

# Meteorologische Vorgänge im Spiegel der Lufterlektrizität

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Ricevuto 20-VII-1460

*"The study of turbances in the potential gradient shows that all turbances can be correlated with local meteorological conditions" (\*)*.

## I. — EINFÜHRUNG

Die Anschauungen über die atmosphärisch-elektrischen Erscheinungen und ihre Verknüpfung mit anderen Vorgängen haben wie bekannt mehrfach grundlegende Wandlungen durchgemacht. Vor allem hat über die Verbindung zur Meteorologie lange Zeit Unklarheit bestanden: Obwohl sich einerseits von Anfang an immer wieder auffallende Parallelen zum Wettergeschehen erkennen liessen, erwies es sich andererseits als ungewöhnlich schwierig, die Mechanismen zu erkennen, aus denen sich diese Zusammenhänge kausal begründeten. So pendeln die Anschauungen über diese Dinge bis in die nahe Vergangenheit hinein zwischen den beiden extremen Möglichkeiten, in den meteorologischen Einflüssen grundlegende Phänomene oder störende Zusatzerscheinungen zu sehen — eine Unsicherheit, die gelegentlich noch bis heute nachwirkt.

Der Grund dafür ist nicht zuletzt darin zu sehen, dass die atmosphärischen Erscheinungen mehrdeutig sind und dass sie in ihren Einzelheiten in gleicher Weise sowohl durch Vorgänge in der näheren Umgebung wie auch durch solche von globalen Ausmassen bedingt sein können: Ist einerseits das Wettergeschehen in mehr oder weniger ausgeprägtem Masse lufterlektrisch wirksam, so kommen andererseits bei Abstraktion vom Wettereinfluss hinter diesem andere, weltweit wirkende Einflüsse zum Vorschein.

Nun sind, wie heute einwandfrei feststeht, *beide* Einflussbereiche meteorologischer Art, auch die weltweit reichenden, die ihren Ursprung

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(\*) D. C. Ross, *The atmospheric potential gradient at Ottawa, Canada.* « Canad. Journ. Res. » Ottawa 15, 119-148, (1937).

# Die Luftelektrizität

**National Research Council (U.S.)**



## **Die Lufterlektrizität:**

Die lufterlektrizität Albert Gockel,1908      **System der Medicin** Johann Hammerschmied,1863      **Die lufterlektrizität**  
Albert Gockel,1908      **The Electrical Conductivity of the Atmosphere and Its Causes** Victor Francis Hess,1928  
**Fortgesetzte Magie, oder die Zauberkräfte der Natur, etc** Johann Samuel HALLE,1801      **Zeitschrift für**  
**angewandte Meteorogie** ,1913      *Brief List of Meteorological Text Books and Reference Books* United States. Weather  
Bureau,1913      **The Astrophysical Journal** ,1909 Letters to the Editor issued as Part 2 and separately paged from v 148  
1967 Beginning in 2009 the Letters published only online      Introductory Meteorology National Research Council (U.S.).  
Division of Geology and Geography,1918      **Quarterly Journal of the Royal Meteorological Society** Royal  
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paged section at end      **International Critical Tables of Numerical Data, Physics, Chemistry and Technology** ,1929  
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Göttingen,1912      **Eine encyklopaedie des allgemeinen wissens** Meyers Konversations-Lexikon,1885      Wetter ,1913  
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