

# GENEALOGY DATABASE ENTRY

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Bunsen, Robert Wilhelm Eberhard

1811 - 1899

DEGREE: PhD

DATE: 1830

PLACE: Göttingen

TEACHER/RESEARCH ADVISOR: Stromeyer

discovered organo-arsenic compounds (and first effective antidote for arsenic poisoning!); invented the spectroscope and co-founded (with Kirchhoff) spectrochemical analysis; discovered (with Kirchhoff) cesium and rubidium, and isolated lithium; co-founded (with Roscoe) field of photochemistry and discovered photochemical induction periods; expert on gas analyses and wrote influential text on gasometric methods; invented Bunsen burner; first to propose correct explanation of the operation of geysers; developed first large-scale electrolytic process for the production of magnesium metal.

1. Asimov, I. *Asimov's Biographical Encyclopedia of Science and Technology (2nd Ed.)*; Doubleday: 1982; p374-375.
2. *Dictionary of Scientific Biography*; Charles Scribner's Sons: 1970-1990; vol. 2, p586-590.
3. *A Biographical Dictionary of Scientists*; Williams, T. I., Ed.; Wiley: 1969; p88-89.
4. *Great Chemists*; Farber, E., Ed.; Interscience: 1961; p573-581.
5. Partington, J. R. *A History of Chemistry*; Macmillan: 1964; vol. 4, p281-293 and p721-728.
6. Weeks, M. E. *Discovery of the Elements (7th Ed.)*; Leicester, H. M., Ed.; J. Chem. Ed.: 1968; p596-606.
7. *J. Chem. Soc. Trans.* **1900**, 77, 513-554.
8. *J. Am. Chem. Soc. Proc.* **1900**, 22, 89-107.
9. *Science* **1899**, 10, 447-451 and 865-870.
10. *Chem. Ber.* **1899**, 32, 2535-2539.
11. *Chem. Ber.* **1908**, 41, 4875-4910.
12. *Mem. Lect. Chem. Soc.* **1893-1900**, 1, 513-554.
13. *Nature* **1881**, 23, 597-600.
14. *Proc. Roy. Soc.* **1905**, 75, 46-49.
15. *Neue Deutsche Biographie*; Duncker & Humblot: 1953-1990; vol. 3, p18-20.
16. Lockemann, G. *Robert Wilhelm Bunsen*; Wissenschaftliche Verlagsgesellschaft: 1949.
17. Debus, H. *Erinnerungen an R. W. Bunsen*; T. G. Fisher & Co.: 1901.
18. Ostwald, W.; Bodenstein, M. *Gesammelte Abhandlungen von R. Bunsen*; Wilhelm Engelmann: 1904; vol. 1, p xiii-cxxvi.
19. *Das Buch der Grossen Chemiker*; Bugge, G., Ed.; Verlag Chemie: 1930; vol. 2, p78-91.