

# *The Legacy Of Bo Lindell*

*ICRP Scientific Secretary 1957-62, ICRP Chair 1977-85*

**Jack Valentin**

**ICRP Scientific Secretary 1997-2008**



- **The scientist**

*Brilliant physicist, dedicated utilitarian*

- **The administrator**

*Mild yet determined leader of a government authority*

- **The author**

*Popular and popularising*

- **The man**

*Kind, never vain, empathic*

Professor Bo Lindell TD $hc$  FRSAES, 1922-2016

# ***The Scientist***

# *The Greatest Happiness For The Greatest Number*

- **Collective dose and its importance**

*Almost overly logical!*

- **Optimisation and differential cost-benefit analysis**

*Leading to the 1977 ICRP Recommendations which he penned*

- **Dose commitment**

*The need to regulate the equilibrium level, not just a single year's release*

- **The tall smoke stack problem**

*Diluting pollution does not help if more people are exposed*

**More on this in Sigurður's overview later this morning!**

# *1978 ICRP MC Meeting*



**John Dunster, David Sowby (SciSec), Bo Lindell (Chair),  
Dan Beninson (Vice-Chair), Henri Jammot (C4 Chair)**

# ***The Administrator***

# *Admirable Career; Inclusive Attitude*

- **Started 1948 at Sievert's Institute of Physics**  
*A fresh graduate from the Royal Institute of Technology*
- **Succeeded Sievert 1965 as Head of the licensing authority**  
*'Retired' in 1982 but stayed on for 20 years as an emeritus adviser*
- **Fearless towards government; respectful towards staff**  
*But he could be finicky about correct travel claims, etc.*

*1975: Bosse, Dan Beninson, Julian Liniecki*



*The Author*



# *For Pleasure And For Benefit*

- **In his early years, wrote mystery stories which were broadcast**

*How did he find the time...?!?*

- **Always responded conscientiously to letters from the public**

*'They may still disagree, but they should get the facts'*

- **'Nuclear power, man, and safety' 1972**

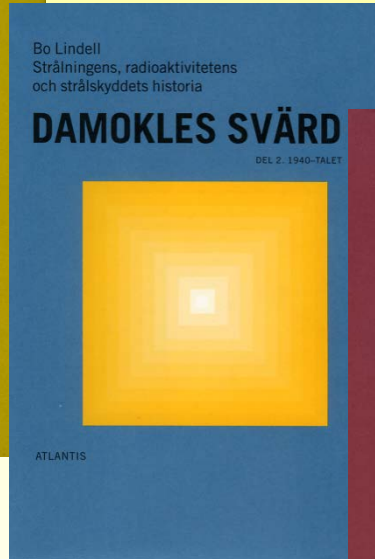
*With Sven Löfveberg*

- **And his magnum opus, 1996 – 2011...**

# *Bo Lindell: The History of Radiation And Radiological Protection*



**Pandora's Box**



**The Sword of Damocles**



**The Labour of Hercules**



**The Pains of Sisyphus**

# *1992, At Work In His Emeritus Room*



***The Man***

# *The Message Is Vital, The Messenger Is Not*

- **Taught ALL staff basic radiological protection**  
*‘Even the cleaners are our ambassadors in their spare time’*
- **Listened carefully and interestedly to younger staff**  
*During coffee breaks, all were equal*
- **Very keen on providing opportunities for newcomers**  
*Experts must be raised, they cannot just be recruited*
- **Competence is not gender dependent!**

# *2012: Bosse's 90<sup>th</sup> Birthday*



## *2013: Describing Early Days*



## *To Summarise:*

- **COMPETENT**

- **UTTERLY HONEST**

*Always ready to admit mistakes*

- **COURAGEOUS**

*Never hesitated to express politically unwelcome facts and feelings*

- **CURIOUS**

*Showed a genuine interest in people who dissented with their views*