

## BIOGRAPHICAL DATA

- 1917, June 17 Born in Tallinn to the family of a naval officer and a school teacher
- 1925–1935 Studies in Tallinn at H. Kubu private school (1925–1929), Tallinn Real School (1929–1931), Gustav Adolf Gymnasium (1931–1935)
- 1935–1936 Studies at Tartu University
- 1936–1940 Studies at Tallinn Technical Institute (renamed Tallinn Technical University in 1938), a member of the academic students' club *Liivika*, twice elected a member of the Tallinn Students' Board
- 1937–1941 Simultaneously to studies work at the design department of Franz Krull Engineering Plant under the guidance of Prof. P. Scheloumov  
Participation in designing Glen Davis Shale Oil Plant in Australia and Maardu Phosporite Concentration Plant in Estonia
- 1940 Graduation from Tallinn Technical University with *cum laude* diploma of mechanical engineer
- 1941 Beginning of post-graduate course at the Department of Mechanical Engineering at Tallinn Technical University (renamed Tallinn Polytechnical Institute in April 30, 1941) under the supervision of Prof. H. Einberg
- 1941–1942 Mobilized to Soviet Army, sent to Sverdlovsk Region (Russia) in the ranks of the Labour Battalion, later of the Reserve Rifle Squad
- 1942–1944 Engineer in Sverdlovsk *Uralteploelektroprojekt* Design Institute (Russia), a substitute for chief engineer of a design team at construction of power plants
- 1944–1946 Work at reconstruction of Estonian oil shale industry, the head of the Department of Power Engineering and Mechanics of the Ministry of Oil Shale and Chemical Industry of the Estonian S.S.R.
- 1946–1968 Work at Tallinn Polytechnical Institute taking part in designing, constructing and testing of oil-shale-fired power plants (Kiviõli, Kohtla-Järve, Ahtme, Sillamäe, Baltic and Estonian thermal power plants, and a 500 MW energy block in Nazarovo (Russia))



Fishing with his son Andres, the 1950s



Andres Õpik and Peep Varju, 2001



The dean of the Faculty of Chemistry of Tallinn Technical University prof. Andres Õpik (born 1947) inaugurating P. Kogerman's commemorative exhibition in 2001. From left: prof. J. Soone, prof. *emer.* V. Mikkal, dr. J. Petuhhov, prof. A. Keevallik prof. A. Õpik

The best trout fisher  
at Valgejõe, spring 1993



In Palmse castle, 1994

October 1995



- 1946 Elected an assistant professor of the Thermal Engineering Department of Tallinn Polytechnical Institute
- 1947, February Professional certification of an assistant professor
- 1953, June Commencement of the dissertation "On Sintering of Fly-Ash Deposits on the Heating Surfaces by Utilizing Estonian Oil Shale" for the degree of Candidate of Sciences (Ph.D.) at Tallinn Polytechnical Institute
- 1954, March The Ph.D. degree was confirmed
- 1957–1968 The head of the Thermal Engineering Department of Tallinn Polytechnical Institute
- 1960 Founder of the Research Laboratory of Thermal Engineering Department of Tallinn Polytechnical Institute
- 1962 Elected the professor of the Thermal Engineering Department of Tallinn Polytechnical Institute
- 1963, March Commencement of the dissertation "The Influence of Inorganic Matter of Oil Shale on the Conditions of Boiler Operation" for the degree of Doctor of Sciences at the Moscow Institute of Power Engineering
- 1963, June The doctor's degree was confirmed
- 1963, October Professional certification of a professor
- 1967, March Elected a corresponding member of the Academy of Sciences of the Estonian S.S.R. in the field of physics
- 1968–1977 Secretary-Academician of the Department of Physics, Mathematics and Engineering of the Academy of Sciences, a member of the Presidium of the Academy
- 1969–1975 Professor of the Thermal Engineering Department of Tallinn Polytechnical Institute
- 1970 The prize of Soviet Estonia for elaboration of "Scientific Basis for Utilization of Estonian Oil Shale for Power Production"
- 1972, April Elected a member of the Academy of Sciences of the Estonian S.S.R. in the field of heat physics
- 1977–1987 Vice-President of the Academy of Sciences of the Estonian S.S.R.  
Member of the Bureau of the Department of Physics, Mathematics and Engineering at the Academy of Sciences  
Chairman of the republican council (at the Presidium of the Academy of Sciences) for studying the Baltic Sea and inland waters  
Member of the editorial and publishing board of the Academy of Sciences

**ON HIS 80TH BIRTHDAY, JUNE 17, 1997**



Lia and Ilmar Öpik

Son Andres Öpik with his wife



Congratulations from prof. A. Jahkola





At a family gathering after the official reception of the President of the Estonian Republic, 1997 (one of the favorite photos)

**Prize of Gratitude from the Open Estonia Foundation  
delivered in the White Hall of the *Estonia* Theatre, 2001**



Arvi Hamburg, Ilmar and Lia Öpik

Ilmar Öpik and Karl Tamjärv



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|------------------------------------|---|
| 1980                               | State prize of the U.S.S.R. – co-author of the study<br>“Novel Power Plants Fired by Local Fuel – Oil Shale:<br>Construction and Exploitation in Estonia”             |
| 1982, April                        | The honorary rank of merited scientist<br>of the Estonian S.S.R.  |
| 1984, October                      | The K. E. von Baer Memorial Medal   |
| 1984–1996                          | Editor-in-Chief of the journal OIL SHALE  |
| 1987, October                      | Adviser of the Presidium of the Academy of Sciences<br>of the Estonian S.S.R.   |
| 1987, December –<br>1990, December | Member of the Bureau of the Department of Informatics<br>and Technical Physics of the Academy of Sciences<br>of the Estonian S.S.R.                                   |
| 1990, August –<br>1992, January    | Member of the Governmental Council<br>of the Estonian Republic  |
| 1991, April                        | Member of the Estonian Oil Shale Council  |
| 1991, December                     | The Paul Kogerman Memorial Medal  |
| 1991–1999                          | Member of the Oil Shale Council<br>at the Estonian Academy of Sciences  |
| 1992, June                         | Elected a Foreign Member of the Finnish Academy<br>of Technology  |
| 1993                               | Member of the State Price Committee<br>of Oil Shale and Electricity Prices  |
| 1994–1998                          | The head of the same committee  |
| 1993–1994                          | Adviser of the Ministry of Economic Affairs<br>of the Estonian Republic   |
| 1996                               | The national science prize for long productive work   |
| 1996                               | Order of National Coat of the Arms 3 <sup>rd</sup> Class  |
| 1997                               | Professor <i>emeritus</i>   |
| 1998–1999                          | Member of the governmental expert commission for<br>evaluating economical problems of oil shale mining and<br>utilization, and for making proposals to the Government |
| 1999                               | Expert of the governmental commission<br>on oil shale energetics  |
| 1999–2001                          | Member of the Energy Council<br>at the Estonian Academy of Sciences   |
| 2000                               | Independence Day prize of gratitude<br>of the Open Estonian Foundation  |
| 2001, July 29                      | Died in Tallinn   |



At home on his 84th birthday, June 17, 2001