

A New Focus

In 1978 the Departments of Biology and Chemistry at Georgia State University developed an interdisciplinary program for scientific research and instruction, the Laboratory for Microbial and Biochemical Sciences. The research programs of Dr. Eleanor B. Smithwick, Assistant Professor of Biology and of several others of the Laboratory faculty required transmission electron microscopy.

Dr. Smithwick, an experienced electron microscopist, and a consortium of these scientists were awarded a Biological Instrumentation Grant from the National Science Foundation toward the purchase of a high resolution transmission electron microscope costing \$137,000. The University provided matching funds to complete the purchase and renovated the laboratory housing this instrument.

The new JEOL electron microscope is housed in Dr. Smithwick's laboratory in 484 Kell and will be under her supervision. Instruction will include methods to prepare specimens for electron microscopy, operation of the instrumentation, and high resolution electron- and photomicrography printing. Dr. Smithwick has already begun collaborative research with several of the faculty of Biology and Chemistry and will be training and supervising the students and staff involved in these projects. The first formal course (Bio 452/652) will be offered this spring. As the only electron microscope on campus, this instrument constitutes a significant contribution toward instruction and research at GSU.

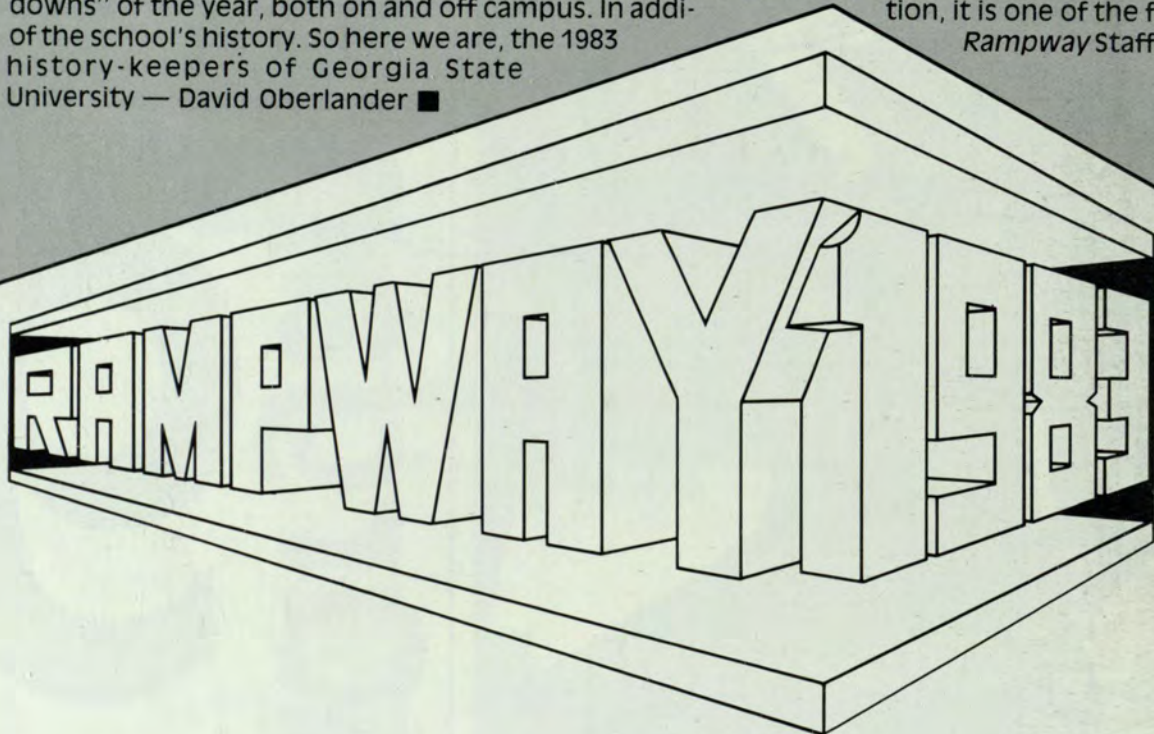
The research interests of the faculty and students using the electron microscope are diverse and encompass many areas of national concern, including mechanisms of mammalian flagellar motility, microbial degradation of petroleum hydrocarbons, environmental effects on plant metabolism and photosynthesis, application of genetic engineering to enzyme regulatory mechanisms, host-virus interactions, molecular probes of biological membranes, steroid hormone-cell interactions, and various analyses of chromosomes, plasmids, nucleosomes and DNA. This state-of-the-art transmission electron microscope is a valuable research tool, capable of providing the correlative fine structural/functional data essential to many current research commitments. ■

Photos by W. Pettus



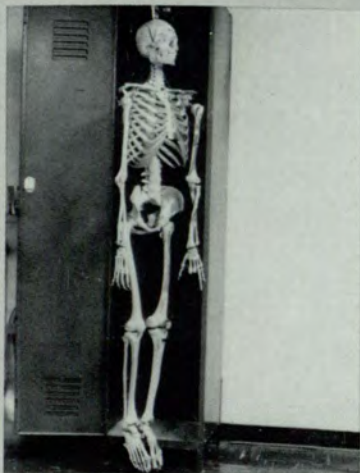
First row: Felecia Travis, Michael J. Baxter, Sharon Blalock, Anita Martin, Tracye Hill, David Oberlander. Second row: Golfo Gianna kopoulos, Wesley Pettus, Besa Trenova, Rick Rodriguez, Cynthia Sinkfield, Jim McAnally.

Here we are, the 1983 *Rampway* Staff. Now you might be wondering just how the *Rampway* got its name. To understand the name you will first have to take a walk over to Georgia State University's first building, Kell Hall. Back in 1913, Kell Hall was nothing more than a parking deck. For a good parking garage to work it needs ramps for the cars to go up and down. Or even sideways from time to time. Anyway, these precious ramps have remained intact for 70 years. Now a yearbook is usually named for something at the school — say a fountain, or something else — and the ramps in Kell Hall helped to give Georgia State's yearbook a name — i.e., *Rampway*, follow? But one must remember, of course, that a yearbook is much more than just a name. It is a book which records the "ups and downs" of the year, both on and off campus. In addition, it is one of the few records of the school's history. So here we are, the 1983 history-keepers of Georgia State University — David Oberlander ■



Faculty

College of Arts and Sciences



W. Pettus

Anthropology

Dr. William Partridge
Department Head
Dr. William Blakely
Dr. Valerie Fennell
Dr. Carole Hill
Dr. Ina Jane Wundram

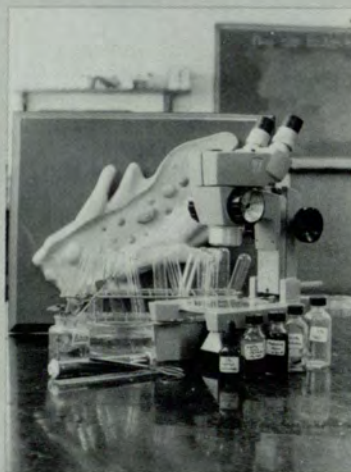


W. Pettus

Art

Mr. Glynn Acree
Department Head
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Ms. Mary Low Andretti
Mr. Jeff Ashworth
Mr. George Beasley
Mr. Tim Bookout

Dr. Irving Finkelstein
Dr. Brian Jefferson
Mr. Bob Jessup
Mr. Med Johnston
Dr. Jean Ellen Jones
Ms. Zöe Lancaster
Dr. Hanna Lerski
Mr. Richard Mafong
Mr. Charlie Malin
Mr. George Mallett
Mr. Don McCance
Mr. Jim McLean
Mr. John Williams
Dr. Verle Mickish
Dr. Richard Moore
Ms. Zenaide Reiss
Mr. Bill Reusswig
Mr. Sam Roussi
Mr. Larry Thomas
Mr. Alan Tiegreen



W. Pettus

Biology

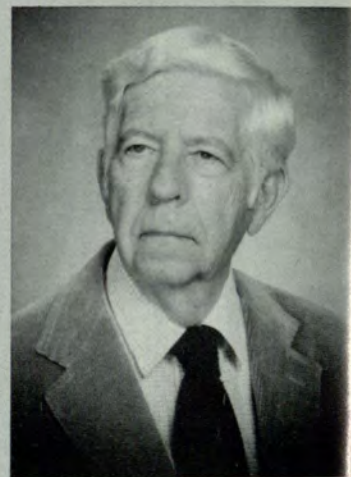
Dr. Ahmed Abdelal
Department Head
Dr. Donald Ahearn
Dr. Lee Bussey
Dr. Warren Cook
Dr. Sidney Crow
Dr. Donald Edwards
Dr. Teryl Frey
Mrs. Margaret Friend
Dr. Peter Gaffney
Dr. Blanche Griggs
Dr. Adly Ibrahim
Mr. Paul Loiter
Dr. Sally Meyer
Dr. William Nolan
Dr. Fred Parrish
Dr. Donald Reinhardt
Mr. James Satterfield
Dr. Eleanor Smithwick
Dr. Kristina Wright



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Dr. James Bronaugh
Dr. Robert Cherniak
Dr. Fred Henneike
Dr. Donald Hicks
Dr. Harry Hopkins, Jr.
Dr. Ronald Jones
Dr. Jane Mather
Dr. Frank O'Brien
Mr. Ambrose Pendergrast
Dr. Curtis Sears
Dr. Jerry Smith
Dr. William Trawick
Dr. Leland Vickers
Dr. David Wilson



English

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Department Head
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Dr. David Bottoms
Dr. John Burrison
Dr. William Colburn
Dr. Kenneth England
Dr. William Evans
Dr. Patricia Ferrara
Dr. Bradford Fletcher
Dr. Janet Gabler
Dr. Thomas Gilmore
Dr. Patricia Graves
Dr. George Haich
Dr. Leslie Harris