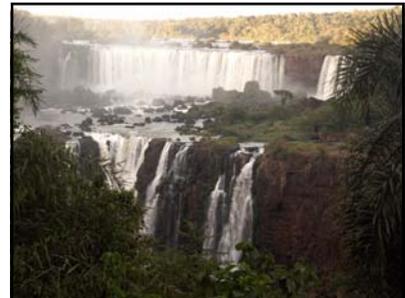


DR. AND MRS. THORNTHWAITE TRAVEL TO HELP ALBERT EINSTEIN HOSPITAL

Dr. Jerry and Mrs. Bonita Thornthwaite were invited during spring break to work at the Albert Einstein Hospital in Sao Paulo, Brazil. Dr. Thornthwaite presented at the Annual Brazilian Flow Cytometry Workshop on the subject "Critical Parameters in High Resolution DNA and Electronic Nuclear Volume Measurements in Normal and Cancerous Tissues". He also presented to three laboratories and established protocols for determining cancer cells in autologous bone marrow before transplantation. This protocol has been approved and proof of principal demonstrated by Dr. Thornthwaite. They also visited the falls at Iguassu, one of the natural wonders of the world consisting of over 275 waterfalls.



(Above—clockwise) Albert Einstein Medical Laboratory; Iguassu Falls ; Hospital of Cancer personnel in Sao Paulo discussing a bone marrow transplant study; Bonita with the NPE Analyzer

A BIRTHDAY PARTY! AND A NEW GENIUS FOR CANCER RESEARCH?



(Above) Easton smiling for the camera with Tony Kirk
(Right) At Rita's 40th birthday party from left to right, Ben Kachelman, Bonita Thornthwaite, Tony Kirk, Ruth Webb, Dr. Charles Webb, Rita "the birthday girl" McCain, and Andrea Thornthwaite



Recently, we had a surprise birthday party for Rita. The mystery guest was Bonita and Jerry's new grandson, Easton. We were all very happy to celebrate with Rita, and delighted to play with Easton. We can't tell you how old Rita is, but last year she celebrated her 39th birthday. :)



Ben Kachelman playing with Easton at the birthday party.

INSTITUTE STUDENTS WIN FIRST PLACE AWARD

Mr. Will Brooks, along with Mr. Joe Deweese, presented a paper March 23 at the Tennessee Academy of Science in Memphis. The original work performed at the CRIWT featured their work on DNA analysis of paraffinated tissues. The West Tennessee Academy of Sciences presented Will, a senior chemistry major, a first-place award

for his research on DNA tumor tissue analysis. The prize was presented at the academy's 2001 Collegiate

"We are seeing what the pathologist observes under the microscope, nuclear size and chromatin staining, only with a machine-based objective high-resolution cytometer." — Will Brooks



(Above) Will performs the process of deparaffinating tissue in order to study the DNA content
(Left) Joe sits at the imaging system used to determine viability counts

Meeting, hosted on March 23 at LeMoyne-Owen College in Memphis.



CANCER RESEARCH, AND A MARRIAGE FACTORY?

Our students have a variety of plans that will reflect a summer of post-graduate work.

Ben Kachelman will be attending the UAB School of Optometry in the fall. He was accepted at Nova Southeastern medical school in Ft. Lauderdale, FL, and also interviewed at UAB medical school. He and Miss Hope Hutton will marry on July 20. Ben will continue to work here through the end of June.

Dale Brooks will graduate in May and marry Miss Christina Bonds on June 8. Dale has also interviewed at UAB medical school, and at South Alabama School of Medicine and is awaiting his acceptance to school this fall.

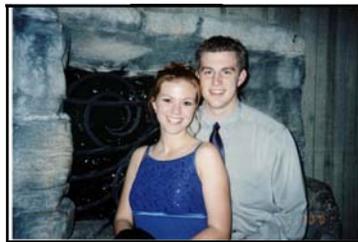
Will Brooks will work in a research lab at

the UAB this summer. After his December graduation this year, he plans to pursue graduate studies in medicinal chemistry to prepare for a career in medical research.

Stephanie Woodall will work with Emily McDuffee this summer here at the lab on cell culture and other areas.

Joe Deweese will be marrying Miss Elizabeth Askew on May 31. Joe will be

working here this summer, and will continue his work here in the fall.



(Far Left) Ben Kachelman and his fiancée, Hope Hutton will marry on July 20th. (Left) Joe Deweese and his fiancée, Liz Azké will marry on May 31st. (Above) Dale Brooks and his fiancée, Christina Bonds will marry on June 8th.

AMERICAN ASSOCIATION OF CANCER RESEARCH MEETING

Bonita, Emily, and Jerry attended the International Conference on Molecular Targets and Cancer Therapeutics in October in Miami, FL. We took Emily on a very rough night sail from Coconut Grove to Bayside with my old sailing friend, Paul, and had her attend the eventual National Champion Miami Hurricanes football game in the Orange Bowl.

"I want my students to be well rounded in their academic and recreational endeavors."
— Dr. Jerry Thornthwaite



The AACR Conference was held in Miami, FL. (Above left) Paul's '52 sailboat docked at Bayside (Left) Emily at Coconut Grove Marina.

BRAZIL VISITS THE LAB

Dr. Deborah Vienquez, the director of the largest surgical pathology department in Sao Paulo, Brazil (population 18 million) came to be trained in the latest methods of DNA measurements in tumors. The surgical pathologist is interested in our techniques to map margins during cancer surgery.



Dr. Vienquez visited to learn the latest flow cytometry techniques

