Numerical List of U. S. Geological Survey Trace Elements Reports to April 30, 1953

By Virginia K. Blatcher and Jane H. Wallace

Trace Elements Investigations Report 325

UNITED STATES DEPARTMENT OF THE INTERIOR GEOLOGICAL SURVEY
UNITED STATES DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

NUMERICAL LIST OF U. S. GEOLOGICAL SURVEY
TRACE ELEMENTS REPORTS TO APRIL 30, 1953*

Compiled by

Virginia K. Blatcher and Jane H. Wallace

May 1953

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*This report concerns work done chiefly on behalf of the Division of Raw Materials of the U. S. Atomic Energy Commission.
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INTRODUCTION

This report contains 1) a list in numerical order of U. S. Geological Survey Trace Elements Investigations and Memorandum Reports, and 2) an author index for these reports. It supercedes TEI-300, issued in November 1952.

This report contains lists not only of reports that have been transmitted to the U. S. Atomic Energy Commission, that is, those reports followed by a date, but also those reports for which tentative titles were available prior to the date of completion of this list, April 30, 1953. The reports that are in preparation and subject to change in title are indicated by an asterisk.

The classifications that are shown for some of the reports issued prior to 1947 are uncertain; classifications shown are based on the best information available at the time that this report was prepared.

The Geological Survey does not have additional copies for permanent distribution of most of the reports listed, but copies of many of the completed reports can be loaned to organizations or individuals who are cooperating with the Atomic Energy Commission.
NUMERICAL LIST OF U. S. GEOLOGICAL SURVEY
TRACE ELEMENTS REPORTS TO APRIL 30, 1953

(*Indicates: In preparation. Title subject to change.)

Compiled by

Virginia K. Blatcher and Jane H. Wallace

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4. Harder, J. O., and Wyant, D. G., Preliminary report on a trace elements reconnaissance in western states: (Official use only). October 1944.


29. Fleischer, Michael, and Cameron, E. N., Geochemistry of beryllium: (Unclassified). June 1946.


31A. Foster, M. D., Stevens, R. E., Grimaldi, F. S., Schlecht, W. G., and Fleischer, Michael, Methods for the complete decomposition of rock and ore samples to be analyzed for very small amounts of uranium and thorium: (Confidential). 1946.
31B. Foster, M. D., and Stevens, R. E., The determination of very small amounts of uranium in naturally occurring materials: (Confidential). 1946.

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31G. Schlecht, W. G., Control chart method applied to radioactive counting: (Confidential). 1946.

31H. Fleischer, Michael, and Harder, J. O., Geochemistry of indium: (Confidential). 1946.

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41. Gault, H. R., Trace elements reconnaissance in the Candle Creek area, Fairhaven district, Seward Peninsula, Alaska: (Official use only). December 1949.


55. White, M. G., Reconnaissance for radioactive deposits along the upper Porcupine River, northeastern Alaska: (Unclassified). June 1951.

56. Wedow, Helmuth, Jr., Radioactivity investigations in the Eagle-Nation area, Upper Yukon region, Alaska.*

57A. White, M. G., Radioactivity and mineralogy of placer concentrates from the Fortymile district, Alaska: (Unclassified). August 1950.


57C. White, M. G., Radioactivity in the 'Okpilak' gneissic granite, Mount Michelson area, northeastern Alaska: (Unclassified). January 1951.


59. King, R. U., Reconnaissance investigations for uranium in the Colorado Front Range, 1947-1951,*


63. Robeck, R. C., and Brown, Andrew, Black shale investigations, Block 3, Tennessee: (Confidential). March 1950.

64. Robeck, R. C., and Conant, L. C., Reconnaissance search in parts of Kentucky, Tennessee, Indiana, Virginia, and Ohio for areas where uraniferous black shale may be mined by stripping: (Confidential). May 1951.


73. West, W. S., and Benson, P. D., Radiometric reconnaissance on the Mountain View mining property and adjacent areas, Hyder district, southeastern Alaska.


76A. White, M. G., Examination for radioactivity in a copper-lode prospect on Ruby Creek, Kobuk River Valley, Alaska: (Unclassified). August 1950.


78. Staff, Characteristics of radioactive carbonaceous and bituminous shales: (Confidential). January 1950.


83. Stead, F. W., Progress on detection of radioactivity by airborne equipment: (Official use only). September 1949.

84. Bell, K. G., and Rogers, A. S., Experimental gamma-ray logging of drill holes in the Calamity area, Mesa County, Colorado: (Unclassified). February 1950.


92. Stieff, L. R., Program of study for the carnotite ores of the Colorado Plateau: (Unclassified). March 1949.


98. Staff, Tonnage and grade of slime ponds and washer debris areas, Florida phosphate field: (Secret). September 1949.


101. Stewart, R. H., Preliminary results of prospecting of the "leached" zone over phosphate deposits in NW1/4 of Sec. 9, T. 31 S., R. 25 E., Polk County, Florida: (Official use only). December 1949.


111. McKeilney, V. E., and Swanson, R. W., Status of investigations of uranium in the Phosphoria formation, a preliminary report to the AEC: (Secret). December 1949.


113. Trace, R. D., Carnotite resources in the Radium group area, San Miguel County, Colorado: (Official use only). April 1950.


117. Stager, H. K., Carnotite resources of the Maverick group area, Mesa County, Colorado: (Official use only). June 1950.


125. Leonard, B. F., Concept of mineral zoning applied to Front Range deposits.


130. Fletcher, M. H., A study of critical factors in the "direct" fluorimetric determination of uranium: (Unclassified). October 1950.

130a. addendum Fletcher, Mary H., Addendum to a study of critical factors in the "direct" fluorimetric determination of uranium: (Unclassified). April 1952.


138. Staatz, M. H., and Trites, A. F., Jr., Geology of the Quartz Creek pegmatite district, Gunnison County, Colorado: (Pt. 1, Unclassified; Pt. 2, Official use only). April 1952.


142. Thompson, M. E., Distribution of uranium in rich phosphate beds of the Phosphoria formation; (Unclassified). February 1951.


144. Phair, George and Onoda, Kiyoko, Hydrothermal uranothorite in fluorite breccias from the Blue Jay mine, Jamestown, Boulder County, Colorado: (Unclassified). March 1951.

145. Withington, C. F., Carnotite resources of the Upper group area, San Miguel County, Colorado: (Official use only). July 1951.

146. Stager, H. K., Carnotite resources of the Calamity group area, Mesa County, Colorado: (Official use only). June 1951.


148. Rabbitt, J. C., Summary of the research work of the Trace Elements Section, Geochemistry and Petrology Branch, for the period April 1, 1948--December 31, 1950: (Confidential). January 1951.


151. Rabbitt, J. C., Summary of the research work of the Trace Elements Section, Geochemistry and Petrology Branch, for the period January 1--March 31, 1951: (Unclassified). May 1951.


154. Finch, W. I., Carnotite resources of part of Blue Mesa, Mesa County, Colorado: (Restricted-Security Information). February 1952.

155. Lang, A. J., Jr., and Redden, J. A., Geology and pegmatites of part of the Fourmile area, Custer County, South Dakota: (Pt. 1, Unclassified; Pt. 2, Official use only). March 1952.

156. Granger, H. C., Bauer, H. L., Jr., Lovering, T. G., and Gillerman, Elliot, Uranium deposits in Grant County, New Mexico.*


165. Stewart, J. H., Carnotite resources of the Moon Mesa and Horse Mesa areas, Mesa and Montrose Counties, Colorado.*
166. Holser, W. T., Beryllium minerals in the Victorio Mountains, Luna County, New Mexico: (Unclassified). January 1952.

167. Rabbitt, J. C., Summary of the research work of the Trace Elements Section, Geochemistry and Petrology Branch, for the period January 1-June 30, 1951: (Unclassified). September 1951.


169. Lovering, T. G., Radioactive deposits of Nevada.*


171. Thurston, R. H., and Trites, A. F., Jr., The uranium, tin, and copper deposits at Majuba Hill, Pershing County, Nevada: (Pt. 1, Unclassified; Pt. 2, Official use only). December 1952.


174. Lovering, T. G., Radioactive deposits of New Mexico.*

175. Harrison, J. E., Zoning as related to structure in the central part of the Front Range mineral belt of Colorado.*


177. Armstrong, F. C., The Central City pitchblende area, Gilpin County, Colorado.*


179. Myers, A. T., and Barnett, P. R., Contamination of rock samples during grinding as determined spectrographically: (Unclassified). March 1952.


182. Rabbitt, J. C., Summary of the research work of the Trace Elements Section, Geochemistry and Petrology Branch, for the period July 1--September 30, 1951: (Unclassified). November 1951.


189. West, W. S., and Benson, P. D., Radiometric reconnaissance in the vicinity of Ketchikan, Goddard Hot Springs, Chichagof, Funter Bay, and Juneau, southeastern Alaska.*


195. Wedow, Helmuth, Jr., and Tolbert, G. E., Radioactivity at the Copper Creek copper lode prospect, Eagle district, east-central Alaska; (Official use only). September 1952.

196. Wedow, Helmuth, Jr., and Tolbert, G. E., Reconnaissance for radioactive deposits in the Fortymile district, Upper Yukon region, Alaska.*


205. Benson, W. E., and others, Geologic mapping and study of the copper-uranium deposits in White Canyon, San Juan County, Utah.*


218. Rabbitt, J. C., Summary of the research work of the Trace Elements Section, Geochemistry and Petrology Branch, for the period October 1 - December 31, 1951: (Unclassified), February 1952.


226. Sheridan, D. M., and others, Beryl deposits of the Peerless pegmatite, Pennington County, South Dakota.*

227. Granger, H. C., Uranium deposits of Arizona.*

228. Moore, F. B., and Cavender, W. S., Geology and uranium deposits of the Caribou area, Boulder County, Colorado.*


230. Lovering, T. G., Radioactive deposits of Utah.*

231. Sheridan, D. M., Geology of the High Climb pegmatites, South Dakota.*


233. Stugard, Frederick, Jr., Pegmatites of the Middletown area, Connecticut.*

234. Pierson, C. T., and Singewald, Q. D., Occurrence of uranium-bearing minerals in the St. Kevin district, Lake County, Colorado.*

235. Moore, George W., Extraction of uranium from cold-water solution by coal and other materials.*


240. Trites, A. F., Jr., Beroni, E. P., and Benson, W. E., Uranium and copper deposits at the Gonway and North Point claims, White Canyon area, San Juan County, Utah.*


242. Hall, M. L., and Butler, A. P., Jr., Compilation of data on the uranium and equivalent uranium content of samples analyzed by U. S. Geological Survey during a program of sampling mine, mill, and smelter products: (Official use only). August 1952.


244. Cook, K. L., and Moss, C. K., Geophysical observations in parts of the Grants district, McKinley County, New Mexico: (Pt. 1, Unclassified; Pt. 2, Official use only). August 1952.


247. Phair, George, Radioactive Tertiary porphyries in the Central City district, Colorado, and their bearing upon pitchblende deposition: (Unclassified). August 1952.

248. Pierson, C. T., and Singewald, Q. D., Results of reconnaissance for radioactivity in parts of the Alma district, Park County, Colorado.*

249. Griffitts, W. T., Beryllium resources of the tin-spodumene belt, North Carolina.*

251. Shawe, D. R., Thorium resources of the Mountain Pass district, California.

252. Staatz, M. H., and Osterwald, F. W., Geology of theuraniferous fluorspar district, Thomas Range, Juab County, Utah.

253. Wilmarth, V. R., Geology and ore deposits of the Placerville area, San Miguel County, Colorado.

254. Stugard, F., Jr., Physical exploration for uranium during 1951 in the Silver Reef district, Washington County, Utah.

255. Dings, M. D., and Schafer, Max, Radiometric reconnaissance in the Garfield and Taylor Park quadrangles, Chaffee and Gunnison Counties, Colorado.


261. Gillerman, Elliot and Whitebread, D. M., The U-bearing nickel-cobalt-native silver deposit in Black Hawk district, Grant County, New Mexico.

262. Phair, George and Levine, Harry, Notes on the differential leaching of uranium, radium, and lead from pitchblende in H$_2$SO$_4$ solutions: (Unclassified). September 1952.


266. Altschuler, Z. S., Summary of work on the mineralogy and petrography of southeast phosphates through April 1952; (Confidential-Security Information). November 1952.


273. Berman, Robert, A nomogram for obtaining percent composition by weight from mineral grain counts; (Unclassified). October 1952.


275. Thompson, M. E., Further studies of the distribution of uranium in rich phosphate beds of the Phosphoria formation; (Unclassified). November 1952.

276. Holmes, C. N. Jurassic stratigraphy of Colorado.


285. Weeks, Alice Dowse, Mineralogic study of some Jurassic and Cretaceous claystones and siltstones from western Colorado and eastern Utah: (Unclassified). February 1953.

286. Bell, Henry, III, Carnotite resources of the Spud Patch area, San Miguel County, Colorado.*
291. West, W. S., Reconnaissance for radioactive deposits in selected areas of the Lower Yukon-Kuskokwin region, Alaska, 1952.*


295. Harrison, J. E., and Wells, J. D., Geology and ore deposits of Freeland-Lamartine district, Colorado.*


297. Bales, W. E., and Bell, Henry, III, Geology of uranium deposits of Fall River County, South Dakota.*

298. Hill, J. W., Uraniferous asphalts in southwestern Oklahoma.*

299. Wilmarth, V. R., Geology of Shirley May mine near Garo, Park County, Colorado.*


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307. Stieff, L. R., and Erickson, E. S., Jr., An air concentrator for very low grade Colorado Plateau uranium ores: (Unclassified). January 1953.


310. Staff, Search for and geology of radioactive deposits, semiannual progress report June 1 to November 30, 1952: (Confidential-Security Information-Restricted Data). December 1952.

311. Sims, Paul K., and Phair, George, Geology of the Copper King mine area, Prairie Divide, Larimer County, Colorado: (Pt. 1, Unclassified; Pt. 2, Official use only). December 1952.


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314. Berman, Robert, A mineralogic study of churn drill cuttings from a well through the Bone Valley formation, Hillsborough County, Florida.*


318. Rosholt, J. N., Jr., A quantitative radiochemical method for the determination of the major sources of natural radioactivity in ores and minerals.*

319. Smith, J. F., and others, Progress report on geologic studies in the Capitol Reef area, Wayne County, Utah, 1953.*

320. Trites, A. F., Jr., and Finnell, T. L., Progress report on geologic studies in the White Canyon area, San Juan County, Utah, 1953.*


322. Stieff, L. R., and Stern, T. W., The lead-uranium ages of some uraninite specimens from Triassic and Jurassic sedimentary rocks of the Colorado Plateau.*


324. Portnov, A. I., The use of aromatic compounds of arsenic in chemical analysis, part I (translated by Skitsky, V. L.).*


7. Granger, H. C., and Beroni, E. P., Uranium occurrences in the White Canyon area, San Juan County, Utah: (Pt. 1, Unclassified; Pt. 2, Official use only). December 1950.


27. Gott, G. B., Barbers Hill oil field, Chambers County, Texas: (Official use only). December 1949.


32. Granger, H. C., and Bauer, H. L., Jr., The Eureka and Happy Landing (Cooper-Sands) groups of claims, Uintah County, Utah—a preliminary report: (Pt. 1, Unclassified; Pt. 2, Official use only). May 1950.

33. Granger, H. C., and Bauer, H. L., Jr., Preliminary examination of uranium deposits near Marysvale, Piute County, Utah: (Pt. 1, Unclassified; Pt. 2, Official use only). September 1950.


36. Wilmarth, V. R., Uranium deposit in the Sheeprock Mountains, Tooele County, Utah: (Official use only). May 1950.

37. Staff, Memorandum discussing some considerations of the production potential of vanadium and uranium ore in the Colorado Plateau and related mill capacity: (Secret) April 1947.


42. Butler, A. P., Jr., Memorandum on analysis of water samples from the Salton Sea, California: (Confidential). July 1947.

43. Hendricks, T. A., Shale of approximately 0.009 percent uranium content in eastern Tennessee with regard to tonnage, grade and some factors relative to mining: (Confidential). August 1947.


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56. Staff, Monazite in concentrates from Idaho placer operations: (Unclassified). March 1948.

57. Stieff, L. R., Carnotite mineralogical research: (Confidential). April 1948.


59. Staff, Radioactivity of recent sediments, salt and fresh water: (Confidential). May 1948.


64. Staff, Some factors related to western phosphate development: (Secret). June 1948.

65. Staff, Western phosphate program, sampling and mill studies: (Secret). August 1948.


69. Staff, Beryl deposits of the Mt. Antero region, Chaffee County, Colorado: (Unclassified). September 1948.

70. Staff, Samples for metallurgical testing from the Anaconda Copper Mining Company's phosphate mine at Conda, Idaho: (Confidential). October 1948.


73. Staff, Preliminary notes on distribution of uranium in the Florida pebble phosphate field and suggestions for study and sampling: (Confidential). January 1949.

74. Stieff, L. R., Use of isotopes in geological investigations: (Unclassified). March 1949.

75. Staff, Geological work of the Geological Survey for the Atomic Energy Commission that would be of special interest to petroleum geologists: (Official use only). March 1949.

76. Butler, A. P., Jr., Metallurgical research on beryllium-bearing rocks other than pegmatites: (Restricted). April 1949.


78. Staff, Extent of investigations by the Geological Survey of various types of materials suggested by Mr. Wallace E. Pratt, consultant to the Atomic Energy Commission: (Confidential). May 1949.

79. Staff, Carnotite deposits on government-owned claims, Calamity Mesa, Mesa County, Colorado: (Unclassified). May 1949.

80. Trace, R. D., Results of drilling on the Radium group and associated claims near Egnar, San Miguel County, Colorado: (Confidential). March 1949.


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85. Cathcart, J. B., Results of mine sampling program, Florida pebble phosphate field: (Secret). October 1949.

86. Guinan, W. A., Record of spectrographic cobalt (CoO) analyses of samples collected under the Mill and Raw Materials Sampling Project: (Official use only). Oct. 1949; supplemental list, March 1950.

87. Staff, Progress on airborne radiation detection: (Unclassified). December 1949.

88. Staff, Progress on carbone radiation detection: (Unclassified). December 1949.


90. Stieff, L. R., Progress on carnotite mineralogy: December 1949.

91. Staff, Summary of Alaskan reconnaissance investigations in the 1949 field season and proposals for field season of 1950: (Unclassified). December 1949.

92. Staff, Progress on Barnaby gamma-ray logging: December 1949.

93. Staff, Gamma-ray well logs, progress report: January 1950.


103. Stager, H. K., Results of diamond-drill exploration in 1949 and plans for additional drilling on Outlaw Mesa and vicinity, Mesa County, Colorado: (Official use only). February 1950.


111. Bryner, Leonid, Preliminary appraisal of the results of diamond-drill exploration on Club Mesa, Montrose County, Colorado: (Official use only). June 1950.


113. Bell, Henry, III, Results of diamond-drill exploration and plans for additional drilling in the Legin group area, San Miguel County, Colorado: (Official use only). August 1950.


117. Granger, H. C., and Bauer, H. L., Jr., Uranium occurrences on the Blue Jay claim, White Signal district, Grant County, New Mexico: (Pt. 1, Unclassified; Pt. 2, Official use only). June 1951.

118. Granger, H. C., Preliminary investigation of radioactivity in the Black Hawk district, Grant County, New Mexico: (Unclassified). October 1950.

119. Granger, H. C., and Bauer, H. L., Jr., Reported occurrence of pitchblende, Black Range, Grant and Sierra Counties, New Mexico: (Official use only). December 1950.


121. Bauer, H. L., Jr., Apache Trail uranium prospect, White Signal district, Grant County, New Mexico: (Pt. 1, Unclassified; Pt. 2, Official use only). June 1951.

123. Davidson, D. F., and Wayland, T. E., Uranium and phosphate in the eastern part of the Bonny Lake mine, Polk County, Florida: (Official use only). May 1951.

124. Deul, Maurice, Summary report on public samples received 1949-50, Trace Elements Section Washington Laboratory, Geochemistry and Petrology Branch: (Unclassified). June 1951.


128A. Granger, H. C., and King, R. U., Uranium in the Copper King mine, Black Hawk No. 1 claim, Larimer County, Colorado: (Unclassified). April 1951.


130. Cathcart, J. B., Reserves of uranium in the leached zone in the Gooch, Carlton Helms tract of the International Minerals and Chemical Corporation, Polk County, Florida: (Official use only). May 1950.


134. Granger, H. C., and Bauer, H. L., Jr., A radiometric examination of the Tunnel Site No. 1 claim, Grant County, New Mexico: (Unclassified). December 1950.


139. Bauer, H. L., Jr., Radioactive ilmenite, Virginia claim, Hillsboro mining district, Sierra County, New Mexico: (Unclassified). October 1950.


146. Granger, H. C., and Bauer, H. L., Jr., Results of diamond drilling, Merry Widow claim, White Signal, Grant County, New Mexico: (Unclassified). July 1950.


151. Bauer, H. L., Jr., and Klinger, F. L., Monzonite in Dry Creek Canyon, Sevier Plateau, Sevier County, Utah: (Unclassified). October 1950.


162. Staatz, M. H., Uranium prospect, Jan Group, Juab County, Utah: (Unclassified). September 1950.


165. Staatz, M. H., and Bauer, H. L., Jr., Preliminary examination of the uranium prospect at the Spider No. 1 claim, Honeycomb Hills, Juab County, Utah: (Unclassified). October 1950.


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