

Abstract Submitted
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The Discovery of Electrography. LARISSA SAMUILOVA, Department of Mathematics, SUNYSuffolk, VLADIMIR SAMUILOV, Department of Materials Science and Engineering, SUNYSB — Prof. Jakob Narkiewicz-Jodko (1947–1905) major discoveries are: Electrography – the method of the visualization of corona discharge (corona discharge photography) from the bodies due to the application of high strength and high frequency electric fields [1-4], and the first observation of the propagation of the electromagnetic waves for information transfer over the distances [5,6]. They were made in his laboratory, located at his manor home Nadniemen in Eastern Europe. We describe these experiments and equipment used in the Lab for these discoveries. We also introduce a mathematical algorithm for the analysis of the electrography images. [1] Decrespe M. La vie et les oeuvres de M. de Narkiewicz-Iodko, member et collaborateur de l'Institut imperial de medecineexperimentale de Saint-Petersbourg, member of correspondent de la Societe de Medecine de Paris, etc./ Marius Decrespe.- Paris, Chamuel, 1896, 51p. [2] Annalen der Physik.- Leipzig, 1896. – Bd 293, 132 [3] Electrography// The Photographic news for amateur photographers.- 1896.- vol. 40, p.450 [4] Maack F. Elektrographie. Mit besonderer Berucksichtigung der Versuche Narkiewicz-Jodko/ Ferdinand Maack// Wissensschaltliche Zeitschrift... – 1898.- Bd 1, 1, 8-22; -1898.- Bd 1, 2/3, 89-99. [5] Séances de la societe francaise de physique/ Societe francaise de physique. – Paris, 1898, p. 77-79. [6] Present condition of wireless telegraphy// Consular reports: Commerce, manufacturers, etc. of their consular districts. Bureau of Foreign Commerce of United States.- Washington 1901, v.66. p. 44.

Vladimir Samuilov
Department of Materials Science and Engineering, SUNYSB

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