

GENEALOGY DATABASE ENTRY

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Voit, Carl von

1831 - 1908

DEGREE: MD

DATE: 1854

PLACE: Munich

TEACHER/RESEARCH ADVISOR: Pettenkofer/Liebig

made first determination of the amount of fat, protein, and carbohydrate broken down by the body; proved the equality of total input of carbon, hydrogen, nitrogen, and oxygen with output of these elements in metabolic products excreted and exhaled by animals on constant diets; founded study of metabolic activity as guide to disease; disproved idea that protein is the source of muscle energy; investigated nutritive value of many substances including asparagine and peptones, which led to discovery of essential amino acids; devised first calorimeter large enough for studies of human metabolism.

1. *Dictionary of Scientific Biography*; Charles Scribner's Sons: 1970-1990; vol. 14, p63-67.
2. *Annals Med. Hist.* **1931**, 58, 583-594.
3. Asimov, I. *Asimov's Biographical Encyclopedia of Science and Technology (2nd Ed.)*; Doubleday: 1982; p453-454.
4. *Z. Biol.* **1932-3**, 75, 1-10.
5. *Deut. Med. Wochenschr.* **1908**, 34, 340-341.
6. Lusk, G. *Nutrition*; Hafner Publ. Co.: 1964; p103-125.
7. Rothsuh, K. E. *History of Physiology*; Risse, G. B., transl.; Krieger Publ. Co.: 1973; p293-295.