



THE UNIVERSITY OF CHICAGO

ALUMNI IN SCIENCE AND
MEDICINE

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Biology



Anderson, Charles Edward

Meteorologist. Born in St. Louis, MO, Aug. 13, 1919. B.S., Lincoln University, MO, 1941; Certified in Meteorology, University of Chicago, 1943; M.S., Polytechnic Institute of Brooklyn, 1948; Ph.D. (meteorology), Massachusetts Institute of Technology, 1960. First known black Ph.D. in Meteorology; Chief Cloud Physics Branch, Air Force Cambridge Research Center, MA, 1948-61; Atmospheric Science Branch, Douglas Aircraft Co., CA, 1961-65; Director, Office of Federal Coordination in Meteorology, Environmental Science Service Administration, U.S. Department of Commerce, 1965-66; Professor of Space Science and Engineering, 1967-69; Professor of Meteorology and Chairman of Contemporary Trends.



Booker, Walter Monroe

Biologist. Physiologist. Pharmacologist. Born in Little Rock, AR, Nov. 4, 1907. B.A., Morehouse College, 1928; M.S., University of Iowa, 1932; Ph.D., University of Chicago, 1943. Instructor, Biology and Chemistry, Leland College, 1928~29; Instructor, Prairie View College, 1929—31; Head, Department of Biology, 1932-43. From Instructor to Associate Professor, 1943-53; Acting Chairman of the Department, 1953-54; Professor, Pharmacology and Chairman, Department of Pharmacology of the College of Medicine, Howard University, 1954-73; Professor, 1973-. Retired. Area B Mental Health Center; Worked on liver drainage in trauma, effects of anesthesia and gastrointestinal physiology. Memberships and awards: Fellow, American College of Cardiology, 1973-; University of Chicago Club of Washington, Alumnus Award, 1975; Senior Fulbright Scholar 1957 & 1958; Board Director, Washington Heart Association, 1969-; American Society for Pharmacology and Experimental Therapeutics of the National Research Council.



JAMES HM HENDERSON

Henderson, James Henry Meriwether

Plant physiologist; Botanist; Born in Falls Church, VA, Aug. 10, 1917. B.S., Howard University, 1939; M.Ph. University of Wisconsin, 1940; Ph.D. (plant physiology), 1943; Chemist, Badger Ordnance Works, 1942-43; Research Assistant, NDRC, UCTL, University of Chicago, 1943-45; Assistant Professor and Research Associate, Plant Physiology, Carver Foundation, Tuskegee Institute, 1945-48; Director, Research Foundation and Chairman of Natural Science Division, Carver Research Foundation, Tuskegee Institute, 1968-75; Chairman, Division of Natural Science, Tuskegee Institute, 1975-; research in tissue culture, physiology of normal and abnormal plant tissues. Memberships and awards: AAAS; Botanical Society of America; American Society of Plant Physiologists; National Institute of Science; New York Academy of Sciences; Sigma Xi; Phi Sigma; Gamma Alpha; Alumni Award, Howard University, 1964, 1975; Tissue Culture Association; Eminent Faculty Award, Tuskegee Institute, 1965; Faculty Award, 1976, 1980.



Hill, Walter Andrew

Agronomist; Soil scientist; Born in New Brunswick, NJ, Aug. 9, 1946. B.A., Lake Forest College, 1968; MAT, University of Chicago, 1970; M.S., University of Arizona 1973; Ph.D. (soil chemistry and fertilization), University of Illinois, Urbana, 1978; Research Assistant in Chemistry, Lake Forest College, 1967-68; Teacher of Chemistry, University of Chicago, 1969-71; Research Assistant in Soil Chemistry/Fertilization, University of Arizona, 1971-73; Irrigation/Fertilization Specialist, University of Arizona Experimental Station, 1973-74; teaching Assistant in Soils, University of Illinois, 1976-77; Research Assistant in Soil Chemistry, University of Illinois, 1974-77; Assistant Professor, 1978-81; Associate Professor, Soil Science, Tuskegee Institute, 1981-. Memberships and awards: Soil Science Society of America; American Society of Agronomists; International Society of Soil Science; American Chemical Society; American Society of Horticultural Science; Sigma Xi.



Just, Ernest Everett

Zoologist; Biologist; Physiologist; Research Scientist;

Born in Charleston, SC, Aug. 14, 1883. B.A., Dartmouth College, 1907; Ph.D. (zoology and physiology), University of Chicago, 1916; Instructor in Zoology, Howard University, 1909-10; Assistant Professor, 1910-11; Associate Professor, 1911-12; Professor, 1912-; Spent 20 summers in Woods Hole Marine Biological Laboratory, MA; headed Department of Physiology, Howard University. Memberships and awards: Vice-President, American Zoological Society; received first Spingam Medal, 1915, for his research in Biology; National Research Rosenwald fellow, 1920-31; Ecological Society; Phi Beta Kappa; edited the journal *Protoplasm* and the official organ of the Marine Biological Advancement of Science.



Mapp, Frederick Everett

Zoologist; Born in Atlanta, GA, Oct. 12, 1910. B.S., Morehouse College, 1932; M.S., Atlanta University, 1934; M.A., Harvard University, 1942; Ph.D., University of Chicago, 1950. Booker T. Washington High School, Atlanta, GA, 1933-40; Professor, Biology and Chairman of the Department, Knoxville College, 1944-46; Roosevelt College, 1948-50; Professor, Biology, Tennessee a & I State College-52; Professor, Biology and Chairman of the Department, Morehouse College, 1952-; research in problems of growth. Memberships and awards: AAAS; Sigma Xi; New York Academy of Sciences; Tennessee Academy of Sciences; General Education Board fellowship, 1946-48; David Packard Professor of Biology, 1973-82.



Sweres, Mary Agnes

Bacteriologist; Nurse; Born in Appleton, WI, Jan. 27, 1890. Nurse, St. Joseph's Hospital, Milwaukee, 1912-23; Marquette Medical School, 1917-18; B.S., University of Chicago, 1923; Senior Bacteriologist for the United States with an office in Chicago.



Ware, Ethan Earl

Zoologist; Anatomist; Born in Easley, SC, Nov. 29, 1900. B.S., Bates College, 1924; M.S., Cornell University, 1933; Instructor, Biology and Head of the Department, Bishop College, 1924-27; Instructor, Florida A & M College, 1927-28; Assistant Professor, 1928-30; Associate Professor, Biology and Head of the Department of Science, 1931-47; Associate Professor, Zoology, Fort Valley State College, 1947-49; Associate Professor, Developmental Anatomy, Florida A & M University; 1949-62; Professor, 1962-70; retired, 1970. Memberships and awards: General Education Board fellow, University of Chicago, 1930-31; Research Grant in Research Fund, 1949; AAAS; National Institute of Science.

Chemistry

**Anderson, Gloria Long**

Chemist (organic). Born in Altheirnen AZ, Nov. 5, 1938. B.S., A & M, Normal College, AR, 1958. M.S., Atlanta University, 1961; Ph.D. (organic chemistry), University of Chicago, 1968. Instructor in Chemistry, South Carolina State College, 1961—62; Morehouse College, Teaching and Research Assistant, University of Chicago, 1964-68; Professor in Summer School, South Carolina State College, 1967; Galloway Associate Professor and Chairman of the Chemistry Department, Morris Brown College, 1968-73; Professor and Chairman of the Chemistry Department, 1973-84; Chairman of the Natural Science Division and Dean of Academic Affairs, Morris Brown College, 1984-; Research in synthetic organic fluorine chemistry; fluorine-19 nuclear magnetic resonance spectroscopy. Memberships and awards: AAAS; American Chemical Society; National Science Teachers Association; National Institute of Science; Georgia Academy of Science; New York Academy of Science; American Association of University Professors; Delta Sigma Theta; Atlanta University Science Research Institute; Alpha Kappa Mu, National Honor Society; Beta Kappa Chi Scientific Honor Society; Rockefeller Scholarship, 1956-58.

**Cole, Thomas Winston, Jr.**

Chemist (organic); Born in Vernon, TX, Jan. 11, 1941; B.S., Wiley College, 1961; Ph.D. (chemistry), University of Chicago, 1966 Assistant Professor, 1966-69, Atlanta University; Filler E. Calloway Professor of Chemistry, 1969-71; Chairman, Department of Chemistry, 1971-; President, West Virginia State College, 1982-; Visiting Professor, Chemistry Department, MIT, 1973-74; President, Clark College, Atlanta, 1988 Memberships and awards: AAAS; American Chemical Society; National Institute of Science; Woodrow Wilson fellow, 1961-62; National Organization for the Professional Advancement of Black Chemists and Chemical Engineers; Georgia Academy of Sciences; Sigma Xi; Sigma Pi Phi; Alpha Phi Alpha; Allied Chemical fellow, 1963.



Dyce, Barbara Jeanne

Biochemist; Born in Chicago, IL, Feb. 17, 1928; Attended Loyola University, University of Illinois, University of Chicago, University of Illinois Medical School; M.S., University of Southern California School of Medicine, 1971. Instructor, Trade Technical Community College; Assistant Professor, Pharmacology, University of Southern California Medical School; President and Technical Director, Radioimmunoassay Laboratory of Southern California. Memberships and awards: AAAS; Founder and Past President, Feminine Touch, Inc.



Huggins, Kimuel Alonzo

Chemist (organic); Born in Whitesburg, GA, May 3, 1898; B.A., Morehouse College, 1923; M.S., Chicago University, 1929; Ph.D. (chemistry), 1937; Instructor in Science, Leland College, 1923-28; Chairman, Division of Sciences and Dean of Men, Arkansas Agricultural and Mechanical College, 1929-31; Assistant Professor of Chemistry, Morehouse College, 1931-32; Chairman, Chemistry Department, Atlanta University, 1933-68; Professor, Bishop College, 1968-; Director, National Science Foundation Academic Year Int., Atlanta, 1966; research in organic microanalysis Memberships and awards: American Chemical Society; Sigma Xi.



Jeffries, Louis Freeman

Chemist; Born in Jones, TN, April 15, 1894. B.A., Virginia Union University, 1922; B.S., University of Chicago, 1929; M.S., 1930; Michigan, 1937-38; University of Pennsylvania, 1944-45; Instructor in Chemistry and Physics, Roger Williams College, 1922-25; Assistant Professor of Chemistry, Chaflin College, 1925-27; Virginia Union, 1927-34; Director; Division of Material and Natural Sciences, 1934-42; Professor of Chemistry and Head of the Department, 1942. Memberships and awards: Chemical Society.



Lu Valle, James Ellis

Chemist (physical); Chemist (photographic); Born in San Antonio, TX, Nov. 10, 1912; B.A., UCLA, 1936; M.A., 1937; Ph.D., California Institute of Technology, 1940. Instructor, Chemistry, Fisk, 1940-41; Senior Chemist, Kodak Research Laboratory, 1941-42; OSRD, University of Chicago, 1942; OSRD, California Institute of Technology, 1942-43; Senior Chemist, Eastman Kodak Research Laboratory, 1943-45; Research Associate, 1945-53; Project Director, Technical Operations, Inc., 1953-59; Director of Basic Research, Fairchild Camera and Instrument, Syosset, NY, 1959; Laboratory Administrator, Chemistry Department, Stanford University, 1975-; research in photochemistry; electron diffraction; magnetic resonance. Memberships and awards: President, Blue Key, UCLA, 1936; U.S. Olympic Track Thaw 1935; American Chemical Society; American Physical Society; AAAS; Faraday Society; Sigma Xi; Phi Lambda Upsilon; Pi Mu Epsilon.



McBay, Henry Cecil Ransom

Chemist (organic); Born in Mexia, TX, May 29, 1914; B.S., Wiley College, 1934; M.S., Atlanta University, 1936; Ph.D. University of Chicago, 1945. Instructor, Chemistry, Wiley College, 1936-38; Instructor, Western University, Kansas City, 1938-39; Instructor to Professor, Morehouse College, 1945-81; Chairman of the Department of Chemistry 1960-81; Professor of Chemistry, Atlanta University, 1981 Memberships and awards: Technical Expert, Unesco Mission to Liberia, W. Africa, 1951; Outstanding Teaching Award, National Association for Black Chemists and Chemical Engineers, 1976; Charles H. Henry Awards, Georgia Section of the American Chemical Society, 1976; James Flack Norris Award, Northeastern Section of the American Chemical Society, 1978; Lamplighter Award, National Beta Kappa Chi Society, 1983; American Chemical Society; Research Fellow, Carver Foundation, 1941-42, Sigma Xi.



Reed, George W.

Chemist (nuclear); Geochemist; Born in Washington, DC. Sept. 25, 1920. B.S., Howard University, 1942; M.S., 1944; Ph.D. (chemistry), University of Chicago, 1952. S.A.M. Laboratories, 1944-45; Metallurgical Laboratories, University of Chicago, 1945-47; Associate Chemist; Argonne National Laboratories, 1952-68; Senior Scientist, Argonne National Laboratory, 1968-. Memberships and awards: Sigma Xi; American Chemical Society; Rosenwald fellow, Chicago, 1948-49; American Physical Society.



Russell, Edwin Roberts

Chemist; Inventor; Born in Columbia, SC, June 19, 1913; B.A., Benedict College, 1935; M.S., Howard University, 1937; Assistant and Instructor, Chemistry, Howard University, 1936-42; Assistant, Metallurgical Laboratories University of Chicago, 1942-47; Consultant in Chemistry, 1947-49; Chairman, Division of Science, Allen University, 1947-53; Research Chemist, E. I. DuPont de Nemours & Company, Inc., 1953-; conducted research in bio-assay, radioactive tracer, gas absorption and ion exchange absorption, monomolecular films, radioactive waste treatment. Memberships and awards: AAAS; American Chemical Society; Honorary Dr. of Science, Benedict College, 1974; eleven patents on atomic energy processes.



Scott, Benjamin Franklin

Radio-chemist; Chemist (inorganic); Born in Columbia, SC, Oct. 19, 1922. B.A., Morehouse College, 1942; M.S University of Chicago, 1950, Junior Chemist, Metallurgical Laboratory, University of Chicago, 1943-46; Subcontractor, manufacturer of Geiger counters, 1946-50; Radio-chemist, Nuclear Instrument and Chemical Company, 1950; Chemist to Chief Chemist, Nuclear-Corporation, 1949-63; Technical Director, NEN Assay Corporation, 1963-. Memberships and awards: American Chemical Society member of Subcommittee on quantitative measure of radioactive particles, the evaluation of counting errors, and counter efficiency.



Scanned at the American
Institute of Physics

Stewart, Albert Clifton

Chemist (inorganic); Chemist (radiation); Born in Detroit, MI, Nov. 25, 1919. B.S., University of Chicago, 1942; M.S., 1948; Ph.D. (chemistry), St. Louis University, 1951; First black Director of Sales, Chemical and Plastics Division, Union Carbide, 1977 -; research in physical, inorganic, and radiation chemistry. Memberships and awards: First black with a Ph.D. to serve on the Atomic Energy Commission staff at Oak Ridge; American Chemical Society; AAAS; Sigma Xi; St. Louis University Alumni Merit Award, 1958; Radiation Research Society; American Nuclear Society; Alpha Phi Alpha.



Talley, Thomas Washington

Chemist (inorganic); Born in Shelbyville, TN. B.A., Fisk University, 1890; M.A., 1892; Sc.D., Walden University, TN, 1896; M.S. (chemistry), University of Chicago, 1931. Instructor in Science, Alcorn, MS, A & M College, 1899- 1900; Professor of Sciences and Vice-President, Florida A & M College, Tallahassee, FL, 1900-02; Instructor, Analytical and Applied Chemistry, Tuskegee Institute, 1902-03; Professor, Chemistry and Biology, Fisk University, 1903-. Memberships and awards: Society of Chemical Industry, London; American Chemical Society.



Taylor, Moddie Daniel

Chemist (inorganic); Chemist (physical); Born in Nymph, Mar. 3, 1912. B.S., Lincoln University, MO, 1935; M.S., University of Chicago, 1938; Ph.D., 1943; University of Chicago's Manhattan Project during World War II; Professor of Chemistry, 1959-69; Chairman, Chemistry Department, Howard University, 1969-1976. Memberships and awards: Certificate of Merit, 1945, from Secretary of War for his work on the Manhattan Project, 1943-45; 1960, Annual Manufacturing Chemists' Award, one of six best Chemistry Teachers in the United States; Ford Foundation fellow, 1953; AAAS; American Chemical Society; Washington Academy of Science; Beta Kappa Chi; Sigma Xi; National Institute of Science.



Wilkins, Raymond Leslie

Chemist (organic); Inventor; B.A., University of Chicago, UI5.I.; M.S., 1954; Ph.D. (chemistry), 1957. Senior Scientist, 1956-68; Head, Instrument Technology Laboratory, 1968-73; Manager, Chemical Process Research Department, 1974-78; Manager, Process Control Analysis Department, 1971-81; Manager, Special Projects, Rohm & Hass Co., 1982-; Helped develop electron microscope; Research mechanism of polymer formation. Membership and awards: Electron Microscopy Society of America; New York Academy of Sciences; fellow, Royal Microscopy Society; American Chemical Society.

Medicine



Adams, Numa Pompilius Garfield

Physician. Born in Delaplane, Fauquier County, VA, Feb. 26, 1885. B.A., Howard University (summa cum laude), 1911; M.A., Columbia University, 1912; M.D., Rush Medical School of the University of Chicago, 1924. Interned at St. Louis City Hospital no. 2 (Homer G. Phillips) in 1924. Practiced medicine in Chicago from 1925 to 1929. Instructor in Chemistry, Howard University, 1912-14; Assistant Professor, 1914—19; Associate Professor, 1919—; Assistant Medical Director, Victory Life Insurance Company, 1927-29; first black Dean of Howard University Medical College, June 4, 1929; Professor of Medicine, 1930-.



Anderson, John Alexander

Physician. Radiologist. Born in Gary, WV, Mar. 9, 1937. B.S., University of Chicago, 1958; M.D., Howard University College of Medicine, 1962. Interned Wright Patterson Air Force Base Hospital, 1962-63; Residency in Radiology, 1965-68; Chief of Radiology, Davis Monthau USAF Hospital, Tucson, AZ, 1963-65. Diplomate, American Board of Radiology, 1968; Radiologist and Director of Education, David Grant USAF Medical Center, Department of Radiology, Travis AF Base, 1968-71; Radiologist, Boulevard General Hospital, Sumbly Hospital, and S.W. Detroit Hospital, 1971-74; Radiologist and Chief of Radiology, Highland Park General Hospital, 1974-. Memberships and awards: President and Founder of Southwest Medical Association, Inc., 1973-74; USAF Medical Corps, Major, 1961-71; Air Force Commendation Medal.



Anthony, Benjamin William

Physician. Radiologist. Born in Columbus, MS, 1902. B.A., College, 1922; B.S., University of Chicago, 1923; M.D., Rush Medical College, University of Chicago, 1927. Specialist in Department of Roentgenology, Billings Hospital, University of Chicago. Fellow of the Rockefeller Foundation for three years. He was Head of the Department of Roentgenology, Greater Provident Hospital, Chicago, IL. He and Dr. Paul C. Hedges gave a demonstration on "Estimation of Cardiac Area in Children" before the American Medical Association which met in Milwaukee, WI. Memberships and awards: American College of Radiology; American Medical Association; National Medical Association.



Berry, Joseph A.

Physician. Surgeon. Born in Charleston, SC, Aug. 4, 1895. B.A., Fisk University, 1919; B.S., University of Chicago, 1921; M.D., Rush Medical College, 1924. Began his practice as an Associate of Dr. U. G. Dailey of Chicago. Has been Assistant Surgeon in Chief of Dailey Hospital and on Roentgenological Staff of that hospital. Memberships and awards: Omega Psi Phi; Chicago Medical Society; Illinois State Society; American Medical Association; Physicians Association of Cook County.



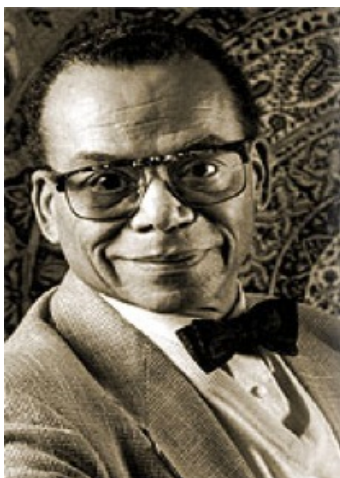
Anthony, Benjamin William

Physician. Radiologist. Born in Columbus, MS, 1902. B.A., College, 1922; B.S., University of Chicago, 1923; M.D., Rush Medical College, University of Chicago, 1927. Specialist in Department of Roentgenology, Billings Hospital, University of Chicago. Fellow of the Rockefeller Foundation for three years. He was Head of the Department of Roentgenology, Greater Provident Hospital, Chicago, IL. He and Dr. Paul C. Hedges gave a demonstration on "Estimation of Cardiac Area in Children" before the American Medical Association which met in Milwaukee, WI. Memberships and awards: American College of Radiology; American Medical Association; National Medical Association.



Berry, Leonidas Harris

Physician. Gastroenterologist. Internist. Pathologist. Born in Woodsdale, NC, July 20, 1902; B.S., Wilberforce University, OH, 1924; B.S., University of Chicago, 1925; M.D., Rush Medical College, 1929; M.S., (pathology), University of Illinois, 1933. Senior Attending Physician and Gastroenterologist, Cook County Hospital, Chicago, 1946-74; Emeritus, 1975-; World expert on endoscopy. Memberships and awards: President, National Medical Association, 1965; Honorary L.L.D. from Lincoln University, PA, 1983; Diplomate, American Board of Internal Medicine and Gastroenterology; National Board of Medical Examiners; American Medical Association; American Gastroscopic Society; American College of Gastroenterology; Medical Society of Gastrointestinal Endoscopy; National Society of Gastroenterology; Japan Endoscopy Society; Association for the Study of Afro-American Life and History; fellow, New York Academy of Medicine; Honorary Sc.D., Wilberforce University, OH.



Bowman, James E., Jr.

Physician. Pathologist. Human Geneticist. Born in Washington, DC, Feb. 5, 1923. B.S., Howard University, 1943; M.D., 1946. Chief Pathologist, Medical Nutrition Laboratory, U.S. Army, 1953-55; Assistant Professor, Medical Director, Blood Bank, University of Chicago, 1962-67; Associate Professor and Professor, Medicine and Pathology, Director of Laboratories, University of Chicago, 1967-81; Director, Comprehensive Sickle Cell Center, University of Chicago, 1973-84. Memberships and awards: President, Metropolitan Chicago Blood Council; fellow, College of American pathologists; American Society of Clinical Pathology; Royal Society of Tropical Medicine and Hygiene; American Society of Human Genetics; AAAS; International Congress on Hematology.



Bryant, J. Edmond

Physiologist. Born in Page, ND, Aug. 24, 1901. B.S., Jamestown College, Jamestown, ND, 1923; B.S. (medicine) and M.S. (physiology), University of North Dakota, 1930; B.S. (medicine), Northwestern University, 1926; B.S., University of Chicago, 1928; M.D., Howard University, 1937; interned at Provident Hospital, Chicago and remained there with remarkable energy despite the fact that he was a victim of tuberculosis. Head, Science Department, Paine College, Augusta, GA, 1928-29; Instructor, Physiology, Howard University Medical College, 1930-34. Memberships and awards: Cook County Physicians Association; National Medical Association; National Tuberculosis Association; Editorial Board, National Medical Association Journal.



Callis, Henry Arthur

Physician. Internist. Cardiologist. Born in Jan. 14, 1887. B.A., Cornell University, 1909; University of Chicago School of Science; M.D., Rush Medical College, 1922. Chemist, 1915-17; Medical Laboratorian, 1917-19; Bacteriologist, 1922-23; Physician, 1923-27; Pathologist, 1927-30; Associate Professor of Medicine, Howard University, 1930-39. Private Practice, 1939~63. Retired. Memberships and awards: Founder of Alpha Phi Alpha Fraternity; life member, Association for the Study of Negro History; Henry A. Callis Student Loan Fund established in his honor; National Medical Association; Diplomate, American Board of Internal Medicine; American College of Cardiology.



Calloway, Nathaniel Oglesby

Physician; Chemist (organic); Born in Tuskegee, AL, Oct. 10, 1907; University of Chicago, 1940-42; Lieutenant, Medical Corps, 1943-45; appointed Lecturer in Internal Medicine, University of Illinois Medical School, 1945-46; Major, 1950-53; Assistant Chief, Medicine, Percy Jones Army Hospital; Assistant Professor of Internal Medicine and Senior Physician, University of Illinois Medical School, 1947. Memberships and awards: Research fellow, Iowa State College, 1930-33; Sigma Xi; AAAS; Phi Lambda Upsilon; American Chemical Society; American Medical Association.



Clark, Kenneth Bancroft

Psychologist; Born in Panama Canal Zone, July 24, 1914. B.A., Howard University, 1935; M.S., 1936; Ph.D., Columbia University, 1940; Professor, Psychology, College of City of New York, 1942-75; Ambredge Visiting Professor, Harvard University; Founder/Director, Northside Center for Child Development. Memberships and awards: Spingam Medal for research in Psychology, 1961; President, American Psychological Association; Rosenwald fellow; Sigma Xi; Psychologist Emeritus, City College of New York; Distinguished Professor, 1942-75; New York State Board of Regents, 1966; Trustee, University of Chicago; Kurt Lewin Memorial Award, 1965; Kappa Alpha Psi.



Cotton, Carol Blanche

Psychologist; B.A., Oberlin College; M.A., Columbia University; Ph.D. (psychology), University of Chicago, 1940; Memberships and awards: Sigma Xi.



Davis, Jackson Lee

Dentist. Born in Mansfield, LA, Jan. 18, New Orleans University, 1910; University of Chicago; L.L.B., Howard University, 1916; D.D.S., 1923; Teacher of Mathematics, New Orleans University, 1910-12; Clerk, Bureau of the Census, 1912-20; Instructor in Dentistry, Howard University, 1928-. Memberships and awards: Treasurer, Robert T. Freeman Dental Society, 1929-; Interstate Dental Association.



Dickerson, Spencer Cornelius

Physician; Otolaryngologist; Ophthalmologist; Military (Army); Brigadier General; Born In Austin, TX, Dec. 1, 1871 B.S., University of Chicago, 1897; M.D., Rush Medical College, 1901; Staff, Provident Hospital, Chicago, 1907 -48; Chairman, Department of Ophthalmology ;Brigadier General, Commander of all Black Regiment, 8th, Illinois, 1930-37; Emeritus, 1937-48.



Hall, James Lowell

Physician. Allergist; Born in Waxahachie, TX, Dec. 30, 1892. B.A., Prairie View College, 1911; B.S., University of Chicago, 1923; M.D.; Rush Medical College, 1925; Director of Medical Research Laboratory, University of Chicago, 1932-40; Director of Clinics, Provident Hospital, Chicago, 1936-41; Department of Medicine, Howard University Medical School (chairman), 1941-44; Superintendent, Freedmen's Hospital, 1944-47; private practice, Chicago, 1947-65. Memberships and awards: National Medical Association; Chicago Medical Society; Illinois State Medical Society; American Medical Association; President, Cook County Physicians Association; Alpha Phi Alpha.



Harris, Harry C.

Physician; Urologist; Born in Birmingham, Aug. 10, 1897. B.S., Northwestern University, 1921; M.D., University of Illinois, 1926; Instructor, Department of Genito-Urinary Diseases, University of Illinois, 1926-27; first black physician to be appointed Coroner in Cook County, IL. Memberships and awards: Fellowship, Rosenwald Foundation of Chicago to study Urology, Billings Hospital of the University of Chicago; Cook County Medical Association; Kappa Alpha Psi.



Jason, Robert Stewart

Physician; Pathologist; Born in Santurce, P.R., Nov. 29, 1901. B.A., Lincoln University, PA, 1924 (magna cum laude); M.D., Howard University, 1928; Ph.D. (pathology), University of Chicago, 1932; First black to earn a Ph.D. in Pathology. Dean, Howard Medical School, 1955-65; Emeritus Professor of Pathology, Howard University Medical College, 1970-84; Pathologist, Freedmen's Hospital, 1931-70; research in Histopathology of the palatine tonsils and pathology of syphilis of the aortic valve; Memberships and awards: Honorary D.Sc., Howard University, 1948; General Education Board University of Chic ; National Screening Committee, Fulbright Awards, Institute of International Education, 1961-63; National Advisory Council on Education for Health Professionals, 1964-69; Committee on Pathology of the National Academy of Sciences-National Research Council, 1967-71; Consultant of the Advisory Committee for International Health of the Agency for International Development, 1967-72; Distinguished Service Award, National Medical Association, 1969; American Medical Association; American Association of Pathologists and Bacteriologists; fellow, College of American Pathologists; International Academy of Pathologists.



Johnson, Frank Bacchus

Pathologist; Physician; Born in Washington, DC 1919. B.S., University of Michigan, 1940; M.D., Howard University Medical College, 1944; From Intern to Resident Pathologist, Medical Center, Jersey City, 1944-46; Director of Clinical Laboratories, Howard University, 1946-48; Research Associate, University of Chicago, 1950-52; Pathologist, 1952-60; Chief, Basic Science Division, 1960-72; Chief, Histochemical Branch, Armed Forces Institute of Pathology, 1972-. Memberships and awards: AEC fellow in Medical Science, University of Chicago. 1948; Citation for Administrative and Technical Proficiency, Veterans Administration, 1958; Commendation for Outstanding Contributions to Histochemistry, 1964; American Crystallography Society; American Medical Association; American Society for Experimental Pathology; American Association of Pathologists and Bacteriologists; Histochemical Society.

**Johnson, Joseph Lealand**

Physiologist; Physician; Born in Philadelphia, PA, Jan. 14, 1895. B.A.; Pennsylvania State College, 1919; M.D., Ph.D. (medicine and physiology), University of Chicago, 1931; Vice-Principal, Kansas Vocational College, 1919-20; Teacher, Public Schools in Missouri, 1920-26; Professor, Physiology and Head, Physiology Department, Howard University Medical School, 1931-47; Dean, 1946-55; Emeritus, 1969-. He and Arnold H. Maloney were the second and third blacks to earn both the M.D. and Ph.D. degrees. Memberships and awards: AAAS; American Medical Association; Foundation for Tropical Medicine; fellow, New York Academy of Sciences; International College of Surgeons; Medico Chirurgical Society of the District of Columbia; Imhotep Conference Chairman, 1960-61.

**McBroom, Fletcher Pearl Riley**

Physician; Cardiologist; Born in Louisville, MS, Mar. 16, 1926. B.A., University of Chicago, 1946; B.S., Columbia University, 1949; M.D., College of Physicians and Surgeons, 1953; Heart specialist in Cedars of Lebanon Hospital where he developed new method in 1960 of observing changes in coronary blood vessel tissues affected by hardening of the arteries. First black doctor accepted by UCLA Medical Center. Presidency, Columbia University Wing, Goldwater Hospital, NY, 1954-55; Los Angeles, 1955-57.; Memberships and awards: Fellowship in Cardiology, USC, 1957-58; cardiovascular and preventive medicine, independent research, 1962-85; NIH Grants Research fellow, 1958-62; Board Member, Frederick Douglas Child Development Center, 1958-62; Sidoha Yoda Foundation, 1974-80.



McKinney, Roscoe Lewis

Anatomist; Born in Washington, DC, Feb. 8, 1900. B.A., Bates College, 1921; Ph.D. (anatomy), University of Chicago, 1930; First black to earn a Ph.D. in Anatomy, Professor, Anatomy and Head of the Department, Howard University, 1930-47; Vice-Dean, School of Medicine, Howard University, 1944-46; Emeritus Professor, Howard University Medical School, 1968-78. Memberships and awards: Sigma Xi; Phi Beta Kappa; Beta Kappa Chi; American Association of Anatomists; AAAS.



Payne, Clarence H.

Physician; Surgeon; Born in Hopkinsville, KY, Jan. 23, 1892. M.D., University of Chicago Medical School, 1920; Head of Interns, Provident Hospital for 10 years; elected Surgeon General of the Veterans of Foreign Wars of Illinois twice, was called to a conference on racial integration of the Armed Forces by President Roosevelt during World War II; was the first of two blacks appointed to the staff of the Municipal Tuberculosis Sanitarium of Chicago. One of the three physicians to appear before the American Medical Association requesting the removal of "col." behind the names of black physicians in the AMA Directory. They succeeded. (Dr. C. G. Roberts and Dr. Roscoe Giles were the other two). Memberships and awards: Fellow, American College of Chest Physicians and Surgeons; first President, Chicago Chapter, Alpha Phi Alpha.



Pugh, Roderich Wellington

Psychologist; Born in Richmond, KY, June 1, 1919; B.A., Fisk University, 1940; M.A., Ohio State University, 1941; Ph.D. (psychology), University of Chicago, 1949. Staff Psychologist, Hines V.A. Hospital, Chicago, 1949-54; Assistant Chief, Clinical Psychology for Psychotherapy, 1954-58; Chief, 1958-60; Supervisor of Psychology and Coordinator of Psychological Internship Training, 1960-66; Associate Professor, Loyola University of Chicago, 1966-73; Professor of Psychology, 1973-. Memberships and awards: American Psychological Association and National Institute of Mental Health Visiting Psychological Program, 1968-; Juvenile Problems Research Review Committee, National Institute of Mental Health, 1970-74; fellow, American Psychological Association; Society for Psychological Study of Social Issues; Association of Black Psychologists; Illinois Psychological Association; Alpha Phi Alpha; Sigma Xi; Diplomat of Clinical Psychology; American Board of Professional Psychologists, 1957; Psi Chi.



Sherrod, Theodore Roosevelt

Pharmacologist; Born in AL, July 29, 1915. B.A., Talladega College, 1938; M.S., University of Chicago, 1941; Ph.D. (pharmacology), University of Illinois, 1945; M.D., 1949; Instructor to Professor of Pharmacology, University of Illinois College of Medicine, 1945-58; Professor of Pharmacology, University of Illinois College of Medicine, 1958-; research in cardiovascular and renal pharmacology. Memberships and awards: National Institutes of Health Research Grant Advisory Group; American Society of Pharmacology and Experimental Therapeutics; Society for Experimental Biology and Medicine; Award "Golden Apple" presented to him in 1953 by the Sophomore class as outstanding teacher in the Medical School, University of Illinois.



Stepito, Robert Charles

Physician; Obstetrician; Gynecologist; Pathologist; Surgeon; Born in Chicago, IL, Oct. 6, 1920. B.S., Northwestern University, 1941; M.D., Howard University Medical College, 1944; Ph.D. (pathology), University of Chicago, 1948; Chairman, Department of Obstetrics, Mount Sinai Hospital, 1970-75; Professor of Obstetrics and Gynecology, Rush Medical College, 1957-79; Chief of Gynecology, University of Chicago, 1979-; research in endocrine pathology; Memberships and awards: Fellow, American College of Obstetricians and Gynecologists; American College of Surgeons; International College of Surgeons; Chicago Board of Health; President, Association of Gynecological Oncologists, 1983; President, National Medical Fellowship Board; fellow, USPHS, 1948-50; National Medical Association.



Washington, G. Kenneth

Physician; B.S. University of Chicago; M.D., Indiana University Medical School; Memberships and awards: Gary, Indiana Board of Health for two years became first black to head the Board.

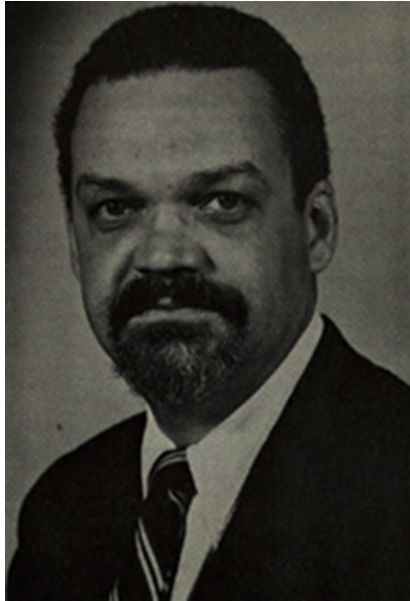
**Wilson, C. Leon**

Physician; Surgeon; Obstetrician; Born in Cario, IL June 5, 1895. B.S., University of Illinois, 1918; M.D College of Medicine, 1920; Medical Examiner, Victory Life Insurance Co., Health Officer, Chicago Health Department Chief Obstetrician, John T. Wilson Medical Foundation Attending Obstetrician, Provident Hospital, Chicago; Lecturer in Obstetrics, John A. Andrews Clinical Society Tuskegee, AL Memberships and awards: Fellow in Obstetrics University of Chicago, for research in obstetrics : Chicago Lying-in Hospital and Michael Reese Hospital 1931-; Fellow, American Medical Association; National Medical Association; Illinois Medical Society County Physicians Association.

**Yerby, Alonzo Smythe**

Physician; Born in 1921. B.S., University of Chicago, 1941; M.D., Meharry Medical College, 1946; M.P.H., Harvard, 1948; Executive Director, Medical Care Services, City Department of Health and Coordinator of Welfare Services for the Hospitals Department, 1960-65; Professor and Chairman of Health Service Administration, School of Public Health, Harvard University, 1966; research in health; Director, Arthur D. Little, Inc., one of the largest scientific consulting firms in the world, 1971; Administration Public Health Practice.

Mathematics



Bharucha-Reid, Albert Turner

Mathematician. Born in Hampton, VA, Nov. 13, 1927. B.S., Iowa State University, 1949; Mathematics and Biology, 1950; Mathematical Biology, Mathematics, Probability and Statistics, University of Chicago, 1950—53; Probability and Statistics, Columbia University, 1953*54. Research Assistant, Mathematical Biology, University of Chicago, 1950-53; Research Associate, Mathematical Statistics, Columbia University, 1953-55; Assistant Research Statistician, University of California at Berkeley, 1955-56; Instructor, Mathematics, University of Oregon, 1956—58; fellow, Mathematical Institute, Polish Academy of Sciences, Warsaw, Poland, 1958-59; Assistant Professor, Mathematics, University of Oregon, 1959-61; Associate Professor, Mathematics, Wayne State University, 1961-65; Visiting Professor, Applied Mathematics, Institute of Mathematical Sciences, Madras, India, 1963-64; Professor, Mathematics and Graduate Dean of Arts and Sciences, Wayne State University, 1965; Director, Center for Research in Probability, 1967-81; Visiting Professor, Mathematics Research Center, University of Wisconsin, Madison, 1966-67; Professor, Mathematics, Georgia Institute of Technology, Memberships and awards: American Mathematical Society; Indian Statistical Institute; Indian Mathematical Society; Polish Mathematical Society; Society for Industrial and Applied Mathematics; AAAS; New York Academy of Science; fellow, Iowa Academy of Sciences; Sigma Xi



Craig, Suzanne

Mathematician; Born in Chicago, IL. Attended the University of Chicago High School; B.A., University of Michigan 1969; M.A 1975; Ph.D., University of Southern California, 1980. Taught high school Mathematics in Detroit, 1969-1979; Senior Engineer, Jet Propulsion Laboratory, Pasadena, CA, 1980-. Memberships and awards: Phi Beta Kappa.



Smith, Martha Lee Gladys

Mathematician; Born in Richmond, VA, Jan. 2, 1901; B.A., Hartshorn Memorial College, 1922; B.A., Virginia Union University, 1924; M.S., University of Chicago, 1930. Mathematics teacher, Academy, Virginia Union University, 1920-27; Acting and Principal, Academy, Virginia Union University, 1926-29; Professor of Mathematics, Virginia Union University, 1929-.



Suggs, Daniel Cato

Mathematician; B.A., Lincoln University, PA, 1884; studied at Cornell, Harvard and the University of Chicago; Professor of Mathematics and Physical Science, Livingston College, Salisbury, NC, 1888-1891; Director, Department of Natural Science and Vice-President, Georgia State Industrial College, Savannah, 1891-. Memberships and awards: Honorary M.A. and Ph.D.



Tyler, Sylvanus A.

Mathematician; Born in Chicago, IL, Aug. 21, 1914. B.A., Fisk University, 1936; M.S. University of Chicago, 1938; Associate, Mathematics, Argonne National Laboratory, 1946-; worked on cosmic ray analyses with Arthur Compton; Memberships and awards: Fellow, AAAS.



Woodward, Dudley Welson

Mathematician; B.S. (with honors), Wilberforce University, 1903; B.S., University of Chicago, 1906; Ph.D. University of Pennsylvania, 1928; Practical Arithmetic, Tuskegee Institute 1935

Physics



Henry, Warren Elliott

Physicist; Chemist (physical); Born in Evergreen, AL, Feb. 18, 1909. B.S., Tuskegee Institute, 1931; M.S., Atlanta University, 1937; Ph.D. (physical chemistry), University of Chicago, 1941-46; MIT, 1941-46; Principal, Escambia County Training School, 1931-34; Instructor in Physics, Spelman College and Morehouse College, 1934-36; Instructor, Chemistry, Tuskegee Institute, 1936-38; Lecture Assistant, Chemistry, Chicago, 1939-41; Instructor, Chemistry, Physics, and Radio, Tuskegee Institute, 1941-43; Instructor, Chemistry and Physics, Spelman College, 1943-47; Staff Member, Radiation Laboratory, MIT, 1943-46; Research Associate, Institute for the Study of Metals, Chicago, 1944; Acting Head, Department of Physics, Morehouse College and Clark College, 1947-48; Physicist, Naval Research Laboratory, Washington, DC, 1948-. Memberships and awards: AAAS; American Physical Society; American Chemical Society; Institute of Radio Engineers; Washington Philosophical Society; Lecture Service Committee, Association of Cambridge (MA) Scientists, 1945-46; Secretary, Naval Research Laboratory Branch, Scientific Research Society of America, 1952-54; Sigma Xi; American Association of Physics Teachers; Federation of American Scientists; Presidential Associate, Tuskegee Institute; Carver Award.



Jeffries, Jasper Brown

Physicist; Mathematician; Born in Mocksville, NC, April 15, 1912. B.S., West Virginia State College, 1933; University of Illinois, 1933-35; M.S., University of Chicago, 1940; Instructor in Physics, Public Schools of North Carolina, 1933-35; Physicist, Plutonium Project, Manhattan Atomic Energy Project, Chicago, 1943-46; Professor of Physics and Head of the Department, North Carolina A & T, 1946-49; Senior Engineer, Control Instrument Co., NY, 1951-59; Loral Electronics Corporation, 1959-60; Boland and Boyce, Inc., 1960-63; Assistant Professor of Mathematics, Westchester Community College, 1963-71; Professor and Chairman of the Department, 1971-; worked in general and nuclear physics.

**Quaterman, Lloyd Albert**

Physicist (nuclear); Chemist (nuclear); Chemist (fluoride); Born in Philadelphia, PA, May 31, 1918. B.S., St. Augustine's College, NC, 1943; M.S., Northwestern University, 1952; One of six black scientists who worked on the atomic bomb (Manhattan Project). Assistant to Associate Research Scientist and Chemist, Argonne National Laboratories; 1943-49; student under Enrico Fermi; Memberships and awards: Society of Applied Spectroscopy; Sigma Xi; American Chemical Society; AAAS; Honorary Doctorate of Science, St. Augustine's College, 1971; Scientific Research Society of America.

**Robinson, Lawrence Baylor**

Physicist; Born in Tappahannock, VA, Sept. 14, 1919. B.S., Virginia Union University, 1939; M.A., Harvard, 1941; Ph.D. 1946; Instructor, Mathematics and Physics, Virginia Union, 1941-42; Instructor, Physics and Chemistry, 1944; Assistant Professor, Physics, Howard University, 1946-47; Instructor, Physical Sciences, University of Chicago, 1947-48; Associate Professor, Howard University, 1948-51; Research Physicist, Atomic Energy Research Division, U.S. Naval Research Laboratory, 1953-54; Assistant Professor, Brooklyn College, 1954-56; Member, Technical Staff, Space Technology Laboratories, Inc., Division of Thompson Ramo Wooldridge, Inc., 1956-60; Lecturer to Associate Professor to Professor of Engineering to Assistant Dean of the School of Engineering And Applied Sciences.



Thornton, Robert Ambrose

Physicist; Born in Houston, TX, 1902. B.S., Howard University 1922; M.S., Ohio State, 1925; Ph.D. (philosophy of science), University of Minnesota, 1946; Rockefeller fellow, University of Chicago, 1928-29; Instructor in Physics and Mathematics, Shaw University, 1922-25; Physics and Mathematics, Talladega College, AL, (1929-44; Director, Basic Studies and Professor of Physics, U.P.R., 1944-47; Associate Professor, Physical Sciences, University of Chicago, 1947-50; Postgraduate, Jet, July 31, 1980, p. 38. [p] ABMS Compendium of Medical Specialists, v. 3, p. 836. National Medical Association, Journal, v. 72, Jan. 1980, p. 66. [p] National Medical Association, Journal, v. 73, June 1981. [p] cover Harvard University, summers, 1949 and 1951; Associate Professor, Physics, Brandeis University, 1950-53; Dean, Dillard University, 1953-55; Dean, Basic College, Fisk University, 1955-56; Professor, Physics, San Francisco State University, 1956-63; Dean, School of Natural Sciences, San Francisco State University, 1963-67; Professor, Physics, University of San Francisco, 1967-.



Weir, Charles Edward

Physicist; Chemist; Born in Washington, DC, Sept. 29, 1911. B.S., University of Chicago, 1932; M.S., Howard University, 1934; Assistant in Chemistry, Howard University, 1934-38; Physicist, National Bureau of Standards, 1944-. Memberships and awards: American Physical Society; Washington Academy of Science; American Leather Chemistry Association; Beta Kappa Chi; Phi Beta Kappa; Sigma Xi.

**Wilkins, J. Ernest, Jr.**

Physicist; Mathematician; Engineer (mechanical); Engineer (nuclear); Born in Chicago, IL, Nov. 27, 1923. B.S., University of Chicago, 1941; M.S., 1941; Ph.D. (mathematics), 1942; B.M.E., New York University, 1957; M.M.E., 1960; Instructor, Mathematics, Tuskegee Institute, 1943-44; Associate Physicist to Physicist, Manhattan Project, Metal Laboratory, University of Chicago 1944-46; Mathematician, American Optical Company, 1946-50; Senior Mathematician, Nuclear Development Corporation of America, 1950-55; Manager of Physics and Mathematics Department, 1955-57; Assistant Manager, Research and Development, 1958-59; Manager, 1959-60; Assistant Chairman, Theoretical Physics Department, General Atomic Division, General Dynamics Corporation, 1960-65; Assistant Director of the laboratory, 1965-70; Distinguished Professor, Howard University, 1970-. Memberships and awards: Phi Beta Kappa at 16 years of age.

Library Sciences



Gleason, Eliza Veleria Atkins

Librarian; Born in Winston Salem, NC, 1909. B.A., Fisk University, 1930; B.S., University of Illinois, 1931; M.A., University of California, 1936; Ph.D., University of Chicago, 1940; Assistant Librarian, Louisville Municipal College Librarian, 1932-36; Assistant Professor, Fisk University, 1936-37; Director of Libraries, Talladega College, 1940-41; Professor, Atlanta University, 1941-46; Associate Professor, Chicago Teachers College, 1954-65; Professor, Illinois Institute of Technology, 1967-70; Assistant, John Crerar Library, 1967-70; Assistant Chief Librarian, Chicago Public Library, 1970-73; Professor, Northern Illinois University, 1974-75; Self-employed Library Consultant; Memberships and awards: Phi Beta Kappa; Beta Phi Mu; American Library Association; first black female to receive Ph.D. in Library Science.

Engineering Sciences



Norwood, William R.

Pilot; Born in Centralia, IL, Feb. 14, 1936; B.A., University of Southern Illinois, 1959; M.B.A., University of Chicago, 1974. U.S. Army Pilot of B-52s, Captain, 1959-65; first black pilot for United Air Lines, 1965; first officer, 1968-. Memberships and awards: Board of Trustees, Southern Illinois University; Aviation Board of Elk Grove Village, IL; Air Line Pilots' Association; United Air Lines Speakers Panel; Charter Member, Organization of Black Air Line Pilots.



O'Neal, Kenneth

Architect; Born in Union, MO, July 30, 1908; B.A., University of Indiana, 1931; B.S., 1935; Graduate study, Illinois Institute of Technology; Graduate study, University of Chicago, 1956-58. Engineer, Illinois Division of Highways, 1935-43; Architect, private practice, 1945-50; Architect, Skidmore, Owings and Merrill, 1950-51; Schmidt, Garden, Erickson, 1951-54; City of Chicago Project Manager, Architect, 1975; Memberships and awards: American Institute of Architects; Board Member, Chase House, 1967-75; Boani Member, Hyde Park Co-op, 1967-68; Creator of detail plates on architectural details for American Builder Magazine; Certificate of Recognition, Opportunity Magazine.

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