History of Neuroimaging and the ASN

Jack Greenberg MD
William Kinkel MD

Oldendorf-1978-Wartenburg Lecture to AAN

- 1895-Roentgen and Xray
- 1918-Dandy-Pneumo and Ventriculography
- 1922-First myelogram by a general surgeon
- 1927-Moniz and cerebral arteriography
- 1961-Oldendorf- Basis for CT Scanning
- 1973- Houndsfield- Noble for CT Scan
- 2003- Lauterber and Mansfield-Nobel for MR

William Oldendorf

- Professor of Neurology- UCLA and VA Hospital in Los Angeles
- Predicted CT would take over neurology.
- Embrace it-Get on Board or be left at the station
- First President of ASN.
- Won Lasker Award for his original work on basis of CT in 1975.

William Oldendorf MD- First President of the ASN-we were the beneficiaries of his accomplishments
At his funeral, the following was said:

- "Bill's mind was Einstein's universe, finite, but boundless. Always reaching into spheres you wouldn't imagine."
- These are the words of L. Jolyon West, MD, Chairman of Psychiatry at UCLA.
- Bill died from the complications of heart disease on December 14, 1992. The scientific community has been well aware of his prodigious research and fundamental observations in blood-brain barrier mechanisms, cerebral metabolism, and perhaps most importantly, the principles of computed tomography.

First CT Scanners

- Mass General
- Mayo Clinic
- Rush Medical School-Neurology Dept
- 4th- Bill Kinkle, Dent Neurologic Institute, Buffalo, NY
- 16th- Bill Stewart in Atlanta

Jim Toole pushed the AAN to get involved

- Ad hoc committee on neuroimaging formed.
- This later morphed into the ASN.
- The first name for ASN was the Society for Computerized Tomography and Neuroimaging.
- Oldendorf knowing what was coming, pushed for ASN.

William Kinkle MD- second President of ASN-the real father of the ASN.
Bill Kinkel

- Directed the first special course on neuroimaging in 1976. Ever since then, the course has been under the direction of members of the ASN.
- When asked who was the first person to propose him for the course, the answer was Jim Toole—later the 7th President of the ASN.
- Bill K met Oldendorf who took over the physics part of the course and made it a sensation.

Jack Greenberg MD- Third President

My two favorite memories:

- 1. Chairman of Radiology at my hospital in Philadelphia “Cat Scanning is a passing fancy”- June, 1973. This opened the field up to myself and others. I am forever grateful to his memory.
- 2. Salzburg, Austria 1989- Oldendorf presented with city medal by the Mayor. He invited me to come along. The Mayor, a huge man with a tuxedo and a large red sash plus medals on his jacket, opened his remarks by welcoming “Professors Oldenberg and Greendorf.”

William Stuart MD fourth President
Bill Stuart

- Remarkable organizational and business skills.

Larry Jacobs MD- Fifth President

Larry Jacobs

- In the mid-eighties, he developed an interest in Multiple Sclerosis and as he developed important research in this area, his attention drifted away from the ASN. His work on the CHAMPS study was published as the lead article in the New England Journal of Medicine in September 2000. This work showed that interferon prevented the conversion to clinically definite MS. Later the Harvard Health Letter named this article among the top 10 most important medical advances of the year.

Leon Prockop MD-6th President
Leon Prockop

- Father of the Journal

Ilydio Polachini - 10th president of the ASN

- At a symposium dedicated to him after his passing, Bob Quencer, Chairman of Radiology and a renowned neuroradiologist said that Ilydio knew more about the Physics of MR than most neuroradiologists. He had one course in physics at the Western Michigan College. Phillips used him as a beta test site. He also developed MR myelography and contributed to the development of MR angiography. A Dent trained clinical neurologist and delightful colleague.

Medical Resources, a company with 65 centers-sponsored courses.

- Ilydio and I traveled the country educating neurologists in the interpretation of MR and CT.
- Later, Rob Bakshi and several neuroradiologists joined us, including Bob Quencer from Miami in this endeavor which was in preparation for the exams given by the ASN.
Archival Disc from meeting in 1992.

- Oldendorf, Kinkle, Stuart, Greenberg and Prockop spoke.
- Good historical perspective of the founders.
- Some prophesized that in 10 years certain things would happen. The most optimistic was that the turf wars will cease and Neurology and Neuroradiology and Neurosurgery would finally get together in one department of neuroscience.
- Other than some European universities, where has this happened???

- Dr. Kinkel will continue the history.