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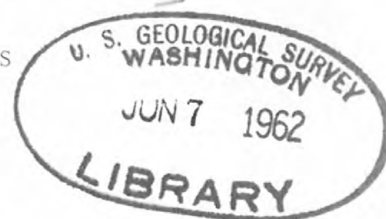
U.S. Geological Survey
E. Mineral Investigations
Resource Map, MR Suite
Text

TO ACCOMPANY MAP MR-21

EPIGENETIC URANIUM DEPOSITS IN THE UNITED STATES

(Exclusive of Alaska and Hawaii)

By A. P. Butler, Jr., W. I. Finch, and W. S. Twenhofel



Introduction

Productive and unproductive deposits of uranium in the United States (exclusive of Alaska and Hawaii) are shown on the accompanying map. These deposits constitute the actual and some of the potential domestic raw-material sources of uranium. Other potential sources of uranium similar to these known deposits remain to be discovered and are probably distributed, at least in part, in the same general way as the deposits shown on the map.

Some general features of the geology and distribution of the deposits are pointed out in this brief explanatory text. A locality index and bibliography follow. The index identifies the deposits by name, gives their geographic location to the nearest minute of latitude and longitude, and cites references to one or more published descriptions if such exist. Unpublished information gathered by the U.S. Atomic Energy Commission and the U.S. Geological Survey has also been used in compiling the map. In addition, the larger part of the present compilation is adapted from similar compilations by W. I. Finch, G. W. Walker, J. D. Vine, I. S. Parrish, F. W. Osterwald, and B. G. Dean.

The map is as detailed as available data and scale restrictions permit, but considerable generalization has been necessary in some areas. As a result, 1,250 locations plotted on the map represent between 5,000 and 6,000 individual deposits. Some localities where radioactivity determinations are unconfirmed by analyses for uranium have been omitted, as have some deposits whose positions are too imperfectly recorded to place them within one minute of their correct position.

Deposits in different ranges of size are distinguished on the map by size of symbol, and deposits of different general types are distinguished by shape of symbol. The total quantity of uranium-bearing rock estimated to have been present before mining was used to rate deposits according to size without distinguishing between past production and remaining reserves.

Two general types of deposits are distinguished, veins and peneconcordant deposits. The group termed veins includes veins in the strict sense, stockworks, and mineralized breccia and fracture zones in rocks of all types. Peneconcordant deposits include most of the abundant widespread deposits in arenaceous and argillaceous sedimentary rocks (Finch, 1959) and most of those in the coaly carbonaceous rocks sometimes referred to as lignites. A few deposits too imperfectly known or described to permit their assignment to one or the other types are grouped as

unclassified.

Most pegmatitic occurrences of uranium are omitted because, although uranium minerals are sparsely present in many pegmatites in the United States, they are rarely concentrated sufficiently to form ore deposits.

Very large total quantities of uranium in marine phosphatic rocks and some marine carbonaceous (black) shales are thought to have accumulated syngenetically with the deposition of the rocks. Consequently these uraniferous rocks are not included with the epigenetic uranium deposits; instead, the reader is referred to Schnabel (1955) and Fix (1958, pl. 3).

The uranium content of the deposits shown on this map, 0.01 percent or more U_3O_8 , represents a concentration of at least 50 times its average content of about 0.0002 percent in the crustal rocks (Fleischer, 1953, fig. 2). The uranium content of most productive deposits is 1,000 to 2,000 times the content in crustal rocks. The deposits range from those that are scarcely more than mineral occurrences to some very large deposits with a uranium content of about 0.5 percent. A few vein deposits contain several hundred thousand tons of ore, and the very large peneconcordant deposits contain several million tons of ore.

Distribution of epigenetic uranium deposits in the United States and details of many deposits are already well described in reports (see especially Page, Stocking, and Smith, 1956; and United Nations, 1956, 1958). The following comments constitute a very generalized summary of information in such reports that serves to supplement the information depicted on the map.

General distribution of deposits

Although deposits are widely distributed in the conterminous United States, they occur chiefly in the plains, intermontane plateaus, basins, and mountains of Western States. The major deposits are in New Mexico, Utah, Arizona, and Colorado in sedimentary rocks of Mesozoic age and in Wyoming and Texas in rocks of Cenozoic age.

In the Western States the deposits are largely within two major tectonic units, the Cordilleran Foreland (Osterwald and Dean, in press) and the region that was the former site of the complex Cordilleran geosynclinal belt (King, 1959) west and southwest of the foreland. Within the region most of the deposits appear to be grouped in two poorly defined areas. These are separated by an area where deposits are sparse. The more easterly area is the larger and

comprises deposits of the Colorado Plateau and the southern and middle Rocky Mountains and a northern portion of the Great Plains. Its long dimension extends northeasterly from southern Arizona to North Dakota. This area contains the largest domestic deposits and about 95 percent of the demonstrated reserves of uranium ore. The most numerous and largest deposits are peneconcordant in continental sedimentary rocks. Vein deposits are numerous and generally small, but a few are moderately large, for example, Marysvale, Utah No. 235, near the western edge of the belt, and Ralston Creek mine, Colorado No. 86, near the eastern edge.

The western area is narrower, more beltlike, and less conspicuous because deposits are distributed more irregularly along it than they are in the eastern area. It is suggested by a sigmoidal pattern of deposits that extends from southern California across northwestern Nevada to southwest Montana. There the belt may turn northwestward to include the alignment of deposits that extends into northern Idaho and northeast Washington. Such a curved form would make this belt crudely colinear with the east border of the Nevadan orogenic belt (King, 1959, fig. 89). Deposits in this belt are mainly veins and generally small as compared to the larger peneconcordant deposits in the eastern belt. However, the Midnite mine, Washington No. 7, near the apparent northwest end of the belt, is the largest known vein deposit of uranium in the United States.

These two areas may represent subprovinces within one general uranium province of the sort outlined by Klepper and Wyant (1957).

Elsewhere in the Western states, deposits in eastern New Mexico, Oklahoma, and the northwest part of Texas are in an area where the southern part of the Cordilleran foreland overlaps the older Ouachita foreland. Those in southern Texas are near the margin of the Gulf geosyncline (King, 1959, p. 81-82).

In the Eastern states most deposits are in rocks that were parts of the former Appalachian geosyncline and foreland. A few in northern New York and northern Michigan are in the Grenville and Superior provinces, respectively, of the Canadian Shield.

Mineralogy

The principal uranium minerals in all types of deposits below the zone of weathering and in most of the ore now being mined are pitchblende, coffinite, combinations of these two, or, less commonly, uraninite. Many kinds of secondary minerals containing hexavalent uranium occur in weathered parts of many deposits and are the only uranium minerals recognized in many small deposits.

The large vein deposits in the conterminous United States contain fairly simple mineral assemblages, uranium minerals accompanied by pyrite and silica or uranium minerals accompanied by pyrite, sparser lead and molybdenum sulfides associated with silica and sparse to abundant fluorite (Page, Stocking, and Smith, 1956, p. 6-7). Veins with more complex mineral assemblages are common, but are represented

among the large deposits only by the Ralston Creek mine, Colorado No. 86.

In the unoxidized peneconcordant deposits uranium minerals are almost universally accompanied by pyrite. Vanadium oxides or vanadiferous silicates are common in some deposits, mainly in parts of the Morrison formation in the Colorado Plateau. Copper sulfides occur with uranium in some deposits in Triassic rocks in the Colorado Plateau region. Molybdenum is a widespread minor constituent and is fairly abundant near uranium ore in large deposits in the Morrison formation in New Mexico and in rocks of Tertiary age in Wyoming and Texas.

Vein deposits

Uranium vein deposits in the Western United States are generally closely associated spatially with felsic plutonic and volcanic rocks that range in age from probable Early or early Late Cretaceous (Nevadan) to Pliocene. (See Finch, Parrish, and Walker, 1959, sheets 2 and 3.) A few, such as deposits in Gila County, Arizona Nos. 112-128, which are close to mafic intrusives of Precambrian age and deposits in Precambrian rocks in the Coeur d'Alene district, Idaho Nos. 3-5, are exceptions to the general relations. Among the younger, more abundant group of deposits, some are in rocks adjacent to intrusive masses, for example, Midnite mine, Washington No. 7, Early Day claims, Nevada No. 19, Central City district, Colorado No. 77; some are in the intrusive rocks, for example, Kargon and Miracle mines, California No. 51, Marysvale district, Utah No. 235, and Boulder batholith area, Montana Nos. 7-22; and some are in volcanic rocks, for example, Moonlight mine, Nevada No. 8 and White King mine, Oregon No. 10. Others such as the Los Ochos and Ralston Creek deposits, Colorado Nos. 213 and 86, are more or less remote from sites of intrusive rocks but still may be related to Tertiary igneous activity.

Although on a broad scale the vein deposits of uranium in the Western States are nearly coextensive with other metalliferous deposits, the larger productive uranium deposits are not in the same small areas or structures that have been important sources of other metals (United Nations, 1958, p. 14, 312). Distributions of felsic igneous rocks of Cretaceous and younger age and of other metalliferous deposits are general guides to fairly large areas where vein deposits of uranium may occur, but are not guides to specific positions of the uranium deposits.

Compared with the much larger peneconcordant deposits in sedimentary rocks, veins are a relatively unimportant source of uranium in the conterminous United States.

Peneconcordant deposits

Peneconcordant deposits of uranium are present in sedimentary rocks that range from Devonian to Pliocene in age, but the largest deposits are in the Triassic Chinle formation, the Jurassic Morrison formation, the Eocene Wind River formation, and the Pliocene Goliad sand.

The rocks containing the deposits include sandstones, mudstones, tuffaceous sandstones and mud-

stones, coaly carbonaceous rocks and limestones, nearly all of which were deposited in continental or marginal marine environments. Formations of which these rocks are a part range from broad alluvial blankets spread over large regions, such as the Chinle and Morrison formations and the rocks of Tertiary age in the Gulf Coastal Plain, to those of much more restricted distribution derived from local, in part faulted, uplifts and deposited in separate basins, such as the Wind River and other formations of Tertiary age (Finch, Parrish, and Walker, 1959, sheet 1). Despite differences in details of origin of particular stratigraphic units, most deposits and all the very large productive deposits are in continental fluvial sandstones.

Although deposits in the arenaceous rocks are distributed irregularly, they are commonly associated with some features of the rocks that are now fairly well recognized. These features include lenticular lenses of sandstone formed as channel fillings within stratigraphic units consisting of nearly equal proportions of sandstone and mudstone; carbonized plant remains or carbonaceous material of uncertain origin; and an appreciable amount of detritus of volcanic origin in immediately superjacent rocks or in the host rocks of the deposits. Various combinations of these features seem necessary for the presence of deposits, particularly large deposits, but are not specific guides to the presence of deposits because they are far more widely distributed than are the deposits themselves.

Deposits in coaly carbonaceous rocks are less uniformly widespread than are deposits in arenaceous rocks. They are mainly in rocks of early Cenozoic age north of the Black Hills. They are sparser and generally lower grade in rocks of Cenozoic and Mesozoic age farther south and west in the Western United States and are absent from the coalbearing sequences in the Central and Eastern States.

The relations of peneconcordant deposits to the distribution of igneous rocks in regions where both are present, as in the Colorado Plateau, are unclear or ambiguous. In some areas, as in the Shirley Basin, Wyoming, and Duval County, Texas, no igneous rocks younger than the rocks enclosing the deposits are known.

Most deposits are in flat-lying to gently dipping beds. Deposits in a few areas seem to be systematically related to gentle folds, but generally systematic relations between distribution of deposits and nearby faults and folds that deform the enclosing rocks are not apparent.

Lateral margins of deposits that cut across sedimentary structures of the enclosing rocks, uranium and other metallic minerals partly filling interstices between grains of the rock, partial replacement of plant remains, and sparse partial replacement of rock minerals by ore minerals suggest that the deposits are epigenetic with respect to the enclosing rocks. Although some details differ from area to area, the general form of deposits and many details within them are sufficiently alike to suggest that the deposits are

the products of a common process or very similar processes.

Various sources for the uranium and processes for concentrating it and associated metals into ore deposits have been proposed. The mineral assemblage and relations of minerals within the deposits suggest to some investigators (McKelvey, Everhart, and Garrels, 1955; Kerr, United Nations, 1958a) that the deposits are of hypogene origin. Direct evidence of a connection between igneous rocks and major uranium deposits is lacking, and in some areas deposits are far removed from known bodies of igneous rock. The same general evidence is interpreted by other investigators as suggesting that the deposits were formed by processes operating *wholly within the prism* of sedimentary rocks and independent of a direct magmatic source (Garrels, 1957; Gruner, 1956; Katayama, 1958). A definitive explanation of the genesis of the deposits that aids in understanding their distribution cannot be given at present.

Locality Index

Lat. N. Long. W.

ARIZONA

Apache County

- | | | |
|--|--------|---------|
| 1. Chee prospect. King, 1951. | 36°33' | 109°03' |
| 2. Red Rock prospect. King, 1951. | 36°36' | 109°03' |
| 3. Upper Red Wash mine. King, 1951. | 36°39' | 109°03' |
| 4. Oak Springs, Syracuse and other mines. Stokes, 1951. | 36°45' | 109°03' |
| 5. Zona No. 1 and other mines. Chew, 1956. | 36°50' | 109°05' |
| 6. North Mesa area. Stokes, 1951. | 36°53' | 109°09' |
| 7. Rattlesnake and other mines. Stokes, 1951. | 36°54' | 109°17' |
| 8. Eurida and other mines. Stokes, 1951. | 36°48' | 109°17' |
| 9. Sunnyside, Friday, and Segi-hocha Mesas. Stokes, 1951. | 36°44' | 109°17' |
| 10. Kinusta Mesa area. Stokes, 1951. | 36°40' | 109°20' |
| 11. Toh-Acon-Mesa area. Stokes, 1951. | 36°43' | 109°24' |
| 12. Cove Mesa. Jones, 1954. | 36°39' | 109°16' |
| 13. East, West, and Mexican Cry Mesas. Dodd, 1956. | 36°35' | 109°17' |
| 14. Mesa I through VII and other mines. Dodd, 1956. | 36°31' | 109°14' |
| 15. Names unknown. | 36°44' | 109°12' |
| 16. Sweetwater Trading Post prospect. | 36°52' | 109°25' |
| 17. Barton No. 3 and other prospects. | 36°57' | 109°26' |
| 18. Garnet Ridge prospect and prospect west of Dinnehotso. Shoemaker, 1956b. | 36°56' | 109°48' |
| 19. Monument No. 2. Finnell, 1957. | 36°56' | 109°53' |

Locality Index (cont'd.)

ARIZONA (cont'd.)

Apache County (cont'd.)

20. Tom Wilson and Tom Klee.	36°29'	109°56'
21. Charlie James No. 1, Salina No. 4, and other deposits.	36°13'	109°52'
22. Yale Point claims.	36°22'	109°50'
23. Polacca Wash.	36°15'	110°00'
24. Etsitty No. 1.	36°17'	109°51'
25. Anonmaly 15-30.1.	35°53'	109°27'
26. Name unknown.	34°39'	109°34'
27. Grant prospect.	34°44'	109°45'

Navajo County

30. Tract No. 2.	34°44'	109°55'
31. Ruth and other claims. Gregg and Moore, 1955.	34°54'	109°52'
32. Jones prospect.	34°57'	109°53'
33. Hanson No. 1.	34°59'	110°15'
34. Gerwitz prospect.	35°01'	110°10'
35. O'Haco.	35°02'	110°36'
36. Name unknown.	35°07'	110°31'
37. O'Haco-Robinson.	35°05'	110°41'
38. Bidahochi Butte. Shoemaker, 1956b.	35°19'	109°55'
39. Sun No. 14. Shoemaker, 1956b.	35°21'	110°08'
40. Morale claim. Shoemaker, 1956b.	35°34'	109°51'
41. Blue Lake claim.	36°45'	110°05'
42. Koley Black No. 1.	36°49'	110°09'
43. Brodies Nos. 4 and 5 and Hunts Mesa. Chester, 1951.	36°53'	110°04'
44. Mitchell Mesa. Witkind, 1956.	36°58'	110°06'
45. Azansoso prospect.	36°54'	110°25'
46. Fern and Moonlight and Monument No. 1. Witkind, 1956.	36°58'	110°15'

Coconino County

55. White Mesa. Gibson, 1952.	36°38'	111°21'
56. Name unknown.	36°39'	111°39'
57. Marble Canyon-Lee's Ferry. Everhart, 1950.	36°50'	111°40'
58. Sun Valley mine. Peterson, Hamilton, and Myers, 1959.	36°47'	111°43'
59. Jasper.	36°44'	111°45'
60. Huskon 5 and other mines.	35°58'	111°24'
61. Huskon Nos. 1 and 2, Jack Daniels, and other mines. Isachsen and Evensen, 1956.	35°53'	111°24'

ARIZONA (cont'd.)

Coconino County (cont'd.)

62. Huskon Nos. 3, 8, and 10 and other mines. Isachsen and Evensen, 1956.	35°47'	111°22'
63. Huskon No. 17 and Ramco group. Isachsen and Evensen, 1956.	35°41'	111°24'
64. Hosteen Nez Nos. 1 and 2.	35°47'	111°09'
65. Calvin Chee.	35°19'	110°58'
66. A & B Nos. 2 and 3.	35°49'	111°27'
67. Boranca de Cobra.	35°46'	112°14'
68. Orphan Lode. Isachsen, Mitcham, and Wood, 1955.	36°04'	112°09'
69. Ridenour. Miller, 1954.	36°06'	113°10'

Mohave County

75. Hack Canyon. Isachsen, Mitcham, and Wood, 1955.	36°35'	112°47'
76. Rainbow. Everhart, 1950.	36°50'	112°47'
77. Katy J.	36°41'	112°50'
78. Copper (Mountain) House.	36°11'	113°27'
79. Chapel prospect.	36°13'	113°19'
80. Dreamer group.	36°51'	114°02'
81. Wharton property.	36°46'	114°01'
82. Lucky 44.	35°57'	114°23'
83. Masterson group.	34°21'	113°36'
84. Red Hills (Tate) group. Hart, 1955; Wright, 1950.	34°18'	113°39'
85. Corley, Lind, and Ellington mines.	35°54'	114°06'
86. De la Fontaine. Hart and Hetland, 1953.	35°24'	114°07'
87. Bobtail mine, Jim Kane mine, Prosperity claim, and other claims. Hart and Hetland, 1953.	35°18'	114°08'
88. Democrat mine. Hart and Hetland, 1953.	34°39'	114°13'
89. Radon claims.	36°50'	112°55'
90. Uranium Basin claims.	35°04'	113°39'
91. White Owl group.	34°27'	113°41'
92. State mine. Hart and Hetland, 1953.	34°29'	113°32'
93. Fools Peak area. Hart, 1955.	34°19'	113°43'

Yavapai County

95. Uranium Aire group. Reyner, Ashwill, and Robison, 1956.	34°18'	113°17'
96. Pretty Folly.	34°49'	112°00'
97. Hillside mine, Kitten No. 1, and Seven Stars. Axelrod and others, 1951; Wright, 1950.	34°37'	113°12'

Locality Index (cont'd.)

ARIZONA (cont'd.)

Yavapai County (cont'd.)

98. Cardinal.	34°31'	113°06'
99. Uranus group.	34°10'	112°44'
100. Abe Lincoln. Raup, 1954.	34°03'	112°33'
101. Ford claim.	34°10'	112°19'
102. Fairview group.	34°41'	112°04'
103. Willbank property.	34°04'	112°21'

Gila County

110. Promnotory.	34°20'	111°02'
111. Roxy, Q-Ranch.	34°04'	110°48'
112. Shepp-Stockman group. Granger and Raup, 1959.	33°59'	110°52'
113. Rick.	33°59'	110°58'
114. Able, North Star, and others.	34°00'	111°07'
115. Trek.	34°01'	111°23'
116. Blevins Canyon, Fairview, and others. Granger and Raup, 1959.	33°55'	111°04'
117. Geiger.	33°48'	111°16'
118. Hope, Workman, and others. Granger and Raup, 1959.	33°52'	110°56'
119. Red Bluff. Granger and Raup, 1959.	33°44'	110°57'
120. Donna Lee Sue. Granger and Raup, 1959.	33°46'	110°52'
121. Tomatoe Juice and others.	33°48'	110°42'
122. Ash Creek property.	33°46'	110°35'
123. Bronx Copper No. 6, Red Hill, and Castle Dome.	33°23'	110°59'
124. Copper City.	33°27'	110°52'
125. Black Hawk.	33°25'	110°42'
126. Lucky Boy group and others.	33°13'	110°48'
127. Dale.	33°07'	110°48'
128. Black Brush claim. Granger and Raup, 1959.	33°53'	110°55'
129. King No. 1 claim. Weathers, 1954.	33°21'	110°52'

Graham County

130. Cactus No. 1.	32°58'	110°12'
131. Goldondrina. Wright, 1950.	32°30'	109°46'
132. White Bluffs Uranium Co.	32°43'	109°27'

Pinal County

135. Waterfall claims.	32°58'	110°51'
136. Honey Bee claims, Shorty group, Wooley No. 1.	33°03'	111°01'

ARIZONA (cont'd.)

Pinal County (cont'd.)

137. Name unknown.	33°03'	111°16'
138. Mineral Butte group.	33°10'	111°35'

Maricopa County

140. Golden Duck group.	33°55'	112°30'
141. Los Cuatros group.	33°54'	112°04'
142. Black Butte (Aguila), Jar, and other prospects. Hewett, 1925.	33°51'	113°01'
143. Arrowhead group and Faith in You group.	33°18'	112°37'
144. Copper Kid group.	33°53'	111°57'
145. Manley and Bickle group.	33°51'	111°51'
146. Lucky Find group.	33°59'	111°47'

Yuma County

150. Bonanza mine.	32°55'	113°38'
151. Rayverne group.	33°51'	114°04'
152. State lease and Topaz claims.	33°02'	114°17'
153. Muggins Mountains.	32°45'	114°11'
154. McMillan prospect.	32°20'	113°52'

Pima County

155. Diamond Head group, Hopeful No. 1, and Leadville group.	31°53'	111°11'
156. Glen claims, Lena No. 1, and San Juan Nos. 1 and 2.	31°53'	111°15'
157. Black Dike. Wright, 1950.	31°57'	111°18'
158. New Years Eve.	31°54'	111°05'
159. Half Moon No. 3.	32°29'	110°30'
160. Linda Lee claims.	32°11'	112°09'
161. Papago Chief. Wright, 1950.	31°40'	111°38'
162. Iris and Natalia property. Wright, 1950.	31°34'	111°12'
163. St. Joe prospect. Wright, 1950.	31°27'	111°25'
164. Red Hills.	32°04'	110°38'
165. King mine.	31°52'	110°47'
166. Sure Fire No. 1. Wright, 1950.	32°18'	110°29'

Santa Cruz County

170. Duranium.	31°40'	111°02'
171. Santa Clara and Annie Laurie. Webb and Coryell, 1954; Wright, 1950.	31°28'	111°15'
172. Grand View group and Lone Star No. 1.	31°30'	111°19'
173. Spelbrink claim. Wright, 1950.	31°22'	111°11'
174. Silver Mine claim and White	31°22'	111°05'

Locality Index (cont'd.)

ARIZONA (cont'd.)

Santa Cruz County (cont'd.)

Oak mine. Webb and Coryell, 1954.

175. Alto mine. 31°21' 110°52'
176. Bowling Green group and Lucky Spur group. 31°35' 110°48'

Cochise County

177. Redfield claims. 32°16' 110°26'
178. Valley View. Wright, 1950. 32°13' 109°44'
179. Uranium Hill claims. 32°11' 109°30'
180. Elanna and Fluorine Hill. 31°55' 109°46'
181. First Chance and "Howard" claim. Wright, 1950. 31°51' 110°21'
182. Bisbee district. Wallace, 1955. 31°26' 109°55'
183. Walnut. 31°26' 110°20'

ARKANSAS

Crawford County

1. Unnamed. 35°38' 94°13'

Montgomery County

2. Unnamed. 34°28' 93°52'
3. E. L. Miller & Co. prospect. 34°22' 93°51'

Pike County

4. Rankin prospect. Ark. Geol. Conserv. Comm., 1959. 34°02' 93°44'

Garland County

5. Chandler prospect. Ark. Geol. Conserv. Comm., 1959. 34°33' 92°56'
6. Wilson Springs. Ark. Geol. Conserv. Comm., 1959. 34°29' 92°57'

Hot Spring County

7. Runyan prospect. Ark. Geol. Conserv. Comm., 1959. 34°29' 92°51'

CALIFORNIA

Lassen County

1. Donald R. Nos. 1 and 2 and Independence group (partly in Nevada). 39°58' 120°01'
2. Lola G. and Noma J. group. 39°55' 120°02'
3. Cornelia group (Jeanne K) and Herbel group. Walker, Lovering, and Stephens, 1956. 39°53' 120°01'
4. Black Jack Nos. 1 and 2. 39°47' 120°07'
5. Madonna Mia. 39°44' 120°07'

CALIFORNIA (cont'd.)

Plumas County

6. Guidice mine, Perry Jones group, and Unnamed prospect. Walker, Lovering, and Stephens, 1956. 39°54' 120°08'

Nevada County

7. Truckee Canyon group (Green Boy and Floriston claims). Walker, Lovering, and Stephens, 1956. 39°24' 120°02'

Alpine County

8. Mary E. and others. 38°35' 119°52'

Calaveras County

9. Rathgeb mine. Walker, Lovering, and Stephens, 1956. 38°09' 120°38'
10. Radium No. 1. 38°05' 120°30'

Tuolumne County

11. Juniper claim. 38°18' 119°47'
12. Autunite and Carnotite group. 38°18' 119°53'

Mono County

13. Gopher Hole group. 38°18' 119°35'
14. Margaret Bryant group. 38°21' 119°29'
15. CB group. 38°25' 119°22'
16. San Antonio claim. 37°56' 118°34'
17. Claw group. 37°46' 118°19'
18. Wild Bill group (Banner or Dog). Walker, Lovering, and Stephens, 1956. 37°41' 118°36'

Madera County

19. Pop's and Patsy's, Johnson group (Sierra Mining Co.), and Chiquito Creek area. 37°22' 119°21'

Fresno County

20. Hoffman meadow. Swanson and Vine, 1958. 37°24' 119°11'

San Benito County

21. Pinnacles National Monument. 36°30' 121°11'

Monterey County

22. Arajó. 35°55' 120°31'

Tulare County

23. Tomlee. 35°55' 118°55'
24. Jay Bird No. 1. 35°55' 118°29'
25. Los Tres Burros No. 1. 35°48' 118°25'

Inyo County

26. Bonanza mine. 37°14' 117°43'

Locality Index (cont'd.)

CALIFORNIA (cont'd.)

Inyo County (cont'd.)

27. Scintiscope.	36°50'	118°03'
28. Big Horn (Lucky Strike).	36°37'	117°59'
29. Golden Nugget.	36°17'	117°28'
30. Green Velvet group, Valley View group, Jackson and Linda, and Easter groups. Walker, Lovering, and Stephens, 1956.	36°15'	117°55'
31. Coso Mining Co., Seneca claim No. 2, Linda Sue and Esther groups. Troxel, Stinson, and Chesterman, 1957.	36°10'	117°55'
32. Ontario Minerals group.	36°08'	117°58'

San Luis Obispo County

33. Bethel No. 1.	35°23'	120°18'
34. Wakefield. Walker, Lovering, and Stephens, 1956.	35°21'	120°14'
35. Santa Margarita prospect, Walker, Lovering, and Stephens, 1956.	35°21'	120°24'
36. Owen No. 3, Mitchell, Hillbilly No. 10 (partly in Kern County). Walker, Lovering, and Stephens, 1956.	35°10'	119°37'
	do	do
37. E. Campedonico ranch.	35°06'	120°30'
38. Front Door group.	35°07'	120°09'

Kern County

39. McClanahan group.	35°44'	120°01'
40. Four Horsemen and Sunny Valley.	35°38'	120°01'
41. Twisselman Ranch.	35°35'	120°00'
42. High Hat.	35°24'	119°46'
43. Surprise No. 1. Walker, Lovering, and Stephens, 1956.	35°21'	119°42'
44. Loperna. Walker, Lovering, and Stephens, 1956.	35°21'	119°45'
45. Quality Oil Co. and Houtz and Stone. Walker, Lovering, and Stephens, 1956.	35°10'	119°28'
46. Phantom No. 1, Three Friends, Tres Amigo No. 1, and Watson.	35°08'	119°32'
47. Fiscus and Geeslin and Hi Lo. Walker, Lovering, and Stephens, 1956.	35°05'	119°27'
48. Kern County Land Co.	35°01'	119°01'
49. S and W group.	34°53'	119°13'
50. Petit Ranch, Swanson and Vine, 1958.	35°39'	118°36'
51. Kergon mine, Buckeye group,	35°35'	118°34'

CALIFORNIA (cont'd.)

Kern County (cont'd.)

Little Sparkler No. 4, Miracle mine, Wayne Case (Eureka group), and Monte Cristo. MacKevett, 1960; Troxel, Stinson, and Chesterman, 1957; Walker, Lovering, and Stephens, 1956.		
52. Monitor group and Embree property. Walker, Lovering, and Stephens, 1956.	35°34'	118°23'
53. Kervin and Lucky Seven. Walker, Lovering, and Stephens, 1956.	35°34'	118°12'
54. Chilson property. Walker, Lovering, and Stephens, 1956.	35°28'	117°38'
55. Silver Lady claim. Walker, Lovering, and Stephens, 1956.	35°20'	118°06'
57. Buster Tom claims. Walker, Lovering, and Stephens, 1956.	35°04'	118°23'
58. Emerald Queen. Walker, Lovering, and Stephens, 1956.	35°06'	118°12'
59. Nob Hill.	35°07'	117°52'
60. Bluett property. Walker, Lovering, and Stephens, 1956.	34°59'	118°15'
61. Section 10 anomaly and Jumpin claim. Walker, Lovering, and Stephens, 1956.	34°53'	118°15'
62. "School Section" (Verdi Development Co. property), Rosamond prospect, and Stillwell property. Walker, Lovering, and Stephens, 1956.	34°55'	118°12'
63. Vanuray. Walker, Lovering, and Stephens, 1956.	35°01'	117°41'

Ventura County

64. Hidden Springs.	34°49'	119°22'
65. Lucky Saddle No. 1 and Florence Group.	34°34'	119°15'
66. Gamma Queen, Coyote No. 1, and Hoot Mon No. 4.	34°28'	119°25'
67. Bear Can No. 12 and Payoff.	34°28'	119°21'
68. Strathearn Cattle Co.	34°21'	118°52'

Los Angeles County

69. Good.	34°44'	118°45'
70. Newhall, Moore and Stephens, 1954.	34°23'	118°33'
71. Turtle group and Lookout Lode claim. Walker, Lovering, and Stephens, 1956.	34°49'	117°41'
72. Rafferty.	34°40'	117°42'

San Bernardino County

73. Carnotite No. 1.	35°03'	117°35'
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Locality Index (cont'd.)

CALIFORNIA (cont'd.)

San Bernardino County (cont'd.)

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|--|--------|---------|
| 74. Yellow Tiger, Kramer Hills, and Fiend claim, Walker, Lovering, and Stephens, 1956. | 34°55' | 117°28' |
| 75. Coon claims, Walker, Lovering, and Stephens, 1956. | 35°02' | 117°03' |
| 76. Dog Tag. | 35°00' | 116°54' |
| 77. Norris claims. | 34°57' | 116°52' |
| 78. Harvard Hills. Walker, Lovering, and Stephens, 1956. | 34°57' | 116°40' |
| 79. Paymaster mine, Walker, Lovering, and Stephens, 1956. | 35°14' | 115°57' |
| 80. Lucky Belle group, Walker, Lovering, and Stephens, 1956. | 35°23' | 115°57' |
| 81. Jeep No. 2 claim, Walker, Lovering, and Stephens, 1956. | 35°35' | 115°41' |
| 82. Mountain Pass area, Olson and others, 1954. | 35°27' | 115°32' |
| 83. Brooke molybdenite (Big Hunch claims). | 35°15' | 115°22' |
| 84. Yerih group, Walker, Lovering, and Stephens, 1956. | 34°17' | 116°52' |
| 85. Thum Bum, Walker, Lovering, and Stephens, 1956. | 34°13' | 116°46' |
| 86. Black Dog, Walker, Lovering, and Stephens, 1956. | 34°18' | 116°31' |
| 87. Copper Mountain Uranium, Walker, Lovering, and Stephens, 1956. | 34°10' | 116°11' |
| 88. Hoping No. 1. | 34°36' | 115°39' |
| 89. Red Devil, Walker, Lovering, and Stephens, 1956. | 34°37' | 115°07' |

Riverside County

- | | | |
|-----------------------------|--------|---------|
| 90. Ram group. | 33°59' | 115°54' |
| 91. Bald Eagle group. | 33°45' | 114°38' |
| 92. North East No. 1 claim. | 33°39' | 114°50' |

Imperial County

- | | | |
|---|--------|---------|
| 93. Lady Katie group, Walker, Lovering, and Stephens, 1956. | 33°24' | 115°30' |
| 94. Brazero Negro group. | 33°19' | 115°22' |
| 95. Lucky Star, Walker, Lovering, and Stephens, 1956. | 33°05' | 114°55' |

COLORADO

Logan County

- | | | |
|------------------|--------|---------|
| 1. Name unknown. | 40°45' | 103°17' |
|------------------|--------|---------|

Larimer County

- | | | |
|-----------------------------------|--------|---------|
| 6. Copper King mine, Sims, Phair, | 40°51' | 105°29' |
|-----------------------------------|--------|---------|

COLORADO (cont'd.)

Larimer County (cont'd.)

and Moench, 1958.

- | | | |
|--|--------|---------|
| 7. Batterson property, Revis claim, Twenty Plus claim, and Uranium Queen. | 40°44' | 105°34' |
| 8. Crystal Mountain No. 1, Eureka Group, and name unknown, Thurston, 1955. | 40°32' | 105°26' |
| 9. Spring. | 40°40' | 105°47' |
| 10. Carter Lake. | 40°20' | 105°15' |
| 11. Horsetooth Reservoir. | 40°32' | 105°08' |
| 12. Wakheta lease. | 40°40' | 105°11' |

Jackson County

- | | | |
|--|--------|---------|
| 20. Sheep Mountain prospect and Fred Brands ranch. | 40°49' | 106°30' |
| 21. James Bird and Pedad claims, Winterhalder, 1954. | 40°43' | 106°37' |
| 23. Simmons. | 40°59' | 106°26' |

Routt County

- | | | |
|---------------------------------------|--------|---------|
| 25. Hahn's Peak. | 40°48' | 106°46' |
| 26. Willow Creek claims. | 40°51' | 106°59' |
| 27. Dead Horse claims. | 40°57' | 107°02' |
| 28. Fair U. Beroni and McKeown, 1952. | 40°30' | 106°44' |
| 29. Mical. | 40°07' | 106°41' |
| 30. Mt. Zirkel. | 40°52' | 106°53' |

Moffat County

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|---|--------|---------|
| 35. Little Dazy Lede group. | 40°51' | 108°44' |
| 36. Little Den group. | 40°44' | 108°38' |
| 37. Powers claim, Gruner and Smith, 1955. | 40°32' | 108°37' |
| 38. Little Star and Starlight. | 40°23' | 108°34' |
| 39. Skull Creek area, Clinton and Carithers, 1956; Moore and Kit-hil, 1913. | 40°16' | 108°42' |
| 40. Hangover claims and Jacobsen. | 40°14' | 108°45' |
| 41. Elk Springs. | 40°23' | 108°25' |
| 42. Carol J. and September Morn. | 40°25' | 108°08' |
| 43. Shell group. | 40°34' | 108°07' |
| 44. Gertrude and Marge, Bergin, 1956, 1957. | 40°35' | 107°59' |
| 45. Buffalo Head, Leon Henderson, and Sugar loaf, Bergin, 1956, 1957. | 40°33' | 107°55' |
| 46. Bob Cat group, Eskridge, and Lay mine. | 40°35' | 107°49' |
| 47. Big Gulch and Golden Grain. | 40°38' | 107°39' |

Locality Index (cont'd.)

COLORADO (cont'd.)

Moffat County (cont'd.)

48. Cedar Mining Co. and Claim No. 1. 40°30' 107°57'

Rio Blanco County

50. Meeker group. Gale, 1907. 40°08' 107°42'

51. Riland (Guy Stealy) prospect. 40°05' 107°33'

Garfield County

53. Rifle district. Fischer, 1937. 39°40' 107°42'

54. Elk Van and End of Trail No. 2. 39°40' 107°38'

55. Name unknown. Fischer, Stokes, and Smith, 1945. 39°40' 107°45'

Grand County

57. Alaska Humes group. Malan, 1957. 40°22' 106°37'

58. Beaver Creek, Lucky Jack, and Undecided. Malan, 1957. 40°03' 106°08'

59. Troublesome Creek. Beroni and McKeown, 1952. 40°06' 106°17'

60. Engels Ranch. 40°01' 106°26'

61. Phillips No. 1 and name unknown. 40°02' 105°40'

62. No Names claims and name unknown. 39°49' 105°44'

63. Name unknown. 39°57' 106°37'

Boulder County

65. Rose Mary No. 1. 40°15' 105°14'

66. Jamestown district. Goddard, 1946; Phair and Shimamoto, 1951. 40°08' 105°23'

67. Gold Hill district. Campbell, 1955. 40°04' 105°24'

69. Copeland, Frontz, and Tanner. 39°57' 105°29'

70. Caribou. Moore, Cavender, and Kaiser, 1957; Wright, 1954. 39°59' 105°35'

71. Fairday. 40°08' 105°28'

Gilpin County

75. Elliot (Wealthy lode), Perigo, Poorman, and name unknown. 39°51' 105°34'

76. Golden-Passarale. 39°52' 105°25'

77. Central City district, Carrol, Cherokee, and Wood mine. Drake, 1957; Sims, 1956; Sims, Osterwald, and Tooker, 1955. 39°48' 105°30'

Clear Creek County

80. Golconda and Golden Calf. Smith and Baker, 1951. 39°48' 105°35'

COLORADO (cont'd.)

Clear Creek County (cont'd.)

81. Freeland-Lamartine and Law-son-Dumont districts. Harrison and Wells, 1956. 39°45' 105°37'

82. Urad mine. 39°45' 105°49'

83. Keiper. 39°36' 105°45'

Jefferson County

85. Lindsay clay pits and Leyden Coal mine. Berthoud, 1875; Gude and McKeown, 1953. 39°51' 105°14'

86. Ralston Creek (Schwartzwalder) and other mines. Adams, Gude, and Beroni, 1953; Bird and Stafford, 1955; Sheridan and others, 1958. 39°51' 105°18'

87. Gary mine, Golden Gate, Ladwig, and others. Adams and Stugard, 1956. 39°47' 105°16'

88. Brereton and name unknown. 39°54' 105°21'

89. F. M. D., Grapevine, and Wright. Theobald and Gullinger, 1955. 39°40' 105°16'

90. Pallaoro (Morrison), Stevenson, Vanadium Queen, and name unknown. Goldstein, 1957; Wood, 1956. 39°39' 105°11'

91. Bonzo No. 1, Billiken lode, and Quayle prospect. 39°28' 105°13'

92. Name unknown. 39°43' 105°11'

Park County

95. Garo (Shirley May). Wilmarth, 1959. 39°07' 105°55'

96. Carson Mining Co. 38°54' 105°55'

97. Redskin claim and Shamrock-Irish group. 39°05' 105°27'

98. Champaign fissure, Kentucky Bell adit, London extension mine, Orphan Boy, and South London mine. Pierson and Singewald, 1953. 39°16' 106°07'

Lake County

100. Climax mine. Vanderwilt and King, 1954. 39°22' 106°11'

101. St. Kevin district. Pierson and Singewald, 1954. 39°18' 106°23'

Eagle County

106. Tipton Ranch. 39°55' 106°44'

107. Arrowhead No. 1, Lucky Strike No. 1, and Skyline Exploration Co. 39°43' 106°32'

108. Eagle, Ground Hog No. 1, and Lady Bell. 39°36' 106°43'

Locality Index (cont'd.)

COLORADO (cont'd.)

Eagle County (cont'd.)

109. Rock Hat claim. 39°54' 106°37'

Pitkin County

115. Smuggler mine. Boyd and Bromley, 1953. 39°12' 106°49'

Mesa County

120. La Sal group, Lumsden group, Pack Rat group, and other mines. Fischer, 1944. 38°39' 109°02'

121. Black Mamma, Liberty Bell, and Mammoth. Cater, 1955a. 38°40' 108°54'

122. Calamity Mesa. Cater, 1955b. 38°37' 108°52'

123. Outlaw group. Cater, 1955b. 38°36' 108°48'

124. Black Jumbo group, Elizabeth group, and Yellow Bird group. Fischer, 1944. 38°33' 108°46'

125. Cave Canyon group and other mines. Shoemaker, 1955. 38°38' 108°59'

Montrose County

130. Dolores group and other mines. Cater, Butler, and McKay, 1955; McKay, 1955a, b. 38°24' 108°46'

131. Carpenter Ridge group and Martin Mesa. McKay, 1955a; Shoemaker, 1956a. 38°24' 108°51'

132. Buckhorn No. 3, Radium Cycle, and Rajah mine. Shoemaker, 1956a. 38°27' 108°57'

133. Club group, Shamrock group, Tramp No. 2, and other mines. Coffin, 1921; Fischer, 1942. 38°22' 108°44'

134. Long Park group, Mineral Park group, Whitney, and other mines. Cater, 1955c; Cater, Butler, and McKay, 1955. 38°18' 108°45'

135. Gramlich group, Morning Star, Yellow Bird group, and other mines. Fischer, 1944. 38°20' 109°02'

136. Cashin mine. Fischer, 1936; Riley and Owens, 1957. 38°19' 108°57'

137. American Eagle No. 1, Gyp No. 1, Silveys Pocket, and other mines. Cater, 1955d. 38°11' 108°57'

138. Bitter Creek mine and other mines. Heyl, 1957. 38°16' 108°41'

139. Jo Dandy group, Monogram group, and other mines. Cater, 1954. 38°14' 108°45'

140. Little Alice, Vaden View, and Wild Steer. Cater, 1954. 38°15' 108°49'

COLORADO (cont'd.)

Montrose County (cont'd.)

141. Bull Canyon. Cater, 1954; Dodd, 1956; Roach and Thompson, 1959. 38°11' 108°50'

Gunnison County

145. Matchless group. 38°54' 106°35'

146. Roberts prospect and Lady-in-Red prospect. 38°20' 107°05'

147. Silent Friend mine. Dings and Schafer, 1953. 38°38' 106°28'

Chaffee County

150. Little Jimmie prospect and Madonna mine. Dings and Schafer, 1953. 38°32' 106°18'

151. Swiss Boy mine. 39°00' 106°26'

152. California mine. Adams, 1953. 38°39' 106°17'

153. Lucky John No. 2 and Lucky Break placer. 38°38' 105°58'

Fremont County

160. Armstrong, DeLellis, and Lightning No. 2. 38°19' 105°45'

162. Dickson-Snooper, Mary L, and Sunshine mine. Simon, 1956. 38°34' 105°31'

163. A. Griffin ranch. Christman and others, 1953. 38°18' 105°18'

164. Jesus lode. Wyant, Beroni, and Granger, 1952. 38°27' 105°27'

165. Fremont Uranium Co. 38°25' 105°46'

166. Beaver Creek and Brandt. 38°33' 105°02'

167. Colexo. 38°35' 105°16'

Teller County

169. Lady Stith. 38°45' 105°11'

El Paso County

170. Burgess. 39°00' 104°46'

171. Duffields property. 38°44' 104°55'

172. Mike Doyle and Peter Jensen. Beroni and King, 1952. 38°41' 104°52'

Pueblo County

175. Avery ranch. Nash and Brown, 1954. 38°31' 104°49'

Las Animas County

185. Booster No. 1. Simon, 1956. 37°20' 103°56'

186. Fan Dyke. Simon, 1956. 37°15' 105°08'

Huerfano County

190. Buckhorn, Security Exploration 37°53' 105°14'

Locality Index (cont'd.)

COLORADO (cont'd.)

Huerfano County (cont'd.)

Co., and other properties.

191. Stumbling Stud, Tuffy, and other prospects. 37°47' 105°02'
192. McIntire and Santa Rosa. Wyant, Beroni, and Granger, 1952. 37°43' 105°16'
193. City Slicker, McGuire, and other prospects. Brown and Malan, 1954. 37°43' 105°09'
194. Spanish Peaks area. 37°25' 105°06'

Custer County

200. Watter's ranch. Christman and others, 1955. 38°11' 105°15'
201. Horn (Little Horn) Peak and other prospects. 38°03' 105°35'
202. King Midas No. 8. 37°58' 105°34'

Costilla County

205. Parks lode. 37°29' 105°10'

Saguache County

210. I. Kreiner property. 38°03' 105°44'
211. Bonita and Whale. 38°24' 106°10'
212. Brinkerhoff, Little Indian group, Vulcan, and other mines. 38°24' 106°22'
213. Irishmans Dream, Kathy Jo, and Los Ochos. Derzay, 1956. 38°21' 106°44'
214. Anna. 38°18' 106°38'
215. Elisha group and Storey claims. 38°18' 106°46'

Hinsdale County

220. Rio Grande claims. 37°47' 107°23'

Ouray County

225. Pony Express mine. Burbank and Pierson, 1953. 38°04' 107°41'
226. Bear Creek Falls. Burbank and Pierson, 1953. 38°00' 107°40'
227. Larson property and Michael Breen. Burbank and Pierson, 1953. 37°58' 107°39'
228. National Bell, Southwest metals, and Yankee Girl mine. Burbank and Pierson, 1953. 37°55' 107°43'

San Juan County

228. Koehler Tunnel and Surprise claim. Burbank and Pierson, 1953. 37°55' 107°43'
231. Graysill group. Gruner, Rosen-sweig, and Smith, 1954. 37°43' 107°54'

COLORADO (cont'd.)

San Miguel County

236. Bear Creek, Carpenter, Done-gan, Fall Creek, Frazier, and other mines. Fischer, Haff, and Rominger, 1947. 37°59' 108°00'
237. Black King No. 5, Leopard No. 3, Omega, White Spar, and other mines. Fischer, Haff, and Ro-minger, 1947; Wilmarth and Vickers, 1953. 38°02' 108°03'
238. Pitchfork group and other mines. Cater, 1955g. 38°01' 108°39'
239. Bald Eagle, Lone Ridge group, and other mines. Cater, 1955g; Gableman, 1956b. 38°03' 108°43'
240. Lookout, Mexico group, Span-iard No. 1, and other mines. Cater, 1955f. 38°07' 108°50'
241. Empire group, Pinto, and other mines. 38°05' 109°01'
242. Charles T group, Golden Rod group, Lower group, Middle group, and other groups. Cater, 1955e. 38°03' 108°56'
243. Legin group, Mercantile, Own-bey group, and other mines. Cater, 1955h. 37°58' 108°59'
244. Moon group, Spud Patch group, and other mines. Cater, 1955h. 37°59' 108°52'
245. Horseshoe group, Shinarump Rim, and other mines. Cater, 1955i. 37°55' 108°48'

Dolores County

250. Barlow group. 37°44' 107°57'

Montezuma County

256. Karla Kay. 37°21' 108°52'

La Plata County

260. Good Hope and Nevada group. 37°21' 107°59'

CONNECTICUT

Hartford County

1. New Gate prison. 41°58' 72°45'

GEORGIA

DeKalb County

1. Stone Mountain. Watson, 1902. 33°48' 84°08'

IDAHO

Boundary County

1. Porthill area and Golden Sceptre. Weis, Armstrong, and Rosenblum, 1958. 48°57' 116°24'

Locality Index (cont'd.)

IDAHO (cont'd.)

Bonner County

2. Hotentot group. 48°30' 116°23'

Shoshone County

3. Page mine and Bunker Hill mine. Weis, Armstrong, and Rosenblum, 1958. 47°32' 116°10'

4. Sunshine mine, Crescent mine, and Coeur d'Alene mine. Thurlow and Wright, 1950; Weis, Armstrong, and Rosenblum, 1958. 47°30' 116°04'

5. Galena mine. Weis, Armstrong, and Rosenblum, 1958. 47°29' 115°58'

Lemhi County

6. Surprise claim group, Moon claim, and Garm-Lamoreaux mine. Trites and Tooker, 1953; Weis, Armstrong, and Rosenblum, 1958. 45°33' 113°59'

7. Musgrove Creek area. 45°02' 114°22'

8. Williams Creek area (McConnell-Sargent claims, Donna Lou claims). Hubbard, 1955; Weis, Armstrong, and Rosenblum, 1958. 45°05' 113°53'

9. Wonder Lode claim. Trites and Tooker, 1953; Weis, Armstrong, and Rosenblum, 1958. 44°58' 113°28'

10. Ellis area. 44°42' 114°02'

Valley County

11. Howdy Doody claim. 44°57' 115°19'

Custer County

12. Bell-Cross claims and Enterprise claims. Kern, 1959. 44°18' 114°55'

13. Coal Creek claims, East Basin group, Lucky Strike claims, Hardee claim, and others nearby. Kern, 1959. 44°17' 114°50'

15. Empire mine. 43°54' 113°40'

Clark County

16. First Discovery claim. 44°20' 112°48'

17. Myers Creek area (Eklhorn group). 44°18' 112°43'

18. Long Canyon area. 44°07' 112°51'

Blaine County

19. Camas mining district. Weis, Armstrong, and Rosenblum, 1958. 43°25' 114°27'

Bonneville County

20. Fall Creek area. Vine, 1959. 43°22' 111°32'

IDAHO (cont'd.)

Bonneville County (cont'd.)

21. Grays Lake area. Vine, 1959. 43°09' 111°23'

Oneida County

22. Curley Jack property. 42°19' 112°11'

Cassia County

23. Trapper Creek area. Mapel and Hail, 1959. 42°09' 114°01'

24. Goose Creek area, northwest. Mapel and Hail, 1959. 42°02' 114°01'

25. Goose Creek area. Mapel and Hail, 1959. 42°01' 113°57'

MICHIGAN

Baraga County

1. Huron River deposit. Vickers, 1953a. 46°51' 88°06'

2. Graphite quarry. Vickers, 1953b. 46°39' 88°27'

Marquette County

3. M and G property. 46°31' 87°57'

4. Princeton mine. 46°17' 87°28'

5. Francis mine. 46°16' 87°25'

Dickinson County

6. Isham claims. 46°03' 87°52'

Iron County

7. Sherwood, Buck and Cardiff mines. 46°07' 88°39'

MONTANA

Lincoln County

1. Oro mine. Vhay, 1950. 48°30' 116°01'

Chouteau County

2. Rocky Boy stock. 48°10' 109°43'

Mineral County

3. Waterhole No. 8. Weis, Armstrong, and Rosenblum, 1958. 47°27' 115°28'

4. Keith property. 47°20' 115°07'

Ravalli County

5. Little Joe prospect. Eng. Mining Jour., 1957b. 45°47' 114°25'

Lewis and Clark County

6. Hauser Lake area. Hail and Gill, 1953. 46°41' 111°52'

7. Bunker Hill mine, Daniel Stanton mine, Horsefly mine, Sec. 34 occurrences, Bridgett-Braligan 46°28' 112°15'

Locality Index (cont'd.)

MONTANA (cont'd.)

Lewis and Clark County (cont'd.)

property and name unknown. Becraft, 1956.

Powell and Jefferson Counties

8. Lilly group, Sure Thing group, and Josephine mine. Becraft, 1956; Thurlow and Reyner, 1952. 45°27' 112°20'

Jefferson County

9. Hinman prospect, Forty-niner and other King Solomon Ridge group. Becraft, 1956. 46°28' 112°03'
10. W. Wilson, other President group claims, and Liverpool mine. Becraft, 1956. 46°27' 112°00'
11. White Pine mine, B & G mine, War Eagle, Bell, and Carbonate Chief. Becraft, 1956. 46°25' 111°54'
12. Argonne mine. Becraft, 1956. 46°27' 112°11'
13. Lone Eagle mine. Becraft, 1956. 46°24' 112°09'
14. Bullion mine and Uranium claim. Becraft, 1956; Thurlow and Reyner, 1952. 46°22' 112°17'
15. Name undetermined and Uncle Sam. Becraft, 1956. 46°19' 112°16'
16. Gray Eagle mine and Comet mine. Becraft, 1956. 46°19' 112°12'
17. Name not reported. Becraft, 1956. 46°18' 112°06'
18. Free Enterprise mine, Silver Bell prospect, and Boulder Mercury group. Roberts and Gude, 1953. 46°15' 112°08'
19. Red Rock claims. Becraft, 1956. 46°16' 112°18'
20. Not identified. Becraft, 1956. 46°13' 112°15'
21. Name unreported, May Day Four group, and Nickelodeon claim. Becraft, 1956. 46°12' 112°09'
22. Mountain Queen and Jack. Thurlow and Reyner, 1952. 46°04' 112°13'
23. Unnamed. Becraft, 1958. 46°03' 111°41'
24. Peterson farm. 45°57' 111°42'
25. Golden Sunlight group. 45°54' 112°01'

Broadwater County

26. Unnamed (localities A, L, M, C, D, S, B, G, and U). Becraft, 1958. 46°31' 111°37'

Silver Bow County

27. Courtney claim. 46°03' 112°30'
28. Mooney claim. Moen, 1954. 45°58' 112°45'

MONTANA (cont'd.)

Silver Bow County (cont'd.)

29. Carnotite claims. Trites and Tooker, 1953. 45°40' 112°38'

Beaverhead County

30. Moida claims. 45°00' 113°17'
31. Iola Prospect. Trites and Tooker, 1953. 44°33' 112°49'

Madison County

32. Uranium claims and R and M claims. Trites and Tooker, 1953. 45°36' 112°36'
33. Braunzell and Eby prospect. 45°12' 112°03'

Park County

34. Ray and Al Rudd property. 45°15' 110°18'

Carbon County

35. Weaver property. Stow, 1953. 45°10' 109°18'
36. Royse property. Stow, 1953; Weis, Armstrong, and Rosenblum, 1958. 45°05' 109°15'
37. Windmill. 45°04' 108°32'
38. Old Glory mine, Sandra claim, Perc group, Dandy mine, Drinkard, and Green lease. Hart, 1958; Hauptman, 1956. 45°06' 108°25'
39. Swamp Frog mine. Hart, 1958; Hauptman, 1956. 45°02' 108°25'
40. Teton Exploration Co. and Planet Mining Co. Hart, 1958; Hauptman, 1956. 45°04' 108°20'

Big Horn County

42. Unnamed prospects. Jones, 1952. 45°26' 108°07'

Wilbax and Fallon Counties

43. Cox and Neary Ranches. 46°39' 104°03'

Fallon County

44. Waldron, Cox, and Stark leases (partly in North Dakota). 46°36' 104°05'

Carter County

45. SE part Ekalaka lignite field. Gill, 1959. 45°48' 104°27'
46. Northeast Long Pine Hills. Denson, Bachman, and Zeller, 1959. 45°45' 104°12'
47. School Section. Gill, 1954. 45°40' 104°04'
48. Vada Dee claims. Gill, 1954. 45°39' 104°12'
49. SW Long Pine Hills, Lewis claims, Sand Creek claims, Maverick claims, and Little Joe claims. 45°37' 104°17'

Locality Index (cont'd.)

MONTANA (cont'd.)

Carter County (cont'd.)

50. Richardson Ranch. 45°08' 104°56'

NEBRASKA

Sheridan County

1. Craig lease. 42°52' 102°44'

Dawes County

2. Isinglass Hill (Dunham area A). 42°57' 102°51'
Dunham, 1955.

3. Unnamed (Dunham's areas C and 42°53' 102°59'
D). Dunham, 1955.

NEVADA

Elko County

1. Prince claim. 41°41' 114°29'

2. Garnet tungsten mine. 41°48' 115°40'

3. Happy Joe No. 1. 41°46' 115°48'

4. Race Track group. 41°50' 115°57'
Hot Spot group.
Tag group.
Autunite group.
October group.

5. Hawk claim group. 41°50' 115°53'

Humboldt County

8. Moonlight mine. Taylor and Pow- 41°47' 118°10'
ers, 1955.

9. Virgin Valley opal district and 41°48' 119°06'
Tony Jack claim group. Staatz
and Bauer, 1951.

10. Blue Jack claim. 41°28' 118°52'

11. Getchell mine. Davis, 1954. 41°13' 117°15'

Pershing County

12. Majuba Hill mine. Trites and 40°40' 118°27'
Thurston, 1958.

13. Stalin's Present. Staatz, 1954. 40°25' 118°12'

14. Pancho, Butch, and Doris claims. 40°06' 119°15'

15. Two Chuckers claim. 40°02' 119°13'

16. Long Lease. Davis, 1954. 40°05' 118°23'

Lander County

17. Pinto-Hart claim groups. 39°53' 117°08'

18. Boone uranium claims. 39°46' 117°03'

19. Early Day claims (Apex Miner- 39°27' 117°06'
als Co.) and Eldorado claims.
Thurlow, 1956.

20. Low Boy claims. 39°25' 116°59'

NEVADA (cont'd.)

Churchill County

21. Lovelock and Nickel mines. 39°59' 117°54'
Davis, 1954.

22. KD claim group. 39°41' 118°15'

23. Chalk Mountain mine. Davis, 39°19' 118°07'
1954.

24. Gamma lignite prospect. Staatz 39°13' 117°46'
and Bauer, 1954.

Washoe County

25. Hopeless claim. 39°58' 119°44'

26. Lava No. 9 claim. 39°58' 119°54'

27. Go-Getter and Pup claims, Tick 39°54' 119°51'
Canyon claim group, and Divide
claims.

28. Red Bluff mine, Armstrong 39°53' 119°41'
claim, and Lowary claims.

29. Thunderbird claim, Lost Part- 39°48' 119°36'
ner group, and Bing claim group.

30. Buckhorn claims. Hetland, 1955. 39°50' 120°00'

31. O'Blarney claims. 39°45' 119°57'

32. Good Luck claims. 39°43' 119°43'

Ormsby County

33. Sally claims. 39°10' 119°38'

34. Eight Spot claims. 39°08' 119°45'

Lyon County

35. Glacier King No. 1. 39°14' 119°41'

36. Little Red Head claim group. 39°06' 119°01'

37. White Rose claims. 38°44' 119°05'

38. Willys claim groups and Silver 38°30' 118°59'
Pick claim. Staatz and Bauer,
1953.

39. River Road claim. 38°29' 118°54'

Mineral County

40. Robinson claims and Bubbles 39°03' 118°38'
claim. Davis, 1954.

41. Contact claim group. 38°58' 118°15'

42. Eureka claim group. 38°29' 117°58'

43. Iron Gate claim group. 38°25' 118°10'

44. Holiday mine. 38°35' 118°18'

45. Carol R mine. Davis and Hetland, 38°31' 118°27'
1956.

46. Sunrise claims. 38°23' 118°44'

47. Silver Star mine. 38°20' 118°40'

48. Lucky Horseshoe claim. 38°17' 118°25'

Locality Index (cont'd.)

NEVADA (cont'd.)

Mineral County (cont'd.)

49. Silver Bell claim group and Silver State claim. 38°13' 118°25'

Esmeralda County

50. Silver Queen claim and Garibaldi claim group. Davis and Hetland, 1956. 38°05' 117°17'

51. Coaldale deposit. Duncan, 1953. 38°00' 117°52'

52. Gap Strike, Sammy, and Wolf claim groups. 37°58' 117°57'

53. Jet claim group. 37°54' 117°34'

54. Checkmate No. 1 claim. 37°18' 117°20'

Nye County

55. Unnamed. 38°56' 116°53'

56. Unnamed. 38°52' 116°52'

57. Nyemin claim group. 38°55' 118°10'

58. Four Aces and Joker. 38°43' 116°59'

59. Henebergh claim group and Green Top claim. King and Roberts, 1954. 38°41' 117°04'

60. Bluebird No. 1 claim and Night-hawk claim group. 38°36' 116°56'

61. Currant (Roberts, Thor) claims. Davis, 1954. 38°45' 115°28'

62. Shoe-Shoe mine. 38°21' 115°36'

63. First Strike claim. 38°19' 115°31'

64. Jeep, Lincoln, and Bobby-Jack claims. Davis and Hetland, 1956. 38°08' 117°18'

65. Black Bart extension. 36°57' 116°47'

66. National Bank claim group. 36°54' 116°49'

Lincoln County

67. Blue Bird mine and Atlanta mine. Sharp and Myerson, 1956; Staatz and Johnson, 1954. 38°27' 114°21'

68. White Cloud claim, Pay Zone claim, and Dorothy claim. Davis and Hetland, 1956. 37°48' 114°22'

Clark County

69. Golden Glow and Carnotite Lode claims. 36°32' 114°30'

70. First Chance claim group and Long Shot No. 1 claim. 36°21' 114°06'

71. Big Horn claims. 35°49' 114°59'

72. Little Snake and Purple claims and Unnamed near Sloan. 35°56' 115°15'

73. Lakeview claim. Hewett, 1923. 35°50' 115°18'

NEVADA (cont'd.)

Clark County (cont'd.)

74. Paradise claim. 35°54' 115°34'

75. Green Monster. Lovering, 1954. 35°53' 115°39'

76. Alice No. 2 claim. 35°51' 115°30'

77. Singer mine and Copper Flower quartz mine. Lovering, 1954. 35°47' 115°32'

NEW JERSEY

Passaic County

1. Ringwood mine. 41°08' 74°16'

Morris County

2. Name unknown, Riverdale locality. 40°59' 74°19'

Sussex County

3. Cranberry Lake vicinity. 40°57' 74°43'

Warren County and Northampton County, Pa.

4. Rock Products Co., quarry, N. J., and Williams quarry, Pa. McKeown and Klemic, 1953. 40°43' 75°11'

Hunterdon County

5. M. C. Mulligan and Sons quarry. McKeown and Klemic, 1953. 40°38' 74°55'

6. Stockton deposit, Reading School, Raven Rock quarry, Lipman quarry, and Kieffer quarry (last two in Bucks County, Pa.). 40°25' 75°01'

NEW MEXICO

Colfax County

1. Blasted Pine claims. 36°35' 104°14'

Rio Arriba County

9. Name unknown. 36°26' 105°58'

10. Tusas Mountain area. Everhart, 1956. 36°39' 106°09'

11. Vargas-Jarmillo. 36°25' 106°03'

12. Lucky Dog group. 36°22' 106°26'

13. Trejo and Sanches No. 1. 36°18' 106°19'

14. Corral No. 1, E and B group, and State Lease sec. 16. 36°12' 106°52'

15. Arroyo del Agua. Gabelman, 1956b. 36°06' 106°36'

16. Hillfoot No. 1, Red Bird, and Red Head No. 2. 36°09' 106°39'

17. Wasson (Box Canyon). 36°11' 106°30'

18. R. A. Nos. 1 and 2. 36°03' 106°42'

San Juan County

20. Kimbeto T. P. prospect. 36°12' 107°52'

Locality Index (cont'd.)

NEW MEXICO (cont'd.)

San Juan County (cont'd.)

21. Chitton and Son.	36°57'	107°54'
23. Boyd.	36°49'	108°25'
26. B. B., Canyon, Rocky, and others. Stokes, 1951.	36°48'	109°01'
27. Eastside mines. Stockes, 1951.	36°43'	109°01'
28. Beautiful Mountain. Bachman and Read, 1952.	36°28'	108°56'
29. Enos Johnson group, Tyler claim, and other mines. Isachsen, Mitcham, and Wood, 1955.	36°24'	109°00'
30. Adee B. Dodge and other prospects.	36°13'	108°52'

McKinley County

35. Hogback No. 4. Gabelman, 1956a.	35°33'	108°41'
36. Becenti and Diamond No. 2. Gabelman, 1956a.	35°29'	108°39'
37. Church Rock mine.	35°37'	108°32'
38. C. D. and S.	35°34'	108°36'
39. Foutz group and Westwater No. 1. Hilpert and Corey, 1955.	35°33'	108°32'
40. Dalton Pass area.	35°40'	108°20'
41. Hosta Butte area.	35°35'	108°12'
42. Last Chance No. 2 and Tietjen-Lewis No. 2.	35°28'	108°16'
43. Eagle groups.	35°26'	108°10'
44. Silver Bit group.	35°27'	108°06'
45. Alta, Evelyn, Section 19, T. 14 N., R. 11 W., and others. Hilpert and Corey, 1955.	35°26'	108°01'
46. Haystack area. Gabelman, 1956b.	35°20'	107°56'
47. Silver Spur group and others. Gabelman, 1956a.	35°24'	107°56'
48. Dysart No. 1, Sections 10 and 15, T. 14 N., R. 10 W., and others. Gabelman, Young, and Ealy, 1956.	35°27'	107°51'
49. Kermac-Pacific, Section 32, T. 14 N., R. 9 W., and others. Gabelman, Young, and Ealy, 1956.	35°24'	107°48'
50. Cliffside and others. Gabelman, Young, and Ealy, 1956.	35°24'	107°44'
51. Poison Canyon mines, Section 25, T. 13 N., R. 10 W., and others. Dodd, 1956.	35°20'	107°50'
52. Marquez, Section 30, T. 13 N., R. 8 W., and others.	35°20'	107°44'
53. Green Peak 20 or 21.	35°28'	107°47'
54. Black Jack No. 1.	35°32'	108°10'

NEW MEXICO (cont'd.)

Sandoval County

60. Dory.	35°17'	107°12'
61. La Ventana Mesa. Bachman, Vine, Read, and Moore, 1959.	35°50'	106°57'
62. Butler and Mauldin claim. Gabelman, 1956a.	35°52'	106°54'
63. Name unknown.	35°43'	106°53'
64. Collins.	35°40'	106°54'
65. Don Dial Exploration.	35°26'	106°20'
66. Mimi No. 4.	35°18'	106°18'
67. Spanish Queen. Gott and Erickson, 1952.	35°39'	106°44'
68. Name unknown.	35°31'	106°53'

Santa Fe County

70. Gilliland.	35°58'	105°57'
71. Rogers and others. Hilpert and Corey, 1955.	35°57'	106°02'
72. Name unknown.	35°55'	106°00'
73. Cuyamungue area.	35°52'	106°00'
74. Name unknown.	35°50'	105°57'
75. La Bajada.	35°31'	106°12'
76. Name unknown.	35°15'	105°53'

Mora County

80. Coyote district. Tschanz, Laub, and Fuller, 1958.	36°07'	105°13'
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San Miguel County

85. Name unknown.	35°42'	105°26'
86. Windy No. 9.	35°40'	104°30'
87. Hunt Oil Co. lease. Baltz, 1955.	35°40'	104°25'
88. Hammontree-Burns and San Carlos Uranium Co.	35°43'	104°27'
89. C. Lujan ranch.	35°41'	104°20'
90. Neafus (Santa Rosa).	35°14'	104°26'

Quay County

95. Bel Oro (Bell?). Griggs, 1954.	35°10'	103°55'
96. Breen.	35°13'	103°47'
97. Troutman ranch.	35°13'	103°31'
98. Little Rattlesnake Mining Co.	35°11'	103°25'
99. Gilstrap-Truesdale and name unknown.	35°04'	103°27'
100. Wallace Ranch.	34°59'	103°27'
101. Lucky group.	34°52'	103°35'

Torrance County

105. Thomas and Melbourn and Cop-	34°33'	106°25'
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Locality Index (cont'd.)

NEW MEXICO (cont'd.)

Torrance County (cont'd.)

per Girl.

106. Abo Mining Co., Pioneer, and other prospects. 34°29' 106°24'
107. Uranium prospect. Gibson, 1952. 34°25' 106°24'

Bernalillo County

110. White-Lovelace claims. 35°00' 106°54'
111. Name unknown. 35°04' 106°23'

Valencia County

115. Chaves (Canoncito). Moench and Schlee, 1957. 35°04' 107°08'
116. Jackpile and Woodrow. Hilpert and Moench, 1958. 35°08' 107°19'
117. Sandy. Hilpert and Moench, 1958. 34°59' 107°21'
118. Crackpot. Gabelman, 1956b. 34°56' 107°23'
119. Sonora group. 34°51' 107°19'
120. Balo and Paisano. 34°52' 107°29'
121. Paraje. Hilpert and Corey, 1955. 35°01' 107°30'
122. Horace and Quemazon. 35°07' 107°47'
123. Cedar No. 1, F-33 (sec. 33, T. 12 N., R. 9 W.), and others. Hilpert and Moench, 1958. 35°11' 107°48'
124. La Jara, Red Bluff group, and others. Hilpert and Corey, 1955. 35°17' 107°47'
125. Ingerson Copper and others. Hilpert and Corey, 1955. 35°11' 108°09'

Catron County

130. Baby mine. 33°25' 108°50'
131. Midnight No. 2 (McPhaul ranch) and Red Basin (Tietzen). Griggs and Baltz, 1955. 34°24' 107°56'
132. Names unknown. 34°22' 107°51'
133. Hogback No. 4. Griggs and Baltz, 1955. 34°28' 108°30'

Socorro County

140. Hook Ranch. Griggs and Baltz, 1955. 34°18' 107°25'
141. Riley area. Hilpert and Corey, 1955. 34°20' 107°16'
142. Charlie (Jeeter) No. 2. Hilpert and Corey, 1955. 34°26' 107°01'
143. Name unknown. Hilpert and Corey, 1955. 34°14' 107°02'
144. Carter-Tolliver-Cook. Hilpert and Corey, 1955. 34°09' 106°59'

NEW MEXICO (cont'd.)

Socorro County (cont'd.)

145. Polvadera Mountain area. Collins and Smith, 1956. 34°13' 106°59'
146. Aqua Torres and Marie. 34°14' 106°41'
147. Lucky Don. Birdseye, 1955. 34°05' 106°42'
148. Contreras Mining Co. Gibson, 1952. 34°26' 106°27'

Lincoln County

150. Prince mine. Walker and Osterwald, 1956. 33°48' 105°46'
151. Silvertone claim. 33°36' 105°28'
152. Name unknown. 33°42' 105°55'

Lea County

155. Moreland and Hooper. Waltman, 1954. 32°40' 103°26'

Eddy County

160. Rocky Arroyo area. Anderson, 1955. 32°28' 104°31'

Dona Ana County

165. Jordan. 32°37' 107°00'
166. Names unknown. 32°12' 106°35'

Sierra County

170. Pitchblende claims. Everhart, 1956. 33°25' 107°25'
171. Red Tiger. 33°13' 107°31'
172. Mitchell-Price group and others. 33°17' 107°36'
173. Empire group. 33°27' 107°38'

Grant County

176. Prince Albert No. 1. 32°46' 108°33'
177. Black Hawk district. Lovering, 1956. 32°43' 108°30'
178. Oil Center Tool Co. 32°44' 108°24'
179. Apache Trail. Lovering, 1956. 32°36' 108°21'
180. White Signal district. Lovering, 1956. 32°33' 108°23'
181. Hines No. 1. Lovering, 1956. 32°27' 108°19'
182. Langford. Lovering, 1956. 32°22' 108°31'

Luna County

185. Name unknown. 32°34' 107°44'
186. High Hope group. 31°47' 107°55'

NEW YORK

St. Lawrence County

1. Occurrences near Star Lake. 44°10' 75°02'

Locality Index (cont'd.)

NEW YORK (cont'd.)

Lewis County

2. Greig vicinity. 43°39' 75°22'

Putnam County

3. Phillips mine. Klemic and others, 1959. 41°19' 73°57'

Orange County

4. Unnamed. 41°21' 74°00'
5. Clove mine. 41°19' 74°12'
6. Ramapo Uranium Corp. property (Miles Standish iron mine) and Rayner mines. Eng. Mining Jour., 1957a. 41°13' 74°20'

NORTH CAROLINA

Avery County

1. Lost Cove Creek deposit, Harper Creek deposit, and unnamed occurrences in same vicinity. 36°01' 81°49'

NORTH DAKOTA

McKenzie County

1. Killdeer Mountain. Gill, 1955. 47°21' 103°08'

Stark County

2. M. Gabbert property. U. S. Atomic Energy Comm., 1956. 46°40' 102°37'
3. N. Little Badlands area. Moore, Melin, and Kepferle, 1959. 46°50' 102°58'
4. W. Cymbaluk ranch. U. S. Atomic Energy Comm., 1956. 46°58' 103°09'

Billings County

5. Anheluk ranch. U. S. Atomic Energy Comm., 1956. 47°06' 103°19'
6. Klym School area. 47°06' 103°11'
7. Bodnaruk ranch and Oyhus ranch. U. S. Atomic Energy Comm., 1956. 47°03' 103°17'
8. North Belfield area, Rodokowski ranch, Lindbo ranch, Hecker ranch, Safratowich ranch, and Frank ranch (Stark County). U. S. Atomic Energy Comm., 1956. 46°59' 103°13'
9. Marthien School area U. S. reacquired (Ohio Oil, Johnson mine). U. S. Atomic Energy Comm., 1956. 46°58' 103°18'
10. L. E. Smith Nos. 1, 2, and 3, L. Zorohal lease, A. Fugere ranch, J. Geary lease, Cecil Geary ranch, H. A. Paasch No. 1 U. S. Government reacquired. 46°42' 103°21'

NORTH DAKOTA (cont'd.)

Billings County (cont'd.)

- U. S. Atomic Energy Comm., 1956.
11. C. Smith ranch, A. Schwartz ranch, State land, W. Schwartz ranch, U. S. reacquired land. U. S. Atomic Energy Comm., 1956. 46°42' 103°16'
12. South Rocky Ridge area (Lutheran Church leases) and Hurick No. 1 (Slope County). U. S. Atomic Energy Comm., 1956. 46°38' 103°17'
13. Bullion Butte area. Moore, Melin, and Kepferle, 1959. 46°40' 103°36'

Golden Valley County

14. Flat Top Butte area. 46°52' 103°42'
15. Sentinel Butte area. Moore, Melin, and Kepferle, 1959. 46°53' 103°51'

Slope County

17. H. T. and Slide Buttes. Moore, Melin, and Kepferle, 1959. 46°24' 103°25'
18. N. Chalky Buttes area. Moore, Melin, and Kepferle, 1959. 46°25' 103°21'
19. S. Chalky Buttes area. Moore, Melin, and Kepferle, 1959. 46°22' 103°19'

Adams County

20. Whetstone Buttes area. Gill, 1955. 46°13' 102°58'

Bowman County

21. Rhame area. Gill, 1954. 46°13' 103°38'
22. Sec. 21 occurrence. Denson, Bachman, and Zeller, 1959. 46°10' 103°34'
23. SW. Medecine pole area. Denson, Bachman, and Zeller, 1959. 46°07' 130°09'

OKLAHOMA

Pawnee County

1. Lee Uto prospect. Hill, 1953. 36°24' 96°54'

Roger Mills County

2. Western Oklahoma Uranium Partnership. 35°36' 99°53'

Custer County

3. Red Rock Co. claims (E. K. Gunter, et al, Thorpe property) and Dippel property (E. K. Gunter, lessee). 35°30' 99°08'

Washita County

4. Unnamed prospect, Western Oklahoma Uranium Partnership. 35°27' 99°00'

Locality Index (cont'd.)

OKLAHOMA (cont'd.)

Beckham County

5. Miller-Curtis property. 35°15' 99°29'

Caddo County

6. Cement deposit. McKay and Hyden, 1956. 34°54' 98°08'

Tillman County

10. Mathias and Oberlander. 34°28' 98°50'

Cotton County

11. Byars property and Randlett property (Eastman property). Branson, Burwell, and Chase, 1955. 34°28' 98°50'

Jefferson County

12. Miller Ranch. Branson, Burwell, and Chase, 1955. 34°08' 98°05'

13. Eisele prospect. 34°06' 98°01'

Johnston County

15. Angel property. 34°15' 96°28'

OREGON

Union County

1. Tungs Ore group. 45°07' 117°24'

Clackamas County

2. Johnson and Laird. 45°03' 122°35'

Marion County

3. Rhoten and Speerstra. Schafer, 1956. 44°54' 123°07'

Crook County

4. Powell Butte. Schafer, 1956. 44°11' 121°00'

5. Game Guides group. Schafer, 1956. 44°10' 120°41'

6. Sage Hollow and Bear Creek. Schafer, 1956. 43°59' 120°44'

Jackson County

7. Board Mountain group and Canyon Creek group. 42°38' 122°53'

8. Shaknis farm. 42°30' 123°01'

Lake County

9. Marty K. Matthews, 1955. 42°22' 120°34'

10. White King mine and Lucky Lass. Schafer, 1955. 42°20' 120°31'

Harney County

11. Pike Creek Carnotite and Alex- 42°35' 118°33'

OREGON (cont'd.)

Harney County (cont'd.)

Ladd. Schafer, 1956.

Malheur County

12. Valley View. Matthews, 1955. 43°43' 117°22'

PENNSYLVANIA

Bradford County

1. Pridmore. 41°36' 76°26'

Sullivan County

2. Meyers property. 41°19' 76°35'

Lycoming County

3. Shoemaker property and Cleon Meyer property. 41°18' 76°36'

Columbia County

4. Fritz property and Buttles property. 41°17' 76°23'

5. Grimes property. 40°57' 76°29'

Luzerne County

6. Unknown quarry. 41°13' 75°51'

Carbon County

7. Fourth run occurrence. 41°03' 75°41'

8. Penn Haven Junction (Butcher Hollow). Klemic and Baker, 1954. 40°56' 75°45'

9. Mount Pisgah (Mauch Chunk, Jim Thorpe). Dyson, 1954; Klemic and Baker, 1954. 40°52' 75°45'

Schuykill County

10. Atlas Powder Co. property. 40°43' 76°00'

Bucks County

Kieffer and Lipman quarries (see New Jersey No. 6).

Northumberland County

11. Hummel. 40°43' 76°48'

Berks County

12. Rohrback prospect. 40°26' 75°42'

Dauphin County

13. Unnamed prospect. 40°22' 76°51'

Huntingdon County

14. Martin property (Territo property). 40°13' 78°06'

15. Maddensville occurrence. 40°08' 77°59'

Locality Index (cont'd.)

PENNSYLVANIA (cont'd.)

Fulton County

16. Roadside. 40°03' 78°03'

Bedford County

17. Juniata occurrence. 40°00' 78°17'

SOUTH DAKOTA

Perkins County

1. Unnamed. Denson, Bachman, and Zeller, 1959. 45°46' 102°41'

Harding County

2. Tepee Butte area. Gill, 1954. 45°53' 103°18'

3. Flat Top Butte claims and McCurdy lease. King, Foran, and Speal, 1955; U. S. Atomic Energy Comm., 1956. 45°50' 103°22'

4. Riley Pass area, Relfmine, Mink, Jim, Windy claims, Kiewit claims, Eyrich claims, Becky claims, Bone claim, Pickpecket claim, Hawkeye claim, Billy Dale claims, Snake Eye claims, and Cedar Butte claims. King and Young, 1956; Pipingos, 1957; U. S. Atomic Energy Comm., 1956. 45°50' 103°28'

5. Cub Lode, Last Chance, Hoop and Holler, and Jack claim. Pipingos, 1957. 45°51' 103°33'

6. Table Mountain claims. 45°54' 103°39'

7. Lonesome Pete mine, Jeffry Lynn claims, Jones Creek claims, Boot Creek claims, Wildcat claims, and Buddy claims. Kepferle and Chisholm, 1956; King and Young, 1956; U. S. Atomic Energy Comm., 1956. 45°45' 103°35'

8. Blue Jay claims, Carbonate claims, Ruth Marie claims, Eleanor claims, D No. 2 claims, and Daisy Mae No. 6. Kepferle and Chisholm, 1956; King and Young, 1956; U. S. Atomic Energy Comm., 1956. 45°44' 103°32'

9. McKensie Butte and Rattlesnake Butte. Denson, Bachman, and Zeller, 1959. 45°41' 103°32'

10. Sec. 21 occurrences. Denson, Bachman, and Zeller, 1959. 45°41' 103°38'

11. Falcon group. U. S. Atomic Energy Comm., 1956. 45°37' 103°47'

12. Calamity Jane group. U. S. Atomic Energy Comm., 1956. 45°36' 103°13'

13. Bar H area. Denson, Bachman, 45°35' 103°09'

SOUTH DAKOTA (cont'd.)

Harding County (cont'd.)

and Zeller, 1959.

14. Thybo, Robbins lease, Potato Creek No. 1, and Red claims. Gill, 1955. 45°32' 103°08'

15. Rattlesnake group, Bobcat group, and Mendenhall mine area. Denson, Bachman, and Zeller, 1959; U. S. Atomic Energy Comm., 1956. 45°30' 103°13'

16. Dot No. 1 claim. U. S. Atomic Energy Comm., 1956. 45°28' 103°09'

17. Flat Top Butte and Finger Buttes group. U. S. Atomic Energy Comm., 1956. 45°24' 103°04'

18. Cedar Canyon area and State lease. Gill and Moore, 1955; U. S. Atomic Energy Comm., 1956. 45°22' 103°10'

19. Quad claim group, Cap claim group, Ruth Lode claim group, Hilltop claim group, Marie claim, Twin No. 2, Lucky Strike claim group, Cattail claim group, Trio Lode claim group, Hinds claim group, Divide claim group, Canyon claim group, and Moonshine claim group. King and Young, 1956; U. S. Atomic Energy Comm., 1956. 45°21' 103°05'

20. West Short Pine Hills area. Gill, 1955. 45°25' 103°57'

Butte County

21. Kling lease, Bonato lease, Ap-land lease, McKay ranch, and Engleson ranch. Vickers, 1957. 44°37' 103°57'

Meade County

22. Unnamed, U. S. Government land and Lamberton prospect. Vickers, 1955. 44°24' 103°28'

Lawrence County

23. Mill Lode claims (Annie Creek autunite occurrence, Budzynski prospect), Ross Hannibal mine, and others nearby. Vickers, 1954; Ziegler, 1914. 44°20' 103°51'

Pennington County

24. Caylor-Preston ranch. 43°52' 103°13'

25. Kool, Dakota prospect, Grizzly Creek, and Dorothea. 43°52' 103°29'

26. Harney No. 2 prospect. 43°52' 103°34'

27. Rube claims (Baxter lease), Hart Table, and Sec. 36 occurrence. 43°45' 102°39'

Locality Index (cont'd.)

SOUTH DAKOTA (cont'd.)

Pennington County (cont'd.)

Moore and Levish, 1955.

28. Sec. 7 occurrence. Moore and Levish, 1955. 43°43' 102°37'

Custer County

29. Elkhorn No. 1. 43°47' 103°30'
30. Lost Canyon No. 1 mine and others nearby. Braddock, 1957. 43°32' 104°00'
31. Jim Rab claim. 43°32' 103°56'
32. Lucky Bud and Bud (Triangle mine), Wicker-Baldwin, Lakota Lode No. 11, and Freezeout No. 4. Schnabel, 1957. 43°29' 103°58'

Fall River County

33. Darnell lease and Hot Brook Canyon area. Bell and Bales, 1955. 43°27' 103°30'
34. Coal Canyon group, Trail Fraction, Ridge Runner group, Road Hog group, Verde, Lucky group, Virginia C, Valley View, and Taylor lease. Bell and Bales, 1955; Braddock, 1955. 43°26' 103°52'
35. Hot Point Group, Flora, Gertrude Group, Pictograph, Lucky Toss, Green Slipper Group, Clarabel group, Green Acre group, Holdup group, Kados, Cycad, Matias Peak group, and Too Late. Bell and Bales, 1955; Braddock, 1955. 43°25' 103°46'
36. Runge mine. Wilmarth and Gott, 1958. 43°23' 103°49'
37. Gould lease, Marty's Timber group, Pabst No. 3, Chilson Canyon No. 1, Mary Jack group, Crandall, Lion group, McKnight No. 1, and Gull lease. Braddock, 1955; Gott and others, 1956. 43°22' 103°43'
38. Damsite Group, Washboard group, Accidental group, Lord lease, and Baxter. Braddock, 1955. 43°18' 103°41'
39. Canyon lode. Post, 1956. 43°19' 103°34'
40. Lake No. 1. Post, 1956. 43°16' 103°31'

TENNESSEE

Carter County

1. Row Branch prospect and Walnut Mountain prospect. 36°18' 82°01'

TEXAS

Oldham County

1. Hart-Mansfield ranch. 35°25' 102°20'

Briscoe County

3. Saul ranch. 34°23' 101°10'

Wilbarger County

4. Unnamed prospect. 34°13' 99°28'
5. Unnamed prospect. 34°05' 99°28'

Wichita County

6. Unnamed prospect. Eargle and McKay, 1956. 33°52' 98°52'

Clay County

7. Unnamed prospect. Eargle and McKay, 1956. 33°56' 98°13'
8. Unnamed prospect. 33°52' 98°01'

Montague County

9. Unnamed prospect. 33°54' 97°36'
10. Unnamed prospect. 33°51' 97°56'

Archer County

11. Unnamed prospect. Eargle and McKay, 1956. 33°44' 98°37'
12. Unnamed prospect. Eargle and McKay, 1956. 33°42' 98°28'
13. Unnamed prospect and George Taylor ranch. Eargle and McKay, 1956. 33°36' 98°38'

Kent County

14. McArthur ranch. 33°23' 101°01'

Garza County

15. Swenson ranch. 33°21' 101°15'
16. Eubank ranch. 33°23' 101°19'
17. Long ranch. 33°19' 101°24'
18. Sanderson ranch. 33°17' 101°08'
19. Roddy ranch. 33°14' 101°11'
20. Kirkpatrick ranch and Post Estate. 33°08' 101°23'
21. Caprock prospect and Slaughter ranch. 33°00' 101°31'

El Paso County

23. Sparks prospect. Eargle, 1956. 31°48' 106°07'

Hudspeth County

24. Bonanza mine. 31°11' 105°30'

Locality Index (cont'd.)		
TEXAS (cont'd.)		
<u>Hudspeth County (cont'd.)</u>		
25. Rossman prospect.	31°07'	104°58'
<u>San Saba County</u>		
26. Egger ranch.	31°02'	98°36'
<u>Burnet County</u>		
27. Rainbow prospect.	30°46'	98°21'
<u>Presidio County</u>		
28. Quinn Canyon prospect. Eargle, 1956.	30°27'	104°47'
29. Morgan prospect.	30°24'	104°46'
<u>Brewster County</u>		
30. Stillwell Ranch prospect.	29°39'	102°58'
31. Big Bend Exploration.	29°40'	103°42'
32. Adobe Walls Mountain prospect.	29°29'	103°30'
<u>Fayette County</u>		
35. Browning lease.	29°47'	97°02'
36. Robinson lease.	29°42'	97°08'
<u>Gonzales County</u>		
39. Jacobs Ranch. Steinhauser and Beroni, 1955.	29°12'	97°34'
<u>Karnes County</u>		
40. Harper property. Steinhauser and Beroni, 1955.	29°04'	97°51'
41. Brysch prospect and Jaskinia prospect. Eargle and Snider, 1957.	28°59'	97°59'
42. Sczepanik prospect. Eargle and Snider, 1957.	28°55'	98°05'
43. Lyssy deposit, Korzekwa deposit (Climax Uranium Co. deposits), Bargmann, Sickenius, and Hackney (Bozo) (Tordilla Hill). Eargle and Snider, 1957.	28°53'	98°08'
44. Hoffman prospect. Eargle and Snider, 1957.	28°46'	98°00'
<u>Atascosa County</u>		
45. Thane ranch (Texas Co. lease) and Shaefer ranch. Eargle and Snider, 1957.	28°50'	98°10'
<u>Live Oak County</u>		
46. New ranch. Eargle and Snider, 1957.	28°34'	98°20'
47. McLean prospect.	28°29'	98°06'

TEXAS (cont'd.)		
<u>Duval County</u>		
48. Pursch ranch.	28°03'	98°31'
49. Wiederkehr ranch. Steinhauser and Beroni, 1955.	27°56'	98°38'
50. Peters ranch. Steinhauser and Beroni, 1955.	27°42'	98°47'
51. Palangana dome. Russell, 1958.	27°42'	98°25'
52. Piedras Pintas dome.	27°38'	98°24'
<u>Starr County</u>		
53. Salinas ranch.	26°39'	98°52'
54. Munoz-Rodriguez ranch.	26°34'	98°51'
55. Kelsey ranch.	26°27'	98°51'
UTAH		
<u>Weber County</u>		
1. Kathy Ann claim.	41°20'	111°56'
<u>Tooele County</u>		
10. Silver King prospect. Hillier, 1956.	39°59'	112°33'
<u>Salt Lake County</u>		
15. North Bingham mine.	40°36'	112°09'
<u>Summit County</u>		
20. MBC No. 6 and Uranium Queen.	41°08'	111°12'
21. Big K.	40°46'	111°24'
<u>Daggett County</u>		
25. Name unknown.	40°56'	109°44'
26. Dutch John Nos. 1 and 3.	40°58'	109°26'
27. Yellow Canary. Wilmarth, 1953.	40°56'	109°14'
28. Name unknown.	40°56'	109°52'
29. Name unknown.	40°57'	109°36'
<u>Uintah County</u>		
35. Blackie No. 1.	40°33'	109°47'
36. Steinaker Draw. Vine and Moore, 1952.	40°34'	109°30'
37. Jensen Draw and Miracle prospect.	40°29'	109°23'
38. Devil group and Satin group.	40°24'	109°31'
39. Eagle Nest group.	40°23'	109°13'
40. Bonnie Bell and Snow. Beroni and McKeown, 1952.	40°18'	109°14'
41. Names unknown.	40°37'	109°26'
42. Colute Mining Co. claims.	40°16'	109°03'
43. Happy Landing group.	40°06'	109°36'

Locality Index (cont'd.)

UTAH (cont'd.)

Uintah County (cont'd.)

44. Keg.	40°03' 109°45'
45. Canary Bird, Eagle Nest, and Eureka group.	40°04' 109°54'
46. Split Canyon.	40°03' 109°58'
47. Blue Sky No. 1.	40°07' 109°53'
48. Blanca No. 1 and Tokay No. 9.	39°54' 109°26'
49. Horse Ear.	39°51' 109°40'
50. Willow Creek.	39°55' 109°36'
51. Blue Knolls No. 28.	39°44' 109°42'

Duchesne County

55. Lone Peaks.	40°04' 110°02'
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Juab County

60. Bell group, Honeycomb Hills, and Spider group. Staatz and Bauer, 1950.	39°39' 113°39'
61. Orin Porter Rockwell.	39°47' 112°37'
62. Autunite No. 8.	39°44' 113°06'
63. Bell Hill, Dell group, Eagle Rock, Floride (Spor) mine, Lost Sheep, and Yellow Chief. Staatz and Osterwald, 1959; Thurston and others, 1954.	39°44' 113°11'
64. Goodwill. Staatz, 1955.	39°44' 113°16'

San Pete County

70. Cotton No. 1 and Hot Spot.	39°14' 111°46'
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Emery County

75. Helm.	38°38' 111°15'
76. Dog group.	38°50' 111°09'
77. Name unknown.	39°00' 111°01'
78. Copper Rock No. 1 and White Star No. 8.	39°04' 110°57'
79. South Rim No. 1.	39°12' 110°45'
80. Buckhorn group. Johnson, 1957.	39°05' 110°39'
81. Dalton, Dexter, and Lone Tree. Johnson, 1957.	39°03' 110°43'
82. Wickiup group. Johnson, 1957.	38°53' 110°43'
83. Consolidated group, Green Vein group, and Little Joe prospect. Johnson, 1957; Kerr, 1958b.	38°47' 110°50'
84. Lucky Strike group. Kerr, 1958b.	38°45' 110°57'
85. Dirty Devil group. Kerr, 1958b.	38°41' 110°59'
86. Delta mine. Isachsen and Even- sen, 1956; Kerr, 1958b.	38°34' 110°57'
87. Little Wild Horse group. John- son, 1957.	38°38' 110°47'

UTAH (cont'd.)

Emery County (cont'd.)

88. Temple Mountain area. Johnson, 1957.	38°41' 110°42'
89. Name unknown.	38°43' 110°37'
90. Cliff Dweller. Johnson, 1957.	38°47' 110°31'
91. Name unknown. Johnson, 1957.	38°56' 110°27'
92. Names unknown. Johnson, 1957.	39°03' 110°34'
93. Green Tree mine.	39°02' 110°22'
94. Betty A, Vanura group, Wedding Bell, and other mines. Clark and Million, 1956.	38°58' 110°22'
95. Bear Claw, Cat Bird group, Yellow Queen group, and other mines.	38°54' 110°23'
96. Nona Bee group, School Sections 2 and 36, and other mines. John- son and Thordarson, 1957.	38°50' 110°20'
97. Mohawk and other prospects.	38°50' 110°13'
98. Copper King prospect.	38°50' 110°08'
99. Little Wild Horse Mesa. Bout- well, 1905.	38°34' 110°49'
<u>Grand County</u>	
100. Lion No. 5.	39°15' 109°50'
101. Pine Tree No. 1.	39°03' 109°46'
102. Sunday mine.	38°50' 109°57'
103. Eagle and other mines.	38°52' 109°44'
104. Antelope and other mines.	38°51' 109°38'
105. Allor group, Parco group, Yel- low Cat group, and other mines. Stokes, 1952; Stokes and Mobley, 1954.	38°50' 109°33'
106. Cactus Rat group and other mines. Stokes, 1952.	38°52' 109°27'
107. Squaw Park and other mines. Stokes, 1952; Stokes and Mob- ley, 1954.	38°51' 109°21'
108. Junction group and other mines.	38°50' 109°16'
109. Glory Hole, Sand Flat, and other prospects.	38°47' 109°12'
110. Polar Mesa mines. Stokes and others, 1945.	38°41' 109°08'
111. Corvusite group and other mines. Stokes and others, 1945.	38°37' 109°05'
112. Red Head group. Boutwell, 1905.	38°42' 109°21'
113. Cobalt No. 1 and Slick Rock group.	38°48' 109°42'
114. Dime, Shinarump, and other mines. Finch, 1954.	38°41' 109°41'
115. Copper and Copper King groups.	38°38' 109°40'
116. Danise and other mines.	38°36' 109°59'

Locality Index (cont'd.)

UTAH (cont'd.)

Grand County (cont'd.)

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| 117. "A" and Mineral groups and other mines. | 38°32' | 109°58' |
| 118. North Mesa group, Skeeter, and other mines. | 38°33' | 109°20' |
| 119. Mile High group. | 38°31' | 109°42' |

San Juan County

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|---|--------|---------|
| 120. Taylor Canyon group. | 38°28' | 109°54' |
| 121. Discovery No. 2 and other mines. | 38°30' | 109°46' |
| 122. Blue Goose group, Brumley Ridge, Chess Ridge group, Sure Fire group, and other mines. | 38°28' | 109°20' |
| 123. Fault No. 1, Lucky Strike No. 1, and other mines. | 38°25' | 109°27' |
| 124. Carol B, Sunflower-Snow Flake, Yellow Circle group, and other mines. Huleatt and others, 1946. | 38°24' | 109°22' |
| 125. Blue Jay, Magee, Prince Albert, and other mines. | 38°21' | 109°23' |
| 126. Rattlesnake mine. | 38°18' | 109°20' |
| 127. Big Buck group, La Sal mine, MiVida group, and other mines. Isachsen and Evensen, 1956; Laverty and Gross, 1956. | 38°12' | 109°15' |
| 128. Divide, Section 36, Service Berry, and other mines. Gruner, Gardiner, and Smith, 1954. | 38°07' | 109°07' |
| 129. Utah and Wyoming. | 38°11' | 109°03' |
| 130. Brushy Basin group. Carter and Gualtieri, 1957. | 38°15' | 109°04' |
| 131. Grey Dawn, Vanadium Queen, and other mines. Rasor, 1952. | 38°20' | 109°05' |
| 132. Waterfall group, Wilson group, and other mines. | 38°07' | 109°13' |
| 133. Liberty group. | 38°03' | 109°04' |
| 134. Frisco group, Sunset, and other mines. | 38°03' | 109°13' |
| 135. None Such and other mines. | 38°04' | 109°18' |
| 136. Happy Jack and other mines. Huleatt, Hazen, and Traver, 1946. | 38°00' | 109°22' |
| 137. Atomic King, School Sec. 32, and other mines. Hinrichs, 1954, 1956. | 38°30' | 109°37' |
| 138. Cane Creek prospects. Hinrichs, 1956. | 38°23' | 109°30' |
| 139. High Bench group, Lockhart Lula claims, and other prospects. Dix, 1953. | 38°24' | 109°42' |

UTAH (cont'd.)

San Juan County (cont'd.)

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| 140. "C" group. de Vergie and Carlson, 1953. | 38°24' | 109°48' |
| 141. Hot Rim No. 5, Sailor group, and other prospects. | 38°20' | 109°52' |
| 142. Airlift and Pagoda. | 38°18' | 109°46' |
| 143. Cutler and Salt Cedar. Dix, 1953. | 38°14' | 109°42' |
| 144. Hart, Smith, and other deposits. Dix, 1953. | 38°13' | 109°37' |
| 145. Smokey No. 3. | 38°10' | 109°41' |
| 146. Unnamed prospect. | 38°06' | 109°45' |
| 147. Conglomerate group, Moki mine, and Royal mine. | 38°04' | 109°36' |
| 148. Horseshoe No. 1, Cottonwood, and other mines. | 37°56' | 109°38' |
| 149. Blue group. | 37°55' | 109°34' |
| 150. Antler, Indian Creek group, and other mines. | 37°56' | 109°29' |
| 151. Blue Eagle, Verdure, and other mines. | 37°47' | 109°15' |
| 152. Canary, Long Shot, and other mines. | 37°43' | 109°18' |
| 153. Cottonwood, Rock, Titus group, and other mines. | 37°41' | 109°14' |
| 154. Monument No. 2, Rusty Can, West Cliff House, and other mines. | 37°39' | 109°08' |
| 155. Blue Jay, Margaret, and other mines. | 37°34' | 109°11' |
| 156. Bradford Canyon, Joker, Leo J, and other mines. | 37°36' | 109°17' |
| 157. Lone Wolf and other mines. | 37°31' | 109°05' |
| 158. Pete, Red Hot, School Sec. 16, T. 39 S., R. 25 E. | 37°24' | 109°11' |
| 159. Tree group. | 37°28' | 109°26' |
| 160. Hole-in-the-rock and prospects. | 37°19' | 109°28' |
| 161. Sandy and Sebastapol. | 37°23' | 109°37' |
| 162. Sunshine mine. Gruner, Gardiner, and Smith, 1954. | 37°27' | 109°37' |
| 163. Goldbutte group and Lonesome group. | 37°31' | 109°37' |
| 164. Blanding district. Huleatt, Hazen, and Traver, 1946. | 37°35' | 109°36' |
| 165. Brushy. | 37°39' | 109°35' |
| 166. Good Fortune, High Hopes, Pretty Girl, and other prospects. | 37°45' | 109°34' |

Locality Index (cont'd.)

UTAH (cont'd.)

San Juan County (cont'd.)

167. King James and other mines. Laverty and Gross, 1956.	37°47'	109°42'
168. Carl, Notch group, and other mines. Laverty and Gross, 1956.	37°46'	109°46'
169. Happy Surprise, Sandy No. 3, Wooden Shoe, and other mines.	37°40'	109°55'
170. Dead Buck, Hideout mine, and other mines. Finnell and Gazdik, 1958.	37°39'	110°01'
171. Bell Nos. 1 and 2, Fry No. 4, Yellow John, and other mines. Frankovich, 1952.	37°34'	110°05'
172. Gizmo, Maybe, and other mines.	37°35'	110°09'
173. Allen No. 1, Dermis, Hershey, Copper, and other mines.	37°35'	110°14'
174. Blue Lizard, Markey, Posey, and other mines.	37°33'	110°18'
175. Nash Car and other prospects. de Vergie, 1953.	37°37'	110°10'
176. White Canyon No. 1 and other mines. Gruner, Gardiner, and Smith, 1954.	37°38'	110°06'
177. Found and other prospects.	37°41'	110°07'
178. Jacob Chair prospects. Gruner, Gardiner, and Smith, 1954.	37°44'	110°12'
179. Happy Jack and other mines. Trites and Chew, 1955.	37°44'	110°16'
180. Cub group. Gruner, Gardiner, and Smith, 1954.	37°40'	110°18'
181. Hidden Valley.	37°42'	110°24'
182. Jomac mine. Trites and Hadd, 1958.	37°52'	110°19'
183. Rincon prospect.	37°19'	110°48'
184. Whirlwind mine.	37°15'	110°27'
185. Charlie No. 1 and other prospects.	37°04'	110°29'
186. Monument No. 3 and other prospects.	37°02'	110°25'
187. Taylor Ried No. 1 and other mines.	37°02'	110°20'
188. Mitton No. 1, Skyline, and other mines.	37°01'	110°15'
189. Red Mesa Copper Pit.	37°01'	109°23'

Garfield County

190. Unnamed prospect.	37°55'	110°21'
191. Hatch Canyon prospects.	38°06'	110°17'
192. Happy Canyon prospects.	38°08'	110°22'
193. Poison Spring Canyon group.	38°06'	110°27'

UTAH (cont'd.)

Garfield County (cont'd.)

Gruner and Gardiner, 1952.

194. Colorado River group. de Vergie, 1952.	37°46'	110°28'
195. Lucky Strike group and other mines.	37°44'	110°42'
196. Delmonte group and other mines.	37°48'	110°39'
197. Walter group and other mines.	37°53'	110°37'
198. June Bell group, Trachyte group, and other mines.	37°57'	110°37'
199. Congress No. 29, Blitz group, and Trachyte group.	38°01'	110°38'
200. Congress group, Daisy June group, and other mines.	38°05'	110°38'
201. Rainy Day. Davidson, 1956.	37°48'	111°02'
202. Tulip and other prospects.	37°43'	111°00'
203. Moody claim and other prospects. Everhart, 1950.	37°40'	111°04'
204. Hot Shot No. 1, Silver Falls No. 2, Yellow Jacket, and other mines.	37°44'	111°07'
205. Black Widow. Stewart, 1956.	37°48'	111°11'
206. Pardner No. 1, Stud Horse, and other prospects. Stewart, 1956.	37°53'	111°05'
207. Lampstand and other prospects.	37°59'	111°09'
208. Centipede and other prospects.	37°58'	111°14'
209. Oak Creek prospects. Everhart, 1950.	38°06'	111°11'
210. Blue Goose and other prospects. Stewart, 1956.	37°54'	111°14'

Wayne County

215. Name unknown.	38°15'	110°41'
216. Copper Queen and Kay Hunt.	38°23'	110°39'
217. Name unknown.	38°26'	110°58'
218. Billy's Dream.	38°13'	111°05'
219. Floral Reef and others.	38°10'	111°10'
220. Oyler mine and some prospects. Gruner and Gardiner, 1952.	38°15'	111°13'
221. Birch Springs, Black's claim, and other prospects.	38°19'	111°26'

Sevier County

225. Mt. Terrel group.	38°45'	111°40'
226. Wooley group.	38°45'	111°59'
227. BBB.	38°35'	112°15'
228. Tiger Eye No. 1.	38°37'	112°21'
229. Better Bee.	38°36'	112°05'

Locality Index (cont'd.)

UTAH (cont'd.)

Sevier County (cont'd.)

230. La Veta prospect. 38°33' 112°11'

Piute County

235. Marysville district. Kerr and others, 1957. 38°30' 112°12'

236. Deer Trail, Great western mine, and Shamrock mine. Kerr, Simpson, and Hamilton, 1953. 38°24' 112°18'

237. Nucular Sniffer No. 1. 38°13' 112°08'

Beaver County

240. Little sisters group, Mystery group, and others. Wyant and Stugard, 1951. 38°26' 112°34'

241. Canary group and U-Beva. 38°23' 112°32'

242. Old Hickory-Amelias and Summit-Gotland mines. 38°27' 113°03'

243. Horn-Silver-King David. 38°27' 113°16'

244. Surprise claims. 38°17' 113°11'

245. Kay claims. 38°13' 113°30'

246. Staats mine and other mines. Thurston and others, 1954. 38°16' 113°36'

247. Commissary. 38°12' 113°51'

Iron County

250. Epsolon. Powers, 1954. 37°31' 113°12'

Washington County

255. Silver Reef district. Proctor, 1953. 37°15' 113°22'

256. Fort Pierce. Everhart, 1950. 37°02' 113°09'

257. Galiente No. 5 and other claims. 37°10' 113°02'

Kane County

260. Bullock group. Beroni and others, 1953. 37°21' 112°50'

261. Balboa. 37°11' 112°05'

262. Radiance No. 2. 37°03' 111°59'

263. Pyramid group. 37°07' 111°17'

VERMONT

Lamoille County

1. Udall mine. 44°35' 72°31'

WASHINGTON

Pend Oreille County

1. Silver Dollar. Huntting, 1957. 48°23' 117°10'

Spokane County

2. Daybreak mine (Dahl Ranch) (in-

WASHINGTON (cont'd.)

Spokane County (cont'd.)

cludes Huffman lease), Lehm-becker lease, Dahl Uranium mine, and Columbia Enterprises. Weis, Armstrong, and Rosenblum, 1958.

3. Kit Carson Uranium, Curtin, Sprague, and Smith (Target Uranium). Weis, Armstrong, and Rosenblum, 1958. 47°55' 117°11'

4. Dawn Uranium and Oil (Wisemore and Elks) and Ingram ranch. Huntting, 1957. 47°56' 117°17'

Lincoln County

5. Spokane Molybdenum mine. Weis, Armstrong and Rosenblum, 1958. 47°53' 118°10'

Stevens County

6. Big Smoke uranium, Northwest uranium, Lowley lease, and Bair lease. Becraft and Weis, 1957; Huntting, 1957. 47°52' 118°05'

7. Midnite mine, Boyd lease, Dahl Uranium mine, and Square Deal. Thurlow, 1956; Becraft and Weis, 1957; Weis, Armstrong, and Rosenblum, 1958. 47°57' 118°05'

8. Deer Mountain. Becraft and Weis, 1957. 48°00' 118°02'

9. Harp. 48°28' 117°50'

10. U & W Uranium. Huntting, 1957. 48°57' 118°10'

Snohomish County

11. Keller. Huntting, 1957. 47°57' 121°27'

12. Dewey claim. 47°55' 122°05'

WEST VIRGINIA

Webster County

1. Carpenter property. 38°29' 80°26'

WYOMING

Crook County

1. Heetland, Sisson, and Nelson properties. 44°40' 104°05'

2. Richards. 44°40' 104°12'

3. Viergutz. 44°43' 104°14'

4. Cochrun property. 44°53' 104°27'

5. Virginia No. 16. 44°53' 104°34'

6. Ackerman and other prospects. 44°47' 104°37'

7. Busfield and other mines. MacPherson, 1956. 44°48' 104°43'

8. Hulett Creek area and Hauber mine. Robinson and Goode, 1957. 44°46' 104°54'

Locality Index (cont'd.)

WYOMING (cont'd.)

Crook County (cont'd.)

9. Poison Creek. Gruner and Smith, 1955.	44°40'	104°51'
10. Wolfskill (Jubilee).	44°40'	104°46'
11. Name unknown. Vickers and Izett, 1955.	44°40'	104°41'
12. Apex.	44°22'	104°05'
13. Bear Lodge mountains.	44°29'	104°26'
14. Myers.	44°29'	104°40'
15. Carlile mine. Bergendahl and Izett, 1957, Bodine, 1954.	44°28'	104°40'
16. Cabin Creek group and other mines.	44°28'	104°53'

Campbell County

20. Christenson Ranch. Sharp and White, 1957.	44°00'	105°59'
21. Big Tar. Gruner and Smith, 1955.	44°01'	105°45'
22. Orr lease and prospects.	43°55'	105°47'
23. Blowout (119), Jeanette, and others. Grutt, 1956; Sharp and White, 1957.	43°52'	105°51'
24. Kisu mine and other mines. Gruner and Smith, 1955.	43°54'	105°55'
25. Localities 61 and 62 and others. Troyer and others, 1954.	43°51'	105°58'
26. Colorado, Joe No. 1, and other mines.	43°48'	105°52'
27. Black Star.	43°48'	105°44'
28. Axe, Gamblin West, and other mines.	43°44'	105°53'
29. Brown deposit and others. Sharp and White, 1957.	43°45'	106°00'
30. Nero and others.	43°41'	105°58'
31. Blue Hill and others.	43°40'	105°53'
32. Unnamed localities. Troyer and others, 1954.	43°37'	105°55'
33. Localities 98, 99, and 171. Troyer and others, 1954.	43°37'	105°50'
34. Triangle group and others.	43°31'	105°54'
35. Turner Crest and other mines. Finnell and Parrish, 1958.	43°31'	105°41'
36. Localities 140 and 141. Troyer and others, 1954.	43°35'	106°01'

Johnson County

41. Name unknown.	44°05'	106°58'
42. Ramsbottom prospect.	44°01'	106°52'
43. Moe No. 14 and other mines.	43°53'	106°02'

WYOMING (cont'd.)

Johnson County (cont'd.)

Sharp and White, 1957.

44. Lucky group.	43°47'	106°10'
45. Vance and other deposits.	43°47'	106°04'
46. Alice Mae and other deposits.	43°43'	106°07'
47. Ty Fy and other deposits.	43°40'	106°04'
48. Del and other mines.	43°38'	106°14'
49. Taylor and other prospects.	43°36'	106°09'
50. Hanna and other mines.	43°36'	106°05'
51. Happy 19 and other prospects. Love, 1952.	43°32'	106°05'
52. Campbell No. 1. Gruner and Smith, 1955.	43°47'	106°23'
53. Desert Queen and others. Gruner, Smith, and Knox, 1956.	43°43'	106°29'
54. Mayoworth area. Love, 1954c.	43°48'	106°49'
55. Jerrie-Marie. Gruner and Knox, 1957.	43°42'	106°50'

Washakie County

60. Gay claims.	43°55'	107°20'
61. Arlostian and others.	44°02'	107°31'
62. Scorpion claims.	44°07'	107°37'

Hot Springs County

64. Name unknown.	43°57'	108°37'
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Big Horn County

71. Fuesner mine, Modern mines, Mike mine, and Saunders mine. Hart, 1958; Hauptman, 1956.	45°00'	108°09'
72. Super Cub mine. Hart, 1958; Hauptman, 1956.	44°59'	108°14'
73. High Noon claims and John claims. Hart, 1958; Hauptman, 1956.	44°57'	108°12'
74. Wilcox-People prospect.	44°49'	107°54'
75. Unnamed (anomaly 6).	44°52'	108°31'
76. Asay-Egbert claims and Dry Creek group.	44°40'	108°14'
77. Unnamed.	44°36'	108°09'
78. Sunup claim group.	44°39'	107°53'
79. Lucky Strike claim and Big Hill claim group.	44°33'	107°48'
80. Sanguine claim and Wildcat claim.	44°30'	107°51'
81. Unnamed.	44°19'	107°39'

Park County

85. Waggoner group.	44°51'	109°18'
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Locality Index (cont'd.)

WYOMING (cont'd.)

Park County (cont'd.)

86. Spirit Mountain and Uranium Exploration Inc. 44°27' 109°02'

87. Big Wind. 44°20' 109°19'

Teton County

90. Three-R mine. 43°38' 110°26'

Sublette County

95. Long Shot No. 1. 43°27' 109°47'

Fremont County

100. Arrowhead mine and others. Love, 1954a. 43°25' 107°54'

101. Kermac No. 1 and others. Love, 1954a. 43°22' 107°51'

103. Name unknown. Love, 1954a. 43°37' 109°23'

104. Pan group. Love, 1954a. 42°42' 108°39'

105. Big Red and others. Love, 1954a. 42°37' 108°28'

106. Ring. Love, 1954a. 42°35' 108°25'

107. Popo Agie No. 1 and others. Love, 1954a. 42°34' 108°21'

108. King. Love, 1954a. 42°36' 108°16'

109. Canary. Love, 1954a. 42°44' 108°08'

110. Cochran. Finnell and Parrish, 1958. 42°46' 108°04'

111. Skrubal. Zeller and Soister, 1956. 42°47' 108°08'

112. B and H No. 1. Zeller and Soister, 1956. 42°51' 108°15'

113. Day Loma pit, Phil, and other mines. Zeller, 1957. 42°44' 107°41'

114. Bullrush, Dick, and other mines. Zeller, 1957. 42°48' 107°40'

115. Lucky Mc and other mines. Zeller, 1957. 42°48' 107°35'

116. Western Nuclear (sec. 32, T. 32 N., R. 91 W.). Zeller and Bergin, 1957. 42°42' 107°45'

117. Hazel and other mines. Melbye, 1957. 42°25' 107°49'

118. Sno-ball and others. Grutt, 1956. 42°22' 107°50'

119. B & H group. 42°19' 107°55'

120. Loma group and others. 42°20' 107°36'

121. Hades No. 17. 42°43' 107°58'

122. Whiskey Mountain. 43°26' 109°38'

Natrona County

125. Globe, Federal, and Western Uranium Mining Companies 42°49' 107°30'

WYOMING (cont'd.)

Natrona County (cont'd.)

properties. Zeller, 1957.

126. Wentz mine and others. Zeller, 1957. 42°52' 107°28'

127. Dick and other mines. Gruner and Smith, 1955. 43°00' 107°29'

128. Bridger Trail and T-bone. Rich, 1955. 43°08' 107°23'

129. Split Rock. Love, 1953. 42°32' 107°32'

130. Last Chance. 42°31' 107°04'

131. Verna Bell. 42°44' 106°57'

132. Name unknown. 42°53' 106°52'

133. Phyllis No. 15. 42°42' 106°46'

134. Black Cat. 42°42' 106°42'

135. Pine Tree group and others. Gruner, Smith, and Knox, 1956. 42°39' 106°41'

136. Dyper-Bar-Mac group. Gruner, Smith, and Knox, 1956. 42°47' 106°38'

137. Dry Lake and others. Gruner, Smith, and Knox, 1956. 42°58' 106°19'

138. Baker group. 43°23' 106°09'

Converse County

140. Judy No. 14 and others. 42°46' 105°06'

141. Lucky Anne No. 3 and others. Gruner, Smith, and Knox, 1956. 42°42' 105°08'

142. Name unknown. 42°41' 105°14'

143. Betzer lease. 42°37' 105°18'

144. Trail Creek. 42°29' 105°21'

145. Simon-Keenan prospect. 42°54' 105°46'

146. Trading Post. 42°57' 105°25'

147. Box No. 4 and others. Sharp and Gibbons, 1957. 43°02' 105°26'

148. D-S. 43°07' 105°40'

149. D-7 and others. 43°10' 105°38'

150. D-10. 43°12' 105°44'

151. Pat and others. Sharp and Gibbons, 1957. 43°14' 105°37'

152. Birthday group. 43°18' 105°47'

153. Great Pine Ridge. 43°19' 106°04'

154. W. Moore. 43°26' 105°50'

Weston County

156. Unnamed. 43°57' 104°12'

157. Wicker-Baldwin mine and Alray prospect. Brobst, 1957; Cuppels, 1957. 43°37' 104°04'

Locality Index (cont'd.)

WYOMING (cont'd.)

Niobrara County

161. Old Woman anticline area.	43°12'	104°18'
162. Scott group.	43°04'	104°27'
163. Alter.	42°56'	104°29'
164. Drifter.	43°00'	104°36'
165. Moore group.	43°05'	104°36'
166. Old Rocky group. Bromley, 1955.	43°03'	104°42'
167. Western and Nelson Fee land.	43°00'	104°43'
168. New Hope. Bromley, 1955.	42°55'	104°51'
169. Allsup.	42°52'	104°34'
170. Silver Cliff mine. Wilmarth and Johnson, 1954.	42°46'	104°31'
171. Potter lease.	42°38'	104°31'

Goshen County

181. Copper Belt mines. King, 1953.	42°36'	104°31'
182. Old Chicago mine and Michigan Copper mine. King, 1953.	42°33'	104°35'
183. Green Hope mine.	42°28'	104°38'

Platte County

185. Unnamed.	42°00'	104°45'
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Albany County

190. Maggie Murphy claim and Diamond Bell claim.	42°23'	105°23'
191. Mahoney No. 1 claim.	42°19'	105°21'
192. Albany No. 1 claim.	42°18'	105°38'
193. Praeger prospect.	42°15'	105°34'
194. Night Owl claims.	42°25'	106°01'
195. Nu-Hotspot No. 7.	42°17'	105°56'
196. Unnamed. Love, 1956.	42°11'	105°50'
197. Unnamed.	41°55'	105°58'
198. Desert Rose claim. Love, 1955b.	41°07'	105°56'

Carbon County

201. Shirley Basin, north area.	42°22'	106°12'
202. Shirley Basin, south area.	42°19'	106°10'
203. Shirley Basin, west area.	42°20'	106°17'
204. Becky Lynn claim and Doozle No. 3 claim.	42°23'	106°39'
205. Canyon No. 1 claim.	42°22'	106°52'
206. Little Man mine. Love, 1954b.	42°18'	106°51'
207. Unnamed.	42°09'	106°15'
208. Chimney Rock claim, Unnamed (in Hanna Basin). Love, 1954b, 1955a.	42°04'	106°36'

WYOMING (cont'd.)

Carbon County (cont'd.)

209. Lucky Annie claim.	41°50'	106°46'
210. Sunset No. 1 claim.	41°48'	107°25'
211. Unnamed. Magleby and Mallory, 1954.	41°33'	106°50'
212. Unnamed (Localities 6, 7, 9, 3). Stephens and Bergin, 1959.	41°27'	106°51'
213. Unnamed (Localities 30, 18). Stephens and Bergin, 1959.	41°22'	106°47'
214. Unnamed (Locality 14). Stephens and Bergin, 1959.	41°23'	106°54'
215. Unnamed (Locality 16). Stephens and Bergin, 1959.	41°20'	106°55'
216. Doane-Rambler mine. King, 1953.	41°09'	107°01'
217. Unnamed. Magleby and Mallory, 1954.	41°22'	107°09'
218. Unnamed. Magleby and Mallory, 1954.	41°25'	107°06'
219. Unnamed. Magleby and Mallory, 1954; Vine and Prichard, 1959.	41°26'	107°10'
220. Unnamed. Magleby and Mallory, 1954.	41°25'	107°14'
221. Unnamed. Magleby and Mallory, 1954.	41°30'	107°23'
222. Unnamed. Magleby and Mallory, 1954.	41°27'	107°21'
223. Unnamed. Vine and Prichard, 1959.	41°24'	107°19'
224. Unnamed. Vine and Prichard, 1959.	41°20'	107°21'
225. Cloudy claim and Friday claim.	41°16'	107°20'
226. Ketchum Butte, Del Oro, and Unnamed.	41°17'	107°25'
227. Unnamed.	41°14'	107°29'
228. Crescent claim.	41°05'	107°30'
229. Cedar, Poison Basin claim group, and School section prospects. Vine and Prichard, 1954.	41°03'	107°47'

Sweetwater County

231. Hays claim.	42°15'	107°39'
232. Unnamed prospect.	42°14'	107°53'
233. Bison Basin prospect.	42°14'	108°16'
234. Lost Creek schroeckingerite deposit (Golden Arrow claim group) and Wasatch claim group. Wyant, Sharp, and Sheridan, 1956.	42°11'	108°06'
235. Lone Wolf claims.	42°06'	108°08'
236. Unnamed.	42°01'	108°09'

Locality Index (cont'd.)

WYOMING (cont'd.)

Sweetwater County (cont'd.)

237. Unnamed.	42°01' 108°02'
238. Unnamed.	41°57' 108°00'
239. Unnamed.	41°50' 108°07'
240. Unnamed.	41°46' 107°51'
241. Unnamed.	41°43' 107°48'
242. Mud claim group and unnamed prospects. Theobald and King, 1954.	41°45' 108°57'
243. Unnamed prospect.	41°42' 109°12'
244. Sand Rock claim.	41°34' 108°46'
245. Red and Yellow Rose claims and Lucky Turk claim.	41°30' 108°48'
246. Mud claim group.	41°18' 108°57'
247. John claim group.	41°12' 108°32'
248. Pine claim group and Star claim.	41°05' 108°58'
249. Red Jeep claim.	
250. Unnamed. Magleby and Meehan, 1955.	41°01' 109°23'
251. Spirit, Indian, Uinta, and Paint Pot claims.	41°04' 109°55'

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