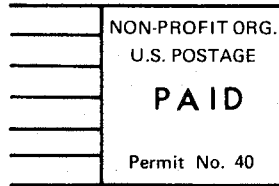


Brice Hall

The Shideler Shibboleth



Department of Geology
114 Shideler
Miami University
Oxford, Ohio 45056



ALUMNI BULLETIN
DEPARTMENT OF GEOLOGY



MIAMI UNIVERSITY

OXFORD, OHIO 45056

No. 48
1999

FROM THE EDITOR'S DESK
Cathy Edwards

I write this introduction now as a seasoned veteran of editing the Shibboleth for print. The department continues to experience change, yet run smoothly during the academic year.

The Department once again conducted a successful search for a new faculty member this spring. Our new hire is Brian Currie, who is coming to us from the University of Arizona. Brian will arrive in early January to begin teaching here after finishing a post-doc at the University of Chicago @ Illinois. You can read more about Brian later in the Shibboleth.

On a sadder note, many of you who know Dr. Wayne Martin may or may not have known his daughter, Linda. After a two year battle with cancer, Linda passed away in March. The department was very sad to hear this news as everyone was very fond of Linda. She was a delightful person who brightened everyone whose life she entered. We extend our deepest sympathy to Dr. Martin and his family.

Also on a sad note, is the one year departure of John Hughes as Chair of the Department. John accepted a one year position as Acting Associate Dean in the College of Arts and Science, which became effective on May 17. Dr. Mark Boardman will be the Acting Chair of the department for the next year. I have worked with John for over 7 years and will miss him greatly!

After getting married on December 5, 1998 and spending a glorious week in Florida, I continue life as if I'm still on my honeymoon. My sons continue to grow and are getting close to passing me up in height!

So, this year has again been a time of loss and new beginnings for the department. There is again a feeling of excitement over the pending arrival of a new faculty member and the pending Y2K problems that could present themselves with the new millenium.

Return to:

Geology Department
Miami University
114 Shideler Hall
Oxford, OH 45056

FROM THE DESK OF THE CHAIRS
John M. Hughes & Mark Boardman

Out with the old....

At this time last year I did not realize that this would be my last "Desk of the Chair" for a time, but indeed it is. There has been a lot of transition at Miami University, and I am involved in it. Dean Karl R. Mattox, who served the College of Arts & Science with particular distinction over nine years, entered Early Retirement this Spring, and there has been a trickle-down of replacements for him. John Skillings, Associate Dean of the College, will be serving as Acting Dean and I will replace John as Associate Dean. I will continue to teach, advise students, and do research in the department, but I log most of my office time in Upham Hall. I certainly miss the day-to-day interactions in the Department, but my appointment is only for one year, and I have warned people in the department not to get too comfortable in my chair...

Being in the Dean's Office has given me a new perspective on the department, however. I am even more proud of the accomplishments of the faculty, staff and students from this vantage point, and certainly the department is one of the most distinguished on campus. As alumni you should be particularly proud, and as you read the following pages you will see the innumerable things going on in the department. Please stop by whenever you are in the area so we can show them to you.

In with the new.....

For the past 7 years, with John as Chair, your good Geology Department has become better and better. More undergraduates take geology courses. We've expanded the hydrogeology and environmental geology programs. We've rededicated faculty effort and departmental funds to an expanded field program (during the summer and throughout the school year). We have expanded our instrumentation and technical capabilities and our students continue to experience independent research opportunities. I don't believe your department would have flourished like this by itself. Thank you, John Hughes, for seven years of exceptional mature leadership. I recognize and appreciate your contributions and talents – and apparently, so does the new Dean.

Change is good, I've been told. However, with the departmental productivity near or at an all-time high in so many categories, I experience a bit of anxiety about any change whatsoever. Hmmm. Why mess with success?

New faculty, new technical resources, and new needs by students and society are the ingredients for change. My goal for this year is to explore how some of these new strengths can be included in an already strong department.

ALUMNI COMINGS AND GOINGS
(fill in sheet, tear out and return to:)
Cathy Edwards
Department of Geology
Miami University
Oxford, OH 45056

NAME: _____
Last First Maiden/Middle Degree/Yr. Rcd.

NEW (since last report) Position, Address, Mate, Degree, Family Members?

OTHER NEWS (Please let us know what you have been doing):

Please return to us by April 30, 2000!!

In the area of teaching, faculty want to teach additional, new courses, and students want additional flexibility and opportunities in courses. We need to take advantage of the changing faculty strengths; while continuing to maintain a strong core geology program. In the area of research, our faculty is a young group of individuals who are partly driven by research goals. The blending of research and teaching is what makes your department strong. One of my challenges is to ensure that new research and teaching initiatives by faculty are nurtured, while also ensuring that the department maintains its obligations to the university community and to the core programs serving our undergraduate and graduate students.

John has left a great department to care for during his yearlong service as Associate Dean. New courses, new efforts in research by faculty, continued individual collaboration with students and numerous field and lab opportunities. Can it be done? Maybe not – but it's where we are constantly heading. The present success of your department is built on the strengths of past faculty, students, alumni and friends. The future of the department will be built on the strengths of present faculty, students, alumni and friends.

EMERITUS PROFESSORS ADDRESSES
--

Jim Bever
111 Peabody Road
Oxford, OH 45056

John Pope
203 Oakhill Drive
Oxford, OH 45056

Norman Grant
The Renaissance, #201
301 East Florida Avenue
Appleton, WI 54911

Roy Reinhart
841 S. Maple Avenue
Oxford, OH 45056

Mrs. Karl Limper (Louise)
134 Hilltop Road
Oxford, OH 45056

David Scotford
1029 Cedar Drive
Oxford, OH 45056

Wayne Martin
1110 S. Locust St.
Oxford, OH 45056

Perry Stewart
7041 Bent Tree Blvd., #717
Columbus, OH 43235

Robert McWilliams
477 White Oak Drive
Oxford, OH 45056

NEW FACULTY
Brian Currie

The department feels most fortunate to have been given the authorization to hire a new assistant professor this past academic year. This new hire will fill the vacancy left by Richard Becks's departure.

Brian Currie joins the Department in January as an Assistant Professor. Brian received his Ph.D. from the University of Arizona and went on to obtain a Post-Doctoral Scholar/Lecturer position at the University of Chicago @ Illinois. Brian's interests are focused on a variety of problems involving tectonics and sedimentation. His interests can be broken down into three categories: Evolution of foreland basins; nonmarine sequence stratigraphy and syndepositional deformation in contractional and extensional settings.

Brian holds memberships with the Geological Society of America, the American Association of Petroleum Geologists and the American Geophysical Union. We are looking forward to welcoming Brian to our faculty in January.

FACULTY AND STAFF NEWS

Dwight Baldwin - e-mail: dbaldwin@miavx1.muohio.edu

The Spring Semester of 1998 was perhaps one of the most enjoyable of my 31 years at Miami from the perspective of interacting with students. Mark Boardman and I joined forces to teach a class of 17 honors students about the geology of Ohio – yes, there is more variety than you would at first think. Not only did this bunch include some of Miami's brightest, but they were all taking the class because they had real interest in learning something about geology. The small class fostered much give and take between students and faculty and faculty and faculty which was great fun. But the best part of the class were the day-long and overnight field trips which were an integral part of the class and required of all. There is no better way to teach geology than in the field, and it is a great way to get to know your students better.

Following the end of the semester, Barbara and I sold our home in Oxford in which we have lived for 30+ years and moved our worldly possessions to our new home in Durham, New Hampshire. New England is a lovely place and we have really enjoyed our many trips to the mountains and to the nearby rugged coastline. There is just so very much variety in a rather limited area and the birding is fantastic. January 1, 1999 found us

LOST ALUMNI - continued

Sue Ann Marshall-Roberts '84	Lori Scruggs '84
Peter Mazzone '84	Tim Seidl '60
Richard McCartney '87	Julie Bates Seta '81
Denis Meanor '76	Eric Showalter '88
John Metzger '42	Scott Sinex '75
David C. Meyers '77	Kimberly J. Sizelove '84
Bruce E. Miller '69	John Skvarla '58
Mark Miller '83	Jack Slayton '51
Karen L. Mohr '88	Edgar Smith '71
Phillip Molling '79	Ronald Smith
Austin F. Moore '79	William F. Smith '55
Julie Gordon Moore '83	Walter Sonnichesen '40
Douglas Morell '73 & '78	Stephen D. Sommer '78
Laura Lynn Morris '91	John Spangler '51
Robert Morris '49	Douglas Stewart '53
Catharine Graves Norman '73	Betty Swartz '82
William B. North '62	Victor Toeppe '52
Matthew T. Obloy '90	Susan Toomey
Debora Suzanne O'Brien '89	David Towell, III '84
David Olson '82	Frank Turner '48
Robert Overhuls '48	R. Michael Tyson '79
Gerald Peterson '51	Richard Tyszka
Cyrus Porter '38	Kimberly Vedder '92
Jeffrey Porter '79	Douglas Wagner
Michael D. Proffitt, Jr. '87	Valeria Walker '74
Mary Rahn '74	Jeffrey S. Walter '81
Jerry Randolph '64	Robert A. Warner '54
Jeff Ratliff '83	Peter Weiler '82
Jacob Reitenbach '72	Charlene K. White '88
Mike & Lise Rendina '84 & '85	William R. Williams '54
Lora Roberts '81	Josephine Wolter '48
Harold Rowe '93	Bruce Winningham '88
Constance Sasala '84 & '87	Kenneth Yeso '77
John F. Saylor '84	James Young '59
Peter B. Schmidt '55	Hubao Zhang '92

Please **do not forget to send us your new address** when you move. We want to keep in touch with you!

This book was printed on recycled stock

LOST ALUMNI

Cathy has again found an extensive list of missing alumni. If anyone has information regarding a person(s) on this list, please let us know so that we can update our files and assure that these people continue to receive Departmental news.

Michael Adkins '76	Forrest Frazier '57
Wendy Ahlschlager '73	Jack Garbutt '36
Theodore J. Armbrustmacher '63	Judy Blakemore Gospodarec '83
Namik Atalan '70	Mary Graham '38
Randy Balogh '76	Allan J. Grant '75
Lina Balsiero '54	Marshall Griggs '75
Kristine Hehmann Barr '81	Wilbert Grove '28 & '35
Francisco Barrientos '57	Larry Grubbs '61 & '64
Joseph H. Beckerman '82	Joel K. Gruelle '78
Sheldon Bergman '51	Ronald Grygo '62
Elizabeth Keller Bishop '84	Williams Harris, III '79
Robert Bluhm '57	Donald R. Hassell '72
Katherine Boulger '75	George Henry, Jr. '67
David Bratton '83	Jill Hipplesley '84
Mark Brockmann '85	Paul Hollcroft '52
Eric R. Brown '87	Lillie Dunn Holton '79
Todd C. Brown '84	Ronald Hood '69
Robert Cahoon '83	James R. Hooper '82
Thomas Camp '68	Don W. Hughes '51
C. Merlin Campbell '44	Randy L. Hyde '81
Stephen Carlin '94	William Jacob '83
Robert Carlson '54	Donald Jessiman '44
Thomas Coyner '68	Robert E. Jones '38
Robert Cunningham '43	Wynn Kearns '86
Lewis Davison '52	William A. Kish, Jr. '54
Mark Kochan '77	Thomas Kridler '82
M. Richard Devita '76	Robert Kuryvial '69
T. Michael Dodge '75	Michael Leone '94
Thomas Donn '86	Christl Marie Leutz '86
James Eads '75	John T. Lillie '72
K. Eugene Earhart '55	Carl Lind '57
Lawrence Edwards '40	Jacquelynn Fritz Loomis '79
James Feiler '81	Arnold Lovern '52
R. Stephen Fisher '68 & '75	David Maceachran '83
Mary Beth Fielman '86	David MacNaughton '83
Chris Flanders '84	Michael Marzano '81

packed up and off to a rented apartment in Oxford where we have spent the Spring Semester of 1999. But I shall report more about that in the 1999 issue of the Shibboleth.

So early retirement has been a wonderful way to edge slowly into full retirement – one semester on and one semester off is a pretty good life!

Mark Boardman - e-mail: boardmmr@muohio.edu

I've been at Miami for 18 years, and I guess my departmental honeymoon period is over. John has left his post as Chair for a year, and I've been selected to be Acting Chair during his absence. The faculty I've turned to for advice have all retired. Now, the younger faculty sometimes ask me for advice. Does this mean I'm growing up? I hope not! Where's my pixie dust?

Professionally, last year was a high point in teaching. I was teaching courses I really enjoyed at a level I felt most comfortable with. I was bouncing from student to student; class to class and getting a great deal of satisfaction from these efforts. About 1/3 of the slides I use in teaching (i.e. ~1000 of the 3000 I typically use) have been scanned to digital format, and I think I'm getting prepared for the next half of my teaching career.

My research productivity included several students and preparation for a new direction. I'm outfitting the departmental drilling rig with a 2" double barrel wireline coring system. Next year I plan to drive it to Florida, load it on a boat, and do some SERIOUS coring on Andros Island, Bahamas. Well, that's the idea at least. I'm working with 3 graduate students and several undergraduates on research projects. Chris Schneider finished his M.S. describing the lithology and diagenesis of a core on San Salvador, and Derek Dice has one final draft to complete his M.S. on geochemistry of the Andros aquifer. My efforts to bring students into the field reached a new high this year. Four workshops in the Bahamas included 72 students this summer. It will probably never be this high again, but it's a big increase from the 12-18 I had in the early 1980s.

Personally, I know I'm getting old (that's different from growing up) because I now need reading glasses, and both of my children are taller than me!! Jessica is now 14 (or is it 19, I get confused). She has friends – lots of friends. A telephone seems to have grown on the side of her head. She's interested in powerful bass vibes, cars, and oh yeah, did I mention boys? Jeremy is 16 and spent last school year (10 months) in Japan. I spent 10 great days in Japan with him. Jeremy will return to Blair Academy in New Jersey this fall, and he's already planning college trips! They both occasionally let me think I'm in charge.

So it's been a growth/change year for me. I'll spend this year as Acting Chair and then pick up where I left off. I'm going to find that pixie dust – as soon as I put on my reading glasses.

Yildirim Dilek - e-mail: dileky@muohio.edu

This academic year was an exciting one full of research and teaching activities and traveling. I convened with three other colleagues, A Geological Society of America Penrose Conference on "Ophiolites and Oceanic Crust: New Perspectives from Field Studies and Ocean Drilling Program" in northern California in September. This was the 25th anniversary of the first Penrose field conference and brought together nearly 90 international scientists to discuss the current information and technology on studying ocean floor, oceanic lithosphere, and onland remnants of oceanic crust (called ophiolites). We redefined "ophiolites" in the end of this meeting and had insightful panel discussions on the status of future research. Overall it was an exciting, rejuvenating, and most successful conference. I am now in the midst of editing the Proceedings Volume. Look out for a GSA Memoir "Ophiolites and Ocean Crust" next year!

I attended two important meetings last year to give invited talks. I went to Nicosia-Cyprus to give a talk on the Cenozoic tectonics of the eastern Mediterranean region at an international conference in October. In early June, I went to UC-Berkeley for the Centennial Conference of the GSA Cordilleran Section to present a talk on the Mesozoic tectonic evolution of the western North American Cordillera. Both meetings were very lively with great discussions, informative field trips, and great food.

I continued working on ophiolites in Norway, Turkey and Albania this past year. My trip to Albania (long before the war broke out!) was very interesting. What a place with wonderful people, superb geology, fascinating landscape, and strained economy! I felt like being in a time warp for a while. Hopefully, this project will continue this year, now that peace seems to be returning to the area (let's hope that is the case for the sake of all those ethnic Albanians, Kosovars and Serbs). We are making great progress on the projects investigating the metamorphic core complexes, sedimentary basins, collision zones and the Dead Sea Fault Zone in the eastern Mediterranean region. More on these projects later!

All three of my graduate students, Guoxiang Lin, Ann Thomas and Craig Thomas, are making progress on their thesis work. We expect them to be done with their theses and to graduate by the end of the upcoming Fall term. Then we will have another great excuse to have a party.

This year I participated in the Alumni Teaching Scholars Program run by Miami University and focused on redesigning my introductory geol-

**CONTRIBUTIONS BY ALUMNI AND FRIENDS
TO THE GEOLOGY DEPARTMENT
(June 1, 1998 through May 31, 1999)**

This list is presented alphabetically, with sincere thanks to all of you!

Dr. & Mrs. A. Dwight Baldwin, Jr.	Jeanne Cooper Nesbit
Daniel Barnett	Antone Pathe
Mr. & Mrs. Robert Behling	Brian Payne
Christopher Betz	Edward Roberts
Mr. & Mrs. William & Julia Bishop	Otto Sardi
Mark Dayton	Mery Sargent
David Eyler	Nicholas Schneider
William Fausey	Carol Scholl
Jane Curtis Granger	David Schuster
Margaret Guccione	Peter Selover
Greg & Carol Hatch	John Slack
John M. Hughes	Thomas Stephenson
Karen Johnson	Craig & Bev Stichtenoth
Martin Kelsey, Jr.	Robert Storch
Bob Lepak	Richard & Carol Strimple
Louise Limper	Charles Soule
Mr. & Mrs. Delbert Lutz	Thomas & Carol Swinehart
Dr. & Mrs. Wayne Martin	Richard Vian
Dr. & Mrs. Robert McWilliams	William West
Dr. Taki Negas	Timothy Whipple
	Mr. & Mrs. James White

IN MEMORIAM

Since the publication of last year's edition of the Shideler Shibboleth, we have received notice of the death of the following alumna, friends and faculty of the Department:

Richard Mattox (B.A. '48, M.S. '49) – Richard passed away on Sunday, November 29, 1998 in Carillon Medical Center in Texas. Richard was born May 15, 1921 in Middletown, Ohio. He was a pilot with the U.S. Army Air Corps during W.W. II. He married Jeanne Wagner who preceded him in death in 1981. Richard taught geosciences at Texas Tech, retiring in 1989.

Survivors include a son; Richard L. of Albuquerque, N.M.; a daughter Jane W. Barton of Denver, CO.; and a sister Marabeth Rolfert of Cincinnati, OH.

ogy courses to make them more interactive and contemporary. It was a wonderful experience to work closely with colleagues from other departments to exchange learned information and ideas about our teaching styles, philosophy and goals throughout the year. The culmination of the program was a group attendance at the 11th Annual Lilly Conference on College and University teaching in Lake Arrowhead (California) in March. I would like to extend my gratitude and thanks to all alumna/e who sponsor and support this particular program at Miami University; it was one of the most rewarding experiences I have had in my teaching career.

I am looking forward to this summer to relax a little and to enjoy life in general. We are planning on a family trip to Lake Tahoe to enjoy the Sierra Nevada Mountains and the Tahoe beach. We have much to explore here in the Miami Valley as well. Then, I will be off to Norway in August to do some field work in the fjords. Best wishes to all for a wonderful summer and autumn!

Bill Hart - e-mail: wkhart@miavx1.muohio.edu

Wow, another year gone by already! I must confess that the past year or so has been a blur – relocating back and forth to Arlington, VA, and Judi now permanently employed in Idaho. I returned from my stint as a Program Director at the National Science Foundation just in time for the beginning of classes in January. Along with trying to get back into the swing of “normal” academic life, I returned to the new adventure of taking over as Director of the Miami University Field Station. Between teaching, field camp preparation, and trying to revive research after a year away, the spring semester really flew by.

My students survived the year that I was gone – in fact two finished up M.S. theses; Tonja Larson (Ethiopian tephra) and Darin Snyder (Alaskan granitoids). Tonja moved on to the oil patch, while Darin is continuing on for a Ph.D. here at Miami under the joint supervision of Liz Widom and me. My two other current students, Matt Brueseke (M.S.) and Kurt Shoemaker (Ph.D.) are continuing to unravel the petrologic complexities of north-western US basaltic volcanism. Both presented papers at the GSA Cordilleran Section Meeting held in Pocatello, ID, in a special session on the Snake River Plain and adjacent areas. I also presented a paper at this meeting but it had nothing to do with basalt petrology! As part of ongoing collaborative work between my research group, the National Park Service, and the Berkeley Geochronology Center, we presented a major revision to the existing chronostratigraphy of the Glenss Ferry Formation in Hagerman Fossil Beds National Monument (central to western Snake River Plain) – a formation rich in vertebrate fossils. Along a similar line, back-to-back papers in the April 23, 1999 issue of Science highlighted an important new contribution to the hominid family tree – *Australopithecus garhi*.

My main contribution to this multidisciplinary research is on work on the stratigraphy and geochemistry of volcanic horizons interbedded with the fossiliferous sediments. An additional paper dealing with these issues is due out in the June issue of the Geological Society of America Bulletin, and a number of other papers dealing with aspects of my and my student's western US and Ethiopian research are currently in press.

At this writing I am t-minus 2 hours from departing for Dubois, Wyoming. After the five-week field course ends in early July, I will be heading on to Hagerman to continue field studies, and hopefully down to the Owyhee wilderness in northern Nevada. Stay tuned next year for new insights after my first year running the field camp!

John Hughes – e-mail: hughesjm@muohio.edu

It has been a productive year. I continue to undertake mineralogical research with undergraduate and graduate students. Articles have appeared or will appear in *Acta Crystallographica*, *Canadian Mineralogist*, and *American Mineralogist* (x2). I have been very fortunate to maintain funding from the National Science Foundation, obtaining a new grant, and I have two very productive graduate students, Erich Bloodaxe and Jeff Foley. Jeff and I presented the results of his optimization work at the International Mineralogical Association meeting in Toronto last summer, and it was very well received. Erich is just finishing up, and will graduate this May. In addition, this past year I really enjoyed working with an undergraduate student, Seth Horstmeyer. Seth, a sophomore, presented another paper at the National Conference for Undergraduate Research, and did an outstanding job. Finally, I continue as Associate Editor of *Canadian Mineralogist*.

It is also a time of personal transitions. This coming year I will be serving as Interim Associate Dean in the College of Arts and Science. Due to the retirement of Dean Karl Mattox, there are several vacancies within the College administration, and I am pleased to be able to step in. I will miss the daily interaction in a department of which I am very proud, but I will continue to teach and advise. The appointment ends June 30, 2000, at which time I am scheduled to return as Chair.

Personally it has been a fun year. Gareth continues at Skidmore, and is now completing his sophomore year. He loves the East coast, and effectively has "left the nest", except, of course, when tuition is due. Rebecca continues her skating and many other accomplishments. She will be entering her Senior year in High School, and we took the first college tour this summer. Rebecca was named to the National Honor Society this past year and continues to make us proud. Susan continues at Butler Univer-

Thomas, Hugo (M.S. '59) – Hugo is retired from the Connecticut Department of Environmental Protection in 1994 as their Bureau Chief of Environmental Services. Currently, he is the part-time Director of the Connecticut Institute of Water Resources at the University of Connecticut. Hugo and his wife Phyllis enjoy the Univ. of Connecticut's men's and women's basketball as well as their three granddaughters, ages 6 months, 2 & 4. Phyllis works at the Univ. of Connecticut's Research Foundation. Hugo reports that he and Phyllis will probably fully retire in 2 to 3 years and live part of the year in their second home in Las Cruces, NM.

VanHorn, Erica (B.A. '96) – Erica works at BHE, Inc. as a clerical support/junior geologist. She reflects on her time here in the Geology Department fondly, stating that she would like to give an extended thanks to Dr. Hughes. Dr. Hughes was the first person Erica spoke with before changing her major and he had no idea how much the statement, "I hope we realize the profound impact we are having on students" would impact Erica and her time in the Geology Department. Erica says because the geology faculty cared about the students and wanted to talk to them, it made a tremendous impact on her.

Wissinger, Kathleen (B.A. '78) – Kathleen continues to direct and compose for handbells, teaching piano to 20 students and teaching 5-6 Elder Hostels a year covering the geology of the Blue Ridge Mountains. Kathleen and her group spend the last day of their trip in Shenandoah National Park, where she was a ranger for 10 years, hiking and exploring. Kathleen's husband Skip is a criminal investigator at SNP and son Noah, 14, is in varsity soccer and working on becoming an Eagle Scout.

ture. Unable to escape the wrath of the British, Brian is now working for British-Borneo Exploration, an independent oil & gas company in Houston. As a geoscientist surrounded by computers, Brian is working hard to unite the world of information technology with the science of petroleum exploration. In his spare time, you can find Brian at his second home, near the bullpen in the Astrodome.

Rothman, Ed (M.S. '78) – Ed has been busy drilling deep wells in New York. The target is the dolomitized Black River Formation. Ed's wife, Jane, teaches preschool and keeps the family in line. Ed & Jane's oldest daughter Amy is at Miami (class of 2001), majoring in microbiology and Sara is a junior in high school.

Rotondi, Paul (M.S. '86) – Paul reports that his stepson, Jerome, will be finishing up his degree at Miami University with an emphasis in International Business. Jerome has also assisted in the running of the Geology computer lab for the past two years. Paul also reports that his two dogs, Meg and Alexi are doing fine.

Shafer, Roger (B.A. '57) – Roger retired as Executive Director of Zawawi Trading Company in Sultanate of Oman after 21 years. He will be settling back into his home in Virginia after a 21 year absence. Let us know how that goes Roger!

Smith, James (M.S. '49) – Jim continues to manage his farms and does some writing. During 1998, Jim was asked to give a talk at Miami entitled, "Storyteller for the Tribe", about Miami in the time right after W.W. II. Jim presented a paper in late November to the Indiana Academy of Science on the same subject. He also conducted a fieldtrip of his farms for the German Department for Austrian Agricultural students.

Snyder, Fran Herlihy (B.A. '93) – Fran was married on December 27, 1997 to a fellow geologist, Jeff Snyder, whom she met in grad school at OSU. She works at Battelle Memorial Institute (Environmental Restoration Department) and was promoted to research scientist last year implementing bioremediation technologies to contaminated soils and groundwater. Some of the locations Fran's work takes her to are Army, Navy and Air Force bases around the country. Fran's email address is: snyderf@battelle.org

Stichtenoth, Craig (A.B. '75) – Craig is still employed with Texaco in New Orleans and will be moving to Texaco's International Exploration Group in Houston. Craig's oldest child graduates from high school in May and will be attending Ohio University's Scripps School of Journalism.

sity, and is now Area Coordinator of Accounting, akin to our Chair. It all keeps us busy but we would not have it any other way.

Jonathan Levy - e-mail: levyj@muohio.edu

In the last year, two of my students, Eric Ludy and AJ Rossman, returned from beyond to defend their masters theses. Eric wrapped up his thesis, and although AJ still has a few revisions to go, it is not too early to say congratulations to both of them.

Eric modeled groundwater flow and delineated protection areas for two of Oxford's municipal wells. He and I worked on quantification of the uncertainty associated with those predictions. Our work has been provisionally accepted for publication in Ground Water.

Studying microbial transport through groundwater systems is still my main research pursuit. Starting in September 1997, our work investigating the bacterial transport in the Four Mile Creek valley aquifer was funded by the USGS with money funneled through the Ohio Water Resources Center. AJ performed column studies looking at the influence of naturally-occurring microbial community on nasty pathogenic invaders. AJ made a lot of progress, but the question he addressed turned out to be a difficult one. My Ph.D. student, Kerang Sun, continues that work and, in addition, is trying to quantify the effects of many other aquifer characteristics on microbial transport. He is developing experimental methods using a few different-sized columns and sediment from different locations.

Amy Lustig has made great progress this past year, conducting field experiments ultimately meant to show us how well our laboratory results extrapolate to the complex real world. She has established a field site next to Oxford's water treatment plant, where she has taken many borings and installed more than 20 monitoring points. She has measured hydraulic conductivity in a variety of ways and is getting ready to conduct tracer experiments later this summer.

I am pleased to report that as of early 1999, we received new funding from the Ohio Water Development Authority with money funneled through USGS and the City of Cincinnati Water Works to expand our work to the Miami River aquifer. My newest graduate student, Ben Mignery, will be in charge of collecting field data for that project. A series of monitoring wells has already been installed between Cincinnati municipal pumps and the Great Miami River. Ben will monitor water quality in those wells, and tell us about the rates and timing of induced infiltration and the movement of potential contaminants from the river to the wells.

In Fall 1998, I received an Assigned Research Appointment (ARA). The ARA was a break from teaching and allowed me to focus on research and write some articles. While I missed teaching, it was a productive semester. In Spring 1999, I was back to teaching Environmental Geology and Introduction to Hydrogeology. The highlight of Intro to Hydrogeology, once again, was a great trip to the Mammoth Cave area. What a difference from the flooded conditions we saw last year! We were able to visit sites that were completely underwater last time. Like last year, Dr. Nick Crawford from University of Western Kentucky gave the class a lecture and a tour of Bowling Green's karst environmental troubles. I think it is especially valuable for the students to meet someone like Dr. Crawford, who uses his geological skills for societal benefit by saving Bowling Green from environmental catastrophe on a regular basis. This year's field trip culminated with the "Making of Mammoth" tour which includes hiking underground to view the water table. What more can a hydrogeology class hope for?

The trip to Mammoth Cave was so much fun that, once classes were over, I went back with Carole and Devra. Devra did much of the cave tour in my/her backpack and fell asleep within five minutes of being in the cave. (Well, it is pleasantly cool and dark down there.) She had a grand time walking around once she woke up and, being 2.3 years old, had no trouble getting through "Fat Man's Misery" or "Tall Man's Agony". I am also pleased to report that being six months pregnant presented no navigation problems for Carole either. Carole, Devra and I are patiently awaiting our latest family addition in August. Based on our camping experience this month, however, it looks like we might need a bigger tent.

To see more of what I've been up to check out my web site at <http://www.muohio.edu/~levyj>.

Larry Mayer – e-mail: mayerl@muohio.edu

This year I "launched" the Plate Boundaries Workshop Series, a set of intensive field workshops designed to give students experience in the complexity and importance of plate boundaries. This year, Plate Boundary Workshops consisted of trips to Turkey and Baja, Mexico. Students visited the Dead Sea Fault in Antakya, Turkey, the boundary between the Arabian and African plates, the triple junction at Maras, Turkey, the intersection of the Eurasian, African and Arabian plates. We also toured the epicentral zone of the Adana earthquake and examined the regional geomorphology of south-central Turkey. Students also had the opportunity to study and map along the oblique-rift-transform margin of eastern Baja California. We studied the Quaternary stratigraphy, mapped a young fault, dug

Livermore National Labs. Doug recently ran into another Miami graduate, Greg Hinterlong, at Texaco's Midland, Texas office.

Martin, Linda Hudson (A.B. '75) – Linda has been a stay-at-home mom since her 13 yr. old was born. She and her husband own their own stainless steel process piping design, installation and fabrication company that keeps them very busy. Linda still enjoys running the local school district's annual science fair with 75-80 judges, dinner and awards. Linda also volunteers at both of her kids schools and does some substitute teaching. Whew! What a busy lady you are!

Maynard, Jim (A.B. '52) – Jim retired from A.K. Steel and living on 80 acres fifteen minutes from Oxford. Billie and Jim have a retreat center and run summer youth camps which keeps them pretty busy. Jim's oldest son Steve (M.U. '79) is commanding officer of USS Klakring, a guided missile frigate now attached to the Enterprise battle group.

Mennecke, Brian (M.A. '88) – Brian is an assistant professor in Management Information Systems in the School of Business at East Carolina University. He received his Ph.D. in MIS from Indiana University in 1993. Brian states, "As a professor of business, one might guess that I have not been too active in geology and the physical sciences. However, I have been very active in the area of GIS in business". In addition to teaching and research in this area, Brian just stepped down from the position of President of the GeoBusiness Assoc., a GIS professional association.

Mugrage, Eugene (56/57) – Eugene was a science and earth science teacher for 30 years in Cincinnati until his retirement in 1990. He has enjoyed a great trip to Alaska including a 9-day roundtrip to Dutch Harbor out the Aleutians, complete with a 17 hour storm at sea!

Netzler, Bruce (B.A. '77) – Bruce is the Section Chief-Wellhead Section of the Missouri Department of Natural Resources. Bruce's job is as a regulator of the well drillers and pump installers. Bruce says, "I keep telling them I am from the government, I am here to help", but they don't believe him. He gets called a lot of things but his favorite one is the time a guy called him "an educated half-wit". Bruce says as least he was partially correct.

Payne, Brian (A.B. '95) – After working for three years as a geoscience analyst with Amoco Exploration and Production in Houston, Brian left the organization in August having recently received his MBA in Management and Internal Business. Coincidentally (or maybe not), British Petroleum announced their acquisition of Amoco one week after his depart-

in the Brookfield Mine, Trumbull County, Ohio at the 107th Annual Meeting of the Ohio Academy of Science meeting at Miami University, Middletown.

Hill, Cleo (B.A. '56) – Cleo and his wife Eleanor have three children Brad, Mike & Hollis. Eleanor has a master's in educational counseling. Cleo has CLU, ChFC and LUTC degrees in insurance. Cleo has decided to retire and see if he can recapture the lower handicap he once carried in golf. Cleo is retired from New York Life Insurance Company and the military. He hopes to stop in Oxford some day soon.

Johnson, Kathleen (A.B. '82) – Kathleen is pleased to announce her marriage, on December 11, 1998, to Donald Richard Stark. Congratulations to you both!

Krivanek, Kenneth (M.S. '76) – Ken has been working on the Environmental Impact Statement for disposition of high-level waste at the Idaho National Engineering and Environmental Laboratory. This EIS will outline the final disposal of all INEEL HLW to either the Waste Isolation Pilot Plant in New Mexico or Yucca MT. in Nevada.

LaMoreaux, Philip ('38-'40) – Philip is Editor-in-Chief of the Journal of Environmental Geology, Chairman of the Environmental Geosciences Advisory Committee of the American Geological Institute and a member of the American Geological Institution Foundation. He recently took a trip around the world to visit former students in Thailand and attend a meeting of the International Association of Hydrogeologists, Commission on Mineral and Thermal Waters in Australia.

Lodge, Scott (B.A. '89) – Scott reports that his wife Melisaa just completed her masters in education and is an elementary school teacher in the Toledo Public Schools. Their son Cameron turned three this year and never leaves them with a dull moment! Scott is settling into the Buckeye State and adjusting to telecommuting. Scott says there is nothing like rolling out of bed and walking into your office to start work and that it surely beats that Philadelphia morning traffic commute. Scott also says, "Understanding the geological processes for the flat land surrounding Lake Erie does not relieve the desire for a more varied topography. However, the blown up photograph hanging in my office of myself and co-geology grads Andy Truax and Jim Andersen on their almost-successful attempt to climb Ramshorn Peak in Wyoming helps to relieve the flat-land jitters. Hey Jim and Axe, what are you guys up to anyway?"

Lorenz, Douglas (M.S. '71) – Doug continues to work at Texaco Exploration & Production Technology in Houston. He reports that due to downsizing at Texaco, there may be a new career in his future at Lawrence

a trench, and kayaked around a Miocene volcanic center. The Baja workshop was voted as the "Best Field Trip" by MUGS.

This year I also established the FaST program, learning fundamentals through the application of space technology. FaST is an exciting program for K-12 teachers which provides hardware, software and data for teachers and students to use. FaST also links high school, middle school, and primary school teachers into work groups that information at www.learnfast.org. FaST is supported this year by a grant from the National Mapping Division at the Eros Data Center.

OhioView and the launch of the Landsat 7 on April 15 means that a great deal of work by a team of Miami faculty and staff, lead by Richard Beck and myself from Geology, will result in affordable medium resolution data for research and education.

Students from geomorphology class presented their class related research projects on the use of remote sensing to quantify and model lake level changes in Great Salt Lake, Utah, at the National Geological Society of America meetings. I introduced a set of labs using Imagine, an industry standard program for image processing and GIS. I am currently incorporating another remote sensing program, ENVI, into the second edition of Geomorphology. Graduate advisees, Genaro Martinez, Lisel Shoffner, Seth Tanner and Naseer Shafique, are making steady progress in their respective areas. All of them have proposed their thesis topics as of May, 1999.

At a small conference held in Death Valley where active researchers discussed their latest results, I presented an important model which links longterm climate proxy data to weather patterns. The meeting was electrifying, the field trip awesome, and I got to see the results of Paula Messina and Phil Stoffer's (M.U.) GPS study of racetrack playa.

NSF funded research in Baja resulted in interesting data which addressed the question: how quickly does the strain at a rifted margin becomes partitioned? That work was published this year in Geomorphology by myself and Dr. Vincent. You have to read it for the answer. New projects with Turkish colleagues in south-central Turkey are progressing rapidly, and we hope to have some preliminary data on the paleoseismology and geomorphic evolution of the region next year. Work with Italian colleagues to study the Quaternary uplift history of the Apennines is moving forward and will focus on the east-central part of the range first.

John Rakovan – e-mail: rakovajf@miamiu.muohio.edu

I just finished my first full academic year here at Miami and it has been a very good one. My labs are set up, and numerous students (Stephanie Bosze, Steve Adams, Seth Horstmeyer and Kasey McCall) and I are hard at work conducting experiments for projects related to understanding the heterogeneous oxidation and precipitation of aqueous Mn on goethite surfaces in soils; the role of crystal surface structure on trace element incorporation during fluorite growth in hydrothermal systems; crystal chemistry of the lanthanides and actinides in apatite, and growth mechanisms in metamorphic graphites. I was fortunate to receive my first NSF grant this year, it will fund our research on the growth and trace element partitioning in fluorite. As part of this project Stephanie Bosze, a graduate student in geology, has developed a field component which will take us to the Mines of Bingham, NM for a month this summer. In conjunction with this field project we will also be running a workshop on the geology and hydrothermal mineralization of the Rio Grande Rift. It should be a great summer. Art Losze will be joining our research group in the Fall and plans to work on the structure of radionuclides in apatite.



John, Matt, Steve, Kasey, Carrie, Eric, Karrie-Ann & Dan around the Hope Diamond during the departments end of the year field trip to the new Mineralogy and Geology Halls of the Smithsonian

Development of courses is going well and this last year I taught Introductory Geology, Chemistry of Earth Systems (team taught with Bill Hart), Mineral-Water Interface Geochemistry, and a workshop on Scanning Probe Microscopy. The latter course was designed to train students on our new Atomic Force and Scanning Tunneling Microscopes.

Caswell, Scott (B.A. '94, M.A. '95) – Scott married Julie Waldron in July of 1997 and moved to Shreveport, LA. Scott works at Marlin Exploration, Inc. as a staff geologist and has been busy scouring east Texas, Louisiana and Mississippi for oil and gas prospects. Julie is the head of Health & Wellness promotions at Schumpert Christus Health System.

Davies, Rhys (A.B. '56 & M.S. '58) – Rhys has been retired from Shell for several years and his wife Pepper retired 2 years ago from the Orleans Public School System. Pepper taught earth science to academically gifted students for 11 years and last year was state coordinator for “building a present for science” which is a program by National Science Teachers Association to put new science standards in each school in the state.

DeMonge, Jennifer (B.A. '93) – Jennifer recently received her Master of Science in Geology from the University of Montana and now resides in Colorado Springs, Colorado.

Frey, Robert C. (M.S. '76, Ph.D. '83) – Robert has had several papers published in the past few years. Some of the publications include Paleontological Event Beds, Columbia Univ. Press; Corelation Chart & Biostratigraphy of Sluvian Rocks of Canada, IUGS; and Bivalves: an Eon of Evolution, Univ. Calgary Press. Robert is still a geologist with the Ohio Department of Health in Columbus assessing public health risks from hazardous waste sites in Ohio. He is serving as “river monitor” for a stretch of the Olentangy River in NW Columbus. Robert’s wife, Cathy, is now a supervisor with Huntington Mortgage Company; daughter Carrie is a junior in high school and their son Chet is a 7th grader.

Hammer, Matt (B.A. '96) – Matt graduated in the fall of 1998 with an MS in Geological Sciences from Ohio State. Matt’s thesis dealt with the hydrogeology of the remediation of acidic mine drainage from an underground, abandoned coal mine near Coshocton, Ohio. After defending on November 23, editing and turning in the beast by November 25, eating lots of turkey on November 26 and moving to Chicago on November 27, Matt started work with Teng and Associates on Michigan Avenue on November 30 (he thinks he may have slept in December). At Teng, Matt designed storm drainage for civil projects. Despite the 36th floor view of Lake Michigan and Navy Pier, Matt decided that he wanted to give the geology thing a chance, so he got a job as a geologist back in Cincinnati with Dames in Moore in May of 1999.

Harris, Ann Graetsch (M.S. '58) – Ann went to Hawaii for a Chautauqua short course entitled “Hawaii Volcanoes from Mauna Kea to Loihi” in July of 1998. Ann also gave a paper entitled, “Coal Mine Disasters

NEWS FROM ALUMNI AND FRIENDS

As was the case in last year's edition, the return card which you are asked to fill in and return to the Department, is now printed on the last page of the Shibboleth. **Please tear this page out, fill in your "coming and goings" and put it in the mail. Your editor asks that you do it now while it is still on your mind.**

Bamberger, Mark (Ph.D. '95) – Mark received his Ph.D. in late 1995 from the Union Institute. Since 1998 he has been the Assistant Program Manager/Head Hydrogeologist of the Miami Conserancy District in Dayton, Ohio. Mark is also an adjunct professor at the Miami University Middletown campus, the Union Institute and Wright State University. He and his wife have three daughters; Morgan (6 yrs.) and twins Lyndsay and Kendal (3 yrs.). Whew! Sounds like you are very busy Mark!

Banasik, Jason (B.A. '97) – Jason is currently a processing geophysicist at LCT, Inc. in Houston, Texas. Jason reports that all the schooling at Miami (5 years) paid off. He married a wonderful woman on July 11, 1998, bought a home in September of 1998 and is looking forward to starting a family in the next year.

Bersticker, Al (B.A. '56, M.S. '58) – Al retired from Ferro Corporation as chairman and CEO on April 23 of this year. He is now residing in Wyoming. Al enjoys hunting, fishing and playing golf and keeping active on various boards for Key Corporation, Bush Wellman, Oglebey Norton and of course Ferro Corporation. Enjoy retirement Al!

Bloom, Arthur (B.A. '50) – Arthur retired in 1996 as professor emeritus of Geological Sciences at Cornell University. Arthur visited the department in August 1998 while his wife was training and directing an alumna chorus for the rededication of Kumler Chapel on Western Campus. Arthur says, "Joe and I had fun trying to identify the grad students of 1948 to 1950".

Brace, Benjamin (M.S. '68) – Ben reports that everyone is cool, all the kids are married off and the larger family has its first great grandchild. Ben is still teaching CQI, Personal Development courses at the Ohio State University and is involved in many community-based initiatives. He is the President of Northside Development Corp., University Area Commission, et al. He still shows the 1968 Dan Gurney Mercury Cougar purchased while at Miami at car shows in Ohio. Ben's wife Judy is still teaching pre-school. Ben's email address is Brace.1@osu.edu.

I have continued my active participation in the Mineralogical Society of America by serving on several committees and this Spring I was honored with the appointment to associate editor of the American Mineralogist.

My wife Monica spent most of this year commuting from our bedroom to the office above the garage where she has been running the Oxford office of the Texas A&M Center for Applied Technology. However, in April she decided that this was wearing out to many pairs of slippers and she took a job as senior hydrogeologist with the Cincinnati office of the IT Corporation. Over Christmas break Monica and I had a wonderful week cross-country skiing in Yellowstone National Park. It was a fantastic experience and one which we hope to have again.

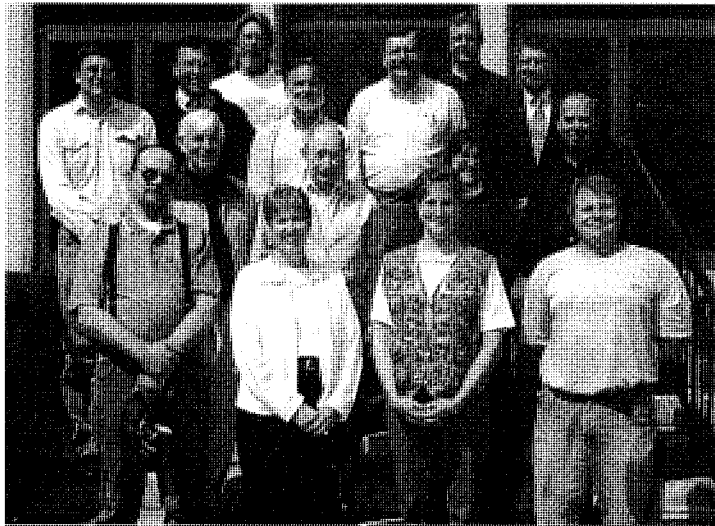
Elisabeth Widom – e-mail: widome@muohio.edu

It's hard to believe, but I have already been at Miami University for two years now! Much of my time is still devoted to teaching, especially because I decided to go "high-tech" in my classes – learning how to use the Web and Power Point has been much more time consuming than I every imagined, but it has also been a lot of fun (at least for me – I'm not so sure what the students think...!). I also really enjoyed teaching my Isotope Geology course for the second time this year, and I look forward to adding a new upper-level course to the curriculum next Fall. The new course, Chemistry of Earth's Interior, will add to the course options for the "Solid Earth Track", and will be narrowly focused on the formation, composition, structure and evolution of the Earth, moon, and solar system (that shouldn't require a whole semester, should it??).

Believe it or not, the new isotope geochemistry clean lab in Shideler has finally been completed (after two years – don't ask about this unless you want to hear me rant and rave for hours!). All the geochemistry grad students and I had a great time hosing down the walls to wash away the construction dust. This made John Hughes a little nervous since his X-ray equipment is in a room just below this lab, but there was only minor flooding of his lab (just kidding – all is well!). My students and I are very excited about the new lab, and we are expecting to have a very productive summer working on lithium and osmium isotopes in samples from Kamchatka and the Azores and Canary Islands. I am also looking forward to initiating a new research project on samples from (of all places!) Ohio; An incoming graduate student and I will be using Os isotopes to determine whether Serpent Mound was formed by a meteorite impact.

On the home front, Dave and I are still really enjoying the new

house in Oxford, and we are looking forward to being around for much of the summer to enjoy it (somehow we don't see much of it during the school year!). We are planning a big vegetable garden this summer (with an emphasis on habanero chili peppers – youch!), but it will be quite the battle to see whether we or the neighborhood animals get most of the produce!



Faculty and staff pictured left to right:
 (front row): Joe Marak, Teresa Kolb, Cathy Edwards and Dave Kuentz;
 (2nd row): Ken Shafor, Wayne Martin and Elisabeth Widom;
 (3rd row): John Morton, Mark Boardman and Bill Hart;
 (4th row): Yildirim Dilek, Paul Holm and John Hughes;
 (5th row): Hays Cummins and John Rakovan

DEPARTMENTAL STUDENT HONOR AWARDEES

The H. Van der Veer Hilker Memorial Scholarship: Awarded to a junior geology major selected on the basis of academic achievement and potential contribution to the community, need for financial assistance, and the recommendation of the Department.

Jennifer Nolen

The Wells Scholarship: Awarded to a student attending field camp on the basis of grade point average and need:

Diane Kolp

Robert E. Radabaugh Geology Scholarship: Awarded to outstanding geology majors on the basis of need.

Karrie-Ann Hughes
 Matt Spansky

The Wayne D. Martin Field Fund: This is a fund established to help students cover field expense.

Shannon Collier
 Kelly Collins
 Jason Davidson
 Sarah Dietrich
 Daniel Esguerra
 James Essex
 James Foley
 Charles Goodwin
 Seth Horstmeyer
 Karrie-Ann Hughes
 Jennifer Kohl
 David Kostreva

Jillian Lynch
 David Micale
 Rachel Miller
 Charles Minturn
 Addie Multerer
 Shawn Seiler
 David Shelton
 Pete Singer
 Melanie Thomas
 Shawn Thomas
 Carrie Wright

EMERITI UPDATE

Wayne Martin

Helen and I did not make the "Wonderful Wyoming" trip last summer owing to our daughter Linda's illness. Linda lost her two year battle with cancer last spring. We plan to visit Dubois this summer.

I participated in a field trip to the Morehead, Kentucky region last fall with Professor Mark Boardman and students.

During the winter and spring Joe Marak, Michelle Geissler and I worked to improve the catalog and other listings of specimens of the sedimentary rock collection.

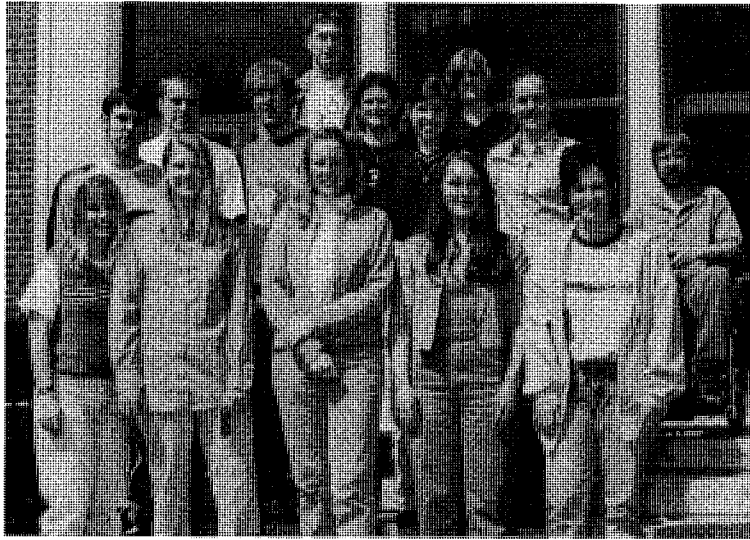
My manuscript on the geology of the Dunkard Group was published as Bulletin 73 of the Ohio Geological Survey. Publication was held up until this spring owing to a backlog of manuscripts at the Survey.

This paper relates the "Dunkard Story" as it can be told at this time. It is a compilation of knowledge developed from many sources, some not readily available. Serious study of the rock sequence was started about 50 years ago, by me, with a Masters thesis project. This was followed by dissertation research and students at Miami University who completed 20 Masters thesis studies of the Dunkard. The data developed in field and laboratory research of the rock sequence by these students have been invaluable in the preparation of the "Dunkard Story".

Robert McWilliams - e-mail address:
rmcwilliams@miaavx1.muohio.edu

Richard Lee, Ed Soldo and I taught 85 teachers enrolled in Environmental Science for Elementary School Teachers who were supported by a \$94,597 Eisenhower Grant from the Ohio Board of Regents. Richard Lee is a Miami University professor of Zoology and Ed Soldo is a Miami botany grad who teaches biology at Sycamore High School. So far, I have received a total of \$705,565 in Eisenhower grants to train Ohio teachers in field geology and environmental science.

Last summer was the 13th consecutive year for teacher workshops taught at the field station. To date, 1495 teachers from all over the United States have completed courses at the field station.



Some of our grad. & undergrad. students, left to right (front row): Lisel Shoffner, Ann Thomas, Amy Lustig, Karrie-Ann Hughes, Jeanette Schmitz; (2nd row): Seth Tanner, Darin Snyder, Craig Thomas, Dawn Helm, , Diane Kolp, Stephanie Bosze, Jeff Foley, (3rd row): Matt Brueseke and Ann Olesen

MUGS NEWS

1999-2000 MUGS Officers

President Karrie-Ann Hughes **Vice Presidents** Dan Esguerra Dawn Helm

Secretary Jeanette Schmitz **Treasurer** Carrie Wright

The 1996 Golden Anniversary Rendezvous was supposed to be my last scheduled visit to the Field Station. But, because I received another Eisenhower, I will return again this summer.

Mary and I are enjoying our retirements. We spent three weeks in Sicily and Italy this winter, plus a trip to the Everglades with the Smithsonian and a trip to Canada's Jasper National Park and several trips to Oregon to visit our daughter Molly, son-in law Jon and granddaughters, Lane and Lucy.

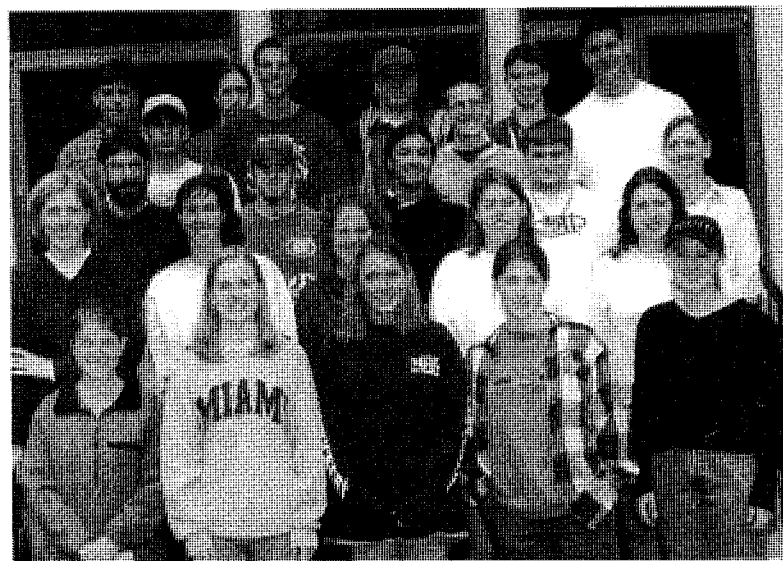
THE KARL E. LIMPER MUSEUM

Joe Marak – e-mail: marakjh@muohio.edu

The museum was pleased to sponsor an Alumni Weekend special presentation entitled, "Storyteller for the Tribe" by James Mitchell Smith (M.S. '49). The subject of Mr. Smith's talk was the history of the Miami University Geology Department. The talk was enhanced by the presence of Art Bloom (A.B. '50) and Paul Daniel (a zoologist who shared Brice Hall with the geologists).

Tom Hawisher (A.B. '58) dropped by and left a note while I was vacationing and Marge Mochel Staples visited in April of this year. Although Marge was not a geology major, she participated in Dr. B.T. Sandefur's 1942 Western US Field Trip; so many of our majors will remember her. Tom Laskowski (M.S. '78, Ph.D. '82) and family were on campus last fall and visited for a few moments. Tom is still prospering with Corning Glass and it looks like his daughters will soon be off to college. Teckla Scott Dando (M.S. candidate '80, '81) presented a Limper Geology Museum Lecture entitled "The Bermuda Triangle: The Mystery and the Geology".

Speaking of the Limper Geology Museum Lectures, they continue to be well received due to the generous support of our faculty, their spouses and our friends. Carol Eddy Dilek (wife of Yildirim and mother of Sophie) presented "Pollution Site Remediation". Steve Horstmeyer (took some geology classes at Miami and the father of one of our current majors) talked about "Backpacking across Bafin Island". Jeff Gerken (not one of ours, but an American Electric Power Associate of Tom Swinehart (M.S. '69) told us about "Coal: The Inside Story".



Some undergrad students, left to right:
(front row): Sara Dietrich, Katie Feighery, Kasey McCall, Shannon Collier, Kelly Collins, (2nd row): Rachel Miller, Addie Multerer, Liz Lloyd, Allison Croley, Melanie Thomas, (3rd row): Jonathan Levy, Matt Zitello, Jamie Macy, Jason Davidson, Michelle Geissler, (4th row): David Kostreva, Brad Johnson, Justin Weisenauer, Chris Swank, James Foley, C.B. Minturn, Seth Jump, Shawn Seiler

Darin Snyder – December 1998 – “Petrogenesis of the White Mountain main granitoid suite, Nabesna, District, Alaska” (William K. Hart, Advisor)

Eric Ludy – May 1999 – “Wellhead protection area delineation for the City of Oxford, Ohio and quantification of uncertainty” (Jonathan Levy, Advisor)

Ph.D. Recipients

Erich Bloodaxe – May 1999 – “Links between chemistry and structure in Titanites and Tourmalines” (John M. Hughes, Advisor)

The Limper Museum continued to co-sponsor Natural History Activities with the Hefner Zoology Museum. Additionally, the museum displayed materials at the Central Ohio, the Troy, Ohio and the Cincinnati Gem, Mineral and Fossil shows.

I wish to thank those who have contributed to the Limper Memorial Fund. Your gifts have been generous and will allow the museum to expand its programs in the future.

EMPLOYMENT INFORMATION

We now maintain a bulletin board for posting all position openings. The postings include the names and address of companies and agencies looking for geologists. Information about the postings can be obtained by calling Cathy Edwards or Teresa Kolb at (513)-529-3216.

We have found that the most current job leads come from former students. Thus we would be **very appreciative** if you would continue to provide us information about openings for qualified geologists in your organizations. Again, this information can be passed on to Cathy Edwards or Teresa Kolb at the number above. Thanks for your help!

UNDERGRADUATE INTERNSHIP PROGRAM

The Department also continues to maintain a listing of organizations having internship openings and encourages undergraduate students to apply for these summer positions. This program began five years ago with 3 students who spent their summer with Amoco in Houston, Texas. We would be interested in any internship opportunities for undergraduate geology majors that might exist in your organization. Even if such a program does not exist now in your firm, imagine the extra work that could be accomplished, at little cost, if you were to hire a highly energetic and intelligent student for the summer. Give it some thought, and call either Cathy Edwards or Mark Boardman (513-529-3216) if you decide you could use some help.

THE 1998-1999 GEOLOGY SEMINAR SERIES

The 1998-1999 seminar series featured the following speakers:

Larry Krissek – Ohio State University – “Exploring the Cretaceous and Cenozoic History of Antarctica: The Why, Where and What (so far) of the Cape Roberts”.

Gabriel Flippelli – Indiana University/Purdue University, Indianapolis) – “Chemical weathering climate during the Neogene”.

Thomas Lowell – University of Cincinnati – “Glacial events and determination of climate change in the Southern Hemisphere”.

Nick Foit – Washington State University – “The Crystal Chemistry of the Tetrahedrite Group – a tale of multiple substitutions in the world’s most economically valuable “wastebaste” mineral”.

Geoffrey Abers – University of Kansas – “Earthquakes on low-angle normal faults and rapid extensions”.

Paul D. Howell – University of Kentucky, NAGT Distinguished Speaker – “Small class environments in large classrooms”.

Genaro Martinez-Gutierrez – Miami University – “Relation of climate and tectonics in fluvial deposition within San Jose del Cabo Basin, Baja California Sur, Mexico”.

David Mocher – University of Kentucky – “New approaches and new insights to tectonics and metamorphism in New England”.

John Peck – University of Rhode Island – “The sedimentary environmental magnetic record from Lake Baikal, Russia”.

Jean Bedard – Geological Survey of Canada & Universite Laval – “Syntexis, the missing process”.

Brian Currie – University of Chicago-Illinois – “Jurassic-Cretaceous development of the Cordilleran foreland-basin system, western interior United States”.

BACHELOR’S, MASTER’S AND PH.D. DEGREES AWARDED - AUGUST 1998 - MAY 1999

Bachelor of Arts Recipients:

Jeffrey Armbruster, August 1998

Andrew Kuncel, August 1998

Carrie Lee, August 1998

Claire McKee, August 1998

Carrie Yeager, August 1998

Amy Hess, December 1998

Kathleen Brackmann, May 1999

Wesley Carpenter, May 1999

Alexis Green, May 1999

Jamie Macy, May 1999

Daniel Rasor, May 1999

Amanda St. Amour, May 1999

Christopher Swank, May 1999

Matthew Zitello, May 1999

Master of Arts Recipients:

Quinn Zimmerman – December 1998

Master of Science Recipients:

Jerry Bellian – August 1998 – “Regional stratigraphy of the western Indo-Pakistan shelf: Implications for the origin and timing of the Kirthar-Sulaiman deformed belt” (Richard Beck, Advisor)

Tonja Larson – August 1998 – “Petrologic characterization of an early Pliocene tephra from the middle Awash Region, Ethiopia” (William K. Hart, Advisor)

Joel Robinson – August 1998 – “New geologic insights for northwest Pakistan from landsat thematic mapper” (Richard Beck, Advisor)

Rob Swartwout – August 1998 – “Extent and distribution of groundwater contamination from Atrazine and Atrazine Metabolites in a buried valley aquifer, southwest Ohio” (Jonathan Levy, Advisor)

**THE 1998-1999 GEOLOGY SEMINAR SERIES-
continued**



Wayne Martin (far right) pictured with Joe Marak and Ken Shafor

Stefanie Brachfeld – University of Minnesota – “Sedimentary magnetic archives of deep-earth and surface processes: examples from North America and Antarctica”.

Diane McDaniel – SUNY @ Stony Brook – “Provenance and weathering history of Amazon River Sediment”.

John Jaszczak – Michigan Technological University – “Surprising graphite from Ontario and Ukraine”.

Roger Bain – University of Akron – “Sedimentary record of a Pennsylvanian basin in the ancestral Rockies, Sangre de Cristo Mountains, Colorado”.

Don Weidener – Centre for High Pressure Research, SUNY @Stony Brook – “Why the Earth quakes deep”.

Steve Guggenheim – University of Illinois-Chicago – “Organo-pillared clays”.

Laurie Benton – Carnegie Institution of Washington – “Origin and evolution of serpentine seamount fluids, implications for the recycling of subducted material”.

In addition, graduate students proposed or defended their theses and dissertations.

We again thank all alumni whose financial support have helped cover some of the costs incurred in maintaining this seminar series.

SPECIAL INVITATIONS

As in past years, we would very much like to invite you to visit the Department to meet our new faculty and see the changes in equipment and space use that have occurred since you graduated. You are always welcome in the department. Three special alumni events that occur each year and are open to all alumni are:

Alumni Weekend Activities - Alumni weekend occurs in mid-June each year. In addition to traditional university activities that are planned, the Department holds an annual reception for our returning alumni. This year's reception was held on Saturday, June 12. This year's reception was held at the home of John and Susan Hughes. Several people attended and enjoyed themselves but unfortunately, no one took pictures this year.

Limper Lecture Series - Each fall the Department sponsors a Saturday morning lecture series for the general public on a theme related to the earth sciences. These talks have proven interesting and lively, and have served as a vehicle for introducing geology to the public and for drawing alumni back to the Department. If you would be interested in the Fall, 1999 schedule, please contact Joe Marak at (513) 529-3220. We hope that you will join us for a cup of coffee or tea, a donut and a stimulating discussion on some point of geological interest.

Alumni Reception at GSA in - The Geological Society of America meetings are always a good place to re-establish ties with Miami friends. This year the meeting will be held in October, 1999 in Golden, Colorado. As in past years, we hope to have an alumni reception for all who make it. The exact date, time and place of the reception will be announced when plans are finalized. We hope to see many of you there!

SPECIAL RECOGNITION

One of the real pleasures each year for the editors is the recognition of alumni, faculty and students who have received special recognition or awards during the past year. Please let us know if you receive such recognition so that we can pass on the good news.

Jeffrey Armbruster (A.B. '98) was elected to Phi Beta Kappa, the top honorary society for Arts & Science.

Diane Kolp (Geology major) received the Central Ohio Gem and Mineral Show Scholarship. This scholarship is awarded on the basis of merit for geology majors. Diane received \$1,000 in scholarship assistance for this honor.

Stanley Paxton (M.S. '80) Stanley along with Gary C. Stone and Barbara L. Faulkner received the International Poster Award for the best poster presentation at the 1998 International Conference and Exhibition in Rio de Janeiro, Brazil. Stanley is a research associate with Exxon Production Research Company in Houston. Stanley received his B.S. degree from Illinois University and his M.S. degree from Miami University. In 1982, after completing a Ph.D. in Geology from Penn State, Stanley joined EPR and has since played a key role in the development and application of reservoir-quality assessment and prediction technology for Exxon affiliates throughout the world.

As a result of this work, Stanley and Exxon colleagues developed the "Integrated Reservoir Quality Assessment and Prediction Process" highlighted in a symposium held at the 1995 AAPG Annual Meeting in Houston. The "Integrated Approach" has been key to providing a framework for mapping the regional "sweet spots" in basins. The Rio '98 poster served as an excellent showcase for application of these practical technologies.

Wayne D. Martin, Professor Emeritus, was recently featured as a Distinguished Alumnus of West Virginia University. Wayne received his Master's Degree from WVU in 1950. Wayne says he was Prof. Milton Head's first MS student doing research on two sandstone bodies of the Dunkard Group. This research served as an incentive and basis for his dissertation at the University of Cincinnati where he earned his Ph.D. in 1955. Wayne directed 20 graduate thesis studies on the Dunkard while at Miami University and retired in 1986 after 35 years of teaching. Wayne remains active in the department having recently written the "Dunkard Story", a compilation of knowledge of the Dunkard Group which was published as Bulletin #73 by the Ohio Geological Survey.