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PART II.—MINERAL FUELS

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CONTRIBUTIONS TO ECONOMIC GEOLOGY, 1919.

PART II. MINERAL FUELS.

DAVID WHITE and G. H. ASHLEY, *Geologists in charge.*

INTRODUCTION.

The Survey's "Contributions to economic geology" have been published annually since 1902. In 1906 the increase in the number of papers coming under this classification made it necessary to divide the contributions into two parts, one including papers on metals and nonmetals except fuels and the other including papers on mineral fuels. In 1915 the year included in the title was changed from the year in which the field work reported in these papers was done to the year of publication, and in consequence there was no volume entitled "Contributions to economic geology, 1914." The subjoined table gives a summary of these bulletins.

United States Geological Survey "Contributions to economic geology."

Date in title.	Date of publication. ^a	Bulletin No.	Date in title.	Date of publication. ^a	Bulletin No.
1902.....	1903	213	1912, Part I.....	1914	540
1903.....	1904	225	Part II.....	1914	541
1904.....	1905	260	1913, Part I.....	1915	580
1905.....	1906	285	Part II.....	1915	581
1906, Part I.....	1907	315	1915, Part I.....	1916	620
Part II.....	1907	316	Part II.....	1916	621
1907, Part I.....	1908	340	1916, Part I.....	1917	640
Part II.....	1909	341	Part II.....	1917	641
1908, Part I.....	1909-	380	1917, Part I.....	1918	660
Part II.....	1910	381	Part II.....	1918	661
1909, Part I.....	1910	430	1918, Part I.....	1919	690
Part II.....	1911	431	Part II.....	1919	691
1910, Part I.....	1911	470	1919, Part I.....	1920	710
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1911, Part I.....	1913	530			
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^a The date given is that of the complete volume; beginning with Bulletin 285, the papers have been issued as advance chapters as soon as they were ready.

As the subtitle indicates, most of the papers in these volumes are of three classes—(1) short papers describing as thoroughly as conditions will permit areas or deposits on which no other report is

likely to be prepared; (2) brief notes on mining districts or economic deposits whose examination has been merely incidental to other work; and (3) preliminary reports on economic investigations the results of which are to be published later in more detailed form.

Although these papers set forth mainly the practical results of economic investigations they include brief theoretical discussions and summary statements of conclusions if these appear to require prompt publication.