

ARTHUR PURDY STOUT

A Biographical Sketch

MANY years ago Dr. William C. Clarke and his associate, Dr. Arthur Purdy Stout, used to go back and forth daily on the 59th Street Crosstown trolley between the College of Physicians and Surgeons, then in West 59th Street, and the Presbyterian Hospital at Park Avenue and 70th Street. In 1924, Dr. Allen O. Whipple, Director of Surgery, made me their fellow traveler. In the first institution we were concerned not only with surgical pathology, but also with experimental surgery,* and the ever-present, ever-renewed medical student being introduced to the art of surgery through the animal operating room. In the second, the hospital, Dr. Stout was beginning to assemble the data, made possible by the almost unique surgical follow-up just then established, that form the basis of his extraordinary knowledge and his spate of publications.

Were Dr. Clarke still alive, his should be the privilege of writing this biographical sketch. Greater distinction might be lent to it if the author were Dr. Whipple, Director of Surgery here from 1920 to 1945. Dr. Cushman D. Haagensen might also be a candidate for this honor and has in recent years been most closely associated with Dr. Stout in his nearest interests. My bold assumption of the welcome task is because there is no one else who has, for more than thirty years, sat steadily, year in and year out in Dr. Stout's lectures, by his microscope, and at his feet. These are years that are understandably the envy of many of his more recent associates and from which others more gifted might have had more profit, but they are mine to cherish and to recount.

Arthur Purdy Stout was born in New York City on November 30, 1885, the son of Joseph S. Stout and Julia F. Purdy. The day of the month is not easily forgotten because the technical and secretarial staff of Surgical Pathology has, for twenty years, made it the occasion of a department party, complete with birthday cake. It is noteworthy that with the passage of years it has been easier to divert him from his

* In this connection it is interesting to recall that, presaging Dr. Stout's later great enthusiasm, tissue-culture experiments done in the laboratory at the College of Physicians and Surgeons had been reported by Dr. Whipple and Dr. John E. McWhorter as early as 1911.

microscope on this particular day at least, and his coup de grâce with the knife has kept pace with the increasing splendor of the cakes.

His whole life has been lived in New York except for school and college years and travel. He graduated from Pomfret School in Pomfret, Connecticut, in 1903 and took his A.B. from Yale University in 1907. After Yale, for fifteen months, he journeyed around the world, spending much time in China. Not many of his present readers know that his first paper, published in 1912, was titled, "The Penetration of Yün-nan," and that years later he gave to the New York Public Library 578 volumes and 136 pamphlets relating to China and the Far East, including many collector's items.

When he returned from these travels, he entered the melting pot of the College of Physicians and Surgeons and took his M.D. in 1912. He was surgical intern at Roosevelt Hospital from 1912 to 1914 and was married on June 22, 1914, to Jean Stoddart who, with their daughter Julia Frances, must approve this account before its printing.

In 1914 he was given his first two appointments in what is now the Columbia-Presbyterian Medical Center, i.e., Instructor in Surgery, College of Physicians and Surgeons, and Assistant Attending Surgical Pathologist, Presbyterian Hospital. In April, 1918, he entered the U.S. Army Medical Corps as First Lieutenant and served overseas with the A.E.F. from July 4, 1918, to May 5, 1919, with Mobile Operating Unit No. 1.

From the moment of his return from France he has remained steadily with the hospital and the medical school except for sabbatical leave in 1928 to write his book, "Human Cancer," published in 1932, and leave of absence in 1935 and 1936 to study at the Radiumhemmet in Stockholm, the Royal Cancer Hospital in London, and the Curie Institut in Paris. He was elected to membership in The Century Association in 1926 and signalized this distinction by appearing at eight o'clock surgical ward rounds wearing a huge wing collar and ascot tie. None of his friends took this ambivalence seriously.

Dr. Stout's dominant interests have been the classification of neoplasms on the basis of



Arthur Pundy Stout

their histogenesis and the correlation between histopathology and prognosis. These fields brought him into close collaboration with the late Dr. George F. Laidlaw, who contributed much to his knowledge by the development of special staining techniques, particularly fiber stains, and also with Dr. Margaret Murray, with whom he has studied intensively the growth in tissue culture of cells from human neoplasms.

Because his appointment was in a clinical department, the retiring age of 65—ridiculous in his case—must, to the great regret of his associates, be observed. He is no longer Professor of Surgery and Attending Surgical Pathologist, but instead Professor of Pathology and Pathologist for the new City Cancer Hospital—the Francis Delafield.

He has, in recent years, been somewhat less available to his immediate associates because of the inevitable demands upon him as a consultant. His trips to Washington in connection with his editorial duties on the "Atlas of Tumor Pathology" in preparation by the National Research Council have been so frequent and, in spite of long hours of concentrated work, apparently such a pleasure to him that we have been somewhat jealous of this new enthusiasm. He has, as can be seen in the following pages of his dossier, gone on from office to office, committee to committee, responsibility to responsibility, seminar to seminar, city to city, and state to state. Shortly it will be from continent to continent if we read the portents aright. To have listed these activities in this, my text, would have been to distract author and reader. They are included, in good biographical fashion, in an appendix. Even a glance at these opera is somewhat staggering. Dr. Stout has done all this at what would be a killing pace for most of his colleagues but he seems to thrive on it. In addition, his "arm-chair pathology," the slides for review sent in alarming numbers from all over the world, very nearly requires the services of a full-

time secretary and filing clerk. This will be well understood by readers of this sketch who have sent him such consultation material and received his characteristic detailed and scholarly reports.

Four years ago, at the suggestion of Dr. William L. Lehman, some of his former residents organized an informal group to meet once a year in his honor, for the pleasure of his company and the entertainment afforded by one of his tumor seminars. They call themselves the A.P.S. Club, are proud and exclusive, with only twenty-four members, and have a very good time. It was at the suggestion of Dr. John P. Heaney, one of the founders, that the Editor of *Cancer* was approached about reserving an issue as a Festschrift for Dr. Stout. July, 1951, was selected as a suitable date for the testimonial, the date of Dr. Stout's physical separation from Surgical Pathology. The contributors to the issue are chiefly former residents in Surgical Pathology or Surgery, younger colleagues and clinicians whose surgical approach has been influenced by Dr. Stout's teaching and counsel.

This brief biography had to be written in advance, obviously, while Dr. Stout is still in the department—while he still *is* the department. The writing of it should perhaps make his departure in July more readily envisaged. It does not. It is impossible to imagine Surgical Pathology here without him. The fact, however, that the Francis Delafield Hospital is on the edge of this huge pile of buildings, within coasting, if not walking, distance, makes us feel that he cannot escape his essential duties in the Presbyterian Hospital and that he will remain our Surgical Pathologist, whatever his new title. If he expects fewer local consultations he is doomed to disappointment. He has given such evidence of indestructibility that it occurs to no one to spare him or to dream of taking his place.

VIRGINIA KNEELAND FRANTZ

APPOINTMENTS

Consultant

Tumor Registry, American Society of Clinical Pathologists and Armed Forces Institute of Pathology, 1945-

Subcommittee on Steroids and Cancer of the Committee on Research of the Council on Pharmacy and Chemistry of the A.M.A., 1948

Official Civil Service Consultant to the Surgeon-General, U.S. Army

Consulting Pathologist

Hospital for Special Surgery, New York City, 1936-
New York Orthopaedic Hospital, New York City, 1931-
Hackensack Hospital, Hackensack, New Jersey, 1928-
Roosevelt Hospital, New York City, 1939-

Mather Hospital, Port Jefferson, New York, 1943-
Rip Van Winkle Clinic, Hudson, New York, 1947

White Plains Hospital, White Plains, New York, 1947
Englewood Hospital, Englewood, New Jersey, 1947-

Halloran Hospital, V.A., Staten Island, New York, 1946-1951
 Woman's Hospital, New York City, 1948
 St. Luke's Hospital, New York City, 1949
 Vassar Brothers Hospital, Poughkeepsie, New York, 1951-

Fellow

New York Academy of Medicine
 New York Academy of Sciences
 Royal Geographic Society
 Royal Society of Arts

Diplomate, American Board of Pathology, 1940

Member

American Association for the Advancement of Science
 American Association for Cancer Research
 American Medical Association

Halsted Club

Harvey Society

New York County Medical Society

New York Pathological Society

Medical Society of the State of New York

New York State Society of Pathologists

Secretary (and Director of the Professional Executive Committee), New York City Cancer Committee

Member

Medical Advisory Board for Draft Work, 1917

Committee on Medical Information, New York Academy of Medicine, 1941

New York County Rationing Board, Office of Price Administration, 1942-1946

Advisory Committee, Santa Fe Clinic, Inc., 1946

Professional Education Committee, American Cancer Society, Inc., 1917

Subcommittee on Oncology, Division of Medical Sciences, National Research Council, 1947

Committee on Clinical Fellowships, American Cancer Society, Inc.

Gastric Cancer Committee, National Advisory Cancer Council, National Cancer Institute

Panel of Physicians Especially Qualified with Respect to Diagnosis and Causal Relationships of Cancer, Committee on Workmen's Compensation, Medical Society of the State of New York

Foreign Corresponding Member, Sociedad Argentina de Anatomia Normal y Patologica, 1946

Member

Advisory Editorial Board, *Cancer*, 1947-

Specialty Advisory Board, *Postgraduate Medicine*

Advisory Editorial Board, *Radiology*, 1950

Consulting Editorial Staff, *New York State Journal of Medicine*, 1950

Advisory Editor, *CA, a Bulletin of Cancer Progress*, 1950

Editorial Advisor, *Journal of the National Cancer Institute*, 1950

Clubs

The Century Association

Republican Club

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- 1916 The process of repair in wounds of the small intestine. (with John E. McWhorter and Charles C. Lieb.) *Surg., Gynec. & Obst.* 23: 80-91.
- 1917 Conditions of the epididymis simulating carcinoma. *Proc. New York Path. Soc.* 17: 129-137.
- 1918 Statistics of neoplasms from surgical service. (with A. P. Phillips.) *M. & S. Rep. Presbyterian Hosp., New York City* 10: 165-212.
 A ganglioneuroma of the retropleural region. *M. & S. Rep. Presbyterian Hosp., New York City* 10: 213-223.
 Conditions of the epididymis simulating carcinoma. *M. & S. Rep. Presbyterian Hosp., New York City* 10: 224-235.
 A tumor of the ulnar nerve. *M. & S. Rep. Presbyterian Hosp., New York City* 10: 236-247.
 A tumor of the ulnar nerve. *Proc. New York Path. Soc.* 18: 2-12.
- 1923 Some changes occurring in accidentally transplanted bone. *Proc. New York Path. Soc.* 23: 121-130.
 A study of diverticulum formation in the appendix. *Arch. Surg.* 6: 793-829.
- 1924 Ganglioneuroma of the cervical and thoracic sympathetic ganglions. *J. A. M. A.* 82: 1770-1774.
- 1926 Gaucher's disease; with report of a case showing bone disintegration and joint involvement. (with E. H. Cushing.) *Arch. Surg.* 12: 539-560.
- 1927 Bases for prognosis in oral epitheliomas. *J. Am. Dent. A.* 14: 703-707.
 Isolated lymphoid hyperplasia in the cecum and appendix of children. *Am. J. Dis. Child.* 34: 797-806.
- 1928 Branchial anomalies and neoplasms; a report of thirty-two cases with follow-up results. (with Louis Carp.) *Ann. Surg.* 87: 186-209.
 A study of ganglion; with especial reference to treatment. (with Louis Carp.) *Surg., Gynec. & Obst.* 47: 460-468.
- 1929 Sarcoma of the uterus. (with J. A. Corscaden.) *Am. J. Roentgenol.* 21: 155-167.
- 1933 "Orbital inclusion" cysts and cysto-adenomas of the parotid salivary glands. (with C. J. Kraissl.) *Arch. Surg.* 26: 485-499.
 Experimental pleural adhesions. (with Samuel Hirshfeld and John Cohen.) *Arch. Surg.* 26: 892-900.
 The gingivae during pregnancy; an experimental study and a histopathological interpretation. (with Daniel E. Ziskin and S. N. Blackberg.) *Surg., Gynec. & Obst.* 57: 719-726.
- 1934 Meckel's diverticulum; report of a case of hemorrhage in the bowel associated with a Meckel's diverticulum that presented an adenoma composed of gastric and duodenal glands. (with R. N. Schullinger.) *Arch. Surg.* 28: 440-466.
 Roentgen therapy of epitheliomas of the pharynx and larynx. (with Maurice Lenz and Cornelius G. Coakley.) *Am. J. Roentgenol.* 32: 500-507.
- 1935 Factors influencing the determination of radiosensitivity of cancers of the oral cavity and upper respiratory tracts. *Am. J. Roentgenol.* 33: 327-331; disc. 337-339.
 Tumors of the neuromyo-arterial glomus. *Am. J. Cancer* 24: 255-272.
 The peripheral manifestations of the specific nerve sheath tumor (neurilemoma). *Am. J. Cancer* 24: 751-796.
 The malignant tumors of the peripheral nerves. *Am. J. Cancer* 25: 1-36.
- 1936 Adrenal cortical tumors. (with George F. Cahill, R. F. Loeb, R. Kurzrok, and F. M. Smith.) *Surg., Gynec. & Obst.* 62: 287-312; disc. 312-313.
- 1937 Solitary cutaneous and subcutaneous leiomyoma. *Am. J. Cancer* 29: 435-469.
 Tumors of the peripheral nerves. (with George F. Laidlaw and Cushman D. Haagensen.) *In ASSOCIATION FOR RESEARCH IN NERVOUS AND MENTAL DISEASE: Tumors of the Nervous System; an Investigation of the Most Recent Advances. The Proceedings of the Association for Research in Nervous and Mental Disease, New York, December 27th and 28th, 1935. Association for Research in Nervous and Mental Disease, Vol. XVI of a Series of Research Publications. Baltimore. Williams & Wilkins Co.; Chap. XV, pp. 417-439.*

- 1938 The relationship of malignant amelanotic melanoma (naevocarcinoma) to extramammary Paget's disease. *Am. J. Cancer* 33: 196-204.
Leiomyoma of the oral cavity. *Am. J. Cancer* 34: 31-36.
Perianal cysts of vestigial origin. (with John A. Gius.) *Arch. Surg.* 37: 268-287.
- 1939 Malignant manifestations of Bowen's disease. *New York State J. Med.* 39: 801-809.
The painful subcutaneous tubercle (tuberculum dolorosum). *Am. J. Cancer* 36: 25-33.
- 1940 Schwann cell versus fibroblast as the origin of the specific nerve sheath tumor; observations upon normal nerve sheaths and neurilemmomas in vitro. (with Margaret R. Murray, and the assistance of Cloyce F. Bradley.) *Am. J. Path.* 16: 41-60.
Spontaneous primary carcinoma of the prostate in a monkey (*Macaca mulatta*). (with Earl T. Engle.) *Am. J. Cancer* 39: 334-337.
- 1941 Smooth muscle tumors of the gastrointestinal tract and retroperitoneal tissues. (with Theodore Golden.) *Surg., Gynec. & Obst.* 73: 784-810.
- 1942 The glomus tumor; investigation of its distribution and behavior, and the identity of its "epithelioid" cell. (with Margaret R. Murray.) *Am. J. Path.* 18: 183-203.
Is lymphosarcoma curable? *J. A. M. A.* 118: 968-970.
Sarcoma of the breast. (with Robert P. Hill.) *Arch. Surg.* 44: 723-759.
Superficial spreading type of carcinoma of the stomach. *Arch. Surg.* 44: 651-657.
Demonstration of the formation of reticulin by Schwannian tumor cells in vitro. (with Margaret R. Murray.) *Am. J. Path.* 18: 585-593.
Hemangiopericytoma; a vascular tumor featuring Zimmermann's pericytes. (with Margaret R. Murray.) *Ann. Surg.* 116: 26-33.
Neuroepithelioma of the radial nerve with a study of its behavior in vitro. (with Margaret R. Murray.) *Rev. canad. de biol.* 1: 651-659.
Carcinoid tumors of the rectum derived from Erspamer's pre-enterochrome cells. *Am. J. Path.* 18: 993-1009.
Characteristics of human Schwann cells in vitro. (with Margaret R. Murray.) *Anat. Rec.* 84: 275-298.
Carcinoma of the breast. I.—Results of treatment. (with C. D. Haagensen.) *Ann. Surg.* 116: 801-815.
Localized pleural mesothelioma; investigation of its characteristics and histogenesis by the method of tissue culture. (with Margaret R. Murray.) *Arch. Path.* 34: 951-964.
- 1943 Granular cell myoblastoma. (with Robert C. Horn, Jr.) *Surg., Gynec. & Obst.* 76: 315-318.
Hemangiopericytoma of the omentum. (with Chester Cassel.) *Surgery* 13: 578-581.
Cellular origin of bronchial adenoma. *Arch. Path.* 35: 803-807.
Pathology of carcinoma of the stomach. *Arch. Surg.* 46: 807-822.
Neurilemmoma [sic] of the nasal septum. (with R. M. Bogdasarian.) *Arch. Otolaryng.* 38: 62-64.
Characteristics of a liposarcoma grown in vitro. (with Margaret R. Murray.) *Am. J. Path.* 19: 751-763.
A discussion of the pathology and histogenesis of Ewing's tumor of bone marrow. *Am. J. Roentgenol.* 50: 334-342; disc. 353-354.
Hemangio-endothelioma: a tumor of blood vessels featuring vascular endothelial cells. *Ann. Surg.* 118: 445-464.
Carcinoma of the breast. II.—Criteria of operability. (with C. D. Haagensen.) *Ann. Surg.* 118: 859-870; 1032-1051.
Malignant tumors of the peripheral nerves. [Abstr.] *Proc. New York Path. Soc.* [1942-45]: 60-61.
- 1944 Liposarcoma—the malignant tumor of lipoblasts. *Ann. Surg.* 119: 86-107.
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The surgical treatment of malignant melanomas of the skin. (with Jerome P. Webster and Thomas W. Stevenson.) *S. Clin. North America* 24: 319-339.
Synovial sarcoma. (with Cushman D. Haagensen.) *Ann. Surg.* 120: 826-842.
Synovial sarcoma and normal synovial tissue cultivated in vitro. (with M. R. Murray and I. A. Pogogoff.) *Ann. Surg.* 120: 843-851.
- 1945 Multiple plasmocytoma of the jejunum; report of a case. (with Joseph J. Esposito.) *Am. J. Roentgenol.* 53: 33-39.
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- 1946 Rhabdomyosarcoma of the skeletal muscles. *Ann. Surg.* 123: 447-472.
Intraorbital melanosis and intracranial neuroepithelioma of the optic nerve; report of a case. (with Charles A. Perera.) *Arch. Opthth.* 35: 678-687.
Granular cell myoblastoma of the mammary gland. (with C. D. Haagensen.) *Ann. Surg.* 124: 218-227.
Liposarcoma of the female mammary gland. (with Max Bernanke.) *Surg., Gynec. & Obst.* 83: 216-218.
Traumatic and amputation neuromas. (with Arthur K. Cieslak.) *Arch. Surg.* 53: 646-651.
- 1947 The results of treatment of lymphosarcoma. *New York State J. Med.* 47: 158-164.
Ganglioneuroma of the sympathetic nervous system. *Surg., Gynec. & Obst.* 84: 101-110.
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Distinctive characteristics of the sympatheticoblastoma cultivated in vitro; a method for prompt diagnosis. (with Margaret R. Murray.) *Am. J. Path.* 23: 429-441.
- 1948 Mesenchymoma, the mixed tumor of mesenchymal derivatives. *Ann. Surg.* 127: 278-290.
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- 1949 Primary plasma-cell tumors of the upper air passages and oral cavity. (with Francis R. Kenney.) *Cancer* 2: 261-278.
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- 1950 Primary lymphosarcoma of the small intestine; analysis of thirteen cases and review of the literature. (with Peter M. Marcuse.) *Cancer* 3: 459-474.
Cultural characteristics of some human tumors derived from nerve cells at various stages of differentiation. (with Margaret R. Murray.) *Acta, Union internat. contre cancer* 6: 1007-1009.
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Solitary fibrous mesothelioma of the peritoneum. *Cancer* 3: 820-825.
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- 1951 Solitary (localized) mesothelioma of the pleura. (with George M. Himadi.) *Ann. Surg.* 133: 50-64.
The papillary neoplasms of the breast. I. Benign intraductal papilloma. (with C. D. Haagensen and Jim S. Phillips.) *Ann. Surg.* 133: 18-36.
Carcinoma of sweat glands. (with Stephen G. E. Cooley.) *Cancer* 4: 521-536.

Thirty-eight additional references on these same subjects have been omitted because of space limitation.