

*75 Years Chemistry:
Re-Reading*

Part V-A

*by Randolph Riemschneider
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75 Years Chemistry: Re-Reading - Part V-A

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75 Years Chemistry: Re-Reading
Part V-A

RANDOLPH RIEMSCHEIDER
75 Jahre Chemie - Nachlese

***75 YEARS CHEMISTRY
RE-READING***

Part V-A

*In memorial
Professor Dr. Karl Lohmann,
who discovered adenosine triphosphate (ATP)*

ATP is one of the most important compounds in biological chemistry. Amongst other "energy-rich compounds" ATP is responsible for energy transfer and is therefore as important as amino acids are for proteins or as enzymes are for biochemical reactions in general

Lohmann isolated and identified ATP in 1929¹, which was confirmed in 1947 by Cook at the first German Chemical Congress in Bonn after WW2. Lipmann introduced the term "energy-rich compound" for ATP in 1941. Riemschneider replaced this term in his 1944 lecture given in Jena by "compounds having increased phosphate transfer potential.

In October 1946, the author had the opportunity to meet Lohmann in person presenting him with his habilitation paper and discussing the mentioned terms. Lohmann accepted and defended the post-doctoral thesis and agreed also with the 1944-term for ATP.

A debt of gratitude was honoured in Part IV on p 953², describing in detail what and how much the author owes to Lohmann. Lohmann certainly laid the foundation of Riemschneider's university career: documents on p. 348/9. There is a foto LOHMANN on p 149, Part V-A

*Randolph Riemschneider,
Berlin 2012*

¹ published in the 1930ies; cf. Part I, p 121/2

² on page 953 hint is given to Riemschneider's Mitteilungen des Physiologisch-chemischen Institutes, Berlin 1947-1950 and to Lohmann's Certificate published in Part III, p 426 (not in Part I): cf. also next page but one, page 8

Mitt. Physiolog.-chem. Inst., Bin. R. _____

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