

THE ANATOMICAL RECORD

MANAGING EDITOR

CHARLES M. GOSS
Louisiana State University

ASSOCIATE EDITORS

JOHN W. EVERETT Duke University	WILLIAM U. GARDNER Yale University	THOMAS E. HUNT University of Alabama	ROY G. WILLIAMS University of Pennsylvania
------------------------------------	---------------------------------------	---	---

NEWTON B. EVERETT University of Washington	WILLIAM W. GREULICH Stanford University	OLIVER P. JONES University of Buffalo	W. LANE WILLIAMS University of Mississippi
---	--	--	---

VOLUME 138

SEPTEMBER, OCTOBER, NOVEMBER, DECEMBER 1960

IN MEMORIAL TO
NORMAND LOUIS HOERR

PUBLISHED BY

THE WISTAR INSTITUTE OF ANATOMY AND BIOLOGY

PHILADELPHIA, PA.

The official organ of the
AMERICAN ASSOCIATION OF ANATOMISTS

Printed in
The United States of America at the
PRESS OF
THE WISTAR INSTITUTE
OF ANATOMY AND BIOLOGY
PHILADELPHIA

B590.5
Anl

CONTENTS

No. 1 SEPTEMBER 1960

ARNOLD LAZAROW. Foreword	3
GORDON H. SCOTT. Normand Louis Hoerr: The Man and His Achievements	7
ARNOLD LAZAROW. Normand Louis Hoerr: His Contributions to Cytochemistry and His Role as a Teacher	8
C. H. U. CHU. A Study of the Subcutaneous Connective Tissue of the Mouse, with Special Reference to Nuclear Type, Nuclear Division and Mitotic Rhythm	11
PAUL R. PATEK AND SOL BERNICK. Time Sequence Studies of Reticuloendothelial Cell Responses to Foreign Particles ...	27
SYLVIA H. BENSLEY. Microscopic Studies of the Living Iris ...	39
S. J. COOPERSTEIN, P. K. DIXIT AND ARNOLD LAZAROW. Studies on the Mechanism of Janus Green B Staining of Mitochondria. IV. Reduction of Janus Green B by Isolated Cell Fractions	49
MARY ELLEN HARTMAN. The Relationship of Glomerular Plasma Flow to the Etiology and Progression of Hypertension ...	67
<i>Books.</i> Reviews by Charles M. Goss	73

No. 2 OCTOBER 1960

GARMAN HARLOW DARON. Morphology of the Cerebellar Dentate Nucleus in a Chimpanzee	81
WILLIAM L. STRAUS, JR. The Subarcuate Fossa in Primates ...	93
OLIVER P. JONES. Origin of Megakaryocyte Granules from Golgi Vesicles	105
ANTHONY A. PEARSON AND ARTHUR L. ECKHARDT. Observations on the Gray and White Rami Communicantes in Human Embryos	115

U of M Bindery APR 29 1961 (B)

CONTENTS

SYDNEY M. FRIEDMAN AND CONSTANCE L. FRIEDMAN. The Use of Ion-Specific Glasses in Biological Systems 129

M. NEIL MACINTYRE, JAMES E. HUNTER AND ALICE H. MORGAN. Spatial Limits of Activity of Fetal Gonadal Inductors in the Rat 137

JOHN D. HARTMAN AND DENNIS M. GORETSKY. Changes in the Glycolytic Activity of Blood and Exudate Leukocytes during an Inflammatory Reaction 149

PAUL GIBBONS ROOFE. The Rate of Flow of Blood through Capillaries in the Olfactory Lobe of the Brain of *Amblystoma tigrinum* 159

CHARLES N. LOESER, SEYMOUR S. WEST AND MELVIN D. SCHOENBERG. Absorption and Fluorescence Studies on Biological Systems: Nucleic Acid-Dye Complexes 163

STUART W. SMITH AND PAUL N. ANDERSON. Qualitative Cytochemical Localization of Pyrimidine Deoxyribonucleotide Residues in Fixed Tissue Sections 179

No. 3 NOVEMBER 1960

WILLIAM L. SIMPSON AND YUTAKA HAYASHI. Distribution of Mast Cells in the Skin and Mesentery of BALB/c and C57BL Mice 193

EDWARD R. ARQUILLA AND CHARLOTTE COBLENCÉ. The Isolation of Rabbit Insulin Antibodies 203

RAYMOND G. MURRAY AND ASSIA MURRAY. The Fine Structure of the Taste Buds of Rhesus and Cynomolgus Monkeys ... 211

T. G. FARKAS, R. F. IVORY AND J. W. PATTERSON. Glucose Uptake and Utilization of Isolated Lenses from Normal and Diabetic Rats Following Insulin Injection 235

JAE NAM KIM, WALTER RUNGE, LEMEN J. WELLS AND ARNOLD LAZAROW. Pancreatic Islets and Blood Sugars in Prenatal and Postnatal Offspring from Diabetic Rats: Beta Granulation and Glycogen Infiltration 239

EDWARD H. BLOCH AND ROBERT H. HASS. The Thermal Control of Tissue Used in Quartz-Rod Transillumination 261

CONTENTS

GEORGE W. BARTELMEZ. Neural Crest from the Forebrain in Mammals 269

MARION HINES. A Histochemical Study of the Localization of Cholinesterase in Skeletal Muscle during its Regeneration 283

AMERICAN SOCIETY OF ZOOLOGISTS. Annual Meeting; New York City, New York, December 28 through 30, 1960. Officers, Proceedings, Program and List of Titles, Abstracts of Papers, Author Index 299

No. 4 DECEMBER 1960

JOHN W. PATTERSON. Effects of Galactosemia 395 ✓

LOUISE WARNER AND MURRAY C. BROWN. Techniques for Studying Microcirculation in the Eye 399 ✓

SANFORD L. PALAY. The Fine Structure of Secretory Neurons in the Preoptic Nucleus of the Goldfish (*Carassius auratus*) 417

ISIDORE GERSH, JUAN VERGARA AND GIOVANNI L. ROSSI. Use of Anhydrous Vapors in Post-Fixation and in Staining of Reactive Groups of Proteins in Frozen-Dried Specimens for Electron Microscopic Studies 445

SARAH A. LUSE. The Ultrastructure of Normal and Abnormal Oligodendroglia 461

Books:

 Reviews 493

 Received 495

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.