

Glenn W. Stagg – His Life and His Achievements

A Tribute to His Memory

Anthony F. Gabrielle and Arun G. Phadke



Glenn W. Stagg – 1923-2009

Early Years.



- Served in WW II in the US Army.
- Attended MIT under GI Bill of Rights.
- 1946 BS degree, start of AEP career.
- MBA from NYU.

Other interests.



- Played football in high school.
- Life long fan of the Brooklyn Dodgers and the New York Jets.

Technical Innovator and Leader



Integration of EHV power systems, and need for analytical tools to cope.

Shortcomings of network analyzers. Birth of computer programs at AEP and other organizations.

Load flow program opened the door.

Short-circuit, stability programs followed.

Economic dispatch – the forerunner of optimal load flows.

Glenn's leadership and foresight brought these developments in the mainstream of power system engineering.

Phasor Measurements and Wide Area Measurement systems are in the same spirit, although Glenn was not directly involved in this development.

Collector of talented people and Mentor



Glenn as the VP of the Computer Application Division of AEP gathered together bright people who continued the work that Glenn had started.

Among these are:

Jorge Dopazo
Sudhir Virmani
Savu Savulescu^{*}
Mayer Sasson
Alfred Knable
Louis Van Slyck
Al Palmer
Marjorie Watson
Janice Hohenstein
Fran Oliver Palmer

The Book and collaboration with Ahmed El-Abiad



This truly ground-breaking book written by two giants of the industry has withstood the test of time, and remains one of the most important source material in the field of power system engineering.

For the first time, it collected in one place the important results and concepts of computer-based power system analysis.

I was fortunate to be involved in a small way in its publication, as a reviewer of the draft. I am honored to be mentioned in the Introduction along with Prof. Reitan of the University of Wisconsin for our services as reviewers of the book.

The examples and problems in the book made it an ideal text book in courses many of us have taught.

Teacher



My first contact with Glenn in mid 1960s.

Course in Purdue with El-Abiad.

Course moved to Univ. of Wisconsin.

Glenn and Jorge continued to be instructors of this course for many years.

Weeks spent with Glenn were the start of a friendship and an interest on my part in AEP.

That course was the starting point of many courses that were developed and run in Wisconsin since then.

This is an un-broken run of almost 50 years of continuing education for practicing engineers in Wisconsin.

Accomplishments and Honors



Authored or co-authored ground-breaking technical papers.

Chaired the FPC Advisory Committee on computer applications in power industry following the 1965 blackout.

Founded and ran “Stagg Systems, Inc.”, a leading consulting company in the field of power system engineering applications.

A leading organizer of PSCC and PICA conferences (of which the present conference is a derivative).

Honorable Mention as an outstanding young Electrical engineer by HKN.

Fellow of IEEE.

Member of the National Academy of Engineering.



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