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Call for Papers for the Indianapolis Meeting

A meeting of the Society will be held in conjunction with the American Association for the Advancement of Science in Indianapolis on December 27, 28, and perhaps 29. The Hotel Spink-Arms has been designated as our hotel headquarters. Prices there are for single rooms \$2.50 to \$4.00, for double rooms \$4.00 to \$7.00.

Mr. J. H. Armington, U. S. Weather Bureau, Indianapolis, Chairman of the Local Committee on Arrangements, suggests a special luncheon on one of the days of the meeting, and asks those expecting to attend to send him their names and Indianapolis addresses as early as convenient or possible, stating whether they would attend a luncheon on the 28th.

Those who wish to present papers at this meeting should communicate with the Secretary as soon as possible, indicating subject, time required for presentation, and whether or not lantern slides will be used. The preliminary program will be printed in the October Bulletin, deadline for which will be Nov. 20. An abstract of the paper should be submitted as soon as convenient. There will be a joint session with the Section on Astronomy.—*Charles F. Brooks, Secretary.*

On the Physics of Fronts*

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(MS received, July 22, 1937)

A CONTINUATION OF MY BOOK "Über die dreidimensional verknüpfende Wetteranalyse, Teil I" [1]¹), forming part II of it, already has been published in 1934 in the Russian language [2]. A German edition of this part II is now being prepared for publication in the same series as part I. Part I treated the problem of the formation of air masses and fronts in the troposphere; part II deals with the physics of such fronts and their disturbances. The aim is that parts I and II together should give a fairly complete account of the large scale tropospheric mechanisms or "models" ("Hauptschablonen der troposphärischen Struktur"), and their rôles in

determining the weather, according to recent conceptions of synoptic meteorology and to partly unpublished investigations.

The general contents are seen from the titles of its 14 sections²): § 29—General Characteristics of Fronts. § 30—Anafront and Katafront. § 31—

*) This is a brief summary of Dr. Bergeron's eventual monograph in German in *Geophysische Publ.*, and is a revision of his paper read to the Edinburgh meeting of the U. G. G. I. meteorology section in 1936 and issued at that time in lithoprint; it has also been published in German in *Zts. f. angew. Met.*, Dec., 1936, pp. 381-95 (repr. as *Communications: Series of Papers*, no. 13, Statens Met.-Hyd. Anst., Stockholm, 1937).—*Ed.*

¹) The figures in [] refer to the numbers in the BIBLIOGRAPHY at the end of this article.

²) The sections of part II are enumerated from 29 to 42 in direct continuation of those of part I.