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## Memorial to Wayne T. Jolly 1940-2008

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Wayne Travis Jolly passed away on February 9, 2008, in Niagara Falls, Canada, of complications arising from heart surgery and the renewed effects of pneumonia. A memorial was held on February 13 on the campus of Brock University with Wayne's family, the Brock community, and many of his former colleagues and students in attendance. With his death, the Caribbean community lost an enthusiastic and valuable member. Jolly was a prominent petrologist specializing in the petrogenesis of ancient island arc volcanic rocks, associated peridotite sources, and subducted sediments in the northeastern Antilles using major and trace elements and isotope geochemical methods.

As I have been associated with Wayne professionally for the last 20 years, I have been asked to write this memorial. As difficult as I find this, I am honored to write it and hope I do justice to his memory.

Wayne Jolly was born on August 15, 1940, in Jacksonville Texas, a small town in east Texas. He was the first of three brothers. Wayne attended school mainly in Jacksonville and graduated from high school in May of 1957. Wayne then matriculated to the University of Texas at Austin where he majored in Fine Arts (with emphasis in radio and television). He even worked temporarily as a disk jockey during part of the summer months in his hometown. He was initially uninterested in science and waited until his senior year to take a basic science course—Introductory Geology. Totally unexpected perhaps, he became intrigued with the topic and decided that geology was his calling. He completed the Bachelor of Fine Arts degree in 1963 and continued to take geology courses and other science courses with the intent of earning a Bachelor of Arts degree in geology. He completed those requirements and received the Bachelor of Arts degree in geology in 1965. He then continued with an Master of Arts degree in geology in 1966.

I first met Wayne Jolly in the fall of 1962 while he was still an undergraduate at the University of Texas at Austin. We met in one of the X-ray labs where he was working as a volunteer and I was a first-year postdoctoral fellow at the University of Texas making revisions to my Ph.D. dissertation at Rice University. In between experimental X-ray runs, we had numerous discussions about many things geological and specifically about Caribbean geology and research. Wayne was very excited about becoming a geologist. I lost track of Wayne for a short while after I had gone on to the University of Pittsburgh. But then learned that he had applied to the Ph.D. program at Rice to work with Thomas W. (Nick) Donnelly in the Caribbean. Nick, however, had just left Rice and accepted a faculty position at the State University of New York at Binghamton, and Wayne followed him there. For his Ph.D. dissertation that he completed in 1970, Wayne studied the potassic volcanic rocks of the Robles Formation in eastern Puerto Rico. Wayne and I kept in touch for a number of years because of similar interests as I had previously worked on a similar suite of potassic lavas of the Rio Orocovis Group (Puerto Rico).

Wayne Jolly worked briefly as a postdoctoral fellow at Binghamton and at the University of Saskatchewan at Saskatoon before accepting a tenure-stream faculty position in 1971 in the Department of Earth Sciences at Brock University, St. Catharines, Ontario, Canada. At Brock, he progressed from Assistant Professor (1971-1975), to Associate Professor (1975-1980), to Full Professor (1980-2008), serving also as departmental Chairman for 5 years. With regards to research, Wayne spent 20 or so years carrying out petrological and geochemical studies on the meta-volcanic rocks of the Canadian Shield before returning to the Caribbean.

Fast-forwarding to the late 1980s, I received one day somewhat serendipitously, I guess, a letter from Wayne

Jolly asking what I had been doing recently in the Caribbean and stating that he was thinking about resuming work in the Greater Antilles. Well, it was a pleasant coincidence indeed as I had also decided to become active again in the Caribbean. After a few letters and telephone conversations back and forth, we decided instead of competing with each other, to join forces and work together. We thus began a partnership that lasted until his untimely death. A list of Wayne's publications during this period is provided at the end of this memorial.

Wayne Jolly was totally committed to understanding the geology and geochemistry of Puerto Rico and the tectonic evolution of the northeastern Caribbean. He spent at least a month every year for twenty years studying and sampling the volcanogenic strata of the island. In the process, he amassed a reference collection of all of the pre-Oligocene units, which proved to be invaluable in evaluating the sequential development of the island's complex stratigraphy. This collection formed the main basis for the geochemical data, on which the various research papers were based. The data base consists of major and inductively coupled plasma (ICP) trace element analyses of over 800 samples and a total of about 400 individual Sr, Nd, and Pb isotope analyses.

Wayne Jolly was a remarkably productive scientist. Perhaps his greatest talent was his considerable ability to define a specific project quickly and clearly, carry out the research in a timely manner, and then promptly write up the results for publication. He would initially spend countless hours plotting and analyzing elemental and isotopic ratios of specific data sets. Once the evaluation was made, he would then proceed immediately to the writing process. Procrastination was not part of Wayne's vocabulary. He was an excellent but not always a careful writer. Consequently, numerous revisions of an original manuscript typically followed, commonly to the consternation of his co-authors.

In addition to his professional interests, Wayne was a collector of a variety of miscellanea, claiming that his interest in collecting was a genetic thing. He had a large and valuable collection of old Roman coins. He also collected first edition books that included the signature of the author. Among some of the notable signatures he obtained were Neil Armstrong, Henry Kissinger, James A. Baker, and President Ronald Reagan. Wayne had a prized but small collection of glass art. Another collection was an excellent set of books on ancient history. This included complete sets of Homer's *Iliad* and *Odyssey*. The one collection that was his passion for over 20 years was obtaining pristine license plates. His collection totaled about 10,000 plates with specialized interests in Texas, New York, Virginia, Ohio and a near complete collection from Puerto Rico.

Wayne, like most people, was also a complex individual. He readily shared unpublished information with anyone who expressed an interest in Caribbean geology, but would then complain if anyone "borrowed" one of his ideas. We regularly, almost daily, conversed in detail by telephone or e-mail on the geologic topic we were working on at a given time. However, he would also periodically disappear without a trace, only to reappear suddenly beaming with renewed enthusiasm. On the lighter side, Wayne, who was well compensated financially by Brock, at least with respect to university salaries in North America, led a rather frugal life style, except for his collections previously mentioned. He lived in a modest house in St. Catherines that was decorated uniquely with wall-to-wall license plates. One had to see it to believe it. His idea of a gourmet meal was a bowl of Tex-Mex chili and a Dr. Pepper. When in a restaurant in Puerto Rico, he almost invariably ordered a pork chuleta without even bothering to look at a menu. I shall never forget that at one of the geological meetings that we attended, Wayne joined my wife and me at lunch. When we had finished the meal, Wayne reached into a pocket of his one sport coat for his wallet to pay his share of the meal, but instead accidentally pulled out a cold pork chop!

Wayne Jolly was an exceptional and perceptive geologist who made significant contributions to the geology and geochemistry of the Greater Antilles. He will be sorely missed by his colleagues, friends, and by all of those who have a geological interest in the Caribbean region. Rest in peace, Wayne. Wayne Jolly was a confirmed bachelor. His two brothers, Michael and John, and their families survive him.

## ACKNOWLEDGMENTS

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## SELECTED PUBLICATIONS ON ANTILLES GEOCHEMISTRY AND RELATED TOPICS

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