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Thomas Jefferson University - A chronological history and alumni directory, 1824 - 1990, edited by Frederick B. Wagner, Jr., MD, and J. Woodrow Savacool, MD, 1992.

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Jefferson History and Publications

January 1992

## Part I: Jefferson Medical College 1846 to 1854 (pages 55-88)

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The effectiveness of the strong Faculty of 1841 was manifested by a graduating class that numbered 170, the largest in the history of the College to that date. This is not surprising in view of the fact that the enrollment during the previous year had been 469 students, representing the largest in any institution of its kind in the United States.

On October 16, 1846, a dentist, William Morton, gave the first successful public demonstration of anesthesia in the world at the Massachusetts General Hospital. It has been considered by many to be the greatest blessing which mankind ever received. At Jefferson, the new discovery was quickly applied. On December 23, 1846, just two months later, Thomas Dent Mutter (Fig. 37) administered the first anesthetic in Philadelphia at his Jefferson Clinic for removal of a tumor of the cheek. Dr. Mutter is also remembered for having donated his private museum to

the College of Physicians of Philadelphia along with an endowment of thirty thousand dollars for a Lectureship in Surgical Pathology (Fig. 38). His museum and lectureship have remained active until the present time and have so overshadowed his career that many are unaware that he was ever a Professor of Surgery at Jefferson (1841-1856).

In 1846 the Medical College building was renovated and enlarged (Fig. 39). Six Corinthian columns graced the facade erected in the form of a Grecian temple. The upper and lower lecture rooms were enlarged to seat 600 students as opposed to the previous 450. The upper lecture hall was a "pit" in which surgery was performed and in which the *Gross Clinic* by Eakins would be painted in 1875. A connection was also made into the upper floor of the adjacent store as a miniature hospital, representing a precursor of the subsequent formal 1877 teaching hospital.

CLASS OF 1846

Adams, Nelson A., PA  
 Almand, John J., VA  
 Antrim, Joseph, VA  
 Archer, William C., VA  
 Ashcraft, William, PA  
 Baker, Dorsey Syng, IL  
 Banks, William A., ME  
 Bartolette, Charles, NJ  
 Baskin, George W., PA  
 Batte, John W., TN  
 Bigelow, George F., DC  
 Billon, Eugene, France  
 Boardman, Henry K. W., CT  
 Bold, Charles M., SC  
 Boyer, David P., PA  
 Brinker, Thomas H., PA  
 Brown, Edward W., SC  
 Bulkeley, Jonathan W., PA  
 Bunn, Benjamin F., PA  
 Burwell, George W., SC  
 Bythewood, Daniel H., SC  
 Campbell, Clark C., AL  
 Campbell, John A., VA

Chase, Dwight W., NY  
 Clements, Richard, PA  
 Coffman, Samuel A., VA  
 Cole Algernon S., FL  
 Copeland, Adoniram Judson, ME  
 Craddock, John W., VA  
 Crowder, John V., VA  
 Custis, John T., VA  
 Dickey, Benjamin, CANADA  
 Duffield, Edward, MD  
 Duncan, William C., MO  
 Duncombe, Charles, CANADA  
 Edge, John P., PA  
 Ellmaker, Thomas, PA  
 Evans, Dickson, NC  
 Everett, Azariah, OH  
 Ewing, William P., VA  
 Fant, Francis M.E., SC  
 Farmer, Henry H., VA  
 Fisher, Frederick B., VA  
 Fontaine, Madison R., VA  
 Fox, Henry Haines, PA  
 Frantz, Benjamin, PA

Gamble, Aaron, PA  
 Garner, Presley K., NC  
 Garrett, James R., VA  
 Gibson, Alexander, VA  
 Gill, Robert T., NY  
 Gilliams, James S., PA  
 Gorman, Charles R., PA  
 Graves, S. Waterman, MA  
 Gulley, William, AL  
 Hardy, George E., VA  
 Haynes, James H., VA  
 Hegins, Thomas G., PA  
 Hendry, Bowman, NJ  
 Holcombe, Hugh W., VA  
 Howland, David R., OH  
 Hoyt, John Jay, PA  
 Huey, James E., PA  
 Hughson, Walter, NY  
 Humphreys, Joseph D., VA  
 James, J. Sexton, PA  
 Jenkins, William H., AL  
 Johnston, Joseph R., NC

Jones, Edwin A., GA  
 Jones, John H., VA  
 Kern, Josiah, PA  
 Laird, Alexander T., VA  
 Lambeth, Lafayette W., VA  
 Lasell, Samuel M., NY  
 Leaming, J. Furman, NJ  
 Leasure, Daniel, PA  
 Leinaweaver, George, PA  
 Lenoir, Benjamin B., TN  
 Lewis, David William, PA  
 Lewis, Francis West, PA  
 Lewis, Magnus M., VA  
 Lingo, Douglass, PA  
 Longenecker, John Henry, PA  
 Longshore, Ashbel B., PA  
 Marable, George B., VA  
 Mauk, John B., PA  
 Mauzy, Charles K., VA  
 Mayes, Thomas A., SC  
 McClure, Samuel, PA  
 McClurg, John R., PA



Fig. 37. Thomas Dent Mutter, M.D., Chairman of Surgery (1841-56).



Fig. 38. Museum in College of Physicians of Philadelphia donated by Professor Mutter.

McConaughy, Francis M., PA  
McFarland, John, PA  
McKennie, Marcellus, VA  
Meares, John L., NC  
Meiere, William S., PA  
Miller, Andrew, PA  
Milner, Amor C., PA  
Musser, Benjamin, PA  
Negly, Eliab, PA  
Nelson, Robert B., VA  
Nelson, Robert William, VA  
Nevin, William W., PA  
Niblock, William G., PA  
Nichols, Thomas G., MA  
Notson, William, PA  
Noyes, James, RI  
Nute, William G., KY  
Ord, James Lycurgus, MI  
Osborne, William E., VA  
Osler, Owen, PA  
Otey, Paul H., TN  
Palm, Philip R., PA  
Patterson, James V., PA

Paul, John H., NH  
Pearis, Robert A., VA  
Perkins, Thomas H., VA  
Phillips, Dinwiddle B., VA  
Postlethwaite, Samuel, PA  
Read, Albert N., OH  
Reed, Thomas Sydenham, NJ  
Rhees, Morgan J., PA  
Richards, Buchan, VA  
Rile, John H., PA  
Robards, James, TN  
Robertson, John H., MD  
Rogers, Moses, MA  
Rust, George W., VA  
Scales, James T., TN  
Schmeltzer, George Jr., PA  
Seebold, John P., PA  
Sergeant, Spencer, PA  
Seymour, William J., VA  
Shackelford, Edmond D., MO  
Shallenberger, Aaron T., PA  
Shands, Aurelius R., VA  
Shelley, Benneville Y., PA



Fig. 39. The 1846 renovation of Medical Hall (Ely Building) with addition of a Grecian facade.

Shindel, Isaac N., PA  
Shunk, Francis R., PA  
Sides, Benjamin F., PA  
Sidwell, Reuben, PA  
Sifre, Santiago, WEST INDIES  
Simpson, James F., NC  
Sloanaker, Lewis M., PA  
Smith, Edward M., PA  
Spencer, H. Gordon P., NY  
Spindle, Thomas G., KY  
Steiner, Josephus M., MD  
Stephenson, James William, VA  
Stuart, James, VA  
Thomas, John C., MD  
Thornbury, Philip, KY  
Treadwell, Robert O., PA  
VanBuskirk, George, PA

Vastine, John S., PA  
Wallace, John W., PA  
Webb, Henry Young, AL  
Webb, Samuel, TN  
Wetherill, William, PA  
Whaley, James E., SC  
White, Wistar T., VA  
Whitley, James, NY  
Whitney, Marshall G., PA  
Wild, Augustus Edward, MA  
Williams, Sidney Hampden, NC  
Williamson, Duncan, PA  
Wilson, James Potter, PA  
Wilson, John, PA  
Wilson, Miles A., VA  
Winfield, Benjamin F., VA  
Winfield, John Q., VA



Morton's demonstration of ether anesthesia at Massachusetts General Hospital, October 16, 1846.  
(Courtesy of Parke, Davis and Co.)

At the Commencement held in Musical Fund Hall on March 25, 1847, the degree of Doctor of Medicine was conferred on 181 graduates. The Rev. Cornelius C. Cuyler officiated in the absence of Board President, the Rev. Ashbel Green (Fig. 40), who at that time was 85 years of age and destined to die the following year. The Address was delivered by Professor Robley Dunglison.

Among the graduates was Robert Gibbon of North Carolina, the father of John Heysham

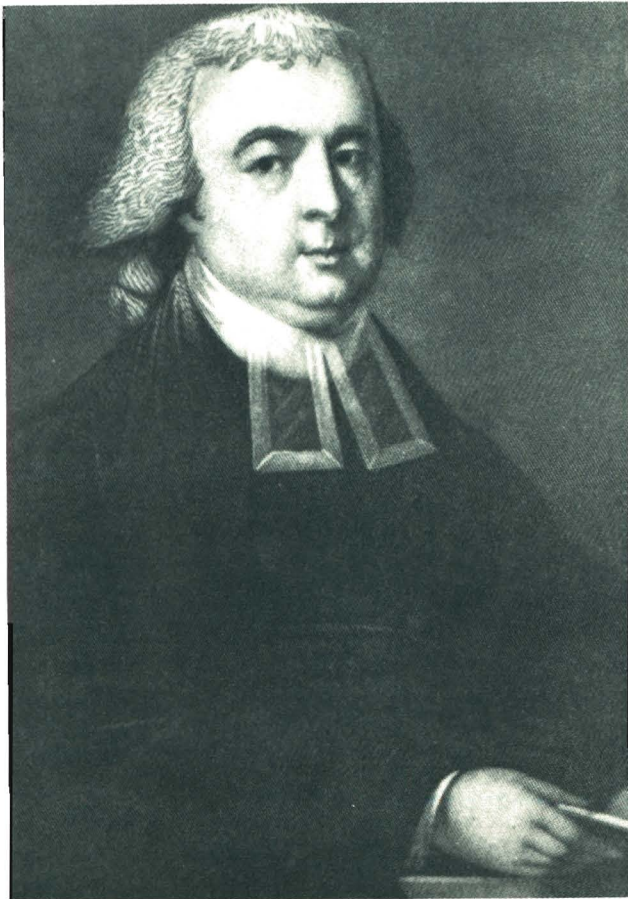


Fig. 40. The Reverend Ashbel Green, D.D., LL.D., First President of the Board of Trustees (1826-48).

Gibbon, Professor of Surgery at Jefferson (1907-1931), and grandfather of John Heysham Gibbon, Jr. (Professor of Surgery, 1946-1967, who developed the heart-lung machine). Robert Gibbon conducted a large surgical practice in Charlotte and was a Brigadier-Surgeon in the Confederate Army during the Civil War.

Of international significance was the career of John Glasgow Kerr, a native of Duncansville, Ohio. Contrary to the current lack of formal pre-medical preparation, Kerr had two years of college work at Denison University, medical apprenticeship to two Maysville, Kentucky, physicians, and a medical school course at Transylvania University. Following six years of practice in Ohio, he went to China as one of the first medical missionaries sent by the Presbyterian Board of Foreign Missions. In 1855 he became Director of the Medical Missionary Society, Canton, China, and was responsible for many innovations in Chinese medicine. These included the founding of the first hospital for the insane in China and translation of medical works into Cantonese. He trained Chinese personnel in Western medicine and continued this devotion to his career until his death in 1901. Among his medical students was Dr. Sun Yat Sen, first President of the Republic of China.

Greensville Dowell, a native of Virginia, settled in Galveston, Texas, where he became publisher of the first Texas medical periodical, *The Galveston Medical Journal*, in 1870. He was Professor of Surgery in the Texas Medical College (1865-1867) and also developed a hernia repair known as "Dowell's Operation." In 1876 he published a book on *Yellow Fever and Malarial Disease* in which he suggested that yellow fever might be related to microorganisms and mentions vector transmission. He was honored with gold medals for his work during yellow fever epidemics in Memphis and New Orleans.

Addison, Robert K., NEW BRUNSWICK  
 Ashley, William, GA  
 Atkinson, Edward C., PA  
 Baker, A. H., OH  
 Baker, Andrew J., NH  
 Barber, John E., PA  
 Barclay, Michael W., VA  
 Bates, Solomon A., VA  
 Beale, Stephen T., PA  
 Bell, William S., TN  
 Billups, Robert A., AL  
 Blackburn, Joseph W., PA  
 Boone, James, MD  
 Bournonville, Aug. C.H., PA  
 Boutelle, Nathaniel R., ME  
 Briceland, J. Milton, VA  
 Briggs, Henry C., VA  
 Brown, Marcus A., OH  
 Burton, John J., VA  
 Byers, William J., PA  
 Carter, John, VA  
 Chambers, William H., VA  
 Chapman, Charles G., CT  
 Clapp, William A., IN  
 Clarke, John E., NC  
 Clary, Charles S., KY  
 Cobb, Benjamin F., NC  
 Cobb, Henry, VA  
 Coleman, James W., VA  
 Craige, Thomas W., PA  
 Curtis, Levi, CT  
 Dawson, John, EAST INDIES  
 DeHart, John N.E., LA  
 Derr, Rufus M., VA  
 Dillard, Peter H., NC  
 Dowell, Greensville, TN  
 Dubois, John Treon, OH  
 Eastman, Henry, NH  
 Edwards, James, PA  
 Eichelberger, Lewis S., VA  
 Eliason, Talcott, VA  
 Few, Samuel F., VA  
 Flippen, Marion J., VA  
 Floyd, James B., VA  
 Folsom, Lewis A., GA  
 Foulke, George W., PA  
 Franklin, George A., MD  
 Fuller, Smith, PA  
 Funkhouser, David, VA  
 Gaines, James S., TN  
 Garlick, John W., VA  
 Gayle, Charles M.S., VA  
 Geiger, Henry, PA  
 Gibbon, Robert, NC  
 Glassell, Albert S., VA  
 Glentworth, William W., PA  
 Gosweiler, Martin H., PA  
 Hackett, Thomas, MD  
 Hancock, Francis W., VA  
 Harry, Benjamin F., PA  
 Hawkins, Alexander B., NC  
 Hilbish, Daniel J., PA  
 Hogg, Thomas D., NC  
 Hollinsworth, Joseph, NC  
 Hough, De Witt C., PA  
 Hunton, George W., VA  
 Hupp, John C., PA  
 Hutchinson, Thomas D., GA  
 Irwin, Crawford, PA  
 Jackson, Isaac, PA  
 Jackson, James C., NH  
 Jameson, Samuel D.M., MD  
 Joy, Horatio N., NY  
 Keene, Benjamin F., GA  
 Keeney, Jackson P., PA  
 Kerr, John G., OH  
 Kilby, John T., VA  
 Kincaid, John, SC  
 Kurtz, William J., VA  
 Lamb, William D., MA  
 Lewis, Joseph Addison, MO  
 Lindsay, Horace F., NC  
 Linn, Alexander E., PA  
 Locke, Samuel T., NJ  
 Lyon, Emory, MA  
 Marshall, John H.T., MD  
 Marshall, William, DE  
 Martin, George, VA  
 Martin, Robert C., NC  
 McChesney, William S., VA  
 McClenahan, Thomas J., MD  
 McCullough Thomas P., OH  
 McFerran, Joseph A., DE  
 McGuigan, William W., PA  
 McKenney, Jackson L., VA  
 Meeteer, William H., DE  
 Mehard, Samuel S., PA  
 Miller, James L., SC  
 Miller, Langdon, MS  
 Millner, Jesse L., VA  
 Moore, Bird, TN  
 Moore, John R., VA  
 Murdoch, Andrew C., IRELAND  
 Neff, Benjamin, OH

Nisbet, John T., GA  
 O'Farrell, Henry T., NY  
 O'Rorke, James, PA  
 Patterson, Ashmore P., PA  
 Patterson, Robert M., GA  
 Patton, Thomas, VA  
 Pendleton, Samuel H., NC  
 Perkins, Charles W., DE  
 Polk, Thomas G., TN  
 Pratt, Bryce M., VA  
 Quinby, Watson F., DE  
 Reading, John R., PA  
 Reed, Joseph A., PA  
 Reid, John, CANADA  
 Richardson, John, PA  
 Riely, John D., VA  
 Rochelle, John R., VA  
 Rouanet, William, LA  
 Royer, Franklin B., PA  
 Russell, William, TN  
 Rutter, John R., PA  
 Scott, Isaac, VA  
 Scroggs, Andrew A., Jr., NC  
 Shelmerdine, Robert Q., PA  
 Sinex, William G., IN  
 Smith, Elias Ely, PA  
 Smith, James Dickson, GA  
 Smith, Robert M., GA  
 Spears, Thomas M., VA  
 Spencer, James L., VA  
 St. Clair, Thomas, PA  
 Stark, Horatio, MS  
 Starry, John D., VA  
 Stephenson, Robert G., PA  
 Steptoe, Henry C., VA  
 Stith, Robert A., VA  
 Stokes, Josiah H., SC  
 Stout, Daniel M., NJ

Strong, John M., SC  
 Sudler, William J., MD  
 Thom, Allan C., VA  
 Tingley, William H., PA  
 Tinsley, Thomas, VA  
 Torrey, Noah, MA  
 Trafton, Charles T., ME  
 Trammell, Appling D., AL  
 Trenchard, Franklin J., NJ  
 Turner, Thomas H., NC  
 Turpin, Thomas J., VA  
 VanBuskirk, William A., PA  
 VanValzah, Thomas, PA  
 VanVoorhis, John S., PA  
 Walker, Calvin H., TN  
 Walling, Willoughby, KY  
 Wallop, William J.H., VA  
 Ward, Isaiah, PA  
 Wathen, Athanasius, IN  
 Watkins, Henry A., VA  
 Watson, Edward H., PA  
 Weaver, John, PA  
 Weaver, William J., IN  
 Wentworth, George W., NH  
 Wheeler, Claudius B., NC  
 Wheet, Thomas, NH  
 Whiteside, Philip S.P., PA  
 Wiley, George, NJ  
 Wilkings, William C., NC  
 Williams, Elisha, NC  
 Williams, George M., GA  
 Williams, James, TN  
 Williams, Willis A., VA  
 Willson, Richard T., VA  
 Wilson, James R., TN  
 Wimley, George W., PA  
 Wortham, Robert T., VA  
 Yates, La Fayette, KY  
 Yerkes, Harman, PA

*The successful teacher is no longer on a height, pumping knowledge at high pressure into passive receptacles. . . . he is a senior student anxious to help his juniors.*

Sir William Osler (1849-1919)



In this year the Rev. Ashbel Green died (Fig. 40). This 86 year-old clergyman, first President of Jefferson's Board, had served for 22 years. The Commencement Exercises were conducted by the Rev. Ezra Stiles Ely, President pro tempore, whose benefaction had created the Medical College Building at Tenth and Sansom Streets. Professor Joseph Pancoast delivered the address.

Among the 178 graduates was Benjamin Howard Rand (Fig. 41). This alumnus was appointed to the Chair of Chemistry (1864-1877) and he also served as Jefferson's Dean (1869-1873). As a further distinction, his portrait by Thomas Eakins in 1874 preceded that of the *Gross Clinic* by one year and was the first painted by the renowned artist beyond relatives and friends. It is a gem in Jefferson's art collection.

Andrew Jackson Foard was born in Milledgeville, Georgia. Following graduation he served in the Medical Corps of the United States Army where he advanced rapidly and for nine years was Assistant Surgeon General. He resigned at the outbreak of the Civil War to enlist in the Confederacy. He organized the Medical Services of General Bragg's Army and continued in the same capacity throughout the War. In 1867 he was elected to the Chair of Anatomy at Washington University in Baltimore but died in 1868 at the early age of 39 years.

Richard J. Levis of this class became well established in ophthalmic and general surgery (Fig. 42). He was elected Surgeon to the Philadelphia General Hospital in 1859 and two years later Surgeon to the Pennsylvania Hospital



Fig. 41. Benjamin Howard Rand (JMC, 1848), Professor of Chemistry (1864-77) and Dean (1869-73).



Fig. 42. Richard J. Levis (JMC, 1848), Attending Surgeon to the Wills Eye Hospital and Lecturer in Ophthalmic and Clinical Surgery at Jefferson.

where his surgical clinics became popular with Jefferson students. For many years he was Lecturer on Ophthalmic and Clinical Surgery at Jefferson as well as Attending Surgeon to the Wills Eye Hospital. He was a founder and first Professor of Clinical and Operative Surgery at the new Philadelphia Polyclinic and College for Graduates in Medicine and also was active in organized medicine, including a term as Presi-

dent of the Pennsylvania State Medical Society in 1888. He was also a Founding Member of the Philadelphia Academy of Surgery.

William Egbert Rogers, of Tennessee, founded the Memphis Hospital Medical College in 1880 which in 1911 merged with three other medical schools in Memphis to form the Medical School of the University of Tennessee.

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CLASS OF 1848

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Alexander, Gerard, KY  
 Anderson, John B., VA  
 Arnold, Edmund S.F., ENGLAND  
 Ayer, Francis B., NH  
 Baer, Caleb D., MD  
 Bainbridge, Eusebius C., KY  
 Banks, William, AL  
 Baxley, Jabez B., SC  
 Bennett, Trumbull L., NY  
 Benson, Wirt F., TN  
 Bibb, William E., VA  
 Birch, David, IRELAND  
 Birdsell, Sylvester, PA  
 Blain, Hamilton L., VA  
 Bolling, Lenaeus, VA  
 Bolton, James N., GA  
 Bourn, Richard W., MO  
 Bournonville, A., PA  
 Bowen, James W., MD  
 Brass, Andrew J., PA  
 Broadnax, Robert, NC  
 Brookbank, John W., IA  
 Brown, James Henry, PA  
 Brown, John T., PA  
 Bruner, William H., PA  
 Buck, Jonathan, MS  
 Cable, Josiah C., OH  
 Cahall, Thomas, DE  
 Cameron, J. Walton, VA  
 Carr, William W., GA  
 Chambers, John M., PA  
 Chancellor, James E., VA  
 Churchman, Vincent T., VA  
 Clark, George W., VA  
 Clements, L. Morgan, AL  
 Collet, Mark Wilkes, PA  
 Connalley, Repts, VA  
 Crouse, George Jackson, PA  
 Davidson, Charles Edward, VA  
 Davis, John Jr., VA

Dennis, William H., VA  
 Deupree, William J., MS  
 Dice, Reuben B., VA  
 Dixon, Lucius, VA  
 Dodd, Robert J., Jr., PA  
 Doxey, John L., MS  
 Drayton, Edward F., PA  
 Fitzgerald, Edmund, GA  
 Foard, Andrew Jackson, GA  
 Folwell, Joseph N., KY  
 Fort, Moses T., GA  
 Frick, William S., PA  
 Gamble, George M., PA  
 Garnett, James H., VA  
 Gauthreaux, Joseph Justin, LA  
 Gilbert, Julius Caesar, GA  
 Glass, Samuel, OH  
 Green, James S., NC  
 Gresham, Sterling A., GA  
 Guild, La Fayette, AL  
 Gwyn, James D., NC  
 Habersham, Stephen Elliot, SC  
 Halley, Samuel H., VA  
 Hamilton, James, PA  
 Harden, Robert Raymond, GA  
 Harper, John P., MO  
 Harris, Marcus A., VA  
 Hayes, Pliny H., NY  
 Henderson, William J., PA  
 Herr, Henry F., PA  
 Hill, Alonzo A.F., GA  
 Hillsman, William H., VA  
 Hobson, Samuel A., VA  
 Hore, Walter, VA  
 Hottenstein, Cyrus D., PA  
 Houtz, Abraham, OH  
 Howard, Nelson W., NY  
 Howell, George H., PA  
 Humphreys, Benjamin W., TN  
 Hunter, William R., ME

Isbell, Abner C., VA  
Jackson, Samuel, PA  
Jenkins, Paul F., SC  
Jenkins, Robert C., VA  
Jessup, John J., NJ  
Jeter, John W., VA  
Jones, Daniel W., MD  
Jones, Robert Lewis, MS  
Jordan, Watson P., VA  
Kendrick, Oscar C., OH  
Knapp, Franklin A., NY  
Koontz, George H.H., VA  
Ladd, Horace, PA  
Leake, Virginius, TN  
Leatherbury, Edward R., VA  
Levis, Richard J., PA  
Lindsey, Hugh N., MS  
Linn, William H., NJ  
Long, John Wesley, NC  
Long, Reuben K., VA  
Lothrop, James E., NH  
Luther, Martin, PA  
Mackenzie, Thomas G., VA  
Marsden, John H., PA  
Marshall, Theophilus O., VA  
Mason, Edmunds, AL  
McClure, Henry, PA  
McIlvaine, Robert H., NC  
McNail, Thomas A., TN  
Merinar, William H., MS  
Moore, William I., NJ  
Moss, George W., MO  
Moultrie, Alonzo C., GA  
Murphy, Cornelius T., NC  
Murphy, John A., PA  
Nash, John W., VA  
Neblett, Sterling Jr., VA  
Neff, Peter D., PA  
Nicholas, John Thomas, SOUTH WALES  
O'Donnell, William, PA  
Oldham, Robert H., TN  
Osborne, Edward A., NJ  
Owen, Edward, PA  
Palmer, Charles, NH  
Parker, Edward H., MA  
Patterson, Theophilus, NJ  
Peters, Samuel Adams, MO  
Pettus, Luther C., VA  
Philbrick, Samuel R., MA

Phillips, Thomas A., MS  
Preston, Alexander R., VA  
Prince, William E., VA  
Purvey, Richard R., VA  
Ramsay, G. Randolph, GA  
Ramsay, James Graham, NC  
Rand, Howard B., PA  
Reilly, Paul Jones, MO  
Richardson, William L., PA  
Robb, John P., VA  
Robertson, Edwin I., VA  
Robson, George T., VA  
Rogers, William Egbert, TN  
Rooke, Levi, PA  
Sample, John, PA  
Scott, Sameul, PA  
Seltzer, John Horace, PA  
Service, Lecky M., PA  
Smith, Elliott Iverson, GA  
Sutton, James L., PA  
Sutton, Lewis, PA  
Taylor, George T., NJ  
Taylor, James M., PA  
Taylor, Leonidas C., NC  
Terhune, Archibald A., GA  
Tharp, Jonathan, DE  
Tharp, William H., TN  
Thomas, John R., PA  
Thornton, William P., MS  
Timberlake, Phillip, VA  
Tobias, John F., PA  
Todd, Alexander H., MD  
Toombs, Robert E., GA  
Turner, James, PA  
Urquhart, Thomas H., VA  
Vaughan, Thomas B., AL  
Wallace, Robert B., AL  
Walsh, William F., TN  
Walton, Lewis I., VA  
Welsh, William A., AL  
Whitaker, Benjamin F., NC  
White, G. Jefferson, VA  
Williams, William Jr., VA  
Wilson, Andrew J., VA  
Wilson, James A., PA  
Wimbish, James A., VA  
Womble, Pembroke, M., VA  
Wright, John, PA  
Zimmerman, Reuben P., MO

At this time the fee for admission to each of the seven courses in the Medical College was fifteen dollars (\$105 for the session). The matriculation fee was five dollars, payable only once. A charge of thirty dollars was made for the diploma. Good boarding, including heat and light, could be had for three dollars per week.

Of the 188 graduates, one member, Jonathan Letterman, from Pennsylvania, was destined for a brilliant military career (Fig. 43). Upon graduating he entered the Army as an Assistant Surgeon. Eventually he advanced to the status of Medical Director of the Army of the Potomac under President Lincoln. His lasting contribution was the system he devised for prompt evacuation of the wounded during the course of battle (Fig. 44). The Army Medical Center, San Francisco, was named in his honor.

Charles Sutherland, a native of Pennsylvania, became a United States Army officer who from 1890 to 1893 served as Surgeon General of the Army under President Benjamin Harrison with the rank of Brigadier General.

Richard Beverly Cole proceeded to California where he was closely involved in pioneer medical activities. In accord with the times he was soon appointed Surgeon General of the Guard raised by the Vigilance Committee. Upon the founding of the Medical Department of the University of California, he was made its first Dean and Professor of Obstetrics and Diseases of Women and Children. He later served as President of the California State Medical Society and of the American Medical Association.



Fig. 43. Jonathan Letterman (JMC, 1849) devised a pioneer system to remove the wounded from the battlefield.

CLASS OF 1849

Adkins, Isaac Leonard, DE  
 Agard, Aurelius H., OH  
 Azpell, Thomas F., PA  
 Barksdale, Edward F., VA  
 Barksdale, John, VA  
 Bean, Cyrus Beede, NH  
 Bell, Addison A., GA  
 Bell, Aurelius A., OH  
 Bellamy, John T., NC  
 Bierer, Frederick C., PA  
 Bishop, George W., MD

Blackwood, William, PA  
 Blair, John E., MD  
 Bland, William F., VA  
 Blanton, James M., VA  
 Blanton, Philip S., VA  
 Bonifant, Benjamin, MD  
 Brandt, Logan, VA  
 Brolasky, Joseph P., PA  
 Butcher, Joseph Jr., NJ  
 Campbell, Henry H., ME  
 Campbell, Sidney A., PA

Carr, Thomas W., FL  
Carter, John F., VA  
Carter, William Lovering, MA  
Challiss, William L., NJ  
Chew, Robert S., Jr., VA  
Clarke, William J., PA  
Cole, Richard B., PA  
Coues, Samuel F., NH  
Cresler, Alonzo L., PA  
Cresson, Charles M., PA  
Croom, Platt S., AL  
Crowly, Timothy S., IRELAND  
Crump, William Jr., VA  
Darden, David L., AL  
Davis, Benjamin J.B., PA  
Davis, George S., GA  
Dawson, Stephen W., TN  
Day, Fish Hollbrook, NY  
DeLacy, John, PA  
Dent, Eugene T., AL  
Dickinson, Samuel T., VA  
Draper, Isaac Jr., MA  
Drewry, John W., GA  
Durrett, Addison L., VA  
Ellet, Edward C., IL  
Ellis, Joseph W., ME  
Elsom, James R., VA  
Elsom, John W., VA

Eppes, John W., FL  
Ferris, Charles E., DE  
Field, Edward M., ME  
Fish, James S., GA  
Flint, Thomas, ME  
Flournoy, Patrick H., VA  
Garland, Joseph, NH  
Geddes, John, PA  
Graham, Henry W., NC  
Graham, Neill, NC  
Graham, Taylor L., PA  
Groff, Jacob E., PA  
Gunn, Daniel B., NC  
Gunnell, William P., VA  
Hackett, Robert F., NC  
Hardcastle, Alexander, MD  
Hardin, William N., VA  
Harper, Isaac N., PA  
Hatchett, Lewellyn, VA  
Haynes, Robert S., VA  
Heard, Falkner, GA  
Henley, John B.D., TN  
Henry, William S.B., VA  
Hill, Ambrose B., NJ  
Hillman Richard E., PA  
Holt, M. Quincy, VA  
Hoover, George J., PA  
Hornor, Caleb W., NJ



Fig. 44. Letterman's system for removal of wounded from the battlefield.

Hosack, John P., PA  
 Hume., Charles E., VA  
 Hundley, John M., VA  
 Ingraham, Arthur, PA  
 Jackson, William F., ME  
 Jameson, Patrick H., IN  
 Jennings, John C., MO  
 Jennings, Lewis A., VA  
 Johnson, David J., PA  
 Jones, Charles P., MD  
 Jones, Luther M., VA  
 Joy, Henry L., NY  
 Kells, Louis, OH  
 Kimbley, John F., KY  
 Laidley, Thomas M., VA  
 Latimer, Joseph T., VA  
 Letterman, Jonathan, PA  
 Lindley, Horace S., OH  
 Livingood, Michael T., PA  
 Long, Samuel H., PA  
 Lyman, Joseph W., PA  
 Mahon, Ormsby S., PA  
 Marr, William P., PA  
 McCarty, James B., VA  
 McClelland, William F., OH  
 McElwee, Andrew, OH  
 McFarland, Henderson, LA  
 McGruder, Zachariah S., VA  
 McReynolds, John O., KY  
 Meares, William B., NC  
 Mendenhall, Thomas J., OH  
 Moody, David J., VA  
 Moore, James E., VA  
 Morrison, James, PA  
 Morton, William J., VA  
 Murdock, John N., MA  
 Niccolls, Robert, PA  
 Nofsinger, William R., IN  
 Northington, William H., VA  
 Page, James H., OH  
 Page, John T., NH  
 Palm, James P., PA  
 Parker, James Jr., PA  
 Parker, Theodore, GA  
 Parks, Elijah M., MS  
 Patterson, Cornelius D., PA  
 Perry, Daniel G., NY  
 Pitts, Francis M., GA  
 Presson, William F., VA  
 Prince, Francis M., AL  
 Pugh, Edward H., MD  
 Ragsdale, William R., MS  
 Reeme, Elias W., PA  
 Rice, Harrison J., IN  
 Rihl, Henry W., PA  
 Rives, George E., VA  
 Robertson, Charles, OH  
 Robins, Oscar M., PA  
 Robinson, Philemon B., VA  
 Rogers, George O., VA  
 Rohrer, Jacob M., PA  
 Ross, George, PA  
 Senseman, Hiram, PA  
 Sharp, Alexander Jr., PA  
 Shaw, Alexander, PA  
 Sheets, Joseph, MD  
 Sheridan, Campbell, PA  
 Shuford, Quincy A., NC  
 Sims, Joseph Addison, VA  
 Sizer, George D., VA  
 Sizer, James Jr., VA  
 Smith, Andrew K., CT  
 Smith, William U., VA  
 Spalding, Andrew J., MD  
 Stokes, William O., VA  
 Strurgeon, Eli, OH  
 Styer, Albanus, PA  
 Sutherland, Charles, PA  
 Sutherland, Roderick, NOVA SCOTIA  
 Swaby, William A., NY  
 Sweitzer, Lewis H., PA  
 Tarver, Samuel, TN  
 Tate, Robert H., NC  
 Taylor, James H., KY  
 Taylor, Parran, DE  
 Taylor, William B., VA  
 Thacher, James M., CT  
 Townsend, Charles W., PA  
 Trego, Joseph H., IL  
 Troth, Samuel N., NJ  
 Tulloss, Robert C., TN  
 Tunnicliff, Joseph Jr., MI  
 Waage, Charles T., PA  
 Walker, Bernard H., VA  
 Walker, William T., VA  
 Walton, Simeon T., VA  
 Webb, William, NC  
 Whartenby, John A., PA  
 White, William H., MD  
 Wilkinson David M., VA  
 Williams, Cyrenius, PA  
 Williams, Robert S., AL  
 Wilson, Alexander, NC  
 Wilson, Furman E., SC  
 Wilson, Robert V., PA  
 Wood, Daniel Jones, VA  
 Woods, Matthew, PA  
 Woodward, Charles, NY  
 Wright, Francis R., MD  
 Young, Thomas J., VA

The graduates of this class numbered 211, the largest total in the history of the College to that time. The Commencement Address was delivered by Professor John Kearsley Mitchell, Chairman of Medicine (1841-1858), whose son, Silas Weir Mitchell, destined for great prominence, was receiving his diploma.

S. Weir Mitchell became a pioneer in neurophysiological research but also made classic contributions in clinical neurology and psychiatry (Fig. 45). He was elected first President of the Philadelphia Neurological Society, later served as President of the American Neurological Association, and was President of the College of Physicians of Philadelphia for two different terms (1886-1888 and 1892-1894). Equally highly regarded for his novels and poetry, he received

honorary degrees from Harvard and the University of Bologna. Considered a genius by his contemporaries, and abundantly gifted academically, he was disappointed in his effort to become Professor of Physiology at both Jefferson and the University of Pennsylvania.

George R. Morehouse, of this class, collaborated with S. Weir Mitchell and W.W. Keen in a significant Civil War research project entitled *Gunshot Wounds and Other Injuries of Nerves* (1864).

Addinell Hewson, another class member, was one of the ten founders (with Samuel D. Gross) of the Philadelphia Academy of Surgery in 1879 (Fig. 46). He was the private physician to General Meade from whose side he removed a bullet just before the battle of Gettysburg, when army surgeons had failed to locate the ball.



Fig. 45. Silas Weir Mitchell (JMC, 1850), pioneer in research and neuropsychiatry as well as a famed novelist.

Thomas Addis Emmett, after graduating in this class, went to New York where he subsequently collaborated with J. Marion Sims in his work at the Woman's Hospital. He published his experience with some 600 cases of vesico-vaginal fistula (1868) of which only three were incurable. Along with devising numerous gynecologic in-

struments, he published a text, *Principles and Practice of Gynecology* (1879), which was characterized as "the first thoroughly scientific, comprehensive work on this subject in English." In 1898 he was awarded the Laetere Medal of Notre Dame University.

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CLASS OF 1850

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Aikins, William T., CANADA  
 Ake, Joseph H., PA  
 Alcorn, James P., PA  
 Alexander, Richard H., KY  
 Anderson, Zebulon M.P., VA  
 Ashe, Edmund F., NC  
 Ashe, Richard D., AL  
 Ashley, Cornelius, GA  
 Austin, Henry O., VA  
 Austin, Peter, MO  
 Bache, Thomas Hewson, PA  
 Ballow, Isaac T., VA  
 Banks, James Oliver, AL  
 Barksdale, Nathaniel, VA  
 Barnes, Laken D., KY  
 Barr, Edwin W., IL  
 Bloodworth, Wiley W., GA  
 Boorse, Isaiah H.G., PA  
 Bott, James P., VA  
 Bowcock, James M., VA  
 Bowland, Milton J., OH  
 Brackenridge, Henry H., PA  
 Bradford, Thomas A., FL  
 Briggs, George W., VA  
 Bronson, William S., NY  
 Brooks, William A., MS  
 Brown, Neill D., MS  
 Brown, Robert S., PA  
 Brown, Solomon, CT  
 Brown, Spencer W., MO  
 Bryant, Cassander E., OH  
 Buckingham, E. Milton, OH  
 Buffington, Thomas C., VA  
 Buford, James S., MS  
 Bullock, J. Row, NY  
 Burnley, Hardin, MS  
 Burton, Daniel L., VA  
 Cake, William A., OH  
 Carithers Eli K., IL  
 Chamblin, Marquis R., KY  
 Chandler, S. Temple, VA  
 Chase, Charles T., NH  
 Chester, Samuel H., TN

Chorpenning, Frank, PA  
 Claiborne, J. Herbert, VA  
 Clark, Henry, NY  
 Clark, William L., PA  
 Cochran, William S., PA  
 Cockerille, Americus, VA  
 Coombs, David H., IN  
 Coover, Eli H., PA  
 Culbertson, Howard, OH  
 Cuthbertson, David H., NC  
 Daly, Lafayette, VA  
 Dameron, Robert C., MS  
 Dana, Marcus, OH  
 Daniel, Milton J., GA  
 Davidson, Junius, MS  
 Davis, Andrew J., PA  
 Derrickson, John B., NJ  
 Dickson, James T., MO  
 Dold, Samuel M., VA  
 Dorset, John Lewis, VA  
 Dorsey, John P., PA  
 Dossey, George W., VA  
 Drummond, John T., VA  
 Du Val, Lucian Spence, FL  
 Dunlap, Theodore, KY  
 Dupree, Ira E., Jr., GA  
 Durst, Daniel P., PA  
 Edwards, Americus A., MO  
 Elliott, Thomas Balch, NY  
 Emmet, Thomas Addis, VA  
 Ewing, George, PA  
 Fitts, John H., AL  
 Fuqua, Thomas B., VA  
 Gale, William H., MD  
 Garden, John B., VA  
 Gay, Neil B., VA  
 Gilbert, Michael M., KY  
 Gillam, Louis M., NC  
 Gillespie, William A., GA  
 Gilmore, William J., PA  
 Graham, Edward L., VA  
 Graham, Frederick R., NJ  
 Grammer, Jones M., VA



Grant, Gough W., NC  
Gross, James D., PA  
Haile, William J., VA  
Hancock, William G., VA  
Hann, John A., PA  
Hardman, William B.J., GA  
Hayes, Isham H., AL  
Hendren, Samuel R., VA  
Henry, Charlton T., PA  
Heston, Abiah P., PA  
Hewson, Addinell, PA  
Hirst, Cyrus J., PA  
Holt, Cicero, GA  
Hoyt, Moses C., NH  
Hudson, Robert B., VA  
Hughes, Thomas I., VA  
Hyde, John H., VA  
Jennings, Alvan J.E., VA  
Jones, John T., VA  
Kelly, Charles B.P., PA  
Kimmel, Edmund M., PA  
Kindrick, Cyrus Jr., ME  
King, James E., NC  
Kreitzer, Michael C., PA  
Kyle, George P., VA  
Lamar, Thompson B., GA  
Lamme, William H., OH  
Leftwich, John W., TN  
Leigh, John Randolph, VA  
Lewis, James M., MA  
Lewis, Richard E., VA  
Lillington, George, NC  
Lindley, Alfred H., NC  
Lindsay, Reuben, VA  
Link, William, PA  
Linn, Theodore A., NJ  
Logan, Matthew D., KY  
Lowman, John, PA  
Lugenbeel, James W., VA  
Lungren, Samuel S., PA  
Mackie John Howell, MA  
Madison, James A., VA  
Manahan, Valentine, NH  
Marks, Julian C., VA  
Martin, Algernon S., VA  
McConaughy, Robert, PA  
McCulloch, William P., PA  
McDonald, Nesbit, PA  
McVeigh, William H., VA  
Meranda, Isaac, IN  
Meriwether, John H., TN  
Mettauer, Edward M., VA  
Michie, John Augustus, VA  
Miller, David H., PA

Mills, Samuel R., VA  
Milner, James S., VA  
Mitchell, S. Weir, PA  
Morehouse, George R., NJ  
Morrow, William, IN  
Moseley, Daniel Willis, VA  
Mowry, John N., PA  
Neilson, Robert, PA  
Nightingale, Henry B., PA  
Owen, Joseph D., GA  
Palmore, Charles R., VA  
Parke, Clifford D., AL  
Patton, Joseph C., TN  
Peebles, John H.M., PA  
Piggott, William M., VA  
Powell, H. Brooke, VA  
Prescott, Paul T., ME  
Price, Jacob, PA  
Quarles, Mercer W., VA  
Quick, Lavington, ENGLAND  
Rankin, Clarke D., PA  
Rhinehart, Solomon E., OH  
Ricketts, Gerard C., VA  
Roberts, Benjamin F., CT  
Rogers, Thomas H., VA  
Ross, Samuel M., PA  
Russell, William M.N., MS  
Schriver, Albert, PA  
Seller, Theophilus S., IN  
Sharp, Alexander E., PA  
Shelley, Aaron F., PA  
Sherrell, Joseph L., TN  
Shewalter, George William, VA  
Shoyer, Charles C., WI  
Smith, Frisby T., PA  
Smith, George L., OH  
Smith, John H., VA  
Stewart, William G., PA  
Stuart, Joseph G., IN  
Sturdivant, Marcus, VA  
Taliaferro, Philip A., VA  
Taylor, Thomas W., PA  
Temple, Thomas P., VA  
Thorndike, Albert, ME  
Todd, Louis H., KY  
Trammell, Francis A., AL  
Tucker, Thomas W., VA  
Tuttle, Levi W., NH  
Urquhart, George, PA  
Voorhees, Charles H., NJ  
Wakefield, Matthew F., KY  
Walker, James R., VA  
Wallton, James C., VA  
Ward, Edward W., NC

Warfield, Milton, MD  
Webber, Joseph B., ME  
Weiser, Charles S., PA  
Westmoreland, Willis F., GA  
Whitaker, John F., AR  
Wilbur, Greenleaf A., ME  
Williams, Lorenzo D., VA  
Wilson, Edward A., VA  
Wilson, John R., PA

Woddrop, Henry, PA  
Wood, Edwin N., VA  
Wood, John Dean, VA  
Woodbury, Jonathan, NOVA SCOTIA  
Woodside, James A., SC  
Worl, Eli T., PA  
Wright, David D., CANADA  
Young, George W., GA



Fig. 46. Addinell Hewson (JMC, 1850) introduced the ophthalmoscope to Wills Eye Hospital.

The shining light of this class which numbered 227 was James Aitken Meigs (Fig. 47). While still an undergraduate he took notes of the lectures and debates of the Philadelphia County Medical Society, gave case reports of patients treated at Jefferson and the Pennsylvania Hospital, and presented papers on the mortuary statistics of Philadelphia which were published in the *Medical Examiner*. His long association with the Philadelphia County Medical Society led to its Presidency in 1871. Research on the *Cranial Characteristics of the Races of Man*, along with his outstanding lectures in physiology, earned him an international reputation. In 1868 he was appointed Professor of the Institutes of Medicine at Jefferson to succeed the prestigious Robley Dunglison who had been his undergraduate

idol. Popular with the students and gifted as a poet, he is best remembered today because of the Meigs Medical Association, named in his honor in 1880 following his premature death at the age of 50 (Fig. 48). This Association is still active well beyond its centennial year and is one of the oldest of its kind in the country.

E. Levi Cooper Lane, a dynamic but eccentric surgeon, became the founder in 1882 of Cooper Medical College in San Francisco, which later became the medical school for Stanford University. Dr. Lane named the school for his uncle, Dr. Samuel Cooper, who was also a San Francisco physician. He contributed large sums of money to the medical school and for a hospital. His estate funded the Levi Cooper Lane Library of Medicine and Surgery in San Francisco, for a time the finest medical library west of Chicago.

CLASS OF 1851

Abbitt, William B., VA  
 Albright, Durant H., NC  
 Armistead, William B., AL  
 Baily, Elisha S., PA  
 Baily, R. Jones, PA  
 Barber, James K., OH  
 Barry, William Frederic, NC  
 Bateman, Ephraim, NJ  
 Bates, James M., ME  
 Battle, Lucius Lucullus, TN  
 Beaver, Ephraim K., PA  
 Black, Abraham, VA  
 Bly, Douglas, NY  
 Bobb, William H., PA  
 Booth, William C., VA  
 Boswell, John J., VA  
 Brannock, James M., NC  
 Brinker, Reuben, PA  
 Brooks, John G., ME  
 Brownrigg, John, MS  
 Brubaker, Henry, PA  
 Burnett, Elisha G., NY  
 Campbell, Algernon E., VA  
 Carnal, Reuben H., LA  
 Carriger, John H., TN

Carrington, Paul S., VA  
 Carter, Flournoy, GA  
 Cary, Charles W., VA  
 Cheney, Francis M., GA  
 Christian, William S., VA  
 Coleman, Charles T., VA  
 Coleman, Richard M., VA  
 Collins, Thomas B., NY  
 Conner, William H.H., NC  
 Cook, Columbus L., NC  
 Cook, George H., PA  
 Couse, George, CANADA  
 Craig, James W., NY  
 Crouse, William, PA  
 Cutliff, James S., IA  
 Dana, Charles H., PA  
 Davidson, Henry G., VA  
 Dickson, James G., PA  
 Dingee, Richard, PA  
 Dingley, Amasa J., ME  
 Duffey, John W., GA  
 Dulany, U. Heath, VA  
 Duncan, George K., TN  
 Edmunds, Samuel C., NJ  
 Eggleston, Joseph D., VA

Eshleman, Isaac S., PA  
 Evans, J. Mason, VA  
 Evans, Joshua R., PA  
 Fearing, Benjamin, Jr., MA  
 Fisher, Preston, ME  
 Fitts, William F., AL  
 Fleming, Thomas M., VA  
 Flewellen, Edward A., GA  
 Floyd, Frederic, VA  
 Foote, Charles C., CT  
 Fort, Joseph M., TX  
 Fox, Joseph M., KY  
 Friend, George W., VA  
 Friend, John Edward, VA  
 Fussell, Morris, PA  
 Gaddis, Elijah Franklin, AL  
 Gaither, Brice T., GA  
 Gale, Robert H., KY  
 Gary, Franklin F., SC  
 Geare, Frederic, NY  
 Gegan, John, Jr., PA  
 Gibbons, Thomas P., PA  
 Glenn, Lucius B., AL  
 Golding, Walter S., NC  
 Gorin, William H., KY  
 Griesemer, Enoch E., PA  
 Haggard, William D., KY  
 Hall, Samuel E., GA  
 Hall, William M., TN  
 Hamer, Ellis P., PA  
 Hamilton George S., VA  
 Hancock, Charles, VA  
 Hassenplug, Jacob H., PA  
 Havis, Minor W., GA  
 Hazlett, Robert W., PA  
 Henderson, Andrew J., VA  
 Herrick, J. Everette, NH  
 Hershe, Christian, IA  
 Heyward, James F., DE  
 Holbrook, William S., VA  
 Hood, Humphrey H., PA  
 Hope, Jesse P., VA  
 Howitt, John, CANADA  
 Hume, William, CANADA  
 Hunter, George Baxter, VA  
 Huntington, T. Roomeyn, NY  
 Huston, James M., VA  
 Irvine, Patrick C., VA  
 Jackson, Winslow, MA  
 James, Nathan, PA  
 Jenkins, William A., VA  
 Johnson, Emmanuel H., PA  
 Johnson, William M., NC  
 Judson, Oliver A., PA

Keenon, John G., KY  
 Kelly, Samuel H., VA  
 Keys, John, PA  
 Lamm, William A.B., GA  
 Lane, E. L.C., IL  
 Layton, Joseph, OH  
 Leinbach, Benjamin S., PA  
 Lemmon, William, PA  
 Lewis, J. Henry, TX  
 Line, William M., PA  
 Lovejoy, James W.H., DC  
 Lockett, Francis E., VA  
 Mackey, James Howard, PA  
 Madison, Robert L., VA  
 Martin, William Henry, KY  
 Matteson, John C., NY  
 McClung, John A., VA  
 McCorkle, John R., NC  
 McGrigor, Thompson L., VA

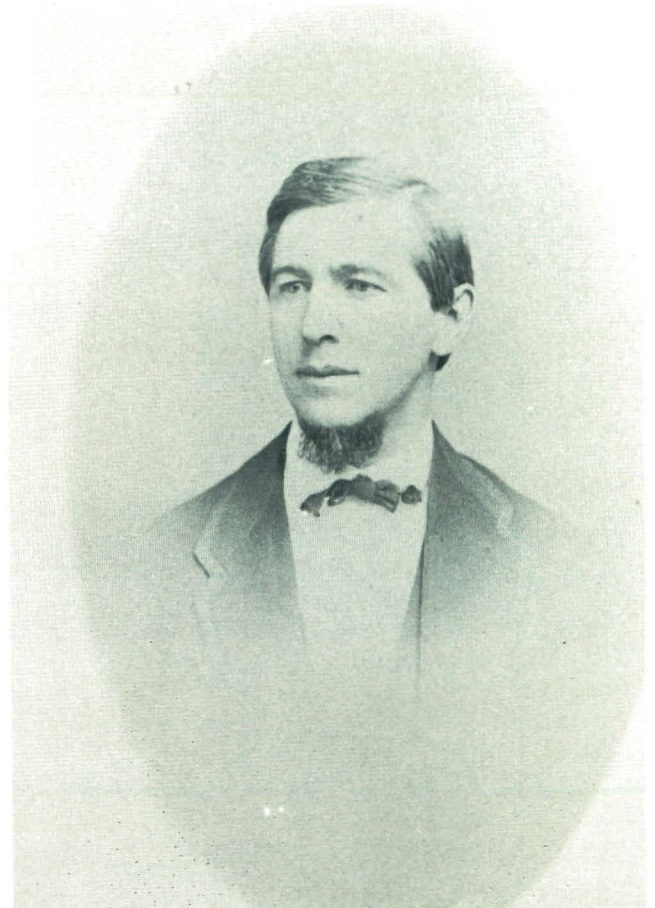


Fig. 47. James Aitken Meigs (JMC, 1851), Professor of Institutes of Medicine (Physiology) from 1868 to 1879 and namesake of the Meigs Medical Association, still flourishing after 110 years.

McGuire, John G., PA  
 McIntyre, De Witt C., NY  
 McNutt, Robert, DE  
 McWhinney, Arthur, PA  
 Meachem, Thomas G., NY  
 Meigs, James Aitken, PA  
 Meisenhelder, Samuel, PA  
 Mellen, George F., ME  
 Merritt, William, VA  
 Miller, William Lamech, PA  
 Miller, William Robards, NC  
 Milligan, Francis H., MO  
 Moodey, Joseph H., PA  
 Moody, Thomas H., TN  
 Moore, Ira L., MA  
 Moore, Matthew S., SC  
 Moore, Maurice A., SC  
 Morris, George W., SC  
 Morrison, M. Porter, PA  
 Mulford, Francis D., NJ  
 Mullins, James C., NC

Neff, Henry K., PA  
 Nice, Franklin B., PA  
 Nice, George W., PA  
 Oaks, Samuel, PA  
 Oden, J. Beverly, VA  
 Overton, William M., VA  
 Owens, Bennett G., AL  
 Parker, Oscar F., NY  
 Perkins, Joseph B., MS  
 Perkins, Lewis W., VA  
 Peterson, Bowman H., NJ  
 Phillips, William W.L., NJ  
 Piatt, William A., PA  
 Poindexter, Edward H., VA  
 Pomroy, Charles G., NY  
 Pratt, J. Richmond, NY  
 Proctor, Pelatiah R., CANADA  
 Rankin, E. Davidson, PA  
 Rankin, William M., PA  
 Reddick, Samuel T., PA  
 Reese, Beverly P., VA  
 Ridgill, Henry L., SC  
 Robinson, Frederic C., OH  
 Rogers, Henry R., ME  
 Roper, Daniel W., KY  
 Rose, Latinus Irvine, VA  
 Ruby, Cyrus B., PA  
 Rugh, Jacob W., PA  
 Russell, Preston W., PA  
 Sanford, Robert J., VA  
 Saunders, Samuel, VA  
 Schively, George Singer, PA  
 Scofield, John S., KY  
 Scott, A. Howard, VA  
 Scott, William Walter, NC  
 Sharpe, William R., NC  
 Simmons, Allen J., GA  
 Smith, Albert D., VT  
 Smith, Bart M., GA  
 Smith, James Gregory, KY  
 Smith, Pembroke, VA  
 Smith, Sandford F., MO  
 Smith, Walter R., NC  
 Spruill, George E., NC  
 Squire, William H., PA  
 Statler, Samuel G., PA  
 Stoakley, William S., VA  
 Stocker, Jesse, VA  
 Stone, Samuel A., VA  
 Stoner, John, PA  
 Suesserott, Jacob L., PA  
 Taylor, J. Marcus, MS  
 Taylor, James, PA  
 Taylor, Julian, VA



Fig. 48. Obelisk with urn marking gravesite of James Aitken Meigs in Woodlands Cemetery, Philadelphia.

Thom, J. Pembroke, VA  
Thomas, Robert W., NC  
Thompson, John A., DE  
Thompson, Stephen S., KY  
Tipton, Richard H., OH  
Tullis, Thomas Erskine, AL  
Turner, Charles P., PA  
Tyson, John Ambrose, TN  
Umstad, Henry U., PA  
Vaughn, George W., AL  
Venable, Richard N., VA  
Vernon, Elias, CANADA  
Vollum, Edward P., NY  
Wallace, James J., PA

Walser, Theodore, SWITZERLAND  
Ward, Erastus B., VA  
Ward, Meredith G., TN  
Warren, Edward, NC  
Weeks, William C., VA  
Weir, John M., VA  
West, William H., Jr., VA  
Wilson, John W., VA  
Wingfield, Alonzo C., GA  
Witman, Henry O., PA  
Wolf, John A., PA  
Wood, Charles S., CT  
Wright, Thomas E., VA  
Wyker, Alfred, NJ  
Young, George W., MO



The Pennsylvania Hospital (founded by Benjamin Franklin in 1751), an important clinical facility for Jefferson students through the years.

In this year the hypodermic syringe was introduced in France by Charles-Gabriel Pravaz, and in the United States the American Pharmaceutical Association was founded. There were 213 members in the graduating class, the following three of whom later became Professors in their Jefferson Alma Mater.

John Hill Brinton (Fig. 49), of Pennsylvania, served as a Brigade Surgeon of Volunteers in



Fig. 49. John Hill Brinton (JMC, 1852), Co-founder of the Army Medical Museum who also collected statistics for the *Medical and Surgical History of the War of the Rebellion*, and was Co-Chairman of the Department of Surgery (1882-1906).

which his Civil War Commission, signed by Abraham Lincoln, is in Jefferson's archives (Fig. 50). He was the personal physician to General Ulysses S. Grant, collected statistics for the *Medical and Surgical History of the War of the Rebellion*, was a co-founder of the Army Medical Museum, and wrote *Personal Memoirs of the Civil War*. At the resignation of Samuel D. Gross in 1882, he served with distinction as Co-Chairman of Surgery with Samuel W. Gross (1882-1889) and with William W. Keen (1889-1906). His portrait by Thomas Eakins (1876) is in the National Gallery of Art in Washington, D.C. Dr. Brinton is buried in Woodlands Cemetery, Philadelphia (Fig. 51).

Jacob Mendes DaCosta (Fig. 52), from Saint Thomas, was the first alumnus to occupy The Chair of Medicine (1872-1891). His textbook, *Medical Diagnosis*, went through nine editions between 1864 and 1900. His classic description of "irritable heart" (1871) marked him as a pioneer in cardiology. He received LL.D. degrees from Jefferson, the University of Pennsylvania and Harvard. Thomas Eakins painted his portrait (1893) which hangs in the Pennsylvania Hospital.

William Smith Forbes (Fig. 53), of Virginia, became the last of a continuous line of famous surgeon-anatomists at Jefferson. His greatest contribution was passage of the Anatomy Act of 1867 (amended in 1882/1883) which provided legally for equitable distribution of cadavers for teaching in Pennsylvania medical schools. He served as Chairman of Anatomy (1886-1905) and his portrait by Eakins (1905) accompanies that of Rand and Gross in the Eakins Gallery.

John McQuillan graduated while he was also studying dentistry. His D.D.S. was honorary. In his further career as a dental surgeon he founded the Philadelphia Dental College in 1863 in which he served as a professor and dean.

(THE)

PRESIDENT of the United States of AMERICA

E PLURIBUS UNUM



(To all who shall see these presents greeting)

**Know Ye** That, reposing special trust and confidence in the patriotism, valor, fidelity, and abilities of John Hill Brinton I have nominated, and by and with the advice and consent of the Senate, do appoint him Second Surgeon in Chief in the service of the United States: to rank as such from the 18th day of August - eighteen hundred and six. He is therefore carefully and diligently to discharge the duty of Second Surgeon in Chief by doing and performing all manner of things therunto belonging. And he, strictly charge and require all Officers and Soldiers under his command, to be obedient to his orders as Second Surgeon in Chief and to observe and follow such orders, and directions from time to time, as he shall receive from me, or the future President of the United States of America, or the General, or other superior Officers as over him, according to the rules and discipline of War. This Commission to continue in force during the pleasure of the President of the United States for the time being.

GIVEN under my hand, at the City of Washington, this 15th day of August in the year of our Lord, one thousand eight hundred and 66, and in the 31st year of the Independence of the United States.

(By the President)

*Thomas Scott*  
Acting Secretary of War.

*Abraham Lincoln*

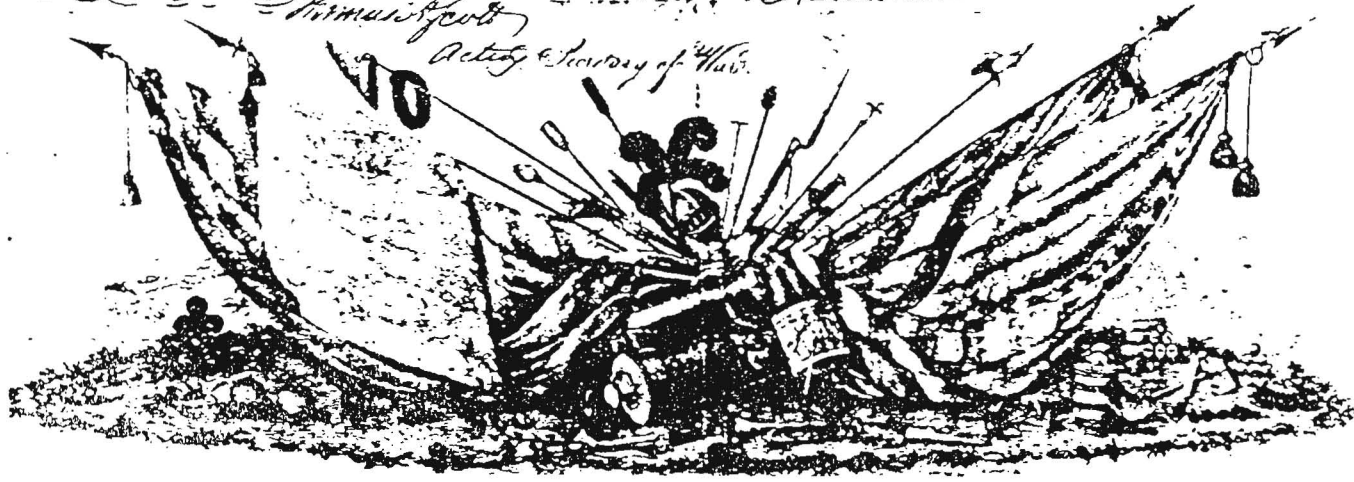


Fig. 50. Civil War commission of John Hill Brinton (JMC, 1852) signed by Abraham Lincoln.



Anderson, Joseph W., PA  
 Anderson, Philip W., PA  
 Anderson, William, PA  
 Ashley, William, GA  
 Atkinson, Benjamin M., VA  
 Baker, Moses, IN  
 Barksdale, William P., VA  
 Barton, John T., VA  
 Barton, Thomas F., ME  
 Beahan, James, NY  
 Bigony, Franklin W., PA  
 Blanchard, John H., NH  
 Boxley, Robert H., VA  
 Brelsford, James R., OH  
 Brinton, John H., PA  
 Brock Hugh W., VA  
 Clanton, Albert B., AL  
 Clements, Early C., AL  
 Clendaniel, William, PA  
 Cole, Isaac N., VA  
 Coleman, Robert T., VA

Collier, Abner A., MO  
 Cooper, Josiah C., PA  
 Cooper, Robert L., KY  
 Crawford, John W., MD  
 Culbertson, James, MO  
 Cunningham, William R., AL  
 DaCosta, Jacob Mendes, WEST, INDIES  
 Dean, Henry S., MA  
 Dedrick, Allen, SC  
 Dewitt, Benjamin, PA  
 Dickinson, Crispin, VA  
 Dillard, William D., KY  
 Doane, George Hobart, NJ  
 Dorsey, Henry A., PA  
 Dummer, Edward Osborne, NJ  
 Dunott, Thomas J., MD  
 Durham, Alexander F., GA  
 Durrett, Fountain R., MO  
 Eastham, John B., VA  
 Emmert, Andrew, MD  
 Eustace, James H., VA  
 Evans, Isaac Newton, PA  
 Farley, William S., MS  
 Farrar, William F., VA  
 Flack, William C.A., IN  
 Fletcher, Corbin D., VA  
 Forbes, William S., VA  
 Foulkes, James F., NC  
 Fox, Thomas G., PA  
 Franklin, Benjamin, TN  
 Gardner, Robert B., GA  
 Gee, Charles J., NC  
 Gibson, Frederick H., VA  
 Gooch, Allen G., TN  
 Goodwin, Edmund P., VA  
 Gordon, John N., VA  
 Graham, Robert H., AL  
 Grant, Samuel Dexter, ME  
 Gray, William B., VA  
 Green, Charles H., SC  
 Gulliver, Daniel F., PA  
 Hardy, Thomas I., VA  
 Harrison, James F., VA  
 Hart, Albert Gaillard, PA  
 Hart, Ira F., NY  
 Havens, Joseph M., IN  
 Hay, Randal D., NC  
 Hayhurst, George R., PA  
 Henry, Beverly A., GA  
 Herndon, James C., VA  
 Hicks, Virginius H., VA  
 Higday, Thompkins, IN



Fig. 51. Gravesite of John Hill Brinton (JMC 1852) in Woodlands Cemetery, Philadelphia.

Hinton, Rufus K., MS  
 Hogdon, Richard L., ME  
 Hope, John F., VA  
 Hoppin, Samuel B., PA  
 Hopping, Daniel S., GA  
 Hoyt, Augustus B., NH  
 Hudson, Clement L., MS  
 Huggins, George A., SC  
 Huggins, Hermon H., SC  
 James, Martin L., VA  
 Jarvis, James M., VA  
 Jones, Parrish Vernon, VA  
 Jordan, Richard W., PA  
 Keelor, Reinhard K., PA  
 Kelsey, Charles T., NY  
 Kempton, Thomas D., PA  
 Kendall, William S., NC  
 Langdon, S. Walter, NC  
 Larzelere, Joseph R., OH  
 Lathrop, Horace, Jr., NY  
 Lester, James D., MS (MS) ADD LESTER, SIMON P. (MS)  
 Lewellyn, John S., Jr., VA  
 Lineaweaver, George P., PA  
 Lofland, Mark Greer, DE  
 Lomison, Henry G., PA  
 Long, Andrew, IL  
 Lucas, George Lee, Jr., PA  
 Lyman, Andrew B., KY  
 Mabon, Thomas, PA  
 Mabry, James F., SC  
 Mairs, John C., OH  
 Marshall, Philip D., PA  
 Martin, William L., PA  
 Mason, J. Francis, VA  
 Mathews, James H., GA  
 Mathiot, Henry B., PA  
 Mayo, Thomas H., AL  
 McAllister, William E., MS  
 McChesney, Alexander G., VA  
 McEachin, John E., AL  
 McEwen, William, PA  
 McLean, William S., NC  
 McQuillen, John H., PA  
 Merrill, Frank B., ME  
 Metz, Jacob K., PA  
 Miles, B. Fullerton, PA  
 Miller, William Newlon, PA  
 Montague, George B., NC  
 Monteiro, Aristides, VA  
 Moore, Joseph, NJ  
 Moss, Obadiah C.G., AL  
 Nash, Shepard K., NC  
 Neff, Charles, PA  
 Nelson, Andrew J., TN

Newbaker, John B., PA  
 Newcomer, John, PA  
 Norris, James T., TX  
 Orr, Gabriel P.N., MO  
 Parker, Jabez K., VA  
 Parker, Thomas S., CANADA  
 Payne, Benjamin F., VA  
 Pendleton, David H., VA  
 Pressly, Joseph L., SC  
 Priest, Albert G., MO  
 Prince, Josiah E. Duke, AL  
 Pynchon, Lewis Charlton, GA  
 Ramsay, George M., PA  
 Redfield, John, PA  
 Revercomb, Jacob R., VA  
 Reynolds, Harvey M., KY  
 Rice, Francis E., VA  
 Richards, Charles A.L., OH  
 Richardson, George N., VA

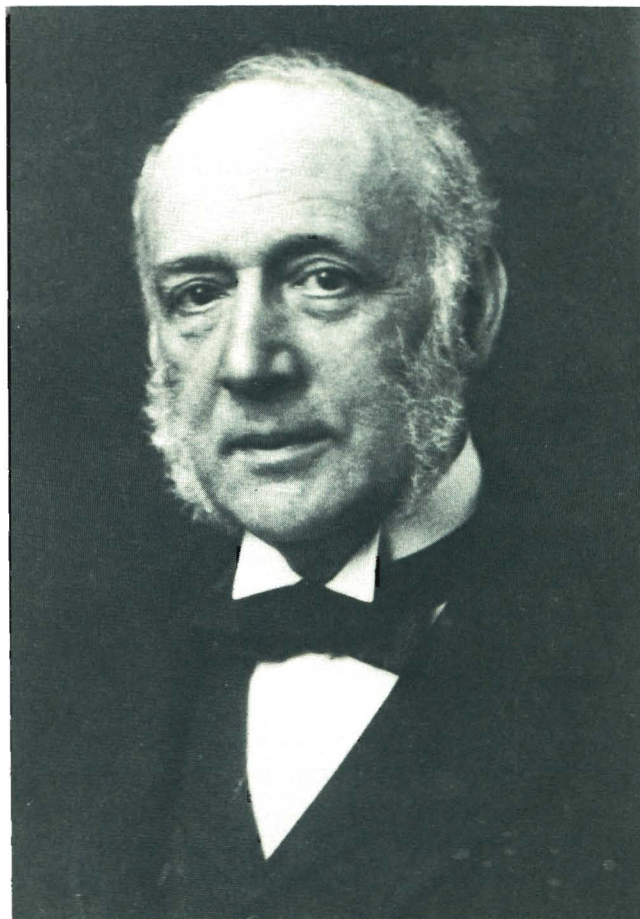


Fig. 52. Jacob Mendes DaCosta (JMC, 1852), Professor of Medicine (1872-1891), published the classic description of functional disorders of the heart.

Richie, Robert W., OH  
 Richmond, John B., NJ  
 Riley, Samuel A., GA  
 Robinson, Joseph S., VA  
 Rose, Algernon H., VA  
 Rose, William W., VA  
 Ross, James, CANADA  
 Rossy, Evariste A., LA  
 Rundio, Peter C., PA  
 Sanford, James L., NC  
 Schofield, John L., VA  
 Scott, William J., VA  
 Shammo, Isaac R., PA  
 Shaw, Angus G., TX  
 Shields, William W., VA  
 Smith Daniel, NC  
 Smith, John C., VA

Smith, Levi H., SC  
 Sommers, George A., VA  
 Spearman, Alfred S., NY  
 Speir, William, GA  
 Spinner, Jesse F., VA  
 Statten, Milton, PA  
 Stephenson, William D., AL  
 Storrow, S. Appleton, VA  
 Strode, William R., MS  
 Stroud, Joseph, PA  
 Tallman, William, PA  
 Tatum, B. Harris, VA  
 Taylor, John Y., DE  
 Thomson, John A., PA  
 Tompkins, Samuel W., VA  
 Townes, Lafayette, MS  
 Trimble, George B., VA  
 Tyler, Randolph, VA  
 Tynes, Robert H., VA  
 Unseld, James T., VA  
 Upshur, George M., MD  
 Usry, Joshua F., GA  
 Vardeman, Thomas B., MO  
 Vasey, Wilson P., PA  
 Walker, Benjamin H., VA  
 Walker, George S., CA  
 Wallace, John R., VA  
 Walters, William H., IL  
 Watkins, Beverly S., VA  
 Watkins, Richard H., VA  
 Watson, James M., VA  
 Watson, Thomas E., NC  
 Wheeler, Alfred, OH  
 Whitney, John W., KY  
 Wiley, Oscar, VA  
 Wilkins, George F., Jr., VA  
 Willcox, William P., NC  
 Williams, Blewitt, GA  
 Williams, Henry L., AL  
 Williams, Orlando S., VA  
 Wilson, Joseph F., PA  
 Wilson, William C., AL  
 Winn, David R.E., GA  
 Witherspoon, John A., KY  
 Woodward, Abner, Jr., NJ  
 Woolfolk, William T., VA  
 Worsham, John H., VA  
 Wright, James I., NJ  
 Wyly, James G., LA  
 Young, Thomas S., VA



Fig. 53. William Smith Forbes (JMC, 1852) fostered the passage of the Anatomy Act of 1867 which legalized the use of cadavers for medical education in the State of Pennsylvania, and served as Professor of Anatomy (1886-1905).

There were 223 graduates in this class. Many interesting titles appear among theses required from the students during most of the nineteenth century. In 1853, two graduates selected "Milk Sickness" as their subject. Special interest attaches to this illness, most notably the death in 1818 of Nancy Hanks Lincoln, the mother of Abraham Lincoln, soon after the arrival of the family in Indiana when the future President was eight years old. A frontier disease with high mortality, milk sickness attacked farm animals as well as humans. It was known for more than a century before its specific cause was acknowledged although Indians and farmers had, since early in the nineteenth century, recognized the "trembles" produced in farm animals by consumption of weeds. Ultimately the "white snake root," *Eupatorium urticaefolium*, was accepted as etiologic. In the 1920s the toxic principle "tremetol" was finally isolated. It is curious that non-medical people were well in advance of medical ones in correctly identifying the cause of the illness from epidemiological observations. By the twentieth century it had become a rarity. The two graduates, Drs. William F. Boor of Indiana and Pittacus L. Richeson of Virginia, who wrote about milk sickness, came from areas where the illness was still prevalent at the time.

William Biddle Atkinson (Fig. 54), a member of the class, became important in several areas of medicine. Special interest in obstetrics and diseases of children led to publications and numerous editorial posts which developed into a lifetime pattern. As an early secretary of the Philadelphia County Medical Society (later President), he developed skills in recording and correspondence leading to his election as Secretary of the American Medical Association in 1859, its permanent secretary in 1864, and editor of its annual transactions. In 1876 he served as secretary of the "National Day" Committee of the Philadelphia County Medical Society for the Philadelphia Centennial Exposition. In 1877 he became a Lecturer on Diseases of Children at Jef-

erson Medical College and from 1884 to 1889 he was Professor of Sanitary Science and Pediatrics at the Medico-Chirurgical College. Probably his most important work was the first comprehensive American Medical Biography, *Physicians and Surgeons of the United States*, published by Robson in 1878 and supplemented in 1880. Also in 1880 he completed *The Therapeutics of Gynecology and Obstetrics* plus a second edition the following year. Dr. Atkinson's interests also extended into the developing field of public health.

Joseph Meredith Toner, of Pennsylvania, became the first person in the United States to en-

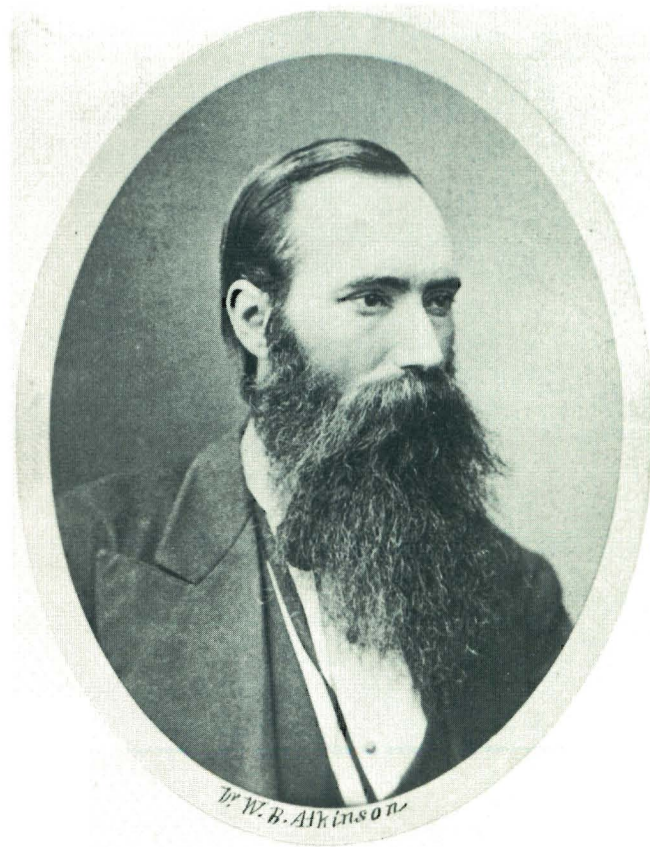


Fig. 54. William Biddle Atkinson (JMC, 1853) authored an important biography of *Physicians and Surgeons of the United States* (1878) and served as President of the Philadelphia County Medical Society.

dow medical lectures (the Toner Lectures of the Smithsonian Institution). An outstanding medical historian, bibliophile and librarian, he subsequently gave 30,000 medical volumes to the Library of Congress. He also published (1870) a necrology of physicians in the Civil War and served as President of the American Medical Association (1874).

David Page Smith, after studying abroad, entered the U.S. Army during the Civil War, serving as Brigade Surgeon. In 1874 he became Professor of Theory and Practice of Medicine in the Yale Medical School, and four years later took the Chair of Surgery in the same institution.

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CLASS OF 1853

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Abel, Lemuel F., NY  
 Allen, Nathaniel N., GA  
 Altman, William, PA  
 Atkinson, William B., PA  
 Avinger, Hamilton J., SC  
 Axford, Samuel M., MI  
 Baily, Lewis, PA  
 Baley, Pinckney T., MS  
 Ballow, W. Montgomery, VA  
 Batten, A. Nelson, NJ  
 Baylor, Joseph N., KY  
 Benjamin, John B., ME  
 Beyerle, W. George, PA  
 Bitting, Anthony L., NC  
 Blair, Alexander R., PA  
 Blake, E. Tucker, DC  
 Boatwright, John G., VA  
 Bombaugh, Charles C., PA  
 Boor, William F., IN  
 Bowcock, Charles S., VA  
 Boyett, Thomas W., AL  
 Brinley, Edward H., CT  
 Broocks, John W., VA  
 Brown, Robert, PA  
 Bryan, John C., VA  
 Bunn, William, GA  
 Burgess, Ebenezer P., MA  
 Butts, J. Thomas, VA  
 Cabell, George K., VA  
 Chamberlain, Joseph P., DE  
 Chancellor, Charles W., VA  
 Chapin, John B., NY  
 Chase, Irah E., MA  
 Christian, Henry B., VA  
 Christy, Henderson J., OH  
 Churchman, Henry J., VA  
 Closson, Lorenzo D., CANADA  
 Cocke, William, AL  
 Connelly, Joseph H., PA  
 Coombs, Samuel W., KY  
 Cox, John K., MS

Curtis, Bartlett A., VA  
 Czapkay, Emilius A., HUNGARY  
 Davis, Theodore V.L., VA  
 De Berry, John C., SC  
 De Graffeuried, William, VA  
 Derr, Nathaniel H., PA  
 Dewey, George M., MO  
 Dinges, George H., VA  
 Dirickson, James C., MD  
 Donnelly, Henry L., PA  
 Duncan, Robert, PA  
 Durphy, Sydenham W., VA  
 Earickson, James P., MO  
 Easton, William A., PA  
 Ellis, James R., MO  
 Eppley, George, PA  
 Eshleman, Abraham, PA  
 Evans, Faulkner H., MS  
 Fahrney, Jacob, PA  
 Farinholt, Anderson S., AL  
 Farrar, T. Goodridge, MS  
 Farrelly, James, MS  
 Ford, Newton S., VA  
 Ford, Newton S., VA  
 Foreman, James M., VA  
 Foster, Robert S., AL  
 Fulmer, George, PA  
 Galbraith, Thomas, PA  
 Goodman, Horace A., VA  
 Goodwin, William C., VA  
 Graham, George M., PA  
 Graves, J. G., NH  
 Gray, Tazewell M., VA  
 Grayson, Wray, PA  
 Griesemer, Hiram J., PA  
 Griswold, Elisha, PA  
 Grizzard, Theophilus D., VA  
 Guthrie, Guian S., OH  
 Hamilton, Alfred J., VA  
 Hamilton, Samuel M., PA  
 Hannan, William F., OH

Harwell, William H., VA  
Henning, William H., VA  
Herrmann, Francis, NJ  
Hershey, Joseph H., PA  
Hill, A. Chandler, GA  
Hines, Andrew J., PA  
Hopkins, B. Scott, TN  
Hottenstein, Edward, PA  
Howze, Henry Y., NC  
Huey, George B., GA  
Hughes, John G., MD  
Hunter, John C., KY  
Hunter, Samuel M., SC  
Jackson, George F., ME  
Jackson, Thomas H., MD  
Jaudon, Benjamin A., SC  
Jeffery, James C., PA  
Jennings, Peter E.L., GA  
Jessup, Robert B., IN  
Johnson, James S., AL  
Johnson, John S., NJ  
Johnson, Monroe M., TN  
Jones, Alexander T., GA  
Jordan, David A., SC  
Karsner, William C., MD  
Kennedy, William B., PA  
Keys, Joseph W., PA  
Kimbrough, G. William, VA  
King, William H., PA  
Kirk, Lewis R., PA  
Kirke, Henry M., PA  
Lavell, Michael, CANADA  
Law, Samuel B., GA  
Lazier, Henry B., VA  
Lessey, Davis S., NJ  
Lippitt, William F., VA  
Littell, Norval W., VA  
Lockhart, Wilson, IN  
Locuson, Joseph S., NJ  
Loving, Joseph F., VA  
Lockett, George T., VA  
Mansfield, Richard S., DE  
Marable, Joseph E., VA  
Marselis, Nicholas H., PA  
Marshall, David M., PA  
Mauil, David W., DE  
McClure, James D., PA  
McColum, Ephraim J., OH  
McCrary, Elisha W., SC  
McCulloch, Thomas C., PA  
McDonald, Donald, MO  
McLeary, William T., TN  
McNeil, John, PA  
McNutt, Samuel D., IN

Melton, John T., VA  
Miller, Benjamin F., PA  
Moore, James A., DE  
Morison, James H.S., TN  
Musser, Philip T., PA  
Myers, Jacob S., PA  
Nichols, Austin W., NY  
Nisbet, Richard H., GA  
Norment, Benjamin C., VA  
Norris, John W., NEWFOUNDLAND  
Palmer, Archibald W., NC  
Parker, William R., VA  
Parr, Richard C., TN  
Parramore, William R., VA  
Parvis, George W., MD  
Patterson, Arthur, PA  
Pharr, Alexander F., GA  
Phelps, Frederick R., CANADA  
Phillips, James, IL  
Porter, Gabriel Ellis, PA  
Potter, Elias, OH  
Powell, Alfred H., VA  
Powell, Belitha, MD  
Powell, Claudius W., VA  
Powell, John S., VA  
Price, David E., GA  
Price, Richard N., VA  
Quail, William, PA  
Ramsay, John W., PA  
Ratcliffe, Charles T., KY  
Read, John T., TN  
Reed, C. Richmond, OH  
Reed, John, OH  
Reed, William, IN  
Rice, Archibald A., VA  
Richardson, Nicholas D., AL  
Richeson, ittacus L., VA  
Robertson, Charles A., MA  
Robinson, Robert R., VA  
Rochelle, Thomas W., AL  
Rowland, John G., GA  
Sample, Joseph E., PA  
Sanger, Eugene F., ME  
Saylor, Obadiah L., PA  
Schwenck, Samuel G., PA  
Scott, Samuel B., VA  
Seem, Asa K., PA  
Shaw, Daniel, NC  
Simpson, Robert I., VA  
Sims, Frederick H., VA  
Smarr, Joseph G., SC  
Smith, Charles, VA  
Smith, David P., MA  
Smith, Duncan, NC

Smith, Ellery P., NY  
Smith, Hugh C., MS  
Snodgrass, James C., MS  
Spears, Joseph H., GA  
Speer, Alexander M., PA  
Stewart, W. Walker, PA  
Stoner, Andrew J., IL  
Strudwick, William S., NC  
Sumner, George Jr., CT  
Taliaferro, David M., KY  
Taliaferro, Thomas J., VA  
Taylor, William C., VA  
Terrell, John J., VA  
Thompson, Levi H., PA  
Thompson, Peter S., VA  
Tompkins, Alexander C., NY

Toner, Joseph M., PA  
Townsend, Morris W., NY  
Turner, Orlando E., PA  
Tyler, Tazewell, VA  
Walker, Charles Jr., MA  
Walker, William, NH  
Wall, William B., MS  
Walton, William D., GA  
Watson, William D., NC  
West, Calvin, IN  
Wevill, Richard H., PA  
Whitaker, Wilson C., FL  
Wilkins, Edmund W., VA  
Willoughby, Henry W., GA  
Wolff, John S., SC  
Woodson, John C., MO  
Yancey, Thomas A., VA

GENERAL  
THERAPEUTICS  
AND  
MATERIA MEDICA:  
ADAPTED FOR A  
MEDICAL TEXT-BOOK.

BY  
ROBLEY DUNGLISON, M. D.,  
PROFESSOR OF INSTITUTES OF MEDICINE, ETC., IN JEFFERSON MEDICAL COLLEGE OF PHILADELPHIA; FORMERLY  
PROFESSOR OF MATERIA MEDICA AND THERAPEUTICS IN THE UNIVERSITIES OF VIRGINIA AND  
MARYLAND, AND IN JEFFERSON MEDICAL COLLEGE OF PHILADELPHIA.

WITH ONE HUNDRED AND EIGHTY-SEVEN ILLUSTRATIONS.  
FIFTH EDITION, REVISED AND IMPROVED.

IN TWO VOLUMES.  
VOL. I



PHILADELPHIA:  
BLANCHARD AND LEA.  
1853.

~ 1854 ~

This class of 270 members was the largest ever to be graduated from Jefferson. Such size can only be attributed to the drawing power of "the Famous Faculty of 1841" rather than the false assumption that Jefferson was a "diploma mill," a status justifiably accorded to some other schools of the time. The Graduation Address was delivered by Dr. Franklin Bache (Fig. 34), Professor of Chemistry, who was the great grandson of Benjamin Franklin. (SEE NOTE)

At this time the Washington Monument in the National Capitol was under construction. A marble plaque (Fig. 55) was donated "By the Class of 1853-54" at the 280-foot landing which bore the seal of "Jefferson Medical College of Philadelphia." This represented the first effort of Jef-

erson alumni to perpetuate the institution's name in a public structure.

William Goodell, born in Malta the son of missionaries, was the outstanding member of the class. In 1865 he was elected to be the first Physician-in-Charge of the newly established Preston Retreat in Philadelphia, a lying-in hospital for indigent married women. His insistence on the new principles of asepsis and antisepsis led to the amazing record of only six deaths in 2,444 deliveries. He was the first Jefferson alumnus to obtain a prominent faculty position at the University of Pennsylvania (Clinical Professor of Diseases of Women and Children, 1874-1894). A founding member of the American Gynecology Society, he was also Founder and President of the Philadelphia Obstetrical Society.



Fig. 55. Stone at 280-foot landing of Washington Monument, Washington, D.C. donated by graduating class of 1854. (Courtesy of U.S. Department of Interior, National Park Service.)

NOTE: BACHE DID THE 1853 ADDRESS; DUNGLISON DID THE 1854



Abbott, Luther J., OH  
 Allison, Thomas H., PA  
 Archer, Edward C., VA  
 Armstrong, Richard, PA  
 Austin, William, SC  
 Baptist, William H., AL  
 Barnes, Henry F., IN  
 Barr, Robert, PA  
 Barret, L. Layton, VA  
 Bartleson, Samuel P., PA  
 Bates, Thomas B., SC  
 Bates, Thomas J., VA  
 Bell, James M., MS  
 Bellangee, J. Barton, NJ  
 Berryhill, Samuel G., PA  
 Bethune, Roderick A., AL  
 Birdsong, Miles J., TX  
 Bishop, J. Leander, NOVA, SCOTIA  
 Blake, Joseph C., NC  
 Bloodgood, Delavan, NY  
 Blount, Benjamin F., AL  
 Booton, John G., VA  
 Bosbyshell, Charles B., IL  
 Bosset, William C., PA  
 Boughan, John F., VA  
 Bowers, James A., TN  
 Bowes, George A., PA  
 Brandt, Jeremiah, PA  
 Brown, Henry T., VA  
 Buck, Erastus, Jr., NY  
 Burnell, Thomas B., VA  
 Burroughs, Alphonso J.L., GA  
 Bush, Robert H., VA  
 Camden, Thomas B., VA  
 Carlton, Benjamin F., GA  
 Carter, James W., VA  
 Cass, Edward, OH  
 Chancellor, Edward L., VA  
 Chase, Enos G., NY  
 Chenault, Robert C., KY  
 Chipman, James L., NOVA, SCOTIA  
 Clark, Samuel V., MS  
 Clarke, Rowan, PA  
 Clements, G. Myrick, GA  
 Cole, Edward C., VA  
 Cole, Howson W., NC  
 Coleman, Asa, IN  
 Collins, Richard T., KY  
 Compton, William M., MS  
 Conant, Oscar F., MS  
 Cooke, James A., SC  
 Corley, James A., SC  
 Craig, John T., SC  
 Crawford, William H., AL  
 Crow, Calvin A., AL  
 Daingerfield, John Elliot, VA  
 Davidson, William J., VA  
 Davis, Miranda G., MS  
 Dean, Richard C., NJ  
 Dillard, Thomas H.B., VA  
 Drake, William W., TN  
 Dugger, James M., GA  
 Dunham, Albright, NY  
 Dwinelle, James E., NY  
 Earl, John W., NC  
 Eberhard, George, GA  
 Eberle, Jacob K., PA  
 Eldridge, Erwin J., MD  
 Eskridge, John M., GA  
 Evans, Robert M., MS  
 Ewell, Joseph F., KY  
 Ewing, James P., TN  
 Ewing, William D., VA  
 Fennell, James W., Jr., AL  
 Fithian, Joseph, Jr., OH  
 Fontaine, Abraham W., VA  
 Foster, David W., MS  
 Foster, George B., MA  
 Fruit, Richard B., PA  
 Fulkerson, Putnam S., MO  
 Gay, W. Douglas, KY  
 Gilbert, Silas Terrell, NY  
 Gleeson, John K., LA  
 Goodell, William, TURKEY  
 Goodrich, Robert A., VA  
 Gregory, Oscar, VA  
 Griesemer, Calvin H., PA  
 Grimes, Franklin T., KY  
 Haldeman, George W., PA  
 Hall, A. Douglas, PA  
 Hall, John L., SC  
 Hall, William Hansell, GA  
 Halsey, Luther F., PA  
 Haring, John J., NY  
 Harris, Sampson H., MS  
 Harris, Thomas S., VA  
 Harrison, Marcellus T., MO  
 Hart, Byron, PA  
 Hart, William P., PA  
 Harter, M. Lair, PA  
 Haskell, Charles Henry, MA  
 Head, Joseph, IL  
 Henderson, Jophanus, ME  
 Hendrix, H. Walter, SC

Hezlep, William B., PA  
 Hicks, Edwin S., VA  
 Hill, Lafayette, TN  
 Hilleary, John W., MD  
 Hillyer, Eben, GA  
 Hitch, John W., SC  
 Hoffman, William F., PA  
 Hollifield, Horatio N., PA  
 Holman, William P., MS  
 Holmes, Henry J., MS  
 Homan, John C., VA  
 Hoover, Andrew S., SC  
 Hopkins, Thomas B., TX  
 Houston, Armstrong P., SC  
 Howard, William A., GA  
 Hoyt, William D., GA  
 Humphrey, William F., CT  
 Hunter, Duke W., MO  
 Hurt, Munford B., VA  
 Huston, Robert M., VA  
 Inglesby, William G., SC  
 Ingram, James M., TN  
 Ives, Charles L., CT  
 Jacobson, Edward H., PA  
 Johnson, James W., SC  
 Johnston, Thomas, PA  
 Johnston, William F., KY  
 Jones, William W., KY  
 Kennedy, Stewart, PA  
 Kent, John D., VA  
 Kerr, Boyle, PA  
 Kinnard, Michael C., TN  
 Knox, William A., IL  
 Kurtz, Samuel L., PA  
 Lacey, Daniel P., PA  
 Laverty, Theodore C., PA  
 Laws, James, PA  
 Lennard, Joseph M., AL  
 Livingood, Louis A., PA  
 Mason, Robert E., TN  
 Maxwell, John Hampden, SC  
 McAllister, John C., Jr., PA  
 McBride, Alexander, OH  
 McClanahan, John P., OH  
 McCormick, John, NC  
 McCormick, William H., PA  
 McDonald, Edward H., GA  
 McDonough, James B., PA  
 McDuffie, Hector, NC  
 McKay, Haden E., KY  
 McLatchy, Harris O., NOVA, SCOTIA  
 McLean, Hugh, PA  
 McMannen, Charles T., NC  
 McQuiddy, Robert S., KY  
 McReynolds, William T., KY  
 Melton, Robert D., AL  
 Merrill, S. Randolph, NH  
 Miller, George W., PA  
 Miller, John J., PA  
 Miller, Luther M., PA  
 Miller, William W., NY  
 Minor, J. Gilmer, VA  
 Mitchell, R. Pinckney, TN  
 Moore, Dunkin D., SC  
 Moore, John R., PA  
 Murchison, Kenneth B., GA  
 Nebinger, William P., PA  
 Newton, James F., KY  
 Nice, Curtis J., PA  
 Nixon, Oliver W., OH  
 O'Brien, John M., NC  
 Page, John J., KY  
 Paschall, Gideon W., KY  
 Patterson, Duncan N., NC  
 Patteson, Robert P., VA  
 Pearce, Enoch, OH  
 Pendleton, Edmund S., VA  
 Perkins, Willis M., NC  
 Peters, Penington L., GA  
 Plana, Joaquin, CUBA  
 Pollard, Leonidas C., VA  
 Pollock, William, PA  
 Potter, Samuel B., OH  
 Primrose, Harry C., PA  
 Pusey, David C., KY  
 Quesenberry, Vevion, PA  
 Rankin, D. Nevin, PA  
 Raper, Thomas J., PA  
 Reber, William, MS  
 Redd, Thomas M., KY  
 Reynolds, Jacob E., MD  
 Rice, William R., VA  
 Richardson, William M., NC  
 Ringwalt, Levi Z., PA  
 Robberson, Edwin T., MO  
 Roberts, William C., NC  
 Robins, Edwin S.C., PA  
 Rogers, James K., PA  
 Rogers, Orville T., VA  
 Sandford, Joseph K., PA  
 Sandford, Leonard J., CT  
 Saunders, William M., VA  
 Scales, James M.A., TN  
 Shepherd, Francis C., VA  
 Sheppard, Leander W., NJ  
 Shultz, B. Franklin, PA  
 Simpson, Joseph, DE  
 Sinclair, John, CANADA

Slicer, J. Edwin, VA  
Smith John W.C., MS  
Smith, Francis F., MD  
Smith, John W., VA  
Smith, Joseph T., NY  
Smith, Richard E.C., AL  
Smith, Robert A., VA  
Smith, William T., PA  
Spann, James T., MS  
Spooner, Edward A., MA  
Stokes, N. Newlin, NJ  
Stone, Alfred B., MA  
Storer, John H., PA  
Strain, David E., VA  
Strayer, Joseph B., VA  
Stribling, Charles C., GA  
Swan, Samuel M., PA  
Taggart, Charles, OH  
Taylor James W., VA  
Teague, Thomas J., SC  
Teeter, Edwin Conrad, VA  
Thompson, George W., PA  
Thornton, John S., PA  
Todd, L. Beecher, KY  
Tomb, Robert Johnson, PA  
Tucker, Gustavus A.R., VA  
Turner, John B., GA  
Unsel, John H., VA  
Vankirk, Joel K., PA

VanPelt, Joseph T.K., PA  
VanValzah, Samuel B., PA  
Vaughan, Bolivar H., MS  
Waddle, Douglas S., NC  
Walker, James, KY  
Walker, Joseph R., TN  
Walker, Mark, NH  
Walker, Thatcher V., Jr., GA  
Walker, William A., GA  
Wallace, Horatio, AR  
Wallace, Jonas C.B., NY  
Walter, Philip S.P., PA  
Walters, William L., VA  
Ware, Augustus C., GA  
Warner, Charles F., NY  
Warren, Silas E., PA  
Webb, Robert T., NC  
West, Nelson G., MD  
Westbrook, Ethelred E., MS  
Whitaker, Jacob, NJ  
White, William A., VA  
Wilbur, Lloyd, NJ  
Woods, William Semple, PA  
Woodward, Richard H., VA  
Workman, Benjamin F., MS  
Wurtz, Charles Stewart, Jr., PA  
Wysong, Rutherford, VA  
Young, Edward, PA  
Young, Wesley W., NC

*The most essential part of a student's instruction is obtained, as I believe, not in the lecture room, but at the bedside. Nothing seen there is lost; the rhythms of disease are learned by frequent repetition; its unforeseen occurrences stamp themselves indelibly in the memory.*

Oliver Wendell Holmes (1809-1894).  
Medical Essays, "Scholastic and Bedside Teaching".