

PUBLICATIONS

Department of
PATHOLOGY
MEDICAL COLLEGE OF GEORGIA

A Bibliography, 1838–2000

EDITED BY

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NOTE: A bound copy of this bibliography is available without charge as long as the supply lasts. Send request to Dr. A. B. Chandler, Department of Pathology, BF-122, MCG or to >bchndlr@mail.mcg.edu<

CONTENTS

PREFACE	ix
PUBLICATIONS	I
PDAY PUBLICATIONS	123
SELECTED QUOTATIONS	129
ILLUSTRATION CREDITS	131
INDEX OF NAMES	133

PREFACE

This bibliography is a companion volume to the history of pathology at the Medical College of Georgia published in 2000.* The present volume provides a picture of the scientific and research accomplishments of the pathology faculty and staff from 1838 to 2000. One can see the wide scope of contributions over the years and the areas of emphasis with the passage of time, beginning with Louis Alexander Dugas in 1838, one year after the Chair of Physiology and Pathological Anatomy was established. Pathology was taught in connection with physiology for most of the nineteenth century and with bacteriology in the early twentieth century. An assistant to the chair was added in 1895. As the faculty continued to grow, departmental status was granted in 1913.

Dugas held the chair from 1838 to 1850. He was also a practicing surgeon, which accounts for the surgical nature of many of his articles. He went on to occupy the Chair of Surgery in 1850. Very few publications appeared for the rest of the nineteenth century until Theodore Eugene Oertel was appointed to the pathology chair in 1898. Like Dugas, he was a prolific writer whose articles were often clinically oriented. Oertel became the Professor of Ophthalmology, Otolaryngology and Rhinology in 1913.

There followed a long drought in publications until the early 1930s when the modern era of the department got underway. The appointment of Edgar Rudolph Pund as the Professor of Pathology and Bacteriology in 1931 marked

* Chandler, A. B. *Pathology at the Medical College of Georgia. A Chronicle, 1837-1997*. Athens, Ga.: Stratford Press, 2000.

a turning point in the scientific and research output of the department. Thenceforth, many papers began to appear. A moving force in the resurgence of scholarly activity was the young, energetic Robert B. Greenblatt, who joined the department in 1935. At first, there was heavy emphasis on studies of venereal diseases and later on, neoplasia.

From the 1930s on, much of the research cited in this bibliography was supported by extramural grants and fellowships, and from 1958 to 1970 by a departmental research training grant. Internal funding also played a significant role in research and consequent publications. These internal funds were derived mainly from retained professional income.

Once the Medical College acquired its own teaching hospital in 1956, the pathology faculty under the leadership of Leland D. Stoddard expanded rapidly as did publications over a broad range of interests. The unique position pathology holds between clinical medicine and the biomedical sciences lends itself to collaborative endeavors, which is amply demonstrated in this volume.

The bibliographic sources are: *Southern Medical and Surgical Journal*, 1838–1867; *Index Medicus*, 1873–1934; *Transactions of the Medical Association of Georgia*, 1878–1910; *Journal of the Medical Association of Georgia*, 1911–1934; the annual reports of the department from 1934–2000; individual curricular vitae and the retrieval services of the National Library of Medicine and the British Library. Bound reprints from 1932–1976 housed in the departmental library were also consulted.

In each entry of the bibliography, an author's name in bold type denotes a faculty or staff member of the Department of Pathology. Former members who authored articles based on studies conducted while in the department are similarly identified. An index of the pathology department authors with the year of each publication is appended.

The legacy of sustained contributions to medical knowledge by the pathology faculty and staff spanning more than 160 years provides a solid base for continued progress in the years ahead. As questions arise and concepts of disease evolve, new and compelling scientific inquiries will further advance pathology in the twenty-first century.

March 1, 2006

A. Bleakley Chandler

PUBLICATIONS

1838

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Dugas, L. A. Remarks on convulsions. *Southern Medical and Surgical Journal* 2:526-531, 1838.

Dugas, L. A. Operations on the eye. *Southern Medical and Surgical Journal* 2:647-651, 1838.

1839

Dugas, L. A. Report on the ligamentum dentis. *Southern Medical and Surgical Journal* 3:274-280, 1839.

Dugas, L. A. Mortality in Augusta, during the years 1837 and 1838. *Southern Medical and Surgical Journal* 3:648-650, 1839.

1845

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Dugas, L. A. Extirpation of the mamma of a female in the mesmeric sleep, without any evidence of sensibility during the operation. *Southern Medical and Surgical Journal*, New Series 1:122-125, 1845.

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*Where a cell arises, there a cell must have previously existed
(omnis cellula e cellula), just as an animal can spring only from
an animal, a plant only from a plant.*

RUDOLPH VIRCHOW, 1859

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*A man shouldn't be allowed to practice nowadays
without a microscope.*

THEODORE E. OERTEL, 1911

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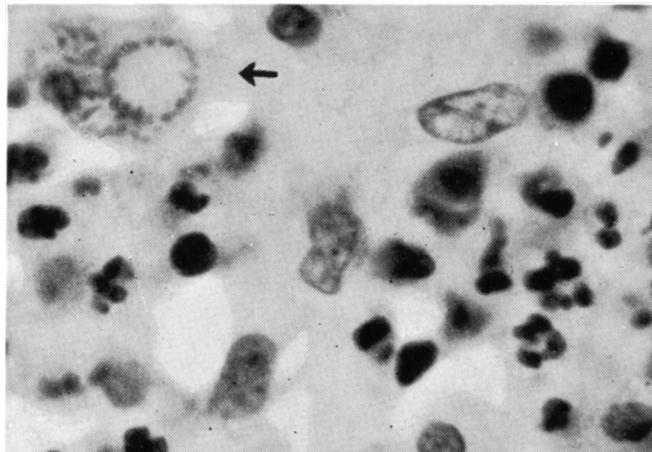


Fig. 1 (case 1).—Section from lesion of cervix. Note the characteristic cell of granuloma inguinale and the arrangement of the bodies within the intracytoplasmic cysts (upper left). Hematoxylin and eosin.

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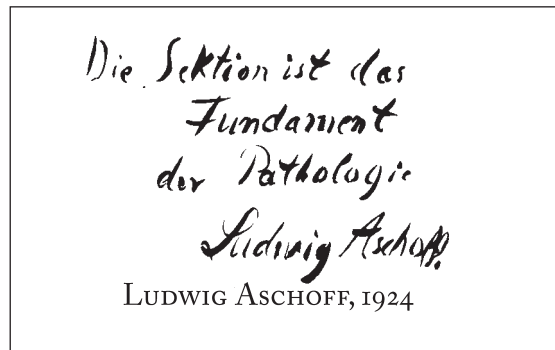
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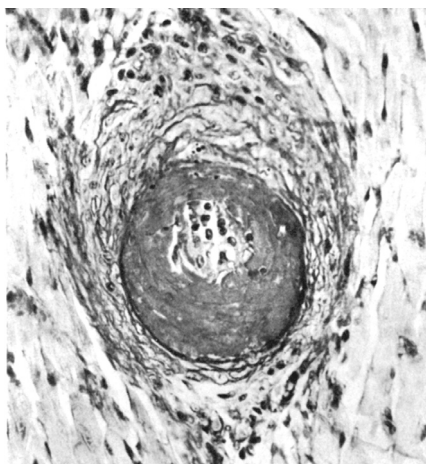


FIG. 13. Adrenal-enucleated rat, 7 weeks. Fibrinoid necrosis and thick layer of subendothelial fibrinoid material in arteriole of ventricular wall of heart. PAS stain. $\times 322$.

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(The preceding three articles are a tribute to Dr. Edgar R. Pund on the occasion of his retirement in 1958 as President of the Medical College of Georgia.)



*A doctor above all should be the servant of all,
but the hireling of none.*

EDGAR R. PUND, 1955

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FIG. 13. A gross photograph of a rabbit's lung, containing a pulmonary arterial thrombus 3 weeks after embolization. The original thrombus has become a fibrofatty atherosclerotic plaque (arrow), identified grossly at the T-shaped arterial bifurcation as an eccentric, butter yellow thickening of the intima. Buffered formalin fixation.

FIG. 14. A section of the plaque depicted in Figure 13. Characteristic layers of endothelium, elastica, collagen, lipophages and minute capillary channels comprise the plaque, beneath which the arterial media is atrophic. Resorcin fuchsin stain. $\times 160$.

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Those who have dissected or inspected many [bodies] have at least learned to doubt, when the others, who are ignorant of anatomy, and do not take the trouble to attend to it, are in no doubt at all.

J. BAPTISTAE MORGAGNI, 1761

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The dependence of research on education is of fundamental importance. Scientific investigation is the fruit of a tree which has its roots in the educational system, and if roots are neglected and unhealthy there will be no fruit.

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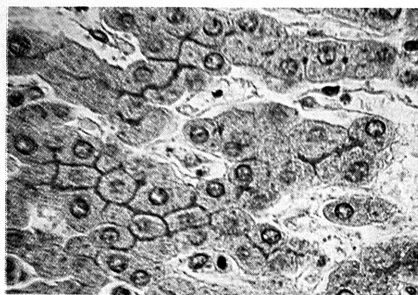


Fig 1.—Liver section. Myoid layer lining apparently normal bile canaliculi is easily distinguished from the cytoplasm. (tannic acid-phosphomolybdic acid-Levanol Brilliant Red 3BA, original magnification $\times 400$).

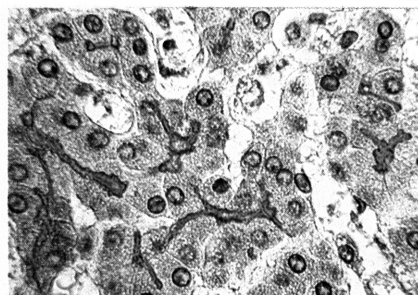


Fig 3.—Liver section from 10-month-old infant with atresia of bile ducts. Most bile canaliculi are dilated and surrounded by prominent myoid layer. Such hypertrophy supports theories that layer is contractile and aids bile flow under positive pressure (tannic acid-phosphomolybdic acid-Rose Bengal G, original magnification $\times 630$).

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and their names are worn out words.*

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*If I set out to prove something, I am no real
scientist—I have to follow where the facts lead me—
I have to learn to whip my prejudices.*

LAZZARO SPALLANZANI, C. 1780

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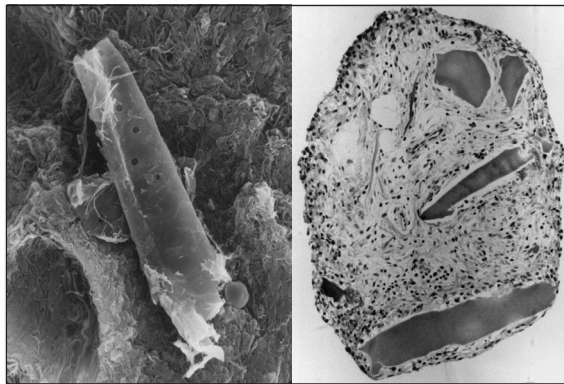


FIG. 5 (*left*). Torn fragment of synovium with embedded shards of cartilage. Scanning electron microscopy.

FIG. 6 (*right*). Synovium with shards of ochronotic cartilage. Hematoxylin and eosin.

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Preconceived ideas are like searchlights which illuminate the path of the experimenter and serve as a guide to interrogate nature. They become a danger only if transformed into fixed ideas.

LOUIS PASTEUR, c. 1880

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*In making theories always keep a window open
so that you can throw one out if necessary.*

BELA SCHICK, 1965

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*The scientific method is a potentiation of common sense . . .
it can be resolved into a dialogue between fact and fancy,
the actual and the possible; between what could be
true and what is in fact the case.*

PETER B. MEDAWAR, 1969

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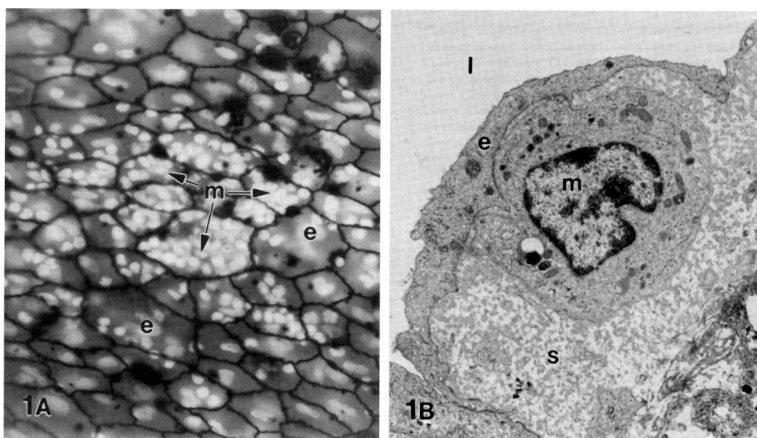


Figure 1. Subendothelial monocyte accumulation in human thoracic aorta. (A) Silver strain shows borders of endothelial cells (e); nuclei are revealed by propidium iodide fluorescence. Subendothelial monocytes are the small clustered nuclei (m). x 140. (B) Transmission electron micrograph showing a monocyte (m) in close apposition to an overlying endothelial cell (e). The vessel lumen (l) and subendothelial space (s) are indicated. x 5,900.

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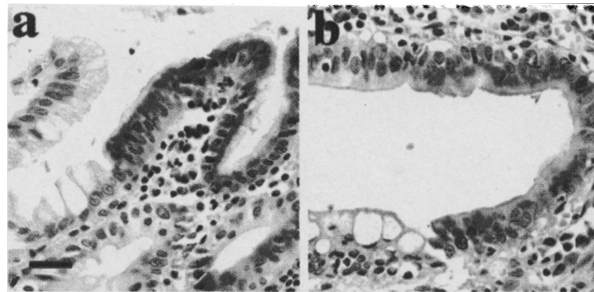


Figure 2.

Supranuclear localization of Rab11. In low-grade dysplastic cells within esophageal resection specimens (a and b), Rab11 immunoreactivity was localized to a well-defined supranuclear region.

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*The practice of good medicine depends on good practice
of pathology. Each is essential to the other
and cannot long survive alone.*

A. BLEAKLEY CHANDLER, 1972

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*The scientific journey has no end. It has only
halting places—points at which the traveler can look
round and survey.*

CHARLES SHERRINGTON, 1941

PDAY PUBLICATIONS

CORE PUBLICATIONS:

PATHOBIOLOGICAL DETERMINANTS OF ATHEROSCLEROSIS IN YOUTH (PDAY) RESEARCH GROUP, 1990-2000

From the National Institutes of Health Multicenter Study of Pathobiological Determinants of Atherosclerosis in Youth (PDAY). The Medical College of Georgia Center; Principal Investigator: **A. B. Chandler**, Co-Principal Investigator: **R. N. Rao**, Coinvestigators: **D. G. Falls, III**, **R. G. Gerrity**, **B. O. Spurlock**, **K. B. Sharma**, **J. S. Sexton**.

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pages 123–127
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Sexton, J. S., pages 123–127
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 Smith, M. T., 1990; 1992–1993
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 Sobel, R. E., 1973; 1977–1978
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 Spencer, M., 1985
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 1987–1989; pages 123–127
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 Steele, J. C. H., Jr., 1983–1989;
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