

- elevation of systolic blood pressure by means of renal ischemia. *J Exp Med* 1934; 59:347–79
4. Vane JR: The history of inhibitors of angiotensin converting enzyme. *J Physiol Pharmacol* 1999; 50:489–98
  5. Hollenberg NK, Williams GH, Burger B, Ishikawa I, Adams DF: Blockade and stimulation of renal, adrenal, and vascular angiotensin II receptors with 1-Sar, 8-Ala angiotensin II in normal man. *J Clin Invest* 1976; 57:39–46
  6. Williams GH, Hollenberg NK: Accentuated vascular and endocrine response to SQ 20881 in hypertension. *N Engl J Med* 1977; 297:184–8
  7. Cushman DW, Ondetti MA: History of the design of captopril and related inhibitors of angiotensin converting enzyme. *Hypertension* 1991; 17:589–92
  8. Rabinad Estrada E, Ingelmo Morin M, Martinez Amenos A, Alsina J, Balcells Gorina A: Captopril in essential hypertension. *Br J Clin Pharmacol* 1982; 14(Suppl 2):103S–5S
  9. Rutherford JD, Pfeffer MA, Moyé LA, Davis BR, Flaker GC, Kowey PR, Lamas GA, Miller HS, Packer M, Rouleau JL: Effects of captopril on ischemic events after myocardial infarction. Results of the Survival and Ventricular Enlargement trial. SAVE investigators. *Circulation* 1994; 90:1731–8

## ANESTHESIOLOGY REFLECTIONS FROM THE WOOD LIBRARY-MUSEUM

### Drs. Marcus and Gledhill: Short-lived Partners Using Long-lived Laughing Gas



Two pheasants grace the obverse (*right*) of this dental trade card from Drs. Marcus and Gledhill of Philadelphia, Pennsylvania. Sadly, both of these dentists and even their dental partnership were all short lived. The Marcus–Gledhill partnership was only advertised for a single year, in the 1889 directory for Philadelphia, Pennsylvania. Born in England, the senior dental partner, Dr. Thomas C. Gledhill (1866 to 1900), earned his D.D.S. in 1886 at the Philadelphia Dental College, Philadelphia, Pennsylvania. Unfortunately, he would succumb to tuberculosis by the age of 34 years. Born in Paris, France, to an Austrian father and Romanian mother, Dr. Herman D. Marcus (1870 to 1910) immigrated to the United States in 1884 before advertising himself in 1889 as the dental partner fluent in French, German, English, “and several other languages.” After abandoning his senior dental partner, Dr. Marcus earned his M.D. in 1891 from the Medico-Chirurgical College of Philadelphia, Philadelphia, Pennsylvania. By June 1910, after moving to Atlantic City, New Jersey, the 40-year-old Dr. Marcus committed suicide with cyanide. Although both dentists were short lived personally, their brief Marcus–Gledhill dental partnership administered laughing “gas” (*left*), a general anesthetic in use from 1844 to this day. This trade card is part of the Ben Z. Swanson Collection of the Wood Library-Museum. (Copyright © the American Society of Anesthesiologists’ Wood Library-Museum of Anesthesiology.)

George S. Bause, M.D., M.P.H., *Honorary Curator and Laureate of the History of Anesthesia, Wood Library-Museum of Anesthesiology, Schaumburg, Illinois, and Clinical Associate Professor, Case Western Reserve University, Cleveland, Ohio. UJYC@aol.com.*