

# Geologic Survey Mapping in the United States

● THE committee indicated in Bulletin 46 the status and usefulness of geologic maps for highway-engineering purposes. The following information furnished by the U. S. Geological Survey at the request of the committee has been included to supplement the information contained in Bulletin 46.

The usefulness of geologic maps for highway engineering purposes was brought out in Bulletin 28, 1950. This bulletin included a map showing the status of geologic mapping in the United States furnished by the U. S. Geological Survey and information about available indexes to geologic mapping obtainable by States from that organization. A new map which brings the information about published geologic maps up to 1952 has just been released by the Geological Survey and is reproduced in Figure 1. Extra copies of this map may be obtained on application to the Geological Survey, Washington 25, D. C.

## Current Investigations of the U.S.G.S. Involving Geologic Mapping

The Geological Survey prepares geologic maps for several purposes in more than one of its divisions. The Geologic Division conducts systematic surveys and research and investigations related to mineral resources and to engineering geologic problems. Many of the geologic maps prepared by this division are highly detailed and restricted to mineralized areas. The Water Resources Division, through its Ground Water Branch, makes systematic and special geologic investigations in connection with the occurrence of ground water. Many of the studies have special application to highway construction and planning. Geologic maps, cross-sections, and texts are published.

The following list of investigations include only a real geologic mapping which it is felt may be useful to engineers engaged in construction work in the areas concerned.

As geologists in charge of the Geologic Division projects, Table 1, are in the field for only a part of the year, and as the investigations frequently involve con-

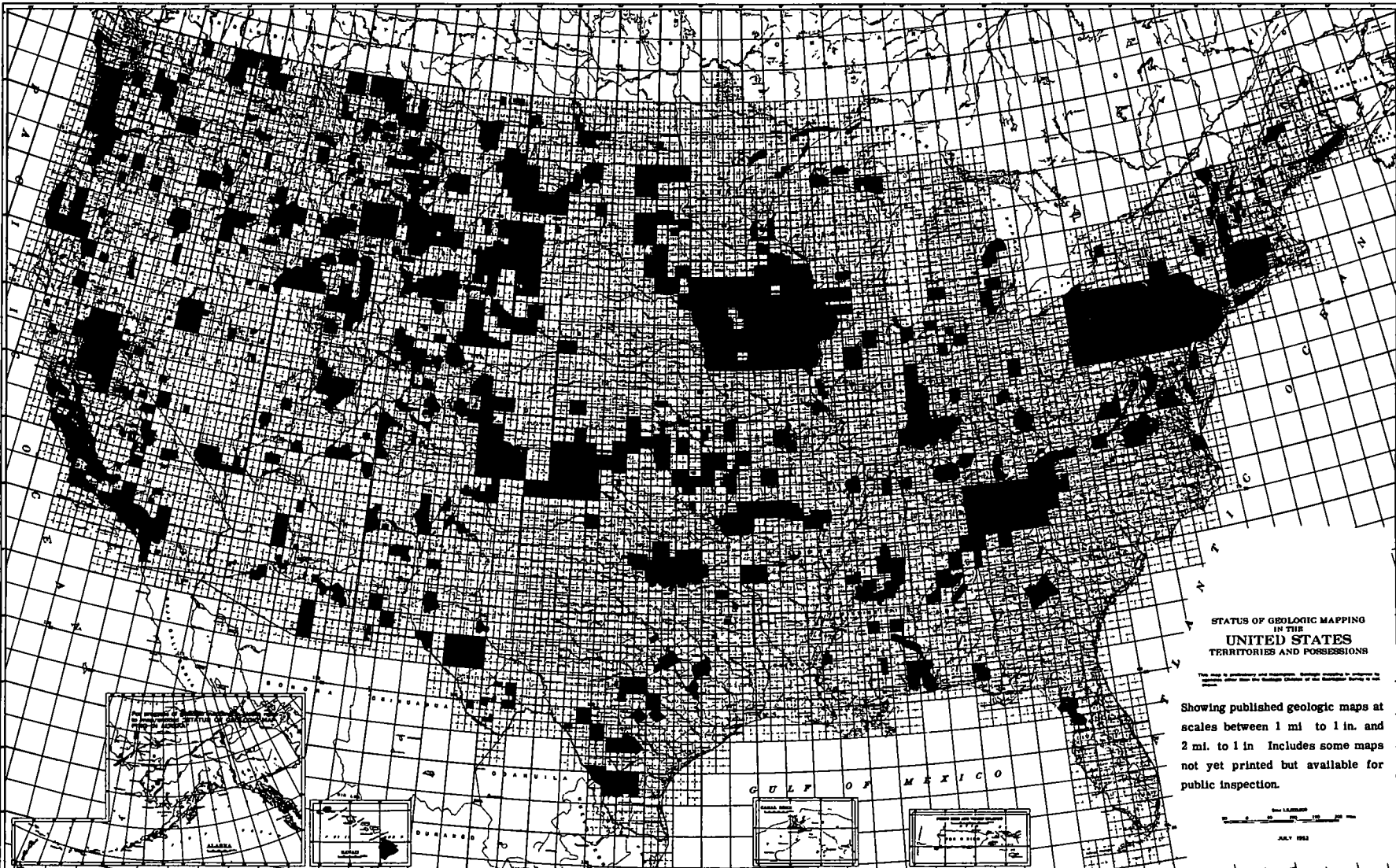
siderable laboratory and office research generally not performed in the field area, it is suggested that any inquiry about them should be addressed to Director, U. S. Geological Survey, Washington 25, D. C. Water Resources Division projects, Table 2, are directed from permanent offices in the states where both original and published records are available. Inquiry may be made through the field offices or through the Director, as indicated above.

## STATE GEOLOGICAL INDEX MAP

The following map indexes, which are now available for most of the States, show the areas of published geologic maps in each State and give the source of publication of each map. Following is a list of the available geologic map indexes with price of each. Most of these indexes are on a scale of 1:750,000, others are 1:500,000 or 1:1,000,000. They may be obtained from the Chief of Distribution, Geological Survey, Washington, D. C., or for the convenience of persons living west of the Mississippi River, indexes for States in that part of the country may be ordered from the Distribution Section, Geological Survey, Denver Federal Center, Denver, Colorado.

Alabama	\$0 40	Nevada	\$0 30
Arizona	35	New Hampshire-Vt	50
Arkansas	65	New Jersey	.40
California	1.00	New Mexico	70
Colorado	70	New York	60
Georgia	.35	North Carolina	50
Idaho	25	North Dakota	.40
Indiana	45	Ohio	25
Iowa	35	Oregon	.25
Kansas	30	Pennsylvania	.60
Kentucky	50	South Carolina	.25
Louisiana	50	South Dakota	30
Maine	25	Tennessee	40
Maryland-Delaware	40	Texas	60
Mass -R I -Conn	40	Utah	.25
Mississippi	25	Virginia	40
Missouri	.30	Washington	35
Montana	35	West Virginia	25
Nebraska	35	Wyoming	50

Most of the states have geological surveys or similar state agencies that can supply information on availability of geologic maps and work in progress within their states. The names of the state geologists and the location of their offices have been listed in Table 3 for ready reference.



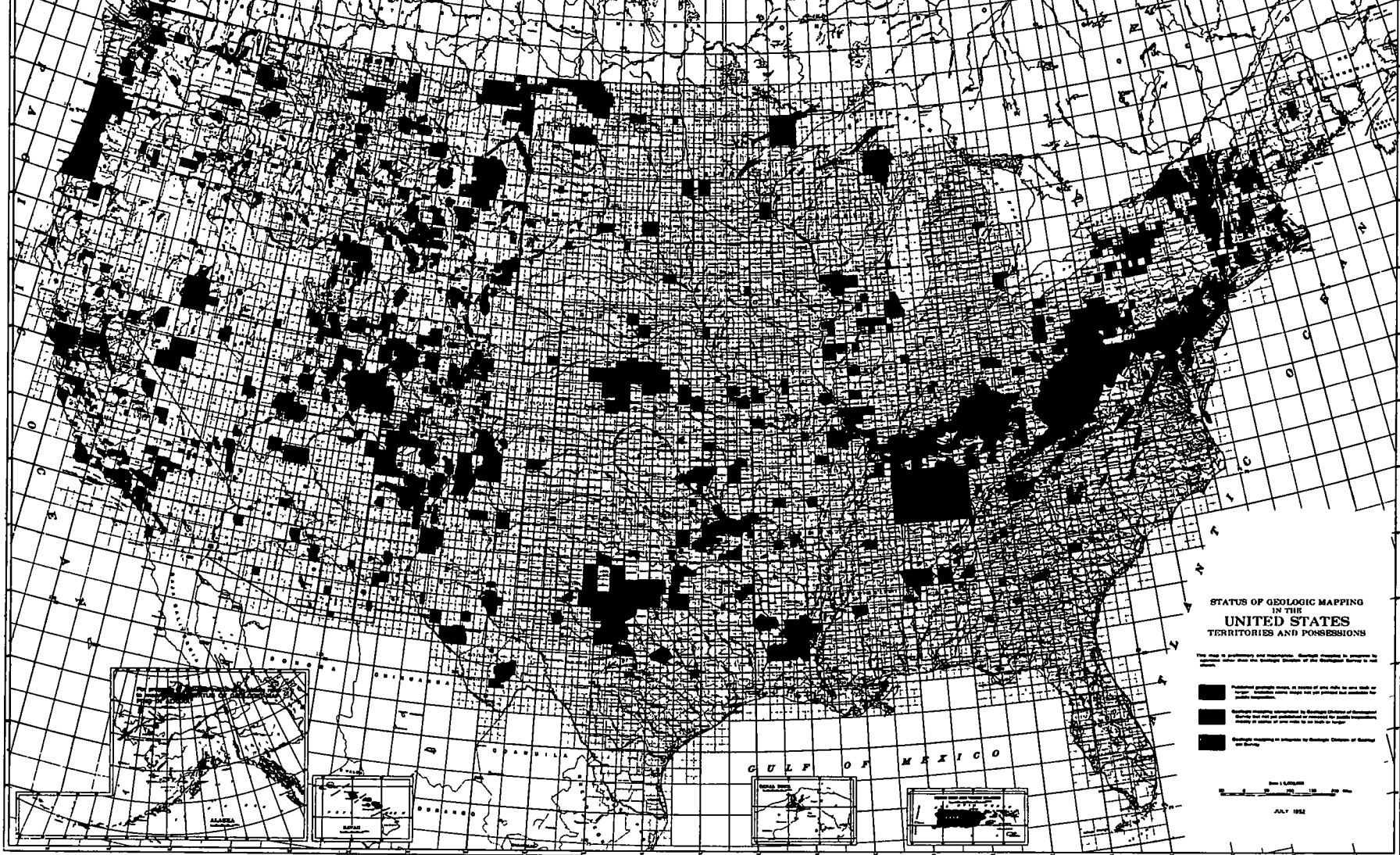
**STATUS OF GEOLOGIC MAPPING  
IN THE  
UNITED STATES  
TERRITORIES AND POSSESSIONS**

The black blocks represent the areas mapped, the white spaces, the uncharted areas.

Showing published geologic maps at scales between 1 mi. to 1 in. and 2 mi. to 1 in. Includes some maps not yet printed but available for public inspection.






JULY 1942



**STATUS OF GEOLOGIC MAPPING  
IN THE  
UNITED STATES  
TERRITORIES AND POSSESSIONS**

This map is preliminary and approximate. Detailed mapping is necessary to show the actual status of geologic mapping in the United States and its possessions.

-  National geologic maps, as shown on page 10, are not shown on this map.
-  Geologic mapping completed by the Geological Survey of the United States, but not yet published and available for sale.
-  Geologic mapping in progress by the Geological Survey of the United States.

Scale 1:500,000  
JULY 1932

## U.S.D.A - Division of Soil Survey

The status of soil mapping in the United States was presented in Highway Research Board Bulletin 22, "Engineering Use of Agricultural Soil Maps". Additional areas mapped for 50 and 51 were shown in Bulletins 28 and 46. Since the publication of the last bulletin additional county, or area, agricultural maps have been published; also new soil surveys have been started or are in the process of completion. Table 5 lists the soil mapping completed since the publication of Bulletin 46 and Table 6 lists the counties or areas in which soil surveys are in progress. This mapping is listed by states and where field work is in progress the party chief and the soil correlator has been included for

reference purposes. The address of the soil correlators are given in Table 4 and it is suggested that these men should be consulted regarding additional details about the mapping in these areas.

The committee suggests that engineers who may not be familiar with the classification system used in the preparation of agricultural soil maps consult with the soil correlator designated in Table 4 for the area in question. In many instances he can indicate which soil map units (soil type) are likely to contain sources of road-building materials and also assist the engineer to better understand the county soil maps.

## Soil Conservation Service - U.S.D.A.

The status of soil mapping by the Soil Conservation Service has been indicated in Highway Research Board Bulletin 28 "Soil Exploration and Mapping" and a map was included to show the extent of this type of coverage in the United States.

This information should be useful to engineers making engineering soil surveys or preparing generalized soil maps from the study of aerial photographs for engineering purposes in areas which do not have published agricultural soil maps. Often areas which are not covered by published county or area agricultural soil maps have been mapped rather extensively by individual farm maps. Since these maps indicate the soil type and series they can be made an invaluable aid for

furnishing factual ground information and minimize the number of field checks required for estimating the engineering significance of terrain in the interfarm areas from the study of aerial photographs.

The regional soil scientist usually can furnish the engineer with soil profile descriptions, soil keys, nomenclature and the type of parent material associated with the various soil series mapped in his region. The regional soil scientists for the various regions are listed in Table 7 and the State Soil Scientists are shown in Table 8. It is suggested that these men be consulted for detailed information useful for making engineering appraisals for highway purposes.

TABLE 1

CURRENT INVESTIGATIONS INVOLVING GEOLOGIC MAPPING,  
GEOLOGIC DIVISION, 1-62, 500 OR LARGER SCALES

<u>Project</u>	<u>ALABAMA</u>	<u>Project Chief</u>
Survey of the belt of Cretaceous rocks in Central Alabama		L. C. Conant
	<u>ARIZONA</u>	
Jerome Copper District, Yavapai County		C. A. Anderson
Globe-Miami Copper District, Gila County		N. P. Peterson
Little Dragoons Copper District, Cochise County		J. R. Cooper
Carrizo Mountains, Northeastern Arizona		J. D. Strobell, Jr.
Investigations of uranium in pre-Morrison formations		J. F. Smith, Jr.
Upper Gila River Basin		R. B. Morrison
	<u>ARKANSAS</u>	
North Arkansas Oil and Gas, Geologic Mapping and Studies of Resources, Newton-Searcy Counties		J. C. Maher
Waldron quadrangle		J. A. Reinemund
	<u>CALIFORNIA</u>	
San Andreas Rift Zone, Los Angeles and San Bernardino Counties		Levi F. Noble
Areas in Mojave Desert Region, San Bernardino and Kern Counties		D. F. Hewett
San Francisco Area		Julius Schlocker
Bishop Tungsten District, Inyo County		P. C. Bateman
Motherload Gold District, Tuolumne and Calaveras Counties		A. A. Stromquist
Shasta Copper District, Shasta County		A. R. Kinkel
Cerro Gordo Quadrangle, Inyo County		W. C. Smith
Pala Pegmatite district, San Diego and Riverside Counties		R. H. Jahns
Ubehebe Peak Quadrangle, Inyo County		J. F. McAlister
Darwin Area, Inyo County		J. F. McAlister
Study of deep drill cores of Los Angeles Basin		A. O. Woodford
Northwest Santa Ana Mountains, Orange County		D. M. Kinney
Study of Miocene and Pliocene deposits of the Santa Clara Valley, Ventura and Los Angeles Counties		E. L. Winterer
Los Angeles and vicinity		R. C. Townsend
Eastern Sierra tungsten belt, Mono and Alpine Counties		P. C. Bateman
Sierra Foothills mineral belt		L. D. Clark
	<u>COLORADO</u>	
Surficial Geology—Denver Area		C. B. Hunt
Detailed Geologic mapping along Upper South Platte (North fork), Park, Jefferson and Douglas Counties		Glen R. Scott
Kokomo (Tenmile) Mining District, Summit, Lake, and Eagle Counties		A. H. Koschmann
Central San Juan Mountains		W. S. Burbank
Holy Cross Quadrangle, Eagle, Lake, Summit, and Pitkin Counties		O. L. Tweto
Trinidad Coal Field, Southeastern Colorado		G. H. Wood, Jr.
Oil Shale areas in Garfield County		J. R. Donnell
Glenwood Springs Quadrangle, Garfield County		N. W. Bass
Animas River Coal Field, LaPlate, Archuleta and Montezuma Counties		H. Barnes
Uinta Basin Oil Shale-White River Area, Garfield and Rio Blanco Counties		W. B. Cashion
City geology, Denver		M. R. Mudge
Northwest extension, Animas River area		A. A. Wanek
Northern coal field of the Denver Basin		F. D. Spencer
Clay deposits in the foothills of the Front Range		K. Waage
Areas in the Colorado Plateau, uranium inves.		R. P. Fischer
Hardscrabble mining district		Q. D. Singewald
Central City-Georgetown area		P. K. Sims
Carbondale coal field		J. R. Donnell
	<u>IDAHO</u>	
Blackbird-Noble No. 3 Quadrangle, Lemhi County		J. S. Vhay
Phosphate districts in Bear Lake, Caribou, Bannock, and Brigham Counties		R. W. Swanson
Coeur d'Alene mining district, Shoshone County		S. W. Hobbs
Orofino Area, Clearwater County		A. Hietanen-Makela

**CURRENT INVESTIGATIONS INVOLVING GEOLOGIC MAPPING,  
GEOLOGIC DIVISION, 1:62,500 OR LARGER SCALES (Continued)**

<u>Project</u>	<u>Project Chief</u>
<b>INDIANA</b>	
Owensboro quadrangle	L. L. Ray
<b>IOWA</b>	
City geology, Omaha and vicinity	R. D. Miller
Lead-zinc investigations	A. F. Agnew
<b>KANSAS</b>	
County by county survey of construction materials in northern and central Kansas	F. E. Byrne
Geologic mapping of Pennsylvanian rocks in Kansas beginning in Wilson County	H. C. Wagner
<b>KENTUCKY</b>	
Geology of the coal-bearing region in eastern Kentucky	J. W. Huddle
Owensboro quadrangle	L. L. Ray
<b>MAINE</b>	
Poland Quadrangle, Androscoggin, Cumberland, and Oxford Counties	J. B. Hanley
<b>MASSACHUSETTS</b>	
Mapping of Quadrangles in Massachusetts in cooperation with Massachusetts Department of Public Works	L. W. Currier
<b>MICHIGAN</b>	
Michigan Copper District, Houghton, Keweenaw, and Ontonagon Counties	W. S. White
Iron Deposits, Iron and Dickinson Counties	H. L. James
<b>MINNESOTA</b>	
Cuyuna Range, Crow Wing County	R. G. Schmidt
<b>MONTANA</b>	
Medicine Lake Area, Sheridan, Roosevelt, and Daniel Counties	I. J. Witkind
Stratigraphy of Belt Series in and near western Montana	C. P. Ross
Plentywood, Sheridan and Roosevelt Counties	R. B. Colton
Fort Peck Dam Project, McCone and Valley Counties	F. S. Jensen
Big Sandy Creek, South half Chouteau and Blaine Counties	R. M. Lindvall
Cat Creek region	W. D. Johnson, Jr.
Winifred area	W. W. Olive
Jordan coal field	G. E. Prichard
Three Forks quadrangle	G. D. Robinson
Great Falls-Sun River Area	R. W. Lemke
Stillwater Chromite Deposits, Stillwater and Sweetgrass Counties	J. W. Peoples
Phosphate deposits of Southwest Montana, Beaverhead and Madison Counties	R. W. Swanson
Judith Mountains, Fergus County	E. N. Goddard
Boulder Batholith, Broadwater and Jefferson Counties	M. R. Klepper
Lewistown, Forest Grove-Button Butte Area, Fergus County	L. S. Gardner
Mission Canyon Project, Park County	P. W. Richards
Girard Coal Field, Richland County	G. E. Prichard
Bearpaw Mountains, Hill, Choteau, and Blaine Counties	W. T. Pecora
<b>NEBRASKA</b>	
Yankton Area, Cedar and Knox Counties	H. E. Simpson
Geology and Construction Materials of Quadrangles in the Republican River Valley	E. Dobrovolny
Quadrangles along the Lower Platte River, Valley and Howard Counties	E. Dobrovolny
City geology, Omaha and vicinity	R. D. Miller
<b>NEVADA</b>	
Carson Sink Basin, Churchill County	R. B. Morrison
Mojave Desert Region, Clark County, (Scale 1:120,000)	D. F. Hewett
Geology along Colorado River, Clarke County	C. R. Longwell
Hilltop and Crescent Valley Quadrangles, Lander County	James Giluly

**CURRENT INVESTIGATIONS INVOLVING GEOLOGIC MAPPING,  
GEOLOGIC DIVISION, 1:62,500 OR LARGER SCALES (Continued)**

<u>Project</u>	<u>Project Chief</u>
<b>NEVADA</b>	
Gabbs Magnesite District, Nye County	C. J. Vitaliano
Antler Peak Quadrangle, Lander and Humboldt Counties	R. J. Roberts
Sonoma Range Quadrangle, Pershing, Humboldt, and Lander Counties	H. G. Ferguson
Steamboat Springs District, Washoe County	D. E. White
Eureka Mining District, Eureka County	T. B. Nolan
Pioche Mining District, Lincoln County	C. F. Park, Jr.
Osgood Mountains quadrangle	P. E. Hotz
<b>NEW JERSEY</b>	
Study of Magnetite Deposits, New Jersey Highlands	A. F. Buddington
<b>NEW MEXICO</b>	
Potash resources in Eddy and Lea Counties	C. L. Jones
Burro Mountains Fluorspar District, Grant County	E. Gillerman
Silver City Mining Region Grant County	R. E. Hernon
Sangre de Cristo Mountain area, Santa Fe, San Miguel, Taos, Mora, and Colfax Co.	C. B. Read
Chaco River Coal Field, San Juan County	E. C. Beaumont
Carrizo Mountains, Northwestern New Mexico	J. D. Strobell, Jr.
Tohatchi Area, McKinley County	J. D. Sears
Animas River Coal Field, San Juan County	H. Barnes
Valles Mountains Region, Sandoval County	C. S. Ross
Investigations of uranium in pre-Morrison formations	J. F. Smith, Jr.
Upper Gila River Basin	R. B. Morrison
<b>NEW YORK</b>	
Gouverneur Talc district, St. Lawrence County	A. E. J. Engel
Magnetite Deposits, St. Lawrence and Clinton Counties	A. F. Buddington
<b>NORTH CAROLINA</b>	
Great Smoky Mountains National Park, Swain, Haywood and Jackson Counties	P. B. King
Shelby Quadrangle	R. G. Yates
Spruce Pine Pegmatite District, Avery, Mitchell, and Yancey Counties	J. L. Kulp
Hamme Tungsten District	J. M. Parker, 3d
<b>NORTH DAKOTA</b>	
Pleistocene Geology, Western North Dakota	A. D. Howard
Medicine Lake Area, Divide and Williams Counties	I. J. Witkind
Missouri-Souris Project, Northwest N. D.	R. W. Lemke
Square Butte Coal Field, Oliver County	W. D. Johnson, Jr.
Knife River Area, Mercer County	W. E. Benson
<b>OHIO</b>	
Geology and coal resources of Belmont County	H. L. Berryhill, Jr.
<b>OREGON</b>	
Portland Industrial Area	D. E. Trimble
John Day Chromite District, Grant County	T. P. Thayer
Galice Quadrangle, Josephine County	F. G. Wells
Coast Range	E. M. Baldwin
<b>PENNSYLVANIA</b>	
Magnetite Deposits, York and Lancaster Counties	A. F. Buddington
Selected coal mining areas in Pennsylvania Anthracite Region	H. H. Arndt
<b>RHODE ISLAND</b>	
Northeastern Rhode Island	A. W. Quinn
<b>SOUTH DAKOTA</b>	
Pleistocene Geology, Eastern half of S. D.	R. F. Flint

CURRENT INVESTIGATIONS INVOLVING GEOLOGIC MAPPING,  
GEOLOGIC DIVISION, 1.62, 500 OR LARGER SCALES (Continued)

<u>Project</u>	<u>Project Chief</u>
<b>SOUTH DAKOTA</b>	
Pierre Area, Stanley and Hughes Counties	D. R. Crandell
Chamberlain Area, Brule, Lyman, and Buffalo Counties	C. R. Warren
Yankton Area, Yankton and Bonhomme Counties	H. E. Simpson
Custer-Keystone Pegmatite District, Custer and Pennington Counties	J. J. Norton
<b>TENNESSEE</b>	
Great Smoky Mountains National Park, Sevier and Cocke Counties	P. B. King
Detailed mapping of Zinc deposits in East Tennessee	A. L. Brokaw
Knoxville and vicinity	J. M. Cattermole
<b>TEXAS</b>	
Areas in Hudspeth County	J. F. Smith
Oil and Gas Investigations, North central Texas	D. H. Eargle
<b>UTAH</b>	
Blue Mountains, San Juan County	G. O. Robinson
LaSal Mountains, San Juan County	C. B. Hunt
Northern Bonneville Basin, Cache, Box Elder, and Weber Counties	J. Stewart Williams
Southern half Utah Valley, Utah County	H. J. Bissell
Marysvale Alunite District	E. Callaghan
East Tintic Mining District, Juab County	T. S. Lovering
Iron Springs District, Iron County	J. H. Mackin
Bear River Phosphate District, Rich County	R. W. Swanson
Alta Quadrangle, Salt Lake, Wasatch, and Uintah County	M. D. Crittenden
Strawberry Quadrangle	A. A. Baker
Woodside Quadrangle, Carbon and Emery Counties	V. H. Johnson
Uinta Basin Oil Shale Region, White River Area, Uintah County	W. B. Cashion
Cedar City SE quadrangle	P. Averitt
Areas in the Colorado Plateau, uranium invest	R. P. Fischer
Investigations of uranium in pre-Morrison formations	J. F. Smith, Jr.
Drum Mountains, Utah	M. H. Staatz
Upper Green River Valley	W. R. Hansen
<b>VERMONT</b>	
Vermont Talc	W. M. Cady
<b>VIRGINIA</b>	
Hamme Tungsten District	J. M. Parker, 3d
Fairfax Quadrangle, Fairfax and Loudoun Counties	C. Milton
Richmond coal basin	E. I. Rich
Potomac Basin erosion studies	J. T. Hack
<b>WASHINGTON</b>	
Portland Industrial Area, Clark County	D. E. Trimble
Landslide Studies, Franklin D. Roosevelt Lake	F. O. Jones
Lower Snake River Canyon, Franklin, Walla Walla, Columbia, Whitman, and Garfield Counties	H. H. Waldron
Chewelah Magnesite District, Stevens County	Ian Campbell
Northport District, Stevens County	C. D. Campbell
Centralia-Chehalis coal district, Lewis and Thurston Counties	P. D. Snavelly, Jr.
Pysht, Lake Crescent, Port Crescent and Port Angeles Quadrangle, Clallam Co.	P. D. Snavelly, Jr.
Toledo-Castle Rock Coal District, Cowlitz County	A. E. Roberts
Holden-Glacier Peak quadrangle	F. Cater
Puget Sound Basin	H. H. Waldron
<b>WEST VIRGINIA</b>	
Potomac Basin erosion studies	J. T. Hack
<b>WISCONSIN</b>	
Lead-Zinc Deposits in Grant, Lafayette, and Iowa Counties	Allen Agnew



**CURRENT INVESTIGATIONS INVOLVING GEOLOGIC MAPPING,  
GEOLOGIC DIVISION, 1-62, 500 OR LARGER SCALES (Continued)**

<u>Project</u>	<u>Project Chief</u>
<b>WYOMING</b>	
Cokeville Area, Lincoln and Sublette County	W. W. Rubey
Iron Deposits in Laramie Range, Albany County	W. H. Newhouse
Bear River Phosphate Deposits, Lincoln and Uinta Counties	R. W. Swanson
Spotted Horse Coal Field, Sheridan and Campbell Counties	W. W. Olive
Clark Fork Area, Park County	W. G. Pierce
Lake De Smet Area, Johnson County	W. J. Mapel, Jr
Crazy Women Creek Area, Johnson County	R. K. Hose
Beaver Divide area, Fremont County	F. B. Van Houten
Lenore area, Wind River Basin	J. L. Murphy
DuNoir area, Wind River Basin	W. R. Keefer

TABLE 2

**CURRENT INVESTIGATIONS INVOLVING GEOLOGIC MAPPING,  
WATER RESOURCES DIVISION, GROUND WATER BRANCH**

<u>Project</u>	<u>Project Chief</u>
<b>ALABAMA</b>	
Baldwin, Choctaw, Madison, Montgomery, Monroe, Randolph, Tuscolousa, Wilcox Counties Mapping Scale 1:31680, Pub. Scale 1:125,000	P. E. LaMoreaux
<b>ALASKA</b>	
Anchorage area, Knik and Anchorage Quadrangles Mapping Scale 1:48,000	D. J. Cederstrom
Matanuska Valley (Agricultural area) Mapping Scale 1:50,000	F. W. Trainer
Parts of Sutton, Matanuska, Eklutna, Houston Quadrangles and Knik County Mapping Scale 1:50,000	
<b>ARIZONA</b>	
Douglas Basin, Cochise County Mapping Scale 1:3168, Pub. Scale 1:125,000	
Papago Indian Reservation, Pinal County	
Papago Indian Reservation, Pima County	
Lower San Pedro Valley, Pinal County and parts of Pima, Cochise and Graham Cos.	
San Carlos Indian Reservation, Graham County	
Navajo County Irregation District Mapping Scale 1 30,000, Pub. Scale 1 62,500	
Mogollon Rim area, Coconino, Navajo and Apache Counties	L. C. Halpenny
Navajo Reservation - Coconino - Navajo - Apache Cos. , Includes areas in San Juan County Utah, and McKinley and San Juan Cos. , New Mexico Mapping Scale 1:31680, Pub Scale 1:125,000	J. W. Harshbarger
<b>ARKANSAS</b>	
Reconnaissance of Little River County and parts of Sevier, Howard, Pike, Clark, Hot Springs, Quachito Nevada, Hempstead and Miller Counties Scale 1-inch = 3-miles	Roger C. Baker
<b>CALIFORNIA</b>	
Eureka - Fortuna Area Mapping Scale 1:62,500	
Napa Valley - Napa County No Scale indicated	
Sacramento Valley Mapping Scale 1 62,500	
Coastal Area, Torrance - Santa Monica Mapping Scale 1:24,000	
Coastal Area, Orange County Mapping Scale 1:31,680	

**CURRENT INVESTIGATIONS INVOLVING GEOLOGIC MAPPING,  
WATER RESOURCES DIVISION, GROUND WATER BRANCH (Continued)**

<u>Project</u>	<u>Project Chief</u>
<b>CALIFORNIA</b>	
San Rosa and Petalumn Valley Mapping Scale 1:31,600 Pub. Scale 1:62,500	J. F. Poland
Inyokern, Edwards and Twenty-Nine Palms Mapping Scale 1:50,000	G. F. Worts, Jr.
Camp Pendelton - San Diego County Scale 1:24,000	
San Bernadino Basin, San Bernadino County Scale 1:31,680	A. A. Garrett
Foothill and Valley - flow area of Solano and Southern Yolo Counties Mapping Scale 1:24,000	H. G. Thomasson
<b>COLORADO</b>	
Baca County, eastern Huerfano County, South Platte Valley, Grand Junction Area Mapping Scale - All over 2-inch = 1-mile, Pub. Scale 1-inch = 1-mile	T. G. McLaughlin
<b>CONNECTICUT</b>	
Hartford, Holland and Middlesex Counties	R. V. Cushman
<b>FLORIDA</b>	
Parts of Highlands, Lee, Gladea and Hendry Cos.	N. D. Hoy
<b>GEORGIA</b>	
Coastal Plain Area (Subsurface) Scale 1-inch = 10-miles	S. M. Herrick
Sumner, Dooly, Pulaski, Lee, Crisp and Wilcox Counties Scale 1-inch = 2-miles	G. H. Chase
<b>HAWAII</b>	
Island of Kawai Scale 1:62,500	Dan A. Davis
<b>IDAHO</b>	
Parts of Jefferson, Booneville, Bingham, Butte Counties (Lost and Little Lost River Area) Scale 1:12,000	R. L. Nace
<b>INDIANA</b>	
Tippecanoe, Vermillion, Parke, Montgomery, Putman, Vigo, Clay, Owen, Sullivan, Greene, Adams, Wayne, Fayette, Union, Franklin, Ripley, Ohio, Jefferson, Switzerland, Dearborn Counties No Scale indicated	Claude M. Roberts
<b>IOWA</b>	
Appanoose, Dallas, Guthrie, Lucas, Madison, Marion, Monroe, Polk, Story and Warren Counties. Pub. Scale 1:125,000	
Subsurface geologic mapping on a state-wide basis, current work in several different areas	H. Hershey
<b>KANSAS</b>	
Gove, Jewell, Pratt, Rawlins, Reno Counties Mapping Scale 1-inch = 1-mile. Pub. Scale 1-inch = 2-miles	
Douglas, Elk, Osage Counties Mapping Scale 2 1/2 -inch = 1-mile. Pub. Scale 1-inch = 1-mile	V. C. Fisher
<b>KENTUCKY</b>	
Parts of Allen, Campbell, Floyd, Grove, Johnston, Kenton and McCracken Cos. Mapping Scale 1:16,000 Pub. Scale 1:24,000	
Part of Henderson County Mapping Scale 1:16,000 Pub. Scale 1-inch = 1-mile	M. I. Rorabaugh

CURRENT INVESTIGATIONS INVOLVING GEOLOGIC MAPPING,  
WATER RESOURCES DIVISION, GROUND WATER BRANCH (Continued)

<u>Project</u>	<u>Project Chief</u>
<b>LOUISIANA</b>	
Areas bordering the Calcasieu and Vermilion Rivers, and Boyou Cocodrie Mapping Scale 1 or 2-inches = 1-mile	R. R. Myers
<b>MARYLAND</b>	
Charles, Calvert, Montgomery, Anne Arundel, parts of Howard, Baltimore and Hartford (all coastal plains)	R. R. Bennett
Caroline, Dorchester, Kent, Somerset, Talbot, Wicomico and Worchester Cos. Mapping Scale 1'62,500 and 1'31,680	W. C. Rasmussen
<b>MICHIGAN</b>	
Small areas in Houghton and Marquette Counties Scale 5-inches = 4-miles	W. T. Stuart
Bay, Midland, Gratiot, Saginaw, Genesee, and Oakland Counties, Parts of Shiawassee and Tuscola Counties Scale 1-inch = 6-miles	John G. Ferris
<b>MINNESOTA</b>	
Small area in Redwood County Mapping Scale 1 20,000	R. Schneider
<b>MONTANA</b>	
Lower Marias Valley, Liberty, Hill, Chouteau Cos. Airphoto Scale 4-inches = 1-mile	
Lewis and Clark, Jefferson Counties Airphotos 1-inch = 4000 ft. Pub. Scale 2-inches = 1-mile	
Helena, Townsend, and Gallatin Valleys Scale 1-inch = 4,000 ft.	
Dillon Valley, Crow Agency area, (Yellowstone R ) Scale 1-inch = 1-mile	
Buffalo Rapids (Yellowstone R ) Scale 1-inch = 400 ft	
Lower Yellowstone (Glendive - Sidney) Airphoto 2-inches = 1-mile	E. A. Swenson
<b>NEBRASKA</b>	
Dutch Flats area Mapping Scale 1-inch = 2-miles	
Lodgeporte Creek Mapping Scale 1-inch = 1-mile	
Pumpkin Creek area Mapping Scale 1-inch = 1-mile	H. M. Babcock
<b>NEVADA</b>	
Buena Vista Valley, Cresent Valley, Spring Valley, Dixie Valley, Antelope Valley, Warm Springs Valley, Truckee Meadows areas Scale not indicated	O. J. Loeltz
<b>NEW JERSEY</b>	
Newark Area Scale not indicated	
Subsurface of Coastal Plains Scale 1-inch = 8-miles	
Bedrock contours - Greater Philadelphia and parts of Burlington, Camden and Gloucester Counties Scale 2-inches = 1-mile	
Salem County (Subsurface) Scale 1-inch = 1-mile	H. C. Barksdale
<b>NEW MEXICO</b>	
Sante Fe County Scale 1:63360	

CURRENT INVESTIGATIONS INVOLVING GEOLOGIC MAPPING,  
WATER RESOURCES DIVISION, GROUND WATER BRANCH (Continued)

<u>Project</u>	<u>Project Chief</u>
<b>NEW MEXICO</b>	
Los Alamos area Scale 1:63,360	
Pueblo Laguna Indian Res. (Velencia Co.) Scale 1:126,780	
Part of Tarrant County Scale 1:63,360	
Boswell Basin Scale - - - - -	
El Paso area - parts of El Pasco Co. Texas, and Dona Ana and Otero Counties Scale not indicated	C. S. Conover
<b>NEW YORK</b>	
Dutchess - Putnam - Bronx, Westchester - Nassau Counties Mapping Scale 1:62,500 Pub. Scale 1:125,000	
Rockland, Delaware Counties Scale not indicated	J. E. Upson
<b>NORTH CAROLINA</b>	
Alexander, Catawa, Davie, Iredell, Rowan, Davidson Counties Scale 1-inch = 2-miles	H. E. LeGrand
<b>NORTH DAKOTA</b>	
Oakes, Buxton, Aneta, Wimbledon, Zeeland Streeter, Minnewaukan, Michigan, Lakota, Devils Lake, Rolla - St. John - Mylo, Stanley Mapping Scale 1:20,000	P. D. Akin
Sargent County Scale 1-inch = 1-mile	G. A. LaRocque
<b>OHIO</b>	
Lucas, Licking, Fairfield, Trumbull, Portage, Ross, Columbiana Counties	E. S. Schaefer
<b>OKLAHOMA</b>	
Beaver, Beckham, Cleveland, Grady, McCurtain Counties Mapping Scale 3.2 inches = 1-mile Pub. Scale 1-inch = 1-mile	
Parts of Alfalfa, Major, Garfield and Kingfisher Counties Mapping Scale 1-inch = 1-mile	Stuart L. Schoff
<b>OREGON</b>	
Lake County and Walla Walla area Scale 1:125,000	
Yonka - Swan Lake Valleys, Rogue River Valley, Tualatin Valley Scale 1:62,500	R. C. Newcomb
<b>PENNSYLVANIA</b>	
Lawrence County Scale 1:62,500	Paul H. Jones
<b>SOUTH CAROLINA</b>	
Aiken, and Edgefield Counties Mapping Scale 1-inch = 1-mile	
Marlboro and Chesterfield Counties Mapping Scale 1-inch = 1-mile Pub. Scale 1/2-inch = 1-mile	George E. Siple
<b>SOUTH DAKOTA</b>	
Oahe unit - James R. Valley, James R. Basin, Brown and Marshall Counties Scale not indicated	G. A. LaRocque
<b>TENNESSEE</b>	
Mississippi Basin Tertiary and Cretaceous outcrop areas, also Summer, Macon,	

**CURRENT INVESTIGATIONS INVOLVING GEOLOGIC MAPPING,  
WATER RESOURCES DIVISION, GROUND WATER BRANCH (Continued)**

ProjectProject Chief**TENNESSEE**

Jackson, Smith, Wilson, Davidson, Williamson, Rutherford, DeKalb, Cannon,  
Maury, Marshall, Bedford, Giles, Lincoln, Anderson, and Bradley Counties.  
Mapping Scales - contour maps when available 1:2400 and 1:62,500,  
otherwise aerial photographs 1:2000

E. M. Cushing

**TEXAS**

Galveston, Harris, Bandera, Bexar, Medina, and Zavala counties,  
Wilbarger, Comal Counties.

Mapping Scale 1-inch = 1-mile

High Plains of Texas - Cross sections extending through Sherman, Randall, Moore,  
Potter, Swisher, Hale, Lubbock, Lynn and North Dawson counties.

No Scale indicated

Geologic cross-sections showing subsurface geology in Ector, Dumit, Lamb, Lynn,  
western Maverick counties.

Mapping Scale 1-inch = 1-mile

Kinney County - surface geology

No Scale indicated.

El Paso area - Parts of El Paso County Texas, and Donna Ana and Otero County New Mexico

No Scale indicated

W. L. Broadhurst

**UTAH**

Southern Juab Valley, Milford District and Ogden Valley

Scale 2-inches = 1-mile

See Navajo Reservation Project, Arizona

H. A. Waite

**VIRGINIA**

Coastal Plain Counties North of James River

A. Sinnott

**WASHINGTON**

Part of King County east of Lake Washington, Part of Lewis County  
Ahtanum Valley (Yakima County)

Scale 1 20,000

Kitsap and Clark Counties

Tacoma area (Pierce County)

Spokane Valley (Spokane County)

Scale 1:62,500

Yelm area (Thurston and Pierce Counties)

Scale 1:34,600

M. S. Mundorff

**WISCONSIN**

Portage County

Scale 1-inch = 1-mile

A H Harder

**WYOMING**

Cheyenne area - Scale 1-inch = 2-miles

Egbert Pine Bluffs - Carpenter area

Mapping Scale 1-inch = 1-mile

Gillette, Glendo - Wendover, Horse Creek, La Prele, Laramic Plains, Pass  
Creek Flats, Wheatland Flat, New Castle areas

Mapping Scale All over 1-inch = 1-mile

Goshen, Platte counties

Mapping Scale 1-inch = 1-mile

Kayce and Ranchester areas

Highway Planning map base

Barthel area (Soil Moisture demonstration study)

Mapping Scale 1-inch = 400 ft.

North Platte irrigation project - Goshen county

Mapping Scale 1-inch = 1-mile

Paintrock Project, Bighorn county

Mapping Scale 1-inch = 1-mile

Heart Mountain Unit, Park Co. Mapping Scale 2-inches = 1-mile

Riverton Project, Fremont county. Mapping Scale 2-inches = 1-mile

H. M. Babcock

F. A. Swenson

TABLE 3

## TABULATION OF STATE GEOLOGISTS BY STATES

## State Geologist and Address

Alabama	Dr. Walter B. Jones, State Geologist, Geological Survey of Alabama, University
Arizona	Dr. T. G. Chapman, Director, Arizona Bureau of Mines, University of Arizona, Tucson
Arkansas	Mr. Norman F. Williams, Director, Division of Geology, Arkansas Resources and Development Commission, State Capitol, Little Rock
California	Dr. Olaf P. Jenkins, Chief, Division of Mines, Department of Natural Resources, Ferry Building, San Francisco 11
Colorado	Mr. Walter E. Scott, Jr., Vice Chairman, Geological Survey Board, State Museum Building, Denver
Connecticut	Dr. Edward L. Troxell, Director, Connecticut Geological and Natural History Survey, Trinity College, Hartford 6
Florida	Dr. Herman Gunter, Director, Florida Geological Survey, P.O. Drawer 631, Tallahassee
Georgia	Capt. Garland Peyton, Director, Department of Mines, Mining and Geology, State Division of Conservation, 425 State Capitol, Atlanta
Idaho	Mr. A. W. Fahrenwald, Director, Idaho Bureau of Mines and Geology, University of Idaho, Moscow
Illinois	Dr. M. M. Leighton, Chief, State Geological Survey Division, 121 Natural Resources Building, University of Illinois Campus, Urbana
Indiana	Dr. Charles F. Deiss, State Geologist, State Indiana Department of Conservation, Indiana Geological Survey, Bloomington
Iowa	Dr. H. Garland Hershey, Director and State Geologist, Iowa Geological Survey, Iowa City
Kansas	Dr. John C. Frye, Executive Director, State Geological Survey, The University of Kansas, Lawrence Dr. Raymond C. Moore, State Geologist and Director of Research, State Geological Survey, The University of Kansas, Lawrence
Kentucky	Mr. Daniel J. Jones, State Geologist, Department of Geology, Kentucky Geological Survey, University of Kentucky, Lexington
Louisiana	Mr. Leo W. Hough, State Geologist, Louisiana Geological Survey, Department of Conservation, P.O. Box 8847, University Station, Baton Rouge 3
Maine	Dr. Joseph M. Trefethen, State Geologist, Maine Geological Survey, University of Maine, Orono
Maryland	Dr. Joseph T. Singewald, Jr., Director, Department of Geology, Mines and Water Resources, Johns Hopkins University, Baltimore 18
Michigan	Mr. William L. Daoust, Acting State Geologist, Geological Survey Division, State Department of Conservation, Lansing 13
Minnesota	Dr. G. M. Schwartz, Director, Minnesota Geological Survey, University of Minnesota, Minneapolis 14
Mississippi	Dr. W. C. Morse, Director, Mississippi Geological Survey, University
Missouri	Dr. Edward L. Clark, Director and State Geologist, Division of Geological Survey and Water Resources, Buehler Building, Rolla
Nebraska	Dr. G. E. Condra, Director and State Geologist, Conservation and Survey Division, The University of Nebraska, Lincoln 8
Montana	Dr. J. R. Van Pelt, Director, State Bureau of Mines and Geology, Butte
Nevada	Mr. Vernon E. Scheid, Director, Nevada Bureau of Mines, University of Nevada, Reno
New Hampshire	Mr. T. R. Meyers, Geologist, New Hampshire State Planning and Development Commission, Mineral Resources Committee, Durham
New Jersey	Mr. Meredith E. Johnson, State Geologist, Geologic and Topographic Survey, Department of Conservation and Economic Development, Room 415 State House Annex, Trenton 7
New Mexico	Dr. Eugene Callaghan, Director, New Mexico Bureau of Mines and Mineral Resources, Socorro

## TABULATION OF STATE GEOLOGISTS BY STATES (Continued)

## State Geologist and Address

New York	Dr. John G. Broughton, State Geologist, State Geological and Natural History Surveys, State Education Building, University of the State of New York, Albany 1
North Carolina	Dr. Jasper L. Stuckey, State Geologist, Division of Mineral Resources, Department of Conservation and Development, P. O. Box 2719, Raleigh
North Dakota	Dr. Wilson M. Laird, State Geologist, North Dakota Geological Survey, University of North Dakota, Grand Forks
Ohio	Mr. John H. Melvin, State Geologist, Geological Survey of Ohio, Orton Hall, Ohio State University, Columbus 10
Oklahoma	Mr. W. E. Ham, Acting Director, Oklahoma Geological Survey, Norman
Oregon	Mr. F. W. Libbey, Director, State Department of Geology and Mineral Industries, 1069 State Office Building, Portland 5
Pennsylvania	Mr. S. H. Cathcart, Director, Bureau of Topographic and Geologic Survey, Department of Internal Affairs, Harrisburg
Rhode Island	Dr. Alonzo W. Quinn, Chairman, Mineral Resources Committee, Rhode Island Port and Industrial Development Commission, Providence 3
South Carolina	Dr. Lawrence L. Smith, State Geologist, Department of Geology, Mineralogy and Geography, University of South Carolina, Columbia
South Dakota	Dr. E. P. Rothrock, State Geologist, Director, State Geological Survey, State University, Lock Drawer 351, Vermilion
Tennessee	Mr. W. D. Hardeman, State Geologist, Division of Geology, Department of Conservation, State Office Building, Nashville 3
Texas	Dr. John T. Lonsdale, Director, Bureau of Economic Geology, The University of Texas, University Station, Box B, Austin 12
Utah	Mr. Arthur L. Crawford, Director, Utah Geological and Mineralogical Survey, College of Mines and Mineral Industries, University of Utah, Salt Lake City 2
Vermont	Mr. Charles G. Doll, State Geologist, State of Vermont Development Commission, East Hall, University of Vermont, Burlington
Virginia	Mr. William M. McGill, State Geologist, Virginia Geological Survey, Box 1428, University Station, Charlottesville
Washington	Mr. Sheldon L. Glover, Supervisor, Division of Mines and Geology, Department of Conservation and Development, Room 404, Transportation Building, Olympia
West Virginia	Dr. Paul H. Price, State Geologist, West Virginia Geological and Economic Survey, P. O. Box 879, Morgantown
Wisconsin	Mr. E. F. Bean, State Geologist, Geological and Natural History Survey, Science Hall, The University of Wisconsin, Madison
Wyoming	Dr. H. D. Thomas, State Geologist, The Geological Survey of Wyoming, University of Wyoming, Laramie

TABLE 4

## SOIL CORRELATORS - DIVISION OF SOIL SURVEY

J. Kenneth Ableiter, Chief Soil Correlator, Bureau of Plant Industry USDA, Beltsville, Maryland

Northern States - Connecticut, Illinois, Indiana, Iowa, Maine, Maryland, Massachusetts, Michigan, Minnesota, Missouri (north of Missouri River), Mississippi, New Hampshire, New Jersey, New York, Ohio, Pennsylvania, Rhode Island, Vermont, West Virginia and Wisconsin

Guy D. Smith, Principal Soil Correlator, Northern States, USDA Bureau of Plant Industry, Beltsville, Maryland

O. C. Rogers, Senior Soil Correlator, East Midwestern States, USDA Bureau of Plant Industry, Beltsville, Maryland

Iver J. Nygard, Senior Soil Correlator, Northern Lake States, Div. of Soils, Agricultural Experiment Station, University Farm, St. Paul 1, Minnesota

A. J. Cline, Soil Correlator, West-Midwestern States, Room 117 Agronomy Department, Iowa State College, Ames, Iowa

M. G. Cline, Agent (correlation) New York, Department of Agronomy, Cornell University, Ithaca, New York

W. H. Lyford, Senior Soil Correlator, Northeastern States, Department of Agronomy, College of Agriculture, Durham, New Hampshire

Southern States - Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Missouri (south of Missouri River), Mississippi, North Carolina, South Carolina, Tennessee and Virginia

W. S. Ligon, Principal Soil Correlator, Southern States, 508 New Sprinkle Building, c/o TVA Knoxville, Tennessee

I. L. Martin, Senior Soil Correlator, (same address as listed above)

M. J. Edwards, Senior Soil Correlator, (same address as listed above)

A. H. Hasty, Soil Correlator, (same address as listed above)

Great Plains States - Colorado (east of Continental Divide), Kansas, Montana, Nebraska, North Dakota, Oklahoma, South Dakota, Texas and Wyoming

W. M. Johnson, Principal Soil Correlator, Great Plains States, 204 Nebraska Hall, University of Nebraska, Lincoln 8, Nebraska

B. H. Williams, Senior Soil Correlator, Northern Great Plain States, (same address as listed above)

C. A. Mogen, Soil Correlator, Northern Great Plains States, (same address as listed above)

E. H. Templin, Senior Soil Correlator, Southern Great Plains States, Texas Agricultural Experiment Station, College Station, Texas

Harvey Oakes, Soil Correlator, Southern Great Plains States, (same address as listed above)

Far Western States - Arizona, California, Colorado (west of Continental Divide), Idaho, Nevada, New Mexico, Oregon, Utah and Washington

R. C. Roberts, Principal Soil Correlator, Far Western States, 322 Woolsey Building, 2168 Shattuck Avenue, Berkeley 4, California

R. A. Gardner, Senior Soil Correlator, Central Far Western States, (same address as listed above)

TABLE 5

## SOIL SURVEYS PUBLISHED SINCE HIGHWAY RESEARCH BOARD BULLETIN 46 WAS ISSUED IN 1951

California	Los Banos Area
Maine	York County
North Carolina	Cherokee County
	Mitchell County
	Yancey County
North Dakota	Morton County
Oklahoma	Okfuskee County
Virginia	Scott County



TABLE 6

SOIL SURVEYS IN PROGRESS IN PRESENT FISCAL YEAR (1953) OR FIELD WORK COMPLETED  
SINCE BULLETIN 46 WAS ISSUED

<u>State</u>	<u>County or Soil Area</u>	<u>Party Chief</u>	<u>Soil Correlator*</u>
Alabama	DeKalb County <sup>2</sup>		M. J. Edwards
	Marshall County <sup>4</sup>		
Arizona	Yuma area <sup>6</sup>		W. G. Harper
California	Eastern Fresno County <sup>1</sup>	G. L. Huntington <sup>8</sup>	R. A. Gardner
	Eastern Stanislaus County <sup>1</sup>	R. J. Arkley <sup>8</sup>	R. A. Gardner
	Glenn County <sup>1</sup>	E. L. Begg <sup>8</sup>	R. A. Gardner
	Tehama County <sup>1</sup>	K. D. Gowans <sup>8</sup>	R. A. Gardner
Connecticut	Hartford County <sup>1</sup>	A. E. Shearin	W. H. Lyford <sup>b</sup>
Florida	Escambia County <sup>1</sup>	J. H. Walker <sup>8</sup>	I. L. Martin
	Central and Southern Flood Control District (Kissimmee and Upper St. Johns Valleys, all of Oscola and Indian River Counties and parts of Highland, Okeechobee, St. Lucie, Polk, Brevard, Orange, Volusia, Martin, Palm Beach, and Seminole Counties) <sup>2, 3</sup>	Orange County <sup>1</sup>	R. G. Leighty <sup>b</sup>
	Sarasota County <sup>1</sup>	R. Wildermuth	I. L. Martin A. H. Hasty I. L. Martin A. H. Hasty
Idaho	Canyon County <sup>1</sup>	M. A. Fosberg <sup>8</sup>	W. J. Leighty
Illinois	Lawrence County <sup>2</sup>		A. J. Cline
	McHenry County <sup>1</sup>	B. W. Ray <sup>8</sup>	
	Will County <sup>2</sup>		
	Williamson County <sup>1</sup>	J. B. Fehrenbacher <sup>8</sup>	
Iowa	Jefferson County <sup>1</sup>	Geo. M. Schafer	A. J. Cline
	Monona County <sup>2</sup>		A. J. Cline A. J. Cline
	Polk County <sup>1</sup>	J. W. McCracken <sup>b</sup>	
	Shelby County <sup>1</sup>	Everett White <sup>8</sup>	
Kansas	Brown County <sup>1</sup>	O. W. Bidwell <sup>8</sup>	W. M. Johnson
	Kaw Division, Kansas River Valley <sup>1</sup>	C. H. Atkinson <sup>b</sup>	W. M. Johnson
	Republic County <sup>4</sup> (All of Scandia Unit)		
Louisiana	Bossier Parish <sup>1</sup>	S. A. Lytle <sup>b</sup>	I. L. Martin
	St. Mary Parish <sup>2</sup>		A. H. Hasty
	Terrebonne Parish <sup>1</sup>	S. A. Lytle <sup>b</sup>	I. L. Martin A. H. Hasty
Michigan	Arenac County <sup>1</sup>	Wm. H. Colburn <sup>8</sup>	I. J. Nygard
	Ionia County <sup>1</sup>	S. D. Alfred	O. C. Rogers
	Keweenaw County <sup>2</sup>		O. C. Rogers
	Sanilac County <sup>1</sup>	I. F. Schneider <sup>8</sup>	
Minnesota	Crow Wing County <sup>1</sup>	H. F. Arneman <sup>8</sup>	I. J. Nygard
	Isanti County <sup>1</sup>	R. H. Farnham <sup>b</sup>	I. J. Nygard
Mississippi	Bolivar County <sup>2</sup>		I. L. Martin A. H. Hasty I. L. Martin A. H. Hasty I. L. Martin A. H. Hasty I. L. Martin A. H. Hasty
	DeSoto County <sup>1</sup>	E. J. McNutt <sup>8</sup>	
	Humphreys County <sup>1</sup>	J. C. Powell <sup>8</sup>	
	Leflore County <sup>1</sup>	W. E. Keenan <sup>8</sup>	
	Newton County <sup>1</sup>	L. C. Murphree	
	Sunflower County <sup>2</sup>		
Washington County <sup>1</sup>	G. E. Rogers <sup>8</sup>	I. L. Martin A. H. Hasty	
Missouri	Moniteau County <sup>2</sup>	J. A. Frieze	I. L. Martin
Montana	Bitterroot Valley area <sup>2</sup> Roosevelt County (Part of Missouri-Souris Irrigation Project) <sup>4</sup>		B. H. Williams

**SOIL SURVEYS IN PROGRESS IN PRESENT FISCAL YEAR (1953) OR FIELD WORK COMPLETED  
SINCE BULLETIN 46 WAS ISSUED (Continued)**

<u>State</u>	<u>County or Soil Area</u>	<u>Party Chief</u>	<u>Soil Correlator</u>
Montana (cont.)	Yellowstone County <sup>1</sup>	W. C. Bourne <sup>b</sup>	B. H. Williams
Nebraska	Buffalo County (Part of Wood River Irrigation Project) <sup>2</sup>		
	Gage County <sup>1</sup>	T. E. Beesley	B. H. Williams
	Hall County (Part of Wood River Irrigation Project) <sup>1</sup>	D. A. Yost	B. H. Williams
	Saunders County <sup>2</sup>		
New Hampshire	Rockingham County <sup>4</sup>		W. H. Lyford <sup>b</sup>
New York	Franklin County <sup>1</sup>	F. J. Carlisle <sup>b</sup>	W. H. Lyford <sup>b</sup>
	Lewis County <sup>1</sup>	C. S. Pearson <sup>s</sup>	M. G. Cline <sup>b</sup>
North Carolina	Duplin County <sup>1</sup>	E. F. Goldston <sup>s</sup>	G. H. Robinson
North Dakota	Lake Souris area (McHenry and Bottineau Counties) <sup>4</sup>		C. A. Mogen
	New Rockford area <sup>1</sup>	J. E. McClelland <sup>b</sup>	C. A. Mogen
	Oakes Area <sup>2</sup>		
	Renville County (Part of Missouri-Souris Project) <sup>1</sup>		C. A. Mogen
Ohio	Fairfield County <sup>2</sup>		
	Ross County <sup>1</sup>	J. H. Petro <sup>b</sup>	O. C. Rogers
Oklahoma	Pawnee County <sup>2</sup>		
	Wagoner County <sup>5</sup>	H. M. Galloway <sup>b</sup>	E. H. Templin
Oregon	Prineville area <sup>1</sup>	Geo. K. Smith	W. J. Leighty
Pennsylvania	Potter County <sup>1</sup>	K. V. Goodman	W. H. Lyford <sup>b</sup>
South Dakota	Brookings County <sup>1</sup>	A. J. Klingelhoets <sup>b</sup>	C. A. Mogen
	Hand County (Part of Missouri-Oahe Project) <sup>1</sup>	A. J. Klingelhoets <sup>b</sup>	C. A. Mogen
	Spink County (Part of Missouri-Oahe Project) <sup>1</sup>	F. C. Westin <sup>s</sup>	C. A. Mogen
Tennessee	Blount County <sup>1</sup>	Joe A. Elder <sup>s</sup>	M. J. Edwards G. H. Robinson
	Coffee County <sup>1</sup>	I. B. Epley <sup>s</sup>	M. J. Edwards G. H. Robinson
	Henderson County <sup>1</sup>	R. L. Flowers <sup>s</sup>	M. J. Edwards G. H. Robinson
	Lawrence County <sup>2</sup>		
	Maury County <sup>2</sup>		
Texas	Fort Bend County <sup>1</sup>	Gordon McKee <sup>s</sup>	E. H. Templin
	Lynn County <sup>1</sup>	I. C. Mowery <sup>b</sup>	E. H. Templin
Utah	Beryl-Enterprise area (Part of Iron County) <sup>2</sup>		
	Davis County <sup>1</sup>	Vern K. Hugie	W. G. Harper
	Weber area (Parts of Weber, Davis, Morgan, Summit, and Boxelder Counties) <sup>2</sup>		
Virginia	Norfolk County <sup>1</sup>	E. F. Henry <sup>s</sup>	W. S. Ligon G. H. Robinson
	Nottoway County <sup>1</sup>	C. S. Coleman	G. H. Robinson
Washington	Walla Walla County <sup>1</sup>	A. O. Ness	W. J. Leighty
Wisconsin	Dodge County <sup>1</sup>	G. B. Lee <sup>b</sup>	I. J. Nygard
Wyoming	Goshen County <sup>1</sup>	C. J. Fox	E. M. Johnson

<sup>1</sup> Soil Survey assignments for summer of 1952

<sup>2</sup> Soil Survey areas with field work completed since Bulletin 46 was issued

<sup>3</sup> Reconnaissance or Reconnaissance-detailed survey

<sup>4</sup> Temporarily suspended, no personnel assigned

<sup>5</sup> Personnel to be assigned October 1

<sup>6</sup> Discontinued for summer 1952

\* See table for address of Soil Correlator

b State and Bureau

s State

TABLE 7

TABULATION OF REGIONAL SOIL SCIENTISTS BY STATES AND REGIONS<sup>1</sup>

<u>Region</u>	<u>States Within Region</u>
1. Northeastern Region H. R. Adams 6816 Market Street Upper Darby, Pa.	Maine, New Hampshire, Vermont, Massachusetts, Connecticut, Rhode Island New York, Pennsylvania, New Jersey, Maryland, Delaware, West Virginia
2. Southeastern Region G. L. Fuller P. O. Box 612 Spartanburg, S. C.	Virginia, North Carolina, South Carolina, Georgia, Florida, Alabama, Mississippi, Tennessee, Kentucky, Puerto Rico
3. Upper Mississippi Region A. H. Paschall 434 N. Plankinton Ave. Milwaukee 3, Wisconsin	Ohio, Indiana, Illinois, Missouri Iowa, Minnesota Wisconsin, Michigan
4. Western Gulf Region R. M. Marshall P. O. Box 1898 Fort Worth 1, Texas	Texas Oklahoma Arkansas Louisiana
5. Northern Great Plains Region R. O. Lewis P. O. Box 713 Lincoln 1, Nebraska	Montana, Wyoming, North Dakota, South Dakota, Nebraska, Kansas
6. Southwestern Region M. R. Isaacson P. O. Box 1348 Albuquerque, N. Mex	Arizona New Mexico Colorado Utah
7. Pacific Region S. W. Cosby 209 S. W. Fifth Street Portland 4, Oregon	Washington, Oregon, Idaho, Nevada, California, Alaska, Hawaii

<sup>1</sup> As of March 1952.

TABLE 8

TABULATION OF SOIL CONSERVATIONIST AND SOIL SCIENTIST BY STATES<sup>1</sup>

<u>State Conservationist</u>	<u>SCS State Office</u>	<u>State Soil Scientist</u>	<u>Headquarters</u>
<b>ALABAMA</b>			
Olin C Medlock	New Ext. Service Annex, Ala Polytechnic Inst., Auburn	Miles E. Stephens	P.O. Box 311, Auburn
<b>ARIZONA</b>			
Julian J. Turner	Goodrich Bldg., 14 North Central Ave., Phoenix	Roger D. Headley	202 Agriculture Bldg., Univ. of Arizona, Tucson
<b>ARKANSAS</b>			
Hollis R. Williams	New P.O. Bldg., and Fed Court House Building Little Rock	Marvin Lawson	P. O. Box 521 Fayetteville
<b>CALIFORNIA</b>			
John S Barnes	Post Office Building Berkeley	Leonard R Wohletz	P.O. Box 369, Berkeley
<b>COLORADO</b>			
Kenneth W. Chalmere	950 Broadway, Agri. Bldg., Denver	E. Milton Payne	202 Agronomy Bldg., Colo Agr. Exp. Sta., Fort Collins
<b>CONNECTICUT</b>			
N Paul Tedrow	500 Capitol Ave. Hartford	G. A. Quakenbush	126 Lipman Hall, College of Agri., New Brunswick
<b>DELAWARE</b>			
Richard S. Snyder	501 Academy St. Newark	M. F. Hershberger	Md. Agr. Exp. Sta., College Park
<b>FLORIDA</b>			
Colin D Gunn	Gilbert Hotel Bldg. 35 N Main St. Gainesville	O C. Lewis	P.O. Box 162, Gainesville
<b>GEORGIA</b>			
J. G. Liddell	Old Post Office Bldg., Athens	Frank T. Ritchie, Jr.	P.O. Box 832, Athens
<b>IDAHO</b>			
Robert N. Irving	Yates Bldg, 9th and Main Sts, Boise	C. F. Parrott	445 Yates Building, Boise
<b>ILLINOIS</b>			
Bruce B. Clark	Nogle Bldg, 605 S. Neil St., Champaign	Lundo J. Bartelli	206 Davenport Hall, Univ. of Illinois, Urbana
<b>INDIANA</b>			
Kenneth Welton	Lafayette Loan & Trust Bldg. 4th & Main Sts., Lafayette	T. C. Bass	133 N. Fourth Street, Lafayette
<b>IOWA</b>			
Frank H. Mendell	Iowa Bldg., 505 6th. Ave. De Moines	Byron A. Barnes	Rm. 2, Landscape Architecture Bldg., Iowa State Coll., Ames
<b>KANSAS</b>			
Fred J. Sykes	Public Utility Bldg., 116- <sup>1</sup> / <sub>2</sub> W. Iron St., Salina	Claude L. Fly	Agronomy Dept. Kansas State College, Manhattan

## TABULATION OF SOIL CONSERVATIONIST AND SOIL SCIENTIST BY STATES (Continued)

<u>State Conservationist</u>	<u>SCS State Office</u>	<u>State Soil Scientist</u>	<u>Headquarters</u>
<b>KENTUCKY</b>			
Hubbard K. Gayle	231 W. Maxwell St. Lexington	W. W. Carpenter	231 W. Maxwell St., Lexington
<b>LOUISIANA</b>			
Harold B. Martin	Svebeck Bldg., 6th & Winn Sts., Alexandria	D. L. Fontenot	P.O. Box 1630, Alexandria
<b>MAINE</b>			
William B. Oliver	Maples Hall, Univ. of Maine, Orono	J. Stewart Hardesty	Maples Hall, Univ. of Maine, Orono
<b>MARYLAND</b>			
Edward M. Davis	Agric. Bldg., Univ. of Md., College Park	M. F. Hershberger	Agronomy Dept. U. of Md. College Park
<b>MASSACHUSETTS</b>			
Arthur B. Beaumont	Stockbridge Hall, State College, Amherst	Montague Howard, Jr.	Agr. Science Bldg., Univ. of Vermont, Burlington
<b>MICHIGAN</b>			
Everett C. Sackrider	Agricultural Bldg., State College, East Lansing	C. A. Engberg	Room 410 Agriculture Bldg., East Lansing
<b>MINNESOTA</b>			
Herbert A. Flueck	Federal Courts Bldg., 6th & Market Sts., St. Paul	Alex S. Robertson	517 Fed. Court Building St. Paul 4
<b>MISSISSIPPI</b>			
Charles B. Anders	Masonic Temple Bldg., 1130 W. Capitol St., Jackson	D. T. Webb	P.O. Box 610, Jackson 5
<b>MISSOURI</b>			
Kenyon G. Harman	Post Office Bldg., 6th & Cherry Sts., Columbia	Harold E. Grogger	Federal Building, Columbia
<b>MONTANA</b>			
Truman C. Anderson	Gallatin Block Building Bozeman	Dave R. Cawfield	Montana State College, Bozeman
<b>NEBRASKA</b>			
Emrys G. Jones	Rudge & Guenzel Bldg., 13th & N Sts., Lincoln	Lloyd E. Mitchell	Nebraska Hall, Univ. of Nebr., Lincoln 1
<b>NEVADA</b>			
George Hardman	Rm 210 Western Bldg., 818 S. Va. St., Reno	E. A. Naphan	Morrill Hall, Univ. of Nevada, Reno
<b>NEW HAMPSHIRE</b>			
Allan J. Collins	29 Main Street, Durham	J. Stewart Hardesty	The Maples Bldg., Univ. of Maine, Orono, Maine
<b>NEW JERSEY</b>			
Linwood L. Lee	Post Office Bldg., 86 Bayard St., New Brunswick	G. A. Quakenbush	126 Lipman Hall, College of Agri., New Brunswick

## TABULATION OF SOIL CONSERVATIONIST AND SOIL SCIENTIST BY STATES (Continued)

<u>State Conservationist</u>	<u>SCS State Office</u>	<u>State Soil Scientist</u>	<u>Headquarters</u>
<b>NEW MEXICO</b>			
Robert A. Young	Office Sq. Bldg., 1222 N. 4th St., Albuquerque	H. J. Maker	New Mexico A & M College, P. O. Box 127, State College
<b>NEW YORK</b>			
Irving B. Stafford	236-240 W. Genesee St. Syracuse	Arnold J. Baur	Caldwell Hall, Cornell Univ., Ithaca
<b>NORTH CAROLINA</b>			
Earl B. Garrett	State Office Bldg., N. C. College, Agri., & Engr., Raleigh	W. W. Stevens	P. O. Box 5126, Raleigh
<b>NORTH DAKOTA</b>			
Lyness G. Lloyd	P. O. Bldg., Broadway & 3rd Sts., Bismarck	Lloyd Shoesmith	State College, Fargo
<b>OHIO</b>			
Thomas C. Kennard	Old Fed. Bldg., 3rd & State Sts., Columbus	H. H. Morse	Room 222 Old Federal Bldg., Columbus 15
<b>OKLAHOMA</b>			
Harry M. Chambers	2800 S. Eastern Ave. Oklahoma City	Louis E. Derr	Agronomy Dept., Okla. A. & M. College, Stillwater
<b>OREGON</b>			
Samuel L. Sloan	515 S. W. 10th Ave. Portland	William W. Hill	515 S. W. 10th, Portland
<b>PENNSYLVANIA</b>			
Ivan McKeever	Dauphin Bldg., 203 Market St., Harrisburg	F. G. Loughry	Agriculture Bldg., Penna. State College, State College
<b>RHODE ISLAND</b>			
N Paul Tedro	Rhode Island combined with Connecticut	Montague Howard, Jr.	Hills Agricultural Science Bldg. Univ. of Vt., Burlington
<b>SOUTH CAROLINA</b>			
Ernest Carnes	Fed. Land Bank Bldg., 1401 Hampton St., Columbia	P. H. Montgomery	P. O. Box 417, Fed. Land Bank Bldg., Columbia 29
<b>SOUTH DAKOTA</b>			
Ross D. Davies	56 & 3rd St., S. E. K of C Bldg., Huron	Glenn A. Avery	Agronomy Dept., South Dakota State College, Brookings
<b>TENNESSEE</b>			
William M. Hardy	U. S. Court House Nashville	Nathan I. Brown	806 Broadway, Nashville 3
<b>TEXAS</b>			
Paul H. Walser	114-118 S. 3rd Street Temple	James D. Simpson	Texas Agr. Exp. Station, College Station
<b>UTAH</b>			
Josiah A. Libby	Atlas Bldg., 36-½ West Second South, Salt Lake City	John W. Metcalf	College Hill, Box 151, Utah Agr. Exp. Station, Logan

## TABULATION OF SOIL CONSERVATIONIST AND SOIL SCIENTIST BY STATES (Continued)

<u>State Conservationist</u>	<u>SCS State Office</u>	<u>State Soil Scientist</u>	<u>Headquarters</u>
<b>VERMONT</b>			
Lemuel J. Peet	Extension Bldg. , 481 Main Street, Burlington	Montague Howard, Jr.	Hills Agricultural Science Bldg. , Univ. of Vermont, Burlington
<b>VIRGINIA</b>			
Sam W. Bondurant	605-609 Main Street Richmond	R. E. Devereux	P O Box 497, Blacksburg
<b>WASHINGTON</b>			
Paul C. McGrew	Hutton Bldg. , 950 Wash. St. , Pullman	Ray W. Chapin	Box 448 College Station. Pullman
<b>WEST VIRGINIA</b>			
Longfellow L. Lough	Bank of Morgantown Bldg. , 265 High St. , Morgantown	Boyd J. Patton	Agr Exp. Sta. , West Va. Univ. , Morgantown
<b>WISCONSIN</b>			
Marvin F. Schweers	State Farm Ins Bldg. , 2702 Monroe St. , Madison	William DeYoung	State Farm Ins. Bldg. , 2702 Monroe St. , Madison 5
<b>WYOMING</b>			
Edgar A. Reeves	Tip Top Bldg. , 355 E. 2nd. St. Casper	Harold Bindschadler	P.O. Box 966, Roach Bldg. , Laramie
<b>ALASKA</b>			
		Thomas H. Day*	P.O. Box F Palmer, Alaska
<b>HAWAII</b>			
		Joe W. Kingsbury*	Federal Building Annex Honolulu, T. H.

<sup>1</sup> As of September 1952

\* Territorial Soil Scientist