulletins, numerous technical articles in the field of fisheries and related subjects in scientific publications. Societies: American Association for the Advancement of Science; Atlantic Fishery Biologists; American Fisheries Society. NRS Assignment: March 1947.

NEVILLE, WILLIAM C., P-7; Deputy Chief

Born: 1 July 1903. Education: Graduate, Massachusetts Nautical School, 1923; special studies, Harvard University, 1930-34; Boston University, 1934-36. Professional Experience: Aquatic biologist, U.S. Bureau of Fisheries and U.S. Fish and Wildlife Service, 1928-47; in charge, Middle Atlantic Fisheries Investigation, 1943-47; Area Coordinator (New York City), Office of the Coordinator of Fisheries, 1943-45. Publications: U.S. Bureau of Fisheries bulletins; numerous technical articles in professional journals. Societies: American Fisheries Society; American Museum of Natural History. NRS Assignment: May 1947.

Economics Branch

YOE, HARRY W., P-7; Head

Born: 20 October 1912. Education: B.S., West Virginia University, 1935; graduate studies, 1940. Professional Experience: Manager, cooperative farm, dairy, and greenhouse, Redhouse Farms, Farm Security Administration, U.S. Department of Agriculture, 1935-38; agriculturist in charge of experimental project on low-income farms, 1938-40; district supervisor, 1940-42; private livestock and grain farms operator, 1929 to present. Military Service: Entered active duty, U.S. Naval Reserves, 1942; Civil Affairs Training School, Princeton University, 1944-45; Stanford University, 1945; chief, Economic Section, Tokyo-Kanagawa Military Government District, 1945-46; discharged Commander, 1946. NRS Assignment: June 1947; advises on the democratic reform of fishery rights, the establishment of fishery cooperatives, and other economic reforms affecting the social and industrial status of fishermen.

Facilities Branch

NAGATA, S IGERU S., CAF-9; Industrial Engineer

Born: 1 February 1900. Education: A.B., University of Southern California, 1924. Professional Experience: Horticulturist and owner of four flower shops in San Francisco and Oakland, California, 1925-42; Japanese instructor, Naval Japanese Language School, University of Colorado, 1943-44, and Army Japanese Language School, University of Michigan, 1944-46. Societies: International Florists' Telegraphic Association; San Francisco Retail Florists' Association; Japan Society of America. NRS Assignment: May 1947; estimates material requirements for the fishing industry; checks allocations to and receipts by fishermen of nets, twine, cordage, and miscellaneous materials.

Production and Processing Branch

ADAMS, CLAUDE M., P-7; Head

Born: 11 May 1907. Education: Studied, Golden Gate College, 1922. Professional Experience: Senior inspector, Bureau of Cannery Inspection, California Department of Public Health, 1935-42; superintendent, Farralone Packing Company, San Francisco, 1943; superintendent, F.E. Booth Company, Inc., San Francisco, 1944. Military Service: Entered Army of the United States, 1945; Civil Affairs Training School, University of Virginia and Stanford University, 1945; discharged Captain, 1946. NRS Assignment: November 1945; advises on all whaling operations; advises on the development of fish processing and fish landing establishments; collects and analyzes data on the technology of fish processing and handling and the distribution of fishery products.

TERRY, WILLIAM M., CAF-13; Whaling Specialist

Born: 29 December 1920. Education: B.A., University of Delaware, 1942. Military Service: Army United States, 1942. Separated, Captain, 1947. NRS Assignment: October 1946; supervises preparations and operations of Antarctic whaling expeditions, coastal whaling, and Bonin Island whaling; prepares reports on all phases of whaling operations..

Resources Branch

CRAIG, JOSEPH A., P-7; Head

Born: 6 February 1900. Education: A.B., Stanford University, 1923; M.A., 1930; graduate studies, University of Washington, 1932-38. Professional Experience: Researcher, California Fish and Game Commission, Bureau of Commercial Fisheries, 1925-29; statistical analyst, U.S. Fish and Wildlife Service, 1930-31, aquatic biologist, 1931-43;

chief biologist, Washington State Fisheries Department, 1943-48; lecturer, Department of Fisheries, University of Washington, 1931 to present. Publications: Numerous reports published by the U.S. Fish and Wildlife Service, the California Fish and Game Commission, and technical journals. Societies: Pacific Fisheries Biologists. NRS Assignment: March 1948; supervises the collection of information and the preparation of reports on the aquatic resources of Japan and areas formerly exploited by the Japanese; collects, compiles, and analyzes statistics on the marine resources production of Japan; investigates Japanese fisheries research institutions and methods and fisheries education and training; advises on improvements in fisheries administration in the Japanese Government.

CAHN, ALVIN R., P-5; Biologist

Born: 29 August 1892. Education: B.S., Cornell University, 1913; M.S., University of Wisconsin, 1915; Ph.D., University of Illinois, 1922. Professional Experience: Ins tructor in zoology, University of Wisconsin, 1913-17; professor of zoology, Texas Agricultural and Mechanical College, 1919-21; instructor, assistant professor, University of Illinois, 1922-36; chief, Biological Readjustment Division, Tennessee Valley Authority, 1936-40. Military Service: American Expeditionary Force, 1917-19; entered active duty, U.S. Naval Reserves, 1942; discharged Lieutenant Commander, U.S. Naval Reserves, 1946 Publications: "The Spiny Dogfish", 1926; "The Fishes of Southern Wisconsin", 1926; "The Turtles of Illinois", 1936; numerous scientific and popular articles. Societies: American Association of the Advancement of Science; American Ornithologists Union; American Society of Mammalogists, Ecological Society of America; American Society of Parasitolagists; American Society of Ichthyologists and Herpetologists. NRS Assignment: June 1947; prepares reports on the fish and shell fisheries of Japan.

Wildlife Branch

AUSTIN, OLIVER L. JR., P-7; Head

Born: 24 May 1903. Education: B.S., Wesleyan University, 1926; Ph. D., Harvard University 1931. Professional Experience: Assistant Biologist, U.S. Biological Survey, 1930-33; director Austin Ornithological Research Station, 1933-42. Military Service: Entered U. S. Naval Reserves, 1942; Naval Military Government School, Princeton University, 1944; Civil Affairs Training School, Stanford University, 1945; discharged Lieutenant Commander, 1946. Publications: "Birds of Newfoundland Labrador", 1931; "Birds of Korea", 1948; numerous shorter papers in ornithological journals. Societies: American Ornithologists Union; American Society of Mammologists; Northeastern Bird Banding Association; Cooper Ornithological Club; Ornithological Society of Japan. NRS Assignment: September 1946; advises on all features of wildlife conservation.

FORESTRY DIVISION

DONALDSON, HAROLD B., Lieuteant Colonel; Chief

Born: 3 July 1906. Education: B.S., New York State College of Forestry, Syracuse University, 1933. Professional Experience: Associate forester, national forest and private forest land administration and management, Forest Service, U.S. Department of Agriculture, 1933-41. Military Service: Entered Army of the United States, 1941; Far East Studies Course, Yale University, 1946. Societies: American Foresters. NRS Assignment: June 1946.

CUMMINGS, LAURNECE J., P-7; Deputy Chief

Born: 21 December 1903. Education: B.S., Oregon State College, 1928; studied, University of California, 1928; M.F., Yale University, 1931. Professional Experience: Instructor, forest engineering, Oregon State College, 1928-30; Economic Forest Survey; Pacific Northwest Forest Experiment Station, Portland, Oregon, 1931-32 and Northern Rocky Mountain Forest and Range Experiment, Missoula, Montana, 1932-39; U.S. Forest Service, Missoula, Montana, 1939-47. Publications: "Forest Increment in North Idaho", 1940; "Cedar Pole Resources in North Idaho and Northeastern Washington", 1939. Numerous "Research Notes" for Northern Rocky Mountain Forest and Range Experiment Station. Societies: Society of American Foresters. NRS Assignment: August 1947.

REICHARD, EUGENE C., P-6; Conservation Specialist

Born: 28 November 1899. Education: Robert's College, Constantinople, Turkey, 1921; College of Forestry, Syracuse University, 1922-26. Professional Experience: Forestry engineering, U.S. Forest Service, 1926-42; Forester, including from 1935-39 Tropical Forest Puerto Rico, U.S.A. Board of Economic Warfare, Latin America, 1942-45; Forestry Division, USAMGIK, Korea, 1946-48. Publications: "Forest Resources of Paraguay and Their Possible Utilization", 1946. Societies: Society of American Foresters. NRS Assignment: January 1949; Ascertains and advises Chief of Forestry Division on forest conservation, utilizations, reforestation and management; practices needed legislation, and needed changes in the forest industry; recommends measures for accomplishing a sound, over-all forest conservation program.

Products and Research Branch

BRUCE, HERBERT D., P-7; Head

Born: 14 July 1898. Education: B.S., University of Nevada, 1920; M.S., Lafayette College, 1922; M.A., University of California, 1932; graduate studies, Stanford University, 1932-34. Professional Experience: Chemist, U.S. Bureau of Standards, 1924-29; chemist, Calif-

ornia Forest and Range Experimental Station, Berkeley, California, 1934-42; chemist, Forest Products Laboratory, Madison, Wisconsin, 1942-47. Military Service: United States Army, 1918. Publications: Numerous publications on protective coatings, physical chemistry, colloid chemistry, forest fire protection, glue, and plywood technology. Societies: American Society of Testing Materials; American Chemical Society. NRS Assignment: May 1947; collects and analyzes data on production of forest products such as logs, lumber, plywood, bamboo, charcoal, firewood, and special forest products; recommends technical improvements for forest products, production, inspection, and utilization; promotes the manufacture of products for export; fosters research and extension on forestry and forest products; prepares technical reports.

SHULLEY, FREDERICK J., P-5; Forest Products Economist

Born: 26 September 1900. Education: B.F., Pennsylvania State Forest School, 1922; M.F., Yale Forest School, 1924. Professional Experience: Timber cruiser for pulpwood company in Canada, summers, 1923-24; district forester, Tennessee Forest Service, 1924-34; associate forester, Ohio Division of Forestry, 1935-37; extension forester, University of Arkansas, 1938-43; industrial specialist, Pulpwood Branch, War Production Board, 1944-45; economist, Forest Products Division, Civilian Production Administration, 1946; forester, Pole Requirements Staff, Rural Electrification Administration, 1947. Publications: Articles in the "Journal of the Society of American Foresters", "Co-op Power", and farm publications. Societies: Society of American Foresters; American Forestry Association. NRS Assignment: September 1947; facilitates the estimating of material requirements and allocations by the Bureau of Forestry and SCAP sections; develops extension forestry program; furnishes forestry information for river watershed management plans; prepares technical reports.

Pulp and Paper Branch

MURDOCK, HAROLD R., P-7; Head

Born: 30 August 1890. Education: B.S. University of Vermont, 1912. Professional Experience: Thirty-six years experience in chemical and allied industries, including 18 years as research director of the Champion Paper and Fiber Company, 1926-44; private consulting chemical engineer to industry, 1944-47. Military Service: United States Army, 1918. Publications: Numerous articles in technical journals. NRS Assignment: September 1946; obtains, compiles, and evaluates data on all pertinent phases of pulp and paper in Japan; advises on the development, exploitation, production, processing, and distribution of pulpwood, wood pulp, and paper products; surveys manufacturing plants, equipment, processing programs, and production facilities.

SPINAR, FRANK J., P-5; Forest Products Economist

Born: 24 June 1914. Education: B.S., Central YMCA College, 1940; studied, University of Wisconsin, 1931-33, 1936-37. Professional Experience: Chemist and packing engineer, Armour and Company, Chicago, 1941-43; chemist, Forest Products Laboratory, Pulp and Paper Division, Madison, Wisconsin, 1943-47. Publications: Report for the Bureau of Standards, 1944; reports for the Forest Products Laboratory, U.S. Department of Agriculture. NRS Assignment: November 1947; assists in ascertaining the status of current pulpwood, wood pulp, and paper production; determines the availability of Japanese pulp and paper products for Occupation Forces; surveys pulpwood resources, domestic and foreign, required by the Japanese wood pulp industries; advises pulp and paper associations on democratic reforms.

Resources Branch

HAIBACH, DONALD J., P-5; Forest Resources Specialist

Born: 31 January 1917. Education: B.S., State College of Washington, 1941. Professional Experience: Foreman, Washington State Federal-State Forest Tree Nursery, 1936-40; look-out fireman and dispatcher, U.S. Forest Service, 1939-40; extension forester, Extension Service, State of Washington, 1941-43. Societies: Society of American Foresters; Society of Military Engineers. Military Service: Entered Army of the United States, 1943; Civil Affairs Training School, University of Virginia, 1945; United States Military Government in Korea, 1945-46; discharged Captain, 1947. Publications: Several extension pamphlets on 4-H forestry and fire prevention. NRS Assignment: January 1948; investigates the forest situation in Japan in regard to the amount, location, condition, and management of forest resources; inspects and advises on pine bark beetle control, reforestation, and inaccessible forest road building programs.

MINING AND GEOLOGY DIVISION

GRANT, ROBERT Y., P-8; Chief

Born: 2 May 1913. Education: B.S., University of Washington, 1936. Professional Experience: Mining geologist, Cornucopia Gold Mines, 1940-41. Military Service: Commissioned Officers' Reserve Corps, 1936; entered active duty, Army of the United States, 1941; discharged Lieutenant Colonel, 1946. Societies: American Institute of Mining and Metallurgical Engineers. NRS Assignment: December 1945.

Metallurgy Branch

KELLY, ROBERT L., P-6; Head

Born: 23 June 1900. Education: B.S., mining and metallurgical engineering, Texas College of Mines, 1926, chemical engineering, 1933; B.S., chemical engineering, Oklahoma Agricultural and Mechanical College, 1927; B.S., general science, Missouri School of Mines, 1929. Professional Experience: Assistant professor of metallurgy, University of Utah, and ore-dressing engineer for the State of Utah, 1930-40; associate professor of metallurgy and private consultant, South Dakota School of Mines, 1940-44; private consultant on design, construction, and operation of ore-dressing and hydrometallurgical plants, 1944-47. Military Service: Student Army Training Corps, 1918. Publications: Numerous technical reports. Societies: American Institute of Mining and Metallurgical Engineers, Utah Society of Professional Engineers. NRS Assignment: December 1947; technical adviser on non-ferrous metallurgy in Japan, covering leaching, roasting, smelting, wet refining, electolytic refining, and distilling as applied in the recovery of non-ferrous metals from concentrates, ores, and scrap metals.

HERSCH, JOSEPH E., P-5 Ferrous Metallurgist

Born: 13 March 1919. Education: B.S., Chemistry, Franklin and Marshall College, 1943, M.S., metallurgical engineering, Purdue University, 1944; commission, U.S. Marine Corps Academy, 1944; diploma, Industrial Metallurgy, International Correspondence School. 1948. Professional Experience: Metallurgist, metallurgical dept, and project engineer, raw materials research dept, Bethlehem Steel Co. Military Service: United States Marine Corps 1943-1946. Societies: American Institute of Mining and Metallurgical Engineering. NRS Assignment: April 1948; technical adviser on ferrous metallurgy, covering leaching, roasting, smelting, and refining as applied in the recovery of ferrous metals from concentrates, ores, and scrap metals.

Mineral Economics Branch

SOKOLOV, ALBERT H., P-7; Head

Born: 20 September 1902. Education: Studied, University of Washington,

1920-23; LL.B., Columbia University, 1927. Professional Experience: Attorney, general practice, 1928-37; special agent, U. S. Department of the Interior, 1937-42. Military Service: Entered Army of the United States, 1942; Civil Affairs Training School, Yale University, and Military Government School, University of Virginia, 1944-45; discharged Captain, 1946. NRS Assignment: October 1945; scientific consultant on furlough from U. S. Department of the Interior; specialist, consulting and recommending policy on coal and metal mining industries in Japan with special emphasis on organization, controls, subsidies, mining law, and allocation and distribution of mining materials and mine products.

CUNNINGHAM, ALLAN, P-6; Mineral Economist

Born: 13 March 1894. Education: Studied, University of Pennsylvania, 1919-20; B.B.A. University of Washington, 1923. Professional Experience: Industrial engineer and economist, 1923-48; light metals specialist, 1941-48; industrial and government finance, 1923-37; electric power development and utilization, 1923-41; industrial specialist, economist, statistician, U.S. Government, intermittently 1938-48. Military Service: U.S. Navy, 1916-19. Publications: "The Aluminum Industry in Germany", 1946; "The Inter-American Highway", 1947. NRS Assignment: August 1947; prepares statistical and economic studies relating to the mineral industry of Japan; advises on statistical methods of SCAP and Japanese Government agencies with reference to the minerals industry.

Minerals Branch

HARRINGTON, JOSEPH F., P-7; Head

Born: 23 December 1904. Education: Studied, Montana School of Mines, 1930; B.S. Oregon State University, 1932, graduate mining studies, 1933-34. Professional Experience: Part-time, Bunker Hill and Sullivan, Anaconda, 1928-30; part-time, Bolivian International Tin Co., 1932-34; Sumpter Valley Dredging and Columbia Steel Casting Company, 1934-38; Idaho-Canadian Dredging Company, 1938-39; Fisher and Baumhoff Mining Company, 1939-42; U.S. Bureau of Mines, 1943-47. Publications: U.S. Bureau of Mines reports, 1943-46. Societies: American Institute of Mining and Metallurgical Engineers. NRS Assignment: September 1947; technical advisor on mining and ore dressing, covering recommendations on exploration, mining methods and ore dressing. Offers suggestions on mining and milling problems for more efficient use of existing plant facilities. Prepares reports on mineral resources of Japan and special reports on minerals deposits of occupied territories in Asia.

HASEGAWA, HIDESHIRO, P-3; Geologist

Born: 20 August 1922. Education: Studied, University of Utah, 1941-44. Military Service: Entered Army of the United States, 1944; dis-

charged Staff Sergeant, 1946. NRS Assignment: April 1946; responsible for surveillance of silica, building stone resources, graphite talc, pyrophylite, fluorite, mercury, antimony, arsenic and minor minerals. Prepare reports on mineral resources of Japan.

LEE, DONALD E., P-4; Geologist

Born: 31 January 1921; Education: A.B., Carleton College, 1943; M.S., University of Minnesota, 1947. Military Service: Entered Army of the United States, 1942; discharged First Lieutenant, 1945. NRS Assignment: July 1947; responsible for general surveillance of ceramic materials, fire-clays, china clays, pottery stones, feldspars, quartz, and of amphibole and chrysotile asbestos. Maintains liaison with Japanese geologic organizations. Responsible for the preparation of reports on asbestos, fire-clays, whiteware raw materials resources and bleaching and filler clays.

McMASTER, PATRICK D., P-5; Mining Engineer

Born: 1 August 1899. Education: E.M., Montana State School of Mines, 1923. Professional Experience: Mine sampler and mine engineer in copper, lead, zinc, gold, silver, and manganese mines in Montana, eight years; salesman and demonstrator of mining machinery, California and Nevada, two years; mining engineer engaged in the examination of strategic mineral deposits in North Carolina, Tennessee, Virginia, Georgia, South Carolina, and Kentucky, four years; mining engineer, mine foreman, and superintendent in gold, silver, lead and zinc mines, Latin America, ten years. Military Service: United States Army 1918. Publications: "Exploration of Chamberlain-Barnardville Iron Deposits, Roane County, Tennessee", 1946; U.S. Bureau of Mines report, 1946. NRS Assignment: March 1947; inspects metal mines as an underground mine advisor; offers suggestions on new, more efficient and conservative methods involving ore drilling and blasting, timbering, mine haulage, and extraction; prepares reports on mine examinations and mineral resources in Japan.

NICHOLSON, MICHAEL B., CAF-9, Mining Supervisor

Born: 19 January 1917. Professional Experience: Hollinger Consolidated Gold Mines and McIntyre Porcupine Mines, Porcupine Mining Camp, Canada, 1934-38; Silbak Premier Gold Mines, British Columbia, Canada, 1941-44; Yukon Treadwell, Yukon Territory; Alaska Treadwell, Alaska. Military Service: Canadian Army, 1939-41; Army of the United States, 1944-46. NRS Assignment: September 1946; prepares reports on angaur deposit and its operation. Gathers and compiles information on material, labor and efficiency of Japanese mines; makes time studies at the mines for improving efficiency.

POLLARD, MELVIN, P-4; Geologist

Born: 31 August 1922. Education: A.B., Harvard University, 1941; graduate studies, Harvard Graduate School, 1942. Professional

Experience: Field geologic assistant to Dr J. Lyons, Cascade, Montana, 1940; geology instructor, Tokyo Army Education Program, 1946-47. Military Service: Entered active duty, U.S. Naval Reserve, 1942; discharged Lieutenant (junior grade) 1946. NRS Assignment: January 1947; investigates and reports on rare mineral deposits, acts as consultant to technical personnel on technical reports on geology and mineral resources of Japan. Gathers and compiles information on mining and geological activities of Japanese in former Japanese occupied territories. Supervises ground water investigation surveys.

Petroleum Branch

STACH, LEOPOLD W., P-6; Head

Born: 16 June 1914. Education: B.Sc., Melbourne University, 1935, M.Sc., 1936. Professional Experience: Geologist and Micropaleontologist engaged in oil exploration, Australasian Petroleum Company, New Guinea, 1937-42; engineer intelligence research technician, Office of the Chief Engineer, U.S. Army Forces Pacific Area, 1942-45. Publications: Numerous articles in "Proceedings of the Royal Society of Victoria", "Australian Zoologist", "Journal of Geology", "Memoirs of the National Museum", "Proceedings of the Zoological Society of London", "The Petroleum Engineer", "World Oil", and other technical periodicals. Societies: Royal Society of Victoria; Royal Microscopical Society of London; Royal Zoological Society of New South Wales; Geological Society of the Philippines; American Association of Petroleum Geologists; American Geophysical Union. NRS Assignment: October 1945; studies and advises SCAP agencies and the Japanese Government on all aspects of the petroleum and natural gas producing industries in Japan; supervises Natural Resources scientific consultants in the fields of geological and geophysical survey, exploration, drilling, and production operations; investigates Japanese activities in the petroleum producing industry during the period of hostilities outside Japan Proper.

POLLOCK, CHARLES N., P-8; (Assimilated) Scientific Consultant

Born: 5 February 1898. Education: B.A., Cambridge University 1921, M.A., 1926. Professional Experience: Geologist, Shell-Royal Dutch Petroleum Group in Sarawak, Rumania, Egypt, United States, Holland, 1922-46. Military Service: British Army, 1917-19, 1940-45; demobilized, Major. Publications: Numerous technical reports for Shell-Royal Dutch Group. Societies: Royal Geographical Society; Geological Society of London, Institute of Petroleum, London. NRS Assignment: August 1946; studies all phases of petroleum and natural gas exploration in Japan; renders technical advice to the Japanese Government and producing companies concerning individual exploration projects and the planning of programs; conducts investigations into Japanese petroleum producing activities during the period of hostilities in areas outside Japan Proper.

UNDERWOOD, GEORGE W., P-5; Petroleum Engineer

Born: 13 December 1914. Education: Studied, Texas Agricultural and Mechanical College, 1932-34; B.A., University of Texas, 1937, graduate studies, 1939. Professional Experience: Oil Field and petroleum engineer, Gulf Oil Corporation, West Texas, 1937-39; geologist, Mene Grande Oil Company, Eastern Venezuela, 1939-41, resident geologist, Eastern Venezuela, 1946-47. Military Service: Entered Army of t he United States, 1942; discharged Captain, 1946. Societies: American Association of Petroleum Geologists; American Institute of Mining and Metallurgical Engineers. NRS Assignment: March 1948; advises on oil and gas-well drilling and producing problems and techniques; allocates critical material for the industry; investigates field conditions.

Solid Fuels Branch

CARROLL, DANIEL J., P-7; Head

Born: 20 June 1887. Education: Studied University of Illinois, 1906-07. Professional Experience: Chief engineer and assistant general superintendent, Chicago, Wilmington and Franklin Coal Co., 1912-27; chief engineer and general superintendent of operations, Woodward Iron Company, 1927-29; supervisor of mine construction works, Stone and Webster Corporation, 1929-30; consulting engineer, 1931-34; general manager, Mt Olive and Staunton Coal Company, 1934-35; president and general manager, Continental Coal Company, 1935-40; general manager, Crab-Orchard Improvement Company, 1940-42; owner-operator, small coal company, 1942-43; area distribution manager, Solid Fuels Administration, U.S. Department of the Interior, 1944-47. Societies: American Institute of Mining and Metallurgical Engineers. NRS Assignment: January 1947; supervises coal mine investigations and reports; examines coal mining properties, laboratories, and industries closely related to the coal industry and prepares reports of these examinations; assists and advises other sections of SCAP on work related to the coal industry.

MERRIAM, CHARLES S., Major; Economics Officer

Born: 3 November 1910. Education: Graduated, Greenbrier Military School 1930; studied, Virginia Military Institute, 1931-32. Professional Experience: Coal mine engineer, Koppers Coal Company, Powellton, West Virginia, 1934-47, section foreman, Stotesbury, West Virginia mine, 1941. Military Service: Commissioned, Officers' Reserve Corps, 1932; training officer, 1932-37; company commander, Civilian Conservation Corps, 1937-40; entered active duty, 1941. Societies: American Institute of Mining and Metallurgical Engineers. NRS Assignment: September 1946; coal mining engineer, conducts field investigations and prepares reports on mining operations and new developments; advises on coal mine safety and related problems.

LEWIS, JOHN B., P-5; Coal Mining Engineer

Born: 19 September 1916. Education: B.S., University of Washington, 1940. Professional Experience: Underground and surface trade work, Northwestern Improvement Coal Mining Company, Washington, and engineer, Consolidation Coal Company, West Virginia, 1934-40; engineer, Strain Coal Company, Washington, 1940; tooling engineer, Boeing Aircraft Company, Washington, 1941-45. Military Service: Entered Army of the United States, 1945; discharged, 1946. NRS Assignment: September 1946; conducts field investigations and prepares reports on geology of solid fuel deposits, mining operations, and mining potential; Natural Resources Section liaison representative to the Coal Exploration Advisory Committee.

MacAFEE, ROBERT D., P-5; Mining Engineer

Born: 7 May 1901. Education: Studied, Pomona Junior College, 1919-21; College of Mines, University of California, 1922-24; University of Nevada, 1926-27; Professional Experience: Field engineer, Compania Minera Choco Pacifico Andagoya, Colombia, 1929-30; production superintendent, Burnham Chemical Company, California, 1930-31; assistant to Chief engineer, Consolidated Goldfields American, Ltd., Placerville, California, 1932-36; metallurgist, Hercules Mining Co., Idaho, 1937-39; general manager, Alaskan Operations, Lansing Development Company, Hong Kong, China, and San Francisco, California, 1939-41; metals plant superintendent, Basic Magnesium, Inc., Henderson, Nevada, 1941-43; senior mining engineer, Foreign Economic Administration, Rio de Janiero, Brazil, 1943-44; Western Field Engineer, Freeport Sulphor Cor N.W. States, 1944-45, general superintendent, Penn Bucoda Coal Company, Washington, 1945-48. Societies: American Institute of Mining and Metallurgical Engineers; member, Mining Congress. NRS Assignment: March 1948; procures, appraises, and reports on technical data relative to Japanese coal mines; makes mine examinations; advises on improvements and safety of coal mines; Natural Resources Section representative with the Coal Exploration Advisory Committee; advises on modernization of mines and more efficient use of mechanical units and procedures of coal mining.

PLANS AND POLICIES DIVISION

ROCHE, MAURICE W., CAF-14, Chief

Born: 28 October 1912. Education: B.A., Lawrence College, 1935; M.A., University of Wisconsin, 1937. Professional Experience: Senior deputy, Illinois State Department of Labor, Division of Unemployment Compensation, 1938-41. Military Service: Commissioned Officers' Reserve Corps, 1936; entered active duty, 1941; administrative officer, Adjutant General's Office, Deputy Chief of Staff, Chief of Staff's Office, and Secretary of the General Staff, 1945-46. NRS Assignment: April 1946.

Coordination Branch

BARNETT, NORMAN P., Lieutenant Colonel; Head

Born: 1 October 1909. Education: B.A., Western Maryland College, 1932. Military Service: Commissioned Officers' Reserve Corps 1932; Civilian Conservations Corps duty, 1935-37; entered active duty 1940; troop commander, 1940-43; 25 months overseas duty, Asiatic Pacific Theater 1943-45; Battalion Commander, Replacement Training Center 1946-47; Command and General Staff School, 1946; 10 months G-4, GHQ, FEC, 1948; Commissioned Major, Inf., U.S. Army 1948. NRS Assignment: December 1948; supervises coordination of technical activities involving more than one division of Natural Resources Section, and acts as liaison officer in working with other agencies.

LANDALL, LINCOLN W., Lieutenant Colonel; Ryukyuan Affairs Officer

Born: 24 March 1912. Education: Studied, University of Montana, 1931-36. Professional Experience: Technician, forestry and grazing management, U.S. Forest Service, 1936-39. Military Service: Commissioned Officers' Reserve Corps, 1936; Civilian Conservation Corps duty, 1939-40; entered active duty, 1940; Asiatic-Pacific theater, 31 months; Asiatic Staff Officers' School, Yale University, 1946; commissioned Major, United States Air Forces, 1948. NRS Assignment: October 1946; surveys natural resources in the Ryukyus and coordinates natural resources activities in the Ryukyus with the Natural Resources Section.

Special Projects Branch

LUTEN, DANIEL B. JR., P-7; Head

Born: 15 March 1908. Education: A.B., Dartmouth, 1929; Ph.D., University of California, 1933. Professional Experience: Instructor in Chemistry, Dartmouth, 1930-31; teaching assistant and in-

structor in chemistry, University of California, 1933-35; research chemist, Shell Oil Company, Martinez, California, 1935-36; chemist, Shell Development Company, Emeryville, California, 1936-48. Publications: Technical articles in "Journal of the American Chemical Society", "Physical Review", "Journal of Physical Chemistry", and "Journal of Organic Chemistry". Societies: American Chemical Society, American Association for the Advancement of Science. NRS Assignment: June 1948; surveys Japanese methods of resources utilization and recommends improvements.

RICHARD, L.M.JR., P-5; Geographic Research Analyst

Born: 3 October 1907. Education: B.A., Dartmouth College, 1932; graduate study abroad, economic geography of western Europe, under professors of economic geography, Harvard University. Professional Experience: Marque Richard Associates, New York and Los Angeles; 1938, Land planning and resources utilization studies in Europe, Africa and Asia; Louis M. Richard Co (with Aluminum Co of America), war project for exploration and development of aluminus ores. Military Service: Lt Commander, United States Naval Reserve. NRS Assignment: May 1947; responsible for the compilation and interpretation of data regarding conservation, utilization, and production. Does geographic research which includes collection, analysis, and interpretation of data on distribution of food and raw material production, climatology and climatography, localization of facilities and production, and geographic relationships within Japanese economy for maximum efficient utilization of resources in connection with overall land planning. Liaison with Japanese Resources Committee of the Economic Stabilization Board.

INDEX

Page

ADAMS, CLAUDE M.; Fisheries Division; Head, Production and Processing Branch 11

AUSTIN, OLIVER L. Jr.; Fisheries Division; Head, Wildlife Branch 12

BARNETT, NORMAN P. Lieutenant Colonel; Plans and Policies Division; Head, Coordination Branch 22

BOULWARE, JAMES H.; Agriculture Division; Head, Production Branch 4

BROWN, LINDSEY A.; Agriculture Division; Head, Research Branch 6

BRUCE, HERBERT D.; Forestry Division; Head, Products and Research Branch 13

CAHN, ALVIN R.; Fisheries Division; Biologist, Resources Branch 12

CARROLL, DANIEL J.; Mining and Geology Division; Head, Solid Fuels Branch 20

COFFMAN, ERNEST B.; Agriculture Division; Agronomist, Production Branch 4

COOPER, JOHN L.; Agriculture Division; Head, Economics Branch 3

CRAIG, JOSEPH A.; Fisheries Division; Head, Resources Branch . . 11

CULBERTSON, RAYMOND E.; Agriculture Division; Horticulturist, Production Branch 5

CUMMINGS, LAURENCE J.; Deputy Chief, Forestry Division 13

CONNINGHAM, ALLAN; Mining and Geology Division; Mineral Economist, Minerals Economics Branch 17

DODSON, JOSEPH C.; Agriculture Division; Agricultural Economist, Production Branch 5

DONALDSON, HAROLD E., Lieutenant Colonel; Chief, Forestry Division 13

ERHARDT, FRANK L.; Agriculture Division, Technical Editor . . 3

INDEX (CONT'D)

Page

GOODWIN, DOROTHY C.; Agriculture Division; Economist, Economics Branch 3

GRANT, ROBERT Y.; Chief, Mining and Geology Division 16

GUELLOW, CREIGHTON N.; Agriculture Division; Head, Statistics Branch 9

HAIBACH, DONALD J.; Forestry Division; Forest Resources Specialist, Resources Branch 15

HARRINGTON, JOSEPH F.; Mining and Geology Division; Head, Minerals Branch 17

HASEGAWA, HIDESHIRO; Mining and Geology Division; Geologist, Minerals Branch 17

HERRINGTON, WILLIAM C.; Chief, Fisheries Division 10

HERSCH, JOSEPH E.; Mining and Geology Division; Ferrous Metallurgist, Metallurgy Branch 16

HEWES, LAURENCE I. JR; Agriculture Division; Land Reform Specialist, Economics Branch 4

JOHNSON, EARL G.; Agriculture Division; Land Reclamation Specialist, Soils and Fertilizer Branch 8

KIDD, ROBERT L.; Mining and Geology Division; Head Metallurgy Branch 16

KOHLER, ELLIS J.; Agriculture Division; Soil Scientist, Soils and Fertilizer Branch 8

LANDALL, LINCOLN W., Lieutenant Colonel; Plans and Policies Division; Ryukyuan Affairs Officer, Coordination Branch . 22

LEE, DONALD E.; Mining and Geology Division; Geologist, Minerals Branch 18

LEONARD, WARREN H.; Chief, Agriculture Division 1

LEWIS, JOHN B.; Mining and Geology Division; Coal Mining Engineer, Solid Fuels Branch 21

Page

LUTEN, DANIEL B. JR.; Plans and Policies Division; Head, Special Projects Branch 22

MacAFEE, ROBERT D.; Mining and Geology Division; Mining Engineer, Solid Fuels Branch 21

McMASTER, PATRICK D.; Mining and Geology Division; Mining Engineer, Minerals Branch 18

MERRIAM, CHARLES S., Major; Mining and Geology Division; Economics Officer, Solid Fuels Branch. 20

MILLIGAN, CLARK C.; Agriculture Division; Economic Analyst, Statistics Branch 9

MURDOCK, HAROLD R.; Forestry Division; Head, Pulp and Paper Branch 14

NAGATA, SHIGERU S.; Fisheries Division; Industrial Engineer, Facilities Branch 11

NEVILLE, WILLIAM C.; Deputy Chief, Fisheries Division. 10

NICHOLSON, MICHAEL B.; Mining and Geology Division; Mining Supervisor, Minerals Branch 18

POLLARD, MELVIN; Mining and Geology Division; Geologist, Minerals Branch 18

POLLOCK, CHARLES M.; Mining and Geology Division; Scientific Consultant, Petroleum Branch 19

REICHARD, EUGENE C.; Forestry Division; Conservation Specialist 13

RICHARD, MARQUE, L. JR.; Plans and Policies Division; Geographic Reasearch Analyst, Special Projects Branch . . 23

RITCHIE, ROBERT R.; Agriculture Division; Agricultural Economist, Production Branch 6

RITCHIE, THOMAS E.; Agriculture Division; Head, Soils and Fertilizer Branch 7

ROBERTS, RAYMOND: Agriculture Division; Entomologist, Production Branch 6

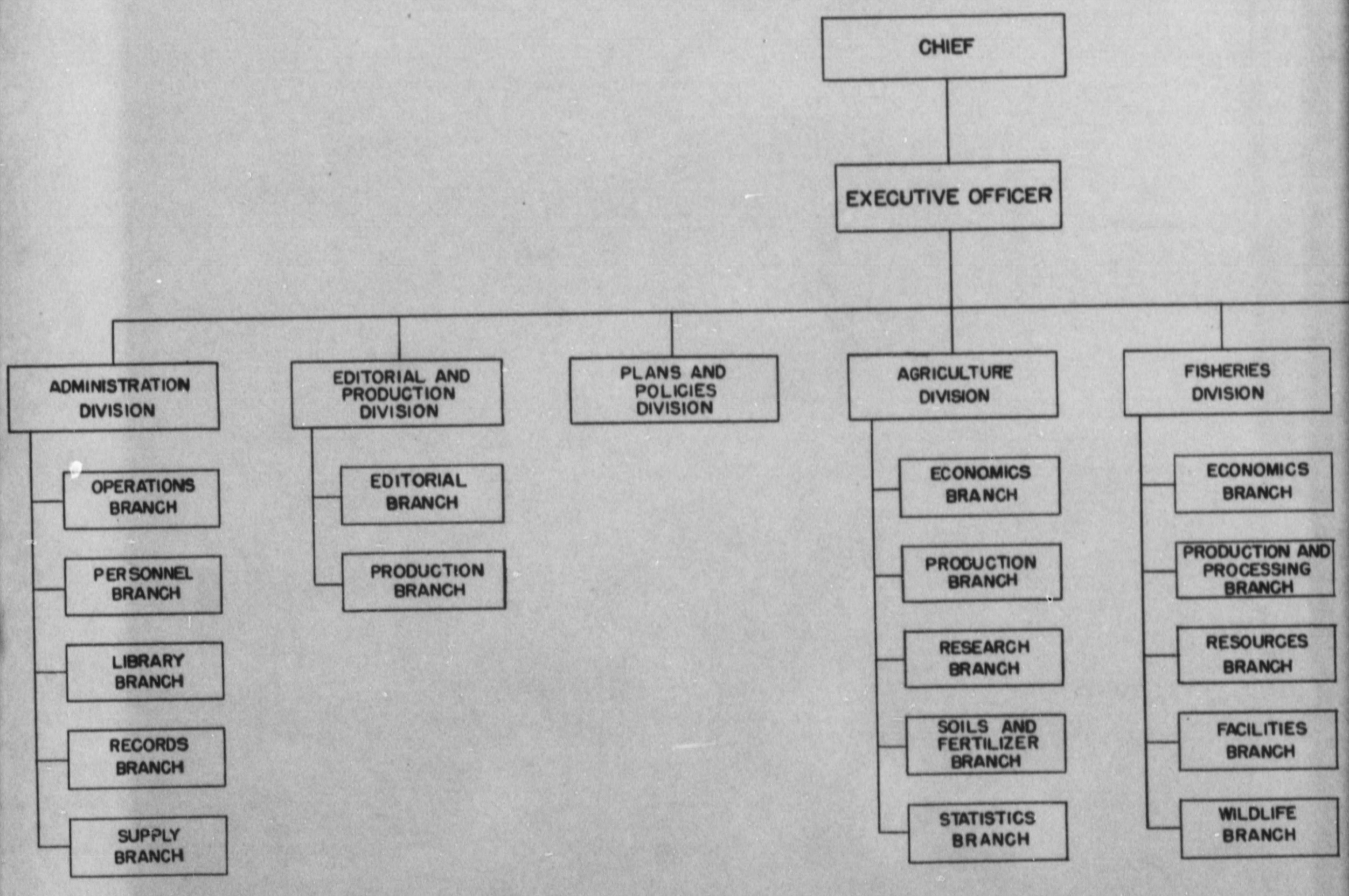
ROCHE, MAURICE W.; Chief, Plans Policies Division 22

INDEX (CONT'D)

	Page
ROELOFS, GARRITT E.; Agriculture Division; Agricultural Extension Specialist, Research Branch	7
SCHENCK, HUBERT G., Lieutenant Colonel; Chief, Natural Resources Section	1
SHULLEY, FREDERICK J.; Forestry Division; Forest Products Economist, Economics Branch	14
SOLOMON, ALBERT H.; Mining and Geology Division; Head, Mineral Economics Branch	16
SPINAR FRANK J.; Forestry Division; Forest Products Economist, Pulp and Paper Branch	15
STACH, LEOPOLD W.; Mining and Geology Division; Head, Petroleum Branch	19
STAKER, ERNEST V.; Agriculture Division; Soil Fertility Specialist, Soils and Fertilizer Branch	8
TAKAHASHI, SHIGEHARU; Agriculture Division; Economist, Economics Branch	4
TERRY, WILLIAM M.; Fisheries Division; Whaling Specialist, Production and Processing Branch	11
UNDERWOOD, GEORGE W.; Mining and Geology Division; Petroleum Engineer, Petroleum Branch	20
WILLIAMSON, MARK B.; Deputy Chief, Agriculture Division	1
YOE, HARRY W., Fisheries Division; Head, Economics Branch	10

SCAP

NATURAL RESOURCES SECTION

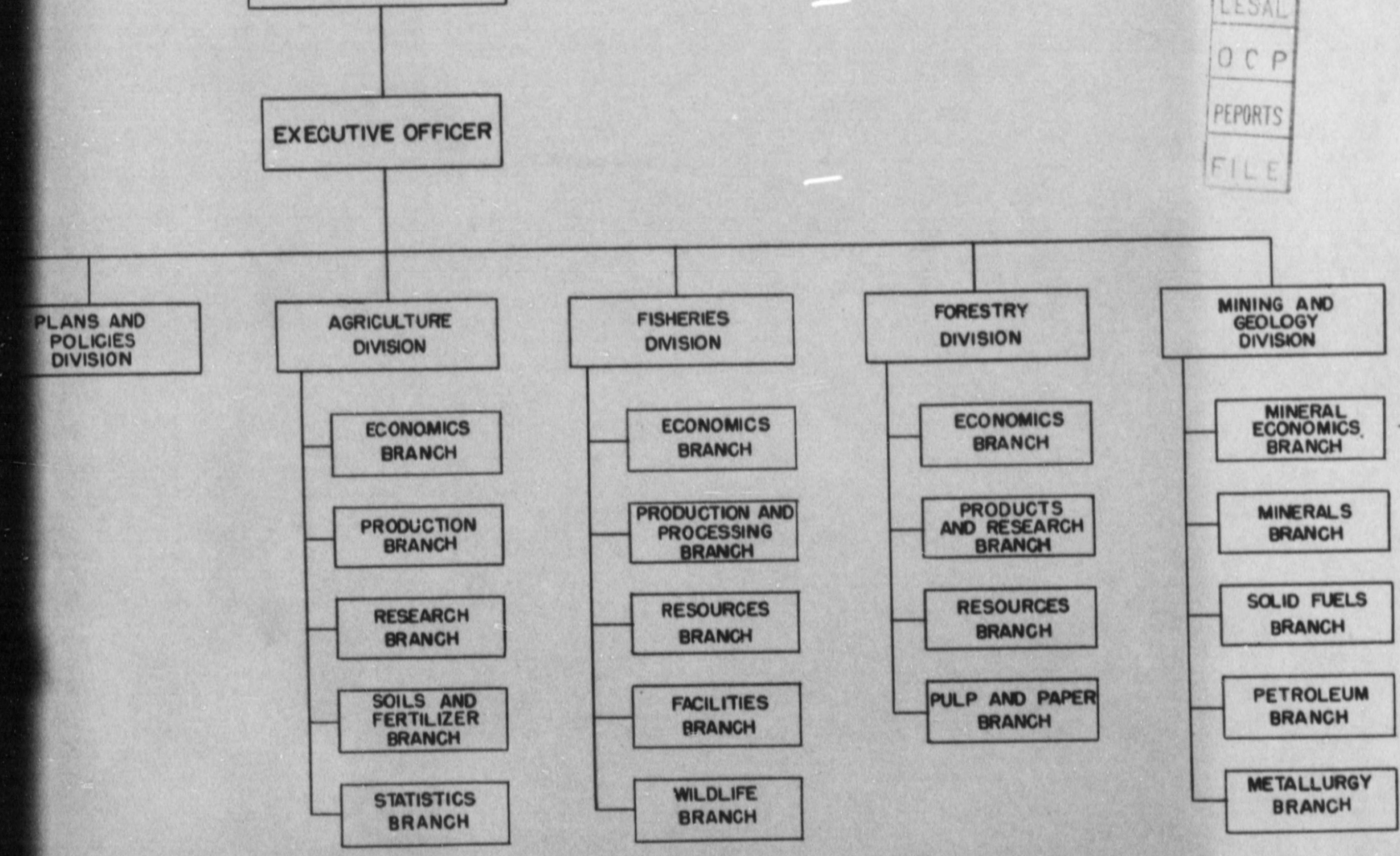


SCAP

NATURAL RESOURCES SECTION

Econ file
BR

CHMG
E X O
A DM
ECON ✓ 42
SOC.A.
F I N
LESAL
O C P
PEPORTS
FILE



6 SEPTEMBER 1948

2674—FEC Printing Plant—10/48—600