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C.R. Jones  
Sept 1938*

RUDOLF EMIL HELLMUND  
CHIEF ENGINEER  
WESTINGHOUSE ELECTRIC & MFG. COMPANY

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- Born:** Gotha, Germany, February 2, 1879; came to America 1903; married Hetty Borgman, Carnegie, Pa.; one son, Rudolf Wm. Louis Hellmund, 1-7-1915
- Education:** Public grade and high school (Realschule), Gotha, Germany - 1885-95  
Technical College of Ilmenau, Germany - E.E. 1899 (with honors)  
Univ. of Charlottenburg, Germany - Postgraduate work 1901-02
- Experience:** Sachsische Elektrozitatzwerke, Poeschmann- Design of elec. machinery, 1899-1900. Land-und See Kabelwerke, Cologne - Laboratory, 1900-1901  
Maschinenfabrik Eplingen, Stuttgart - Charge of test floor 2-1/2 years.
- Krantz Company, Brooklyn, N.Y. Designer of switches & swbds. 1903  
Hellmund & Collbohn Elec. Co., New York, Misc.consulting work 1904  
Asst. of Wm. Stanley, Great Barrington, Mass. - Design of induction motors and self-compounding alternators - 1904-05  
Western Elec. Co., Hawthorne, Ill. - Designed line of induction motors then marketed by that company - 1905-07.
- Westinghouse Elec. & Mfg. Co., East Pittsburgh, Pa.  
1907-09 - Designer of induction motors, brought out two lines.  
1909-11 - General engineering - organized a section on estimating.  
1911-17 - In charge of design of all a-c. & d-c. railway motors; designed first Westinghouse ventilated railway motors for street-cars; first single-phase railway motors with commutating field used on the Phila. terminal electrification; the first W. rwy. motor with 1200 volts across one motor; the first phase-converter & other apparatus for the first phase-converter engines used on Norfolk & Western & Pennsylvania Railroads; the first d-c. regenerative locomotive system used later on Chicago, Milwaukee & St. Paul.
- 1918-21 - Miscellaneous consulting and development work.  
1922 - Made Engineering Supervisor of all Development  
1926 - Chief Electrical Engineer  
1933 - Chief Engineer
- Patents:** About 300 United States and foreign patents covering dynamo-electric machines of various kinds; control systems, industrial and railway; relay protection of power systems; regenerative operation of railways.
- Publications:** More than a hundred articles, discussions and editorials on technical subjects, which have appeared in the proceedings of the engineering societies of the United States, England and Germany, and in the technical press of these countries and of France.
- Awards:** Silver Medal as collaborator, San Francisco Worlds Fair  
Lamme Gold Medal for 1929 - For contributions to the design and development of rotating electrical machinery.  
Westinghouse Order of Merit, Jan. 27, 1937.

**Societies:** Fellow A.I.E.E., 1933 - Served on committees, chairman A.S.A. Comm.  
on Preferred Numbers; Chairman AIEE Stds.  
Comm. 8-1-38  
Member Electrical Standards Comm. of ASA and of U.S. National Committee  
of I.E.C.  
President of Society of German-American Technologists - 1920 E.  
Member Board of Directors, Electrotechnischer Verein (German Inst. of E.  
Blue Lodge, Knights Templar, Shriner  
Member of Pittsburgh Athletic Association

**Residence:** 7510 Trevanion Avenue, Swissvale, Pa.

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Maschinenfabrik Eplingen, Stuttgart- Charge of test floor 2-1/2 yrs.
- Krantz Company, Brooklyn, N.Y. -Designer of switches & switchboards - 1903  
Hellmund & Collbohn Elec. Co., New York - Misc.consulting work 1904 (6 mos.)  
Asst. of Wm. Stanley, Great Barrington, Mass.- Design of induction motors and self-compounding alternators - 1904-05  
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General:- In his work for the Westinghouse Company, Mr. Hellmund has traveled extensively in the foreign field, representing the Company in engineering and business conferences. His travels have taken him to all European countries as well as to England, Scotland, Ireland, Canada, and Jamaica.

Mr. Hellmund has served as chairman of the committee verifying all standard apparatus of the Company and as a member of the Patent Board. He has been chairman of the educational committee and has taken an active interest ~~in~~ and acted as instructor in the Graduate Students' Course and the University of Pittsburgh-Westinghouse Co-operative Course.