

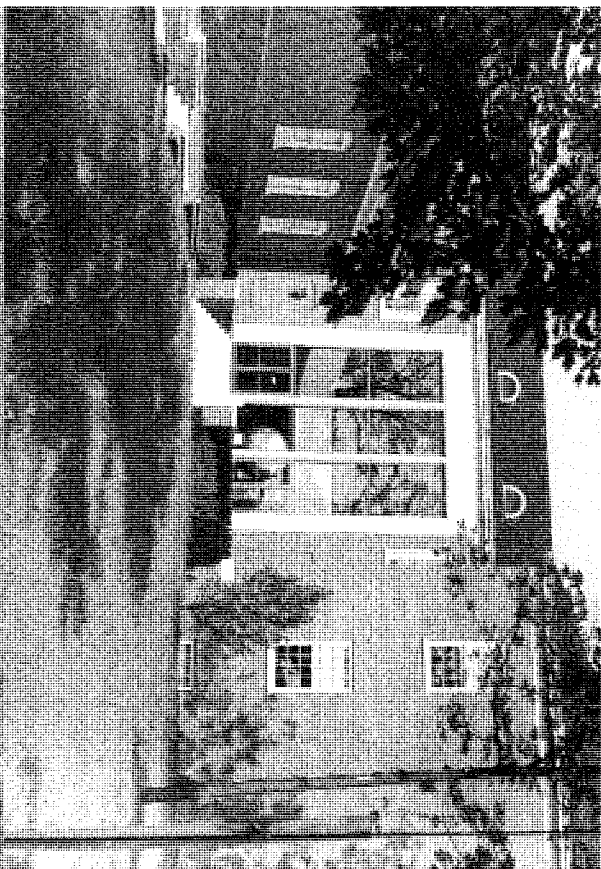
Brice Hall

Department of Geology  
114 Shideler Hall  
Miami University  
Oxford, Ohio 45056

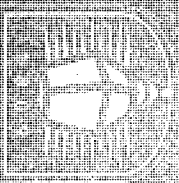
MR. JAMES ESSEX  
GEOLOGY DEPARTMENT  
MIAMI UNIVERSITY  
OXFORD OH 45056

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# The Shideler Shideler



Alumni Bulletin/Department of Geology



MIAMI  
UNIVERSITY

OXFORD OHIO

NO. 119

2002



**FROM THE EDITOR'S DESK**  
**Cathy Edwards**

Here we are again, at the end of another successful year. Change continues on in the department with the official retirement of Dwight Baldwin, the continuing appointment of John Hughes as Associate Dean of Arts and Science and the continuing appointment of Mark Boardman as Acting Chair of the department.

The Department once again conducted a successful search for a new faculty member this spring. Our new hire is Hailiang Dong, who is coming to us from the University of Michigan. Hailiang will arrive in August to begin teaching. You can read more about Hailiang later in the Shibboleth.

On a sadder note, many of you may already know that emeritus professor, Norman Grant, lost his battle with cancer last summer. Norman was with the Department from 1975 until his retirement in 1995. The department was very sad to hear the news of this loss and extend our deepest sympathy to Norman's sons and daughters.

On a more personal note, my husband started his own construction business here in Oxford with the clientele list continuing to grow and grow. This keeps me busy outside of the department taking care of the secretarial duties for the business!

My sons are growing up quickly. Mitch is 15 1/2 and will be getting his driver's license in November (YIKES!) and is already an inch taller than I am. He is playing freshman baseball for Talawanda High School this year after varsity lettering in High School Ice Hockey this past fall. Derek is 12 1/2 and right on Mitch's tail height wise and enjoys playing football and baseball. We are kept busy running to the boy's activities, but love every minute of it!

As mentioned last year, we were anticipating Y2K problems. The millennium presented itself with absolutely no glitches. So, we proceed with yet another academic year behind us and a new exciting year ahead of us.

**FROM THE DESK OF THE CHAIR**  
**Mark Boardman, Acting Chair**

New faces came, old faces are leaving, a revised curriculum is created, and a new endowed lectureship is created..... The Department is evolving.

Arrivals:

**Brian Currie** joined our faculty in January as our newest Assistant Professor and will begin teaching courses on stratigraphy and sedimentology, linked to tectonics. Not the shy type, he has jumped right into his position. He accepted a graduate student for next year, and he has been running to keep in shape for a field season in Tibet this summer. Welcome, Brian.

Return to:

Geology Department  
Miami University  
114 Shideler Hall  
Oxford, Ohio 45056

Our search to fill the tenure-track position vacated by Dwight Baldwin was a tremendous success. **Hailiang Dong** will join us in August. Hailiang is a geomicrobiologist. A what? He examines the geochemistry at mineral surfaces mediated by microbes.

**Departures:**

**Dr. A. Dwight Baldwin, Jr.** joined the ranks of the distinguished group of emeriti faculty at the end of the spring term, 2000. The Department of Geology formally celebrated his 34 years of service to Miami University at a dinner party in April. Seventy-seven people attended and spoke of his contributions. Dwight was instrumental in creating the Institute of Environmental Science, was Chair of the Department of Geology (1977-1985), and led the department during its remodeling as a Ph.D. granting faculty. He was the chair who hired me, Hughes, Hart, and Mayer - the start of a hiring spurt of 15 tenure-track people in 20 years. Dwight's most recent contribution to the department is to create an endowed lectureship for the department, Frontiers in Geology, from which funds will be available each year to bring world-renowned scientists to Miami University to lecture and interact with our students and faculty. Dwight and Barbara Baldwin provided the inspiration and seed funds for this wonderful addition to our department. Contributions to complete the Baldwin Frontiers in Geology Lectureship endowment are being accepted (send to Geology Department). Thank you, Dwight. We wish you well in your retirement.

**Larry Mayer** announced his resignation. Larry came to the department in 1982 and immediately boosted Environmental Geology (GLG 121) from a class of 20-40 students per year to a class that now includes multiple sections of 90 students per term. He, more than any other faculty, joined the computer age by including analyses of satellite imagery and other remote sensing methods, modeling programs, and intense quantification of tectonic and geomorphic processes in his research and teaching. His expertise will be missed.

Last summer, **Norman Grant** died. There was a very moving memorial service for him at Kurler Chapel on the Western Campus. Bagpipes played, candles glowed, and songs were accompanied by a dulcimer. Several people spoke about their interactions with him. He was a remarkable man, and he left a deep impact on many who knew him.

**John Hughes** is now Associate Dean of the College of Arts and Sciences. He has been serving as Interim Associate Dean for the past year. Evidently, the new Dean of Arts and Science is a brilliant judge of character and talents. He will continue to teach Mineralogy and supervise graduate students in the department. And, based on his last year's efforts, I wouldn't be surprised if his research output continued to be among the highest in the faculty. He and John Rakovan were recently seen sorting pages of a new grant proposal (to the National Science Foundation) in the middle of the hall in Shideler for a scientific instrument whose name no one but them can pronounce. Congratulations John!

**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. Recd.

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, 2001!!

## Other News

Our Bachelor of Arts Degree has been revised. Recognizing the evolving concerns of geology, expertise of the faculty, and changes in how we have been advising students, the program now includes a more rigorous core of courses and a broader suite of elective courses to complete an emphasis in either Environmental Geology or Solid Earth Geology. We continue to introduce Geology to approximately 2000 students per year. A new Bachelor of Science Degree was approved by the Geology faculty and will be reviewed by the university system during this coming year. In addition to the requirements for the B.A., the B.S. degree includes more chemistry, physics, and math. It also requires additional elective hours in Geology and a required senior thesis.

Departmental research productivity this year was terrific. Our nine faculty generated over 30 papers in refereed journals and spent \$220,000 from 21 externally-funded grants. About half of our graduate students and about a fourth of our seniors presented papers at scientific meetings. Based on distinguished research activity, the Department of Geology nominated 14 students for membership in Sigma Xi.

**Drs. Jonathan Levy and Yildirim Dilek** were recommended and approved for tenure. We are exceedingly proud of their contributions to the department, Miami University, the scientific profession, and the community.



*Jonathan Levy and Yildirim Dilek*

Of particular note: **John Rakovan** completed his first year as Associate Editor of American Mineralogist and won the Distinguished Educator Award from the Cincinnati Mineral Society. **Kasey McCall** received the American Mineralogist Undergraduate Research Award and **Stephanie Bosze** is the recipient of the Society of Luminescence Microscopy and Spectroscopy student research award. Kasey will begin graduate school at SUNY-Stony Brook next year, and Stephanie will complete her M.S. at Miami University this year. Fifteen majors were graduated along with seven minors in Geology as well as 2 masters students.

*This book was printed on recycled stock*



Field activities of the Department remain a central and extraordinary aspect of our program. Our faculty and students conducted research and teaching in Turkey, Mexico, Ethiopia, Bahamas, Costa Rica, Canada and numerous locations in the U.S. Nearly 10% of all students enrolled in international workshops (83 of 866) were in the Geology Department. Money to support student travel to field localities, as well as to meetings, partially comes from gifts to the endowed accounts of our department, and we are deeply grateful to our alumni and friends who facilitate these outstanding opportunities for our students.

The Department is evolving. We are exceedingly proud of our accomplishments this year and we think you will be too. If you are in the area, please come by and reacquaint yourself with us.

### Dwight Baldwin retires

Barbara, our son Art, less than a year old, and I came to Oxford and Miami University in the fall of 1966 after completing all requirements except for the completion of my Stanford dissertation. That first year was a busy one what with the initiation of 4 new courses and putting the finishing touches on the dissertation. A big decision that demanded thought and soul searching that year was whether to continue renting or to purchase a home at 4883 James road. The owning of a home would fulfill a life-long dream but would it be a wise investment? How long would we remain in Oxford? Would the Department be pleased with my performance and would I be happy teaching? But here was what seemed the ideal home in a quiet and secluded section of town and we decided to take the plunge. Who would have guessed that we would remain in that home for 30 years where we raised Art and our second son Tim, born two years later.

My first trimester at Miami was spent in old Brice Hall inasmuch as the finishing touches were still being put on the shiny, new Shideler Hall. But come Christmas, and with the help of Miami staff, graduate students and even faculty, the move was made to what was then the eastern side of campus. To have an office of my own with my own adjacent laboratory was heaven and it is here that I developed and taught undergraduate and graduate courses including Physical and Historical Geology, Environmental Geology, Water and Society, Structural Geology, two semesters of Hydrogeology, and Photogrammetry and Photogeology, and directed the research of a number of talented graduate students. Consulting and committee work outside of the University also greatly enhanced the real-world experiences that I could bring to my classes.

At this same time that I was beginning my work in the Geology Department, I was also seeking contacts with faculty in other departments with similar environmental interests. There arose out of these interactions the realization that Miami needed a formal academic unit which could teach in a truly interdisciplinary mode and break away from the limiting confines of the traditional disciplinary departmental education. Thus in the spring of 1970, Gary Barrett (Zoology), Roger Wilson (Botany) and I visited with John Dolibois, then director of the Alumni Office, to seek the financial support necessary to allow 4 faculty and me, all from different academic disciplines, to work during the following summer to develop a curriculum and rationale for the establishment of the Institute of Environmental

### LOST ALUMNI - continued

John T. Lillie '72	Jeff Ratliff '83
Carl Lind '57	Jacob Reitenbach '72
Harley Lindquist '83	Ronald Riley '75
Ernest Lintz '65	Howard Ritzma '47
David Loeb '38	Lora Roberts '81
Jacquelyn Fritz Loomis '79	Harriet Leeds Robison '60
Arnold Lovern '52	Harold Rowe '93
David MacNaughton '83	Constance Sasala '84 & '87
Christi Marie Leutz '86	John F. Saylor '84
Michael Madlen '60	Peter B. Schmidt '55
Sue Ann Marshall-Roberts '84	Clifford Schmitt '87
Anthony Martin '86	Lori Scruggs '84
Peter Mazzone '84	Tim Seidl '60
Richard McCathey '87	Julie Bates Seta '81
Albert McGinnis '43	Eric Showalter '88
Linda McGowan '81	Ronald Silver '73
Thomas Meaney '78	Scott Sinex '75
Denis Meanor '76	Kimberly J. Sixelove '84
Stuart Mendei '83	Jack Slayton '51
David C. Meyers '77	Edgar Smith '71
Bruce E. Miller '69	Ronald Smith
Mark Miller '83	William F. Smith '55
Karen L. Mohr '88	Fran Herlily Snyder '93
Phillip Molling '79	Stephen D. Sommer '78
Austin F. Moore '79	Walter Sonnichsen '40
Julie Gordon Moore '83	John Spangler '51
Douglas Morrell '73 & '78	Andrew Sperry '92
Laura Lynn Morris '91	Nancy Reddin Stanley '81
Robert Morris '49	Geoffrey Stausky '81
Susanne Morrison '97	Douglas Stewart '53
Theodore Murray '42	Betty Swartz '82
Thomas Neal '83	James Tinsley '71
Jane Negus-deWys '46	Susan Toomey '76
David Nielsen '74	Frank Turner '48
Thomas Nietert '63	R. Michael Tyson '79
Catharine Graves Norman '73	Richard Tyszka
William B. North '62	Kimberly Vedder '92
Matthew L. Obloy '90	Dong Wang '95
Debra Suzanne O'Brien '89	Robert A. Warner '54
Timothy O'Keefe '82	Rebecca Rodgers Wayne '82
David Olson '82	Peter Weiler '82
Robert Overhuls '48	Charlene K. White '88
Gerald Peterson '51	Todd K. White '88
Valerie Walker '74	Phillip Wilcox '81
Cyrus Porter '38	William R. Williamson '54
Jeffrey Porter '79	Bruce Winningham '88
George Pritchard '80	Josephine Wolter '48
Michael D. Proffitt, Jr. '87	Kenneth Yeso '77
John W. Queen '86	James Young '59
Mary Gaston Rahn '74	Hubao Zhang '92

## LOST 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

William Adams '78  
 Michael Adkins '76  
 Wendy Ahlschlager '73  
 Namik Atalan '70  
 Valija Axelrod '65  
 David Balazs '85  
 Lina Balsiero '54  
 Kristine Hermann Barr '81  
 Michael Barrett '94  
 Francisco Barrientos '57  
 Kevin Bartol '89  
 Joseph H. Beckerman '82  
 Douglas Benton '83  
 Sheldon Bergman '51  
 Elizabeth Keller Bishop '84  
 Robert Bluhm '57  
 Katherine Boulger '75  
 David Bratton '83  
 Mark Brockmann '85  
 Eric R. Brown '87  
 Todd C. Brown '84  
 Robert Cahoon '83  
 Thomas Camp '68  
 C. Merlin Campbell '44  
 Stephen Carlin '94  
 Robert Carlson '54  
 Chi-Jen Chang '49  
 Nicol Chojnowski '95  
 Arthur Clokey '48  
 Michael Coe '85  
 Andrew Cole '88  
 Cheryl Conner '83  
 Thomas Coyner '68  
 Robert Cunningham '43  
 Lewis Davison '52  
 M. Richard Devita '76  
 John Dodge '58  
 T. Michael Dodge '75  
 Thomas Donn '86  
 Lawrence Dreunan '77  
 James Eads '75  
 K. Eugene Earhart '55  
 Bonnie Blake Eberlin '81  
 Jay Eisenberg '80  
 James Eldred '82  
 Lawrence Evans '84  
 James Feller '81  
 Jeffrey Fischer '95  
 R. Stephen Fisher '66 & '75  
 Chris Flanders '84  
 Karl Fleischmann '85  
 Forrest Frazier '57  
 Harold Funkhouser '37  
 Jack Garbutt '36  
 Cathie Gardiner '76  
 Clayton Gardiner '77 & '80  
 Jeffrey Goshorn '76  
 Judy Blakemore Gospodarac '83  
 Mary Graham '38  
 Wilbert Grove '28 & '35  
 Larry Grubbs '61 & '64  
 Ronald Grygo '62  
 William Harris, III '79  
 Donald R. Hassell '72  
 Harold Hazel '54 & '55  
 George Henry, Jr. '67  
 Joseph Herbert '68  
 Jill Hipsley '84  
 Robert A. Hitzig '86  
 Robert Holmes '59  
 Lillie Holton McGinnis '79  
 Ronald Hood '69  
 Don W. Hughes '51  
 Randy L. Hyde '81  
 Terrie Ireland '84  
 Donald Jessiman '44  
 Shannon Jett '97  
 Cynthia Barnhart John '74  
 Allison Enderle Jones '84  
 Robert E. Jones '38  
 Jodi Jurta '89  
 James Kaiser '92  
 Wynn Kearns '86  
 Joseph A. Kelly '35  
 Patrick Kilbane '87  
 Scott R. Kindt '88  
 William A. Kish, Jr. '54  
 Mark Kochan '77  
 Stanley Korzeb '77  
 Wilma Ohl Kraiss '39  
 Thomas Kridler '82  
 Robert Kurvial '69  
 Paul Legge '88  
 Michael Leone '94

Sciences (IES). The success of our effort that summer is reflected in the opening of the Institute's doors to its first class of Masters students in September, 1971 and national and international reputation that the IES program has earned as a premier environmental studies program.

I was thus fortunate to be in the right place at the right time to get in "on the ground floor" and to play an important role in the early formative years of the IES. During these years I served as Deputy Director for Academic Affairs in the IES and on several administrative committees. But most memorable were the lasting and deep friendships made with dedicated students and faculty who had the faith that this new thrust in graduate education would succeed. It was a giddy and exciting time and I thoroughly enjoyed my teaching and administrative responsibilities.

A completely unexpected spin-off from my half-time appointment with the IES was the opportunity to spend 1976-1977 in Malaysia on a Fulbright appointment to help initiate an undergraduate environmental studies program at the University Pertanian, the national agricultural university for the country. The Malaysian experience was meaningful in so many ways for it opened our eyes to the richness of the Chinese, Indian and Malay cultures and to the environmental/economic problems and opportunities faced by developing countries. It also offered a once-in-a-lifetime opportunity to circumnavigate the Earth from west to east.

This year spent on the other side of the world marked the high water mark for my interaction with the IES and formal environmental education, for, when I returned to the Geology Department, I found it in a time of metamorphosis. David Scottford announced that he intended to retire after many years as chair of Geology and, after considerable soul searching, I decided to run for the position. I assumed the reins in the fall of 1979. The next eight years provided a real learning experience; being responsible for the daily operation of the Department and seeing its operation in the context of the larger University picture was eye opening. But, by the spring of 1986 I felt that I had accomplished about as much as I was able as chair and thus stepped back into the welcome role of a 100 percent teaching member of the Geology faculty.

But it was not quite 100% teaching to which I returned, for in the spring semester of 1989, I received a Faculty Improvement Leave to spend the semester in the Department of Hydrology and Water Resources at the University of Arizona. This was an invigorating time of renewal - an opportunity to absorb new ideas relating to water resources, develop new research thrusts and to incorporate new material into my courses. And perhaps the most exciting was the opportunity to spend 5 months in the strikingly different cultural and physical environment which is southern Arizona.

Thus my life in the Department remained one of teaching and interacting with students up to the time I officially retired in the spring of 1997. But full retirement did not begin immediately, for I elected to teach 1/2 time during the spring semesters of 1998, 1999 and 2000. This has been a time of transition, indeed a time leading to a whole new beginning of life. I do not call it retirement because as all those who have made this transition know, it is by no means retirement from life. The little taste that I have savored to date suggests that it is going to be as exciting and busy as ever.

In closing, I should comment about those special things outside of our family and the Department which have made life so very special for us here in Oxford. When we first arrived in town, we found no formal organization which would allow people from within and outside the University to interact on an ongoing basis with international students. Through the efforts of my wife, Barbara, and others, a community-wide, host family program was established in 1970 (Community Service Program for Foreign Students) which has provided international students the opportunity to interact with Americans in many different ways. Barbara and I have benefited immeasurably from the many, many close friends from other countries that we have made through participation in the program and our lives are many times the richer for this interaction. These, along with the close friendships we have established among American students and neighbors in Oxford, will always be treasured.

A second opportunity to help enrich Oxford and its environment came about through Barbara's and my love for the out-of-doors and of hiking in the Oxford region. It came to my attention that Wallace Edwards was attempting to establish a conservation trust to help preserve the natural areas of the Four Mile Valley which were not already owned by Miami. He and I spent many long hours in getting the Four Mile Valley Conservation Trust off the ground and I am proud that these efforts, and the work of a great many others, has resulted in a vibrant organization which now boast over 200 members and which currently owns property as well as working to establish conservation easements. The protected lands will forever remain undeveloped and in their natural state.

So the 30 plus years at Miami University have been a fulfilling and delightful affair. We look forward to our new lives in New England but will surely maintain the close ties that have been nurtured here in southwestern Ohio for all these many years.

### EMERITUS PROFESSORS ADDRESSES

A. Dwight Baldwin, Jr. 6 Fairchild Drive Oxford, OH 45056	Wayne Martin 1110 S. Locust St. Oxford, OH 45056	Roy Reinhart 25 Deer Trail Circle Oxford, OH 45056	David Scottford 1029 Cedar Drive Oxford, OH 45056
Jim Beyer Westover Retirement Comm. 855 Stahlheber Road Hamilton, OH 45013	Robert McWilliams 477 White Oak Drive Oxford, OH 45056	Perry Stewart 7041 Bent Tree Blvd., #717 Columbus, OH 43235	
Mrs. Karl Limper (Louise) 134 Hilltop Road Oxford, OH 45056	John Pope 203 Oakhill Drive Oxford, OH 45056		

**Norman Grant** (Emeriti Professor) - Norman passed away last summer after a battle with cancer. Norman earned his Ph.D. degree at the University of Edinburgh, U.K. in 1961 and joined the department as an Associate Professor in 1975. Norman was the founding member of the Miami University Sustainability Project, which was supported by a grant of \$265,000 from the Cleveland Foundation (1992-1995). Norman participated in an interdisciplinary capstone course entitled, Global Climate Change, together with a Fall, 1995 program of visiting speakers on climate change, organized with Marcia Bjornrud in cooperation with colleagues from Botany, Physics, Zoology, the Institute of Environmental Sciences and the School of Interdisciplinary Studies.

Norman retired in 1995 and spent the rest of his years in Appleton, Wisconsin. Norman is survived by two daughters and two sons.

**David McEachran** (A.B. '83) - David passed away on March 31, 1998 from complications resulting from ALS (Lou Gehrig's disease). David is survived by his wife Cheryl McEachran.

### CONTRIBUTIONS BY ALUMNI AND FRIENDS TO THE GEOLOGY DEPARTMENT (June 1, 1999 through May 31, 2000)

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

Dr. & Mrs. A. Dwight Baldwin, Jr.	Frank & Claudette Herbert	Nicholas Schneider
Mr. & Mrs. A. Dwight Baldwin, Sr.	Dennis Hipple	Ted & Harriet Schmitt
Charles Balveat	Ed & Marjan Jackson	Carol Scholl
Jeanne Bassett	Carl & Anne Jantzen	David Schuster
Christopher Beltz	Karen Johnson	Peter Sellover
Mr. & Mrs. William & Julia Bishop	Martin Kelsey, Jr.	Donna Shackelford
Glen Allan Brown	Richard Kilburn	Judith Luhn Sneed
John Curtis	Bill & Susan King	Charles Soule
Yongshan Da	Stephen & Elizabeth Lengyel	Ross Steenson
Mark Dayton	Louise Limper	Thomas Stephenson
David DeLo	Howell Lloyd	Craig & Bev Stichenoeth
Judith De Luce	Charles Lotreck	Robert Storch
Albert Dickas	Delbert & Sally Lutz	George Vanderstuijs
Amb. & Mrs. John Dolbois	Wayne & Helen Martin	Darron Walla
Martin Dugartian	Bob & Mary McWilliams	William West
Kimberly Ethel	Joanna Michalek	Barbara Wheeler
David Elyer	Taki Negas	Timothy Whipple
William Fausey	Jeanne Nesbit	James & Betty White
Jane Flueckiger	Antone Pathe	James & Laura Wolf
Mark & Lois Frye	John & Monica Rakovan	
Jane Granger	Ed Roberts	
Terry & Betsy Hair	Otto Sardi	



thinking about getting her teaching certificate, ultimately to teach college level courses and give back what was given to her.

**Whipple, Tim** (A.B. '84) - Tim is a Senior Project Geologist at URS Greiner Woodword Clyde in Cleveland and also received an adjunct faculty position at Kent State University's Geauga Campus.

**Zelders, Lorri Scruggs** (B.A. '84) - Lorri and her husband Rob have three children ages 7, 5 and 3. After working as a hydrogeologist for the NS department of Environmental Protection from 1984-1995, Lorri is now a stay-at-home mom.

**Ziello, Matt** (B.A. '99) - Matt received a scholarship to work on his M.S. from the University of Rhode Island and is working as a teaching assistant.

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.

### 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:

**Jack Brownstein** (M.S. '60) - Jack passed away on November 14, 1999. Jack earned his Bachelor's Degree at Hunter College in 1958 and after graduating from Miami went on to teach, ending his career at the University of St. Thomas. Jack didn't retire, and his last class was September 20, 1999. He thought he had the flu and when it didn't go away, he had it checked out. It was cancer.

Jack was named professor of the year in 1998 and credited with starting many programs at the university including the Geology Department at the University of St. Thomas. In his 38 years at the university, Jack taught more than 7,000 students, 135 of whom were geology majors. Jack also started the Geography Department, the environmental studies program and the science and mathematics major for elementary education in 1992.

Jack is survived by his wife, Joan.

**Allan Grant** (A.B. '75) - Allan passed away on July 9, 1998 in a hiking accident. Allan earned his Master's Degree at Bowling Green University and moved to Houston, Texas where he worked for several oil companies before earning a degree in Computer Engineering Technology from Houston University. Allan's last job was with Texas Instruments.

Allan is survived by his parents, Carroll and Evelyn Grant; Dayton, Ohio and a son Nicholas, Houston, Texas.

### NEW FACULTY Hailiang Dong

The department feels most fortunate to have been given the authorization to hire a new assistant professor due to Dwight Baldwin's retirement.

Hailiang Dong joins the Department in August as an Assistant Professor. Hailiang received his Ph.D. from the University of Michigan and went on to obtain a Post-Doctoral Research Associate position at Princeton University. Hailiang's interests are on various aspects of geochemistry, mineralogy and microbial ecology.

Hailiang has memberships with the American Association for the Advancement of Science, Mineralogical Society of America, Geological Society of America, The Clay Minerals Society and the American Geophysical Union. We are looking forward to welcoming Hailiang to our faculty in August.

### FACULTY AND STAFF NEWS

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

And another year passes.

I was watching the movie Groundhog Day last week and was amazed at how similar my years are to the days of the star of Groundhog Day. Each year, I get to remake my life. Each year, I try to improve my teaching and expand my skills. The core of what I do and who I am stays the same, but the details of how I do my job changes incrementally (I still can't play the piano or sculpt ice). So what's new to me?

This year, I linked forces with Hays Cummins (School of Interdisciplinary Studies) to teach a course on Global Climate Change. It was a terrific experience. Students asked excellent questions, debates were common, and I learned a lot. We visited the Byrd Polar Research Center at Ohio State University and also went to hear Dr. Wallace Broecker speak there. Watching someone else teach Oceanography in the fall, while I performed Chair duties was strange, but I survived these sidelines last year, and I'll do it again this year.

Year by year, my research has become more closely linked to rocks and "old" rocks at that. This fall I presented an abstract at GSA (Denver) that was entirely based on rocks and that was not based on Holocene events. This was a first for me. All of my previous research has been based on Holocene sediments. Over the past several years, we've collected 4 shallow cores (ca 15 meters each) of Quaternary carbonate rocks, and the several theses by graduate and undergraduate students actually made excellent sense when linked together. I'm even more encouraged to get the drilling rig to Andros Island and get a cross-island sequence of cores. Maybe next year.

Workshops in the Bahamas were again a huge success. Graduate students spent a week on Andros Island sharing field skills in field observation, well sampling, field geochemistry, and resistivity studies. The survey course on Bahamian carbonate environments again went to the Florida Keys and San Salvador. The class of 1999 was the largest ever - 27 students and three faculty.

Ever worked with dynamite or nitro-glycerine? Sure you have - if you've parented teenagers. They are both questioning and exploring what this life is all about. Both have decided that my career is clearly not for them! Jeremy got back from a year in Japan (sophomore year of high school), and returned to Blair Academy. He plans to NOT come back to Oxford this summer. He has lots of reason, but one small one that seems significant is a girlfriend. Jessica is surrounded by friends, loud music, telephone conversations, dreams of a car, work, and did I say loud music? Jeremy will be a senior next year, and Jessica starts her sophomore year. What a blast!

So another year has passed. And I have another year to look forward to.

**Brian Currie - email: [curriebs@muohio.edu](mailto:curriebs@muohio.edu)**

As a recent addition to the department, I'm please to say my first semester at Miami has been enjoyable. Most of my time was spent developing my introductory physical geology course, working on ongoing research projects, and preparing for this summer's field season. I'm still in the process of setting up my lab, but hopefully this task will be done by the end of the year.

I am most excited about this summer's research, as it will involve fieldwork on three continents. My first project concerns the use of U/Pb isotopic dating techniques to determine the age of paleosol carbonates in Mesozoic continental sequences in the western U.S. Pioneering work in this field has been conducted by Troy Rasbury at SUNY-Stony Brook, and we are collaborating in order to establish field criteria for sample collection that will help enhance laboratory results. A second project will take me to South America for a month to investigate the tectonic and paleoclimatic controls on Triassic rift-basin development in western Argentina. The remainder of the summer will be spent in Asia working on two projects concerning the Cenozoic development of the Himalayas and the Tibetan Plateau. The first project is to document the early Cenozoic transition from passive margin to foredeep sedimentation along the northern margin of the India subcontinent. This work will be conducted in the rocks of the Tethyan Himalaya in southeastern Tibet. The second project involves the use of oxygen isotopes in Paleocene-Pliocene nonmarine carbonates of southern and central Tibet to determine the onset of orographically-induced precipitation across the Tibetan Plateau. By combining the isotopic data from the rocks with a computer model that calculates the fractionation of oxygen isotopes in precipitation as a function of elevation, I hope to document the topographic evolution of the Tibetan Plateau through time. In addition to all this fieldwork, I will also be spending a week at field camp in Wyoming, and helping out with Jonathan Levy's hydrogeology workshop, here in Oxford. Needless to say, it should be a busy summer!

lotte. Since their move a son, Benjamin, has joined their family and Jeanne just gave birth on June 14 to their third child, a 9 lb. daughter, Rebecca Elizabeth. Congratulations!

**Peters, William C.** (A.B. '42) - William was awarded the Annual American Mineralogist Hall of Fame Award-Medal of Merit, for outstanding service to the geological profession, geological engineering students and the mining industry. William will be presented his award at the 17th Annual Awards Banquet to be held on December 4 in Tucson, Arizona. William is also a Professor Emeritus for Mining and Geological Engineering for the University of Arizona.

**Rassam, Chassan** (M.S. '63) - Gus is now the Executive Director at American Fisheries Society in Bethesda, Maryland. You can reach Gus at [grassam@fisheries.org](mailto:grassam@fisheries.org).

**Robinson, Joel** (B.A. '96, M.S. '98) - Joel is now an official USGS employee. Joel reports although he is still low man on every totem pole, he does have a foot in the door. He is working in Menlo Park, California for the Volcano Hazards Team building digital databases and compiling geologic maps of volcanoes. Joel also announces that his thesis will be published in the GSA Bulletin in March.

**St. John, Richard** (A.B. '56) - In February of 1999, Richard turned 65 and says he should have retired. However, he purchased a small accounting practice to add to his accounting firm in July 1999. Richard says it doesn't look like retirement is a part of his focus. He also changed the name of this firm from Comprehensive Business Services, Inc. to Century Small Business Solutions, Inc. an affiliate of Century Business Services as listed on the NASDAQ. Richard says he is having fun! Richard has been married to his wife, Marilyn, for 46 years and they have a total of 25 children, grandchildren and great grandchildren.

**Sardi, Otto** (M.S. '62) - Otto retired in 1997 from the Connecticut State University System. He and his wife, Henrietta, still live in Columbia, CT. Their twin daughters are both engineers and married. Otto and his wife are expecting their first grandchild in May. Their youngest daughter is a post-doctoral fellow at Yale University Medical School. Otto and Henrietta are fully enjoying the retirement years. They travel to Europe, visit their daughters, go to gem and mineral shows and give talks to clubs and schools. This fall they will be going back to the famous amethyst mine of Idar Oberstein, Germany. Otto sends greetings to all his great professors and classmates!

**Stearns, Donald** (B.A. '56, M.S. '57) - Donald retired from the USAF in 1978 and again from Digital Technology, Inc. in 1995 where he was the Senior Vice President and Chief Operating Officer. Donald is still involved as Marketing and Product Development Consultant to several small high tech businesses in the Dayton, Ohio area. He spends most of his free time fishing, playing golf and entertaining three grandchildren.

**Van Hart, Dirk** (M.S. '67) - Dirk has spent the last two years doing geotechnical work and semi-retired in October of 1999.

**Van Horn, Erica** (A.B. '96) - Erica is a sales associate at Lazarus in Columbus, Ohio. She is currently searching for a job in environmental science and is

**Colby, Norman** (M.S. '89) - Norm started his own business doing environmental work. He reports that he has been very busy so far and likes it a lot. Norm reports that Ron Pelle (M.S. '91) opened his own business 2 years ago and is doing very well.

**Currie, John** (M.S. '49) - John reports that he has two great grandsons to enjoy. He also passed on to us, for those that remember him, "Soupy" Campbell (M.S. '49) passed away in June 1999 after a long battle with diabetes. John's email address is jacur@junco.com.

**Hacker, David** (A.B. '82, M.S. '85) - Dave has accepted a position as assistant professor of geology at the Kent State Trumbull Campus beginning this fall.

**Harris, Ann Graetsch** (B.S. '58) - Ann recently went to a Chautauqua short course at the Mt. Evans Field Station on "The Ecology of the Rocky Mountains". Ann is planning to retire as of June 2000, but will not stop teaching. She will be on the extended teaching and will teach 8 semester hours per year. Please see the section on Special Recognition for more news on Ann.

**Homan, Joseph V.** (B.S. '83) - Joseph is the Director of the National Electronic Commerce Resource Center Program for Concurrent Technologies Corporation in Johnstown, Pennsylvania. He oversees 13 office locations, 11 subcontractors, 300 CTC and subcontractor staff members and 80+ technical projects ranging in size from \$10K to \$3.6M.

**Johnson, Kathleen** (A.B. '82) - Kathleen was married on December 11, 1998 to Donald Stark who is a mathematician with the Navy.

**LaMoreaux, Philip** (Hon. Ph.D. '72) - After full-time retirement from P.E. LaMoreaux and Associates, Inc., Philip has continued as Editor-in-Chief of the international journal of Environmental Geology, published by Springer-Verlag. Another function that requires a substantial amount of Phil's time is as Chairman of the Environmental Geoscience Advisory Committee of the American Geological Institute. Phil also serves on the Board of Trustees of the AGI Foundation, Karst Waters Institute and the American Cave Conservation Association.

**Lepak, Bob** (M.S. '83) - Bob reports that his daughter Sarah turned 16 last July and loves soccer. Bob is teaching Earth Science and Environmental Science at Lake Placid and his wife Nancy is a Senior Lab Assistant at Trudeau Institute. Nancy got to meet one of her favorite cartoonists, Garry Trudeau (Doodlesbury), who is the president of the board at the Institute..

**Love, Tracy** (B.A. '89 & M.S. '91) - Tracy reports that she is still with BP in Alaska. Tracy has been in her present position for 3 years and is looking for another job within BP. Tracy can be contacted via email at: loveta@bp.com.

**Nesbit, Jeanne Cooper** (B.S. '84, M.S. '86, Ph.D. '91) - After leaving Miami in 1991, Jeanne took a job with the Department of Energy in Las Vegas, Nevada where she also met her husband Steve. Steve & Jeanne were married in 1993 and celebrated the birth of their first child, Rachel, in 1995. Jeanne and Steve moved to Charlotte, NC in the fall of 1995 where Jeanne has been a homemaker since then and occasionally teaches at the University of North Carolina @ Char-

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

This has been an enjoyable, productive year. My structural geology class went down to the Great Smokies in April to see (and to feel as well) some deformed rocks in the Southern Appalachians. It was so cold that Dave Scottford, who came along on this trip to show us some fascinating outcrops, had to borrow a sweater from his daughter Nancy (who was also on the trip) in addition to all the other layers he had on already. It was a fun trip despite the cold weather! I also taught a field course on "Active Tectonics of Eastern California" in the Owens Valley over the spring break. This was a collaborative effort with Dr. Nicholas Pinter from the University of Southern Illinois, and he brought a number of undergraduate and graduate students from Illinois. The synergy between the two groups of students (Miami and Illinois) was great. We examined the range-front block faulting in the Plio-Pleistocene sediments of the Owens Valley basin, tectonic geomorphology of Deep Springs, faulting on the Volcanic Tableland and all the cinder cones and basaltic lava flows in the north-central segment of the valley. The view to the snowy peaks of the Sierra Nevada Mountains was spectacular, particularly from where we were sitting in the hot springs in the evenings. We stayed at the University of California White Mountains Research Station in Bishop during this trip, and the students really liked the meals, the Chef's dog and the bunker beds. We are going back there again next spring!

I attended two Penrose Conferences this past year. The first one was in the Cascades in Washington state. We discussed, argued, and argued some more for five days about terrane accretion and the Baja-B.C. connection in the western U.S. Cordillera during this conference. Everybody learned a lot about the mechanics and kinematics of the processes regarding terrane accretion, but came out even more confused about the probable causes and the structural evidence for a lateral translation of a piece of continental real estate for some 3000 kilometers from the Baja (Mexico) latitudes to the British Columbia latitudes during the Cenozoic evolution of the western United States. The second Penrose Conference took me to the Deccan Traps in India. I actually walked all over the Deccan basalts in western India, saw many archaeological relics, and got to know the Indian culture (and the cuisine) a little better. I was utterly amazed by the areal extent of this infamous Large Igneous Province (LIP), the age of which nearly coincides with the K-T boundary and the mass extinction of dinosaurs. One big mantle burp, and you had this intense outpour of more than 2 kilometers of basalts in less than 2 million years! I gave a talk on "The break-up of Gondwanaland and non-volcanic continental margin evolution" at this meeting and got some great feedback from the international audience. I will be giving a Limper Lecture on the Deccan Traps in the department in the Fall (October 14th). So, if you happen to be nearby, please drop in to see some interesting slides from India.

I received some internal and external research grants to work on some exciting structural, petrological, and tectonic problems in Albania during the next several years. It will be interesting to go back to Albania after the NATO's operation in Kosovo last year. One of the things we will do in Albania is to look for some evidence for primary (i.e. ocean floor) microbial activity in the Jurassic basalts. I will also investigate the tectonic evolution of massive sulfide deposits in the Albanian ophiolites. Speaking of Albania, my flight for Tirana will be leaving in less than four hours from now and hence I will have to finish packing my briefcase. I will report on my Albanian adventures in the next issue of the Shideler Shlubbo-

leth. I am looking forward to coming back from Albania just in time to celebrate Sophie's birthday; she will turn five in June and will start kindergarten in the Fall.

**Bill Hart - e-mail: [whhart@miauv1.muohio.edu](mailto:whhart@miauv1.muohio.edu)**

To sum it all up starting last June - field camp, field work (Idaho), teaching, research, field work (Ethiopia), teaching, research, and getting ready for field camp and field work, not to mention one home here in Ohio where I occasionally can be found (more often in Shideler Hall) and one home in Idaho where Judi generally can be found!

At last writing, I was minus 2 hours from departing for Dubois, Wyoming. The summer 1999 field camp went very well and was a packed house with 36 students. This is the maximum enrollment now that two weeks out of the five are spent on the road. The weather was particularly good throughout the Rockies - we even had warm, sunny days in Banff! For those interested in the current field camp design, please check out our website at [www.muohio.edu/fieldgeology/](http://www.muohio.edu/fieldgeology/). Following field camp I headed out to Idaho to see Judi and to continue field studies on the volcanology and stratigraphy around Hagerman Fossil Beds National Monument. As usual, summer went by all too quickly!

During the fall semester, I worked my teaching (National Parks, Igneous & Metamorphic Petrology) into the first ten weeks so that I could join my colleagues for another field season in Ethiopia. All went well in the field and some significant new geological and paleontological insights were gained. And, yes, Judi and I spent Christmas together visiting our families in New Jersey and Pennsylvania.

Spring semester really flew by! I continued to team-teach Chemistry of Earth Systems with John Rakovan, and offered the graduate-level Igneous Petrology course for the first time in three years. On the research front, first-year M.S. student Shawn Irvin and I completed a major project with colleagues in Japan that involved purification and geochemical analyses of volcanic glass from southern Ethiopia. Shawn also successfully defended his thesis proposal and plans to accompany me to Ethiopia for field work next fall. Ph.D. student Kurt Shoemaker received an offer he could not resist and moved to northern Indiana to take a teaching position at Saint Joseph College. Kurt has and will continue to return to Oxford periodically to complete his research and his dissertation. Another member of my research group, Matt Brueseke, decided to bypass the M.S. and continue on for the Ph.D. Congratulations Matt, three more years in Oxford! In addition to these graduate students, two undergraduate students, Carrie Wright and C.B. Minturn (will join my research group as an M.S. student in the fall), worked on independent research projects utilizing basalt and volcanic ash samples collected last summer in the Hagerman, ID area. This past year also was productive on the publication front, with five papers on various aspects of Ethiopian petrology, stratigraphy, and hominid evolution making it to press.

At this writing, I am minus 10 days from departing for Dubois, Wyoming. After the five-week field course ends in early July, I will be leading a second field workshop on the physical volcanology of the western Snake River Plain region. Students Matt Brueseke and C.B. Minturn will participate in this workshop. What next? Since

## NEWS FROM ALUMNI AND FRIENDS

**Allwine, David** (B.A. '84) - David reports that he and his wife are expecting their second child (a boy) in December 1999. David's company, Jacques Whitford, is expanding their Portsmouth, NH office since the environmental consulting business is still going big guns. David spent a week this summer with his brother in Washington state and reports that the Olympic peninsula was great as were his niece and nephews who he hadn't seen in 5 years.

**Baker, Chester** (B.A. '47) - Chet reports there's not much new going on right now. He's still retired from PETROCONSULTANTS in Houston but manages to keep up with oil exploration activities with monthly journals from AAPG and Petroconsultants' weekly exploration news. This year will mark Chet's 50 year mark as a member of AAPG. Chet's weekly activities include cardiac rehab (due to a couple of heart attacks 2 years ago) sessions 3 days a week and golf the other 2 days.

**Bamberger, Mark** (B.A. '84) - Mark was recently promoted to Manager of the Groundwater Program at the Miami Conservancy District in Dayton, Ohio. Mark's wife Beth is still a day-care mom for their three daughters as well as scrap-booking for Creative Memories. Mark is also an adjunct professor at Miami University-Middletown and the Union Institute.

**Bersticker, Albert** (B.A. '56, M.S.'58) - Al and his wife Fran moved permanently to Wyoming after his retirement as Chair and CEO of Ferro Corporation on May 1, 1999. Al says retirement is wonderful, filled with days of golf, fishing, and hunting with a few work days as member of Key, Ferro Brush Wellman and Oglebay Norton board meetings every other month.

**Bonds, Jim** (B.A. '81) - Jim and his wife Laura have a new baby girl, Elizabeth. She is keeping them and her older siblings, Cameron and Katherine at her beck and call. Jim owns and operates a couple of fast food restaurants and a mini storage operation. Jim says there wasn't much continuity between his former occupation as an exploration geologist for Shell Oil and his current vocation. However, he does enjoy teaching earth science to seventh graders as a guest lecturer.

**Brace, Benjamin** (M.S. '68) - Ben and his wife welcomed their first grandchild on April 13. Allison Elaine Brace weighed 8 lbs., 12 oz., was 21" long and is the daughter of Ben's youngest son Shawn. Ben is still at Ohio State and his wife Judy is still at the Grove City Pre-School. Ben and his wife toured Olympic National Park and all the volcanoes in Washington last summer.

**Cardenzana, Kristen** (B.A. '96) - 3 weeks after graduation Kristen moved to Boston and worked in HR for an environmental company. Environmental Futures, Inc. In March of 1998, she moved to Cincinnati and is working as a recruiter for Burke, Inc., a marketing research company. Kristen says that although she is no longer studying or working in geology, it remains her first love. Kristen credits this to the faculty and fellow students who she still keeps in touch (Mery Sargent, Kevin Mire, Shloh Ashley, Matt Hammer and Rob Porges). Kristen extends many thanks to them, Dr. Hughes and Dr. Haley for wonderful memories and friendships.

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

**Matt Spansky**

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

**Chris Gardner  
Abby Keane  
Jill Lynch  
Kasey McCall**

**Jennifer Nolen  
Craig Patterson  
Jay Schwegman**



*Scholarship/award recipients: (1st row): Jillian Lynch, Matt Spansky, and Kasey McCall; (2nd row): Craig Patterson, and Abby Keane*

I have received a one-semester research leave for next fall. I will remain out west, based out of Hagerman, ID (yes, our "second home") until early October. During this time, I plan to continue field studies in portions of Idaho, northern Nevada, and southeastern Oregon, and to write-up the results of some other research projects. That is about it for now - stay tuned for an update next year.

**John Hughes - e-mail: [hughesjm@muohio.edu](mailto:hughesjm@muohio.edu)**

It has been a busy year. I stepped down as Chair in May, 1999 and took the position of Interim Associate Dean of the College of Arts & Science. Although I am now housed primarily in Upham Hall, I still get over to Shideler to teach, meet with students, and undertake research. I have enjoyed my time in the Dean's office, but I miss the daily contact with Geology students and colleagues.

It has been a productive year in research. With funding from the National Science Foundation, Jeff Foley and other colleagues and I have papers in review or published in *Physics and Chemistry of Minerals*, *Canadian Mineralogist* (x4), *American Mineralogist* (x4), and *Acta Crystallographica*. I also continue as Associate Editor of *Canadian Mineralogist*. I particularly enjoy my interaction with John Rakovan. The convergence of our interests in minerals gives me someone to talk to! We have just submitted a proposal (NSF) for a new CCD-detector diffractometer, and have our fingers crossed.

Personally it has been a wonderful year. Gareth is finishing his Junior year at Skidmore, spending the Spring term in Mexico on a study abroad program; of course we had to visit him on Spring Break. Rebecca was admitted as a Lawrence Scholar to Connecticut College, where she will start this Fall. She is now reaping the rewards of her hard work, being named a senior class Valedictorian and National Merit Finalist; most important, she is an all-around nice kid. Both Rebecca and Gareth undertake numerous community volunteer activities, and we are very proud of both of them. Susan continues as the Doty Professor of Accounting at Butler University, and is looking forward to sharing the driving with me starting this Fall when we have an empty nest!

**Jonathan Levy - e-mail: [levyj@muohio.edu](mailto:levyj@muohio.edu)**

I am pleased to report that Amy Kreeger (formerly Amy Lusting) finished her Masters this year. Amy established a field site next to Oxford's water treatment plant, where she took many borings and installed more than 20 monitoring points. She measured hydraulic conductivity in a variety of ways and made direct measurements of groundwater velocity by conducting tracer experiments. The ultimate goal of her work was to assess the likelihood of transport of contaminants from Four Mile Creek to Oxford's well. One of her most interesting findings was the strong anisotropy at this site resulting in much slower vertical velocities than expected. She wrapped things up in February and she did a terrific job. Amy is now working as a hydrogeologist for Burns and McDonnell Waste Consulting Division in Kansas City, Missouri. I miss having Amy around, but I am very happy for all her success.

Eric Lucy finished his thesis last year on quantification of the uncertainty as-

sociated with delineation of protection areas for two of Oxford's municipal wells. In January 2000, an article based on our work was published in Ground Water.

Studying microbial transport through groundwater systems remains my main research pursuit in conjunction with Bob Findlay from the Department of Microbiology. My Ph.D. student, Kerang Sun, continues that work and is trying to quantify the effects of aquifer characteristics on microbial transport. He has been developing experimental methods, and doing a lot of mathematical modeling using mainly sediment from the Great Miami River aquifer next to the City of Cincinnati Water Works' Bolton plant.

In conjunction with Kerang's efforts, my Masters student, Ben Mignery, has been in charge of collecting field data from the same site. Ben is monitoring water quality at a series of monitoring wells installed between Cincinnati municipal pumps and the Great Miami River. Ben's data are telling us about the rates and timing of induced infiltration and the movement of contaminants from the river to the wells. It will be interesting to see if the models that Kerang puts together have any predictive capacity at the field scale.

This past year I taught Contaminant Hydrogeology, Environmental Geology and Introduction to Hydrogeology. The highlight of Intro to Hydro once again was a great trip to the Mammoth Cave area. On Day 1, we visited with Scott Engel from Dames and Moore, who showed us the dye-tracing studies they are conducting at Fort Knox. On Day 2, Joe Meiman, a hydrologist with Mammoth Cave National Park, gave us a 13.5 hour above and below ground private tour of the area. We spent 4.5 hours underground and had the cave system all to ourselves. As in the past two years, Dr. Nick Crawford from University of Western Kentucky gave the class a lecture and a tour of Bowling Green's karst environmental troubles. Students again were able to see first-hand how geological skills can be used for societal benefit. Dr. Crawford has a long record of saving Bowling Green from environmental catastrophe on a regular basis.

My family is 33% larger than this time last year. In addition to my wife, Carole Katz, and our daughter Devra (3.25 years old), we now have a son, Noah, born in August 1999. Noah is propelling himself backwards and is threatening to crawl any day now. It is great to see Devra and Noah playing together and loving each other. What more could Carole and I ask for?

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

**John Rakovan - e-mail: [rakovaj@miamiu.muohio.edu](mailto:rakovaj@miamiu.muohio.edu)**

The highlight of this last year was our fieldwork in New Mexico. As part of an NSF funded project on the growth and trace element incorporation in fluorite, three students and I spent 23 days underground in the Mines of Bingham, NM. Bingham is an interesting, two building town caught in time between the wild west and the future, where we ran into gun slinging cowboys and stealth fighter jets on a daily basis. In conjunction with this field project we also conducted a workshop on the geology and hydrothermal mineralization of the Rio Grande Rift. This took us from the recent volcanics of the Capulin Volcanic National Monument, through the Jemez

**1999 - 2000 MUGS Officers**

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**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.

**Matt Spansky**

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

**Jay Schwegman**



*Some of our graduate students, left to right (front row) Ann Olesen, Art Losey, Jeff Foley, Genaro Martinez-Gutierrez, and Darin Snyder; (2nd row): Jody Lipps, and Sarah Gaddis, (3rd row): Michelle Geissler, Pradumna Neupane, Stephanie Bosze, Allison Croley, and Ben Mignery; (3rd row): James Molholm, James Huentelman, Shawn Irvin, and Matt Brueseke*

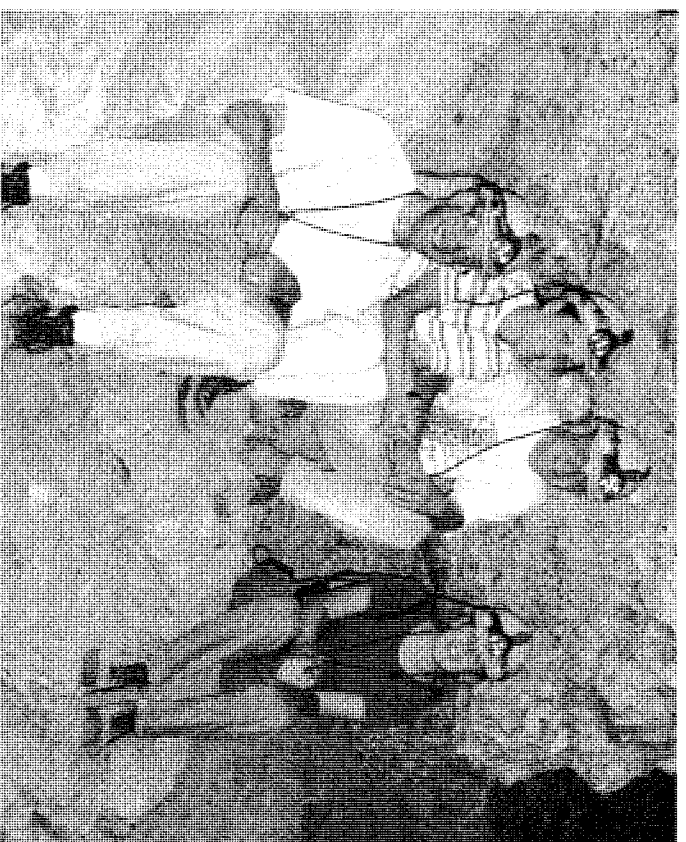
## MUGS NEWS

This has been a very successful year for MUGS. As new officers, we set goals of bringing in new members and making MUGS a means for undergraduates and graduate members to enjoy geology through the interactions with other students. We have an amazing number of new members and continually attempt to recruit students from the introductory geology courses. Our regular activities are bi-monthly meetings, bi-semesterly field trips and fundraising activities. Although our initial budget would not have provided the opportunity for field trips, members participated in a fundraising activity with Campus Concepts. This hard work, along with financial assistance from the department, enabled the successful endeavors we have undertaken.

During the first semester, with the assistance of Dr. John Rakovan, we organized a mineral collecting trip to Correydon Quarry with the Cincinnati Mineral Society. Amazing mineral specimens were collected and the expertise and knowledge of our CMS hosts made for a wonderful trip. In addition, we organized a spelunking trip to Wyandotte Caves. Although we were sore the following day, it was a great experience!

Another full schedule is planned for second semester. The most exciting is a mineral collecting field trip with Dr. Rakovan. We will also have a canoeing trip and a bowling night. These activities are in addition to our annual MUGS Banquet and Lunch on the Lawn. In April new officers were nominated and we wish them all the fun we have had with this adventure.

*Mrs. and the Valles Caldera, Bandelier Nat. Monument, etc, ending at Carlsbad Caverns.*



*1999 New Mexico Field Crew: From left to right: John Rakovan, Becky Witherow, Matt Spansky and Stephanie Bosze in the Royal Flush fluorite mine, Hansonburg Mining District, Bingham, NM.*

Since returning home we have made three trips to the synchrotron sources at Brookhaven and Argonne National Laboratories for experiments on the fluorite samples collected in Bingham. The results have been exceptional and several papers are already in press. Related to another project, Art Losey joined our research group in the Fall and is on the verge of determining the mechanism of structural incorporation of U in apatite. This work has great significance for the use of apatite as a solid waste form for radionuclides. It has been a good year for undergraduate involvement in our research group and several undergraduate students presented their work at National conferences such as GSA in Denver. Several members of our group were also fortunate to have received awards this year for their research and teaching. Kasey McCall (an undergraduate student) was given the American Mineralogist Undergraduate Research Award for her atomic force microscopy work on the surface microtopography and growth mechanisms of graphite. Stephanie Bosze (a graduate student) was awarded the Society of Luminescence Microscopy and Spectroscopy student research award for her work on heterogeneous reactivity at the fluoride-water interface. Finally, the Cincinnati Mineral Society honored me with their educator of the year award.

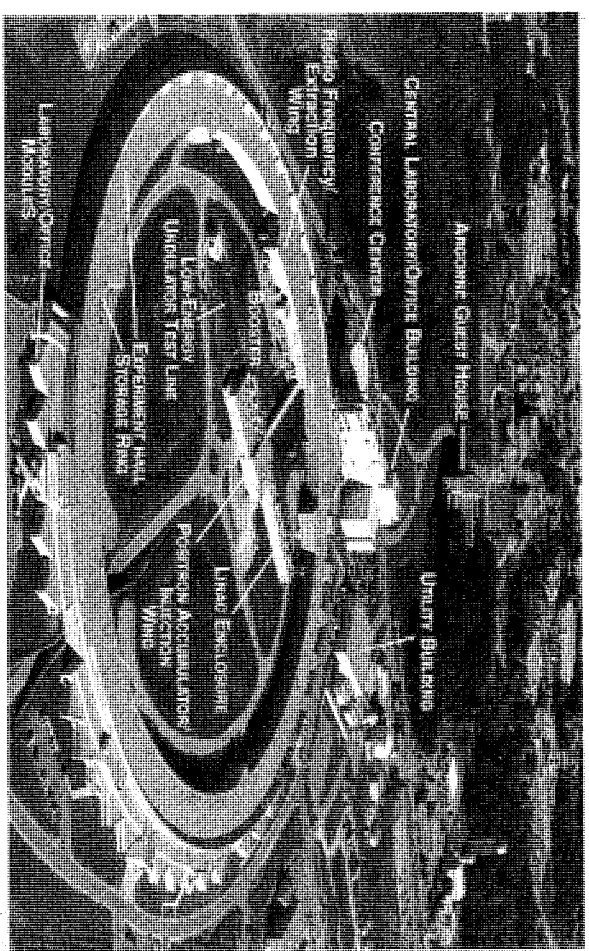
**BACHELOR'S, MASTER'S AND PH.D. DEGREES  
AWARDED - AUGUST 1999 - MAY 2000**

**Bachelor of Arts Recipients:**

- |                             |                                |
|-----------------------------|--------------------------------|
| Scott Anderson, August 1999 | Seth Horstmeyer, May 2000      |
| Sarah Dietrich, August 1999 | Karrie-Ann Hughes, May 2000    |
| James Essex, August 1999    | Jennifer Kohl, May 2000        |
| Katie Feighery, August 1999 | Diane Kolp, May 2000           |
| James Foley, August 1999    | Charles Minturn, III, May 2000 |
| Laura Koehn, August 1999    | Addie Multerer, May 2000       |
| Shannon Collier, May 2000   | Shawn Seiler, May 2000         |
| Kelly Collins, May 2000     | David Shelton, May 2000        |
| Jason Davidson, May 2000    | Melanie Thomas, May 2000       |
| Charles Goodwin, May 2000   | Carrie Wright, May 2000        |

**Master of Science Recipient:**

**Amy Lustig Kreeger** - May 2000 - "Comparison of Hydraulic Conductivity Estimates Using a Variety of Techniques at a Field Site in Southwestern Ohio".  
(Jonathan Levy, Advisor)



*The Advanced Photon Source (Synchrotron Ring), Argonne National Laboratory, IL, where we have been collecting fluorescence and spectroscopic data on the Bingham fluorites.*

Over Christmas my wife Monica and I traveled to Hong Kong to visit family. On our trip we spent an incredible week visiting colleagues in Japan and sampling good sake.

With luck I will be returning to Japan to conduct high pressure and temperature experiments on the structure of apatite at the Photon Factory, the most advanced synchrotron in Japan.

This next year is stacking up to be a good one with several new research projects, including an NSF funded project to look at the variation in sorption capacity of different clay minerals for large organic molecules. The results of which may lead to better cooking oils and environmental contaminant barriers. I will also be teaching a new course in clay mineralogy which I hope will benefit many of our students interested in geochemistry and earth surface processes.

**Elisabeth Widom - e-mail: [widome@muohio.edu](mailto:widome@muohio.edu)**

Well, I've made it past the three year mark still intact! The past year went very well, with lots of new fun and games with teaching. I developed a new upper-level course called "Chemistry of Earth's Interior" which turned out to be a lot of fun. We started with the Big Bang and worked through time to the present day structure and composition of the Earth - not a small topic, and needless to say we didn't quite make it through the whole syllabus! Nevertheless, the students and I all learned a lot, and overall it seems to be a successful addition to the Solid Earth track. Teaching the GLG 111 class is still a big challenge, and I can't seem to stop myself from making major changes (and adding new technology) every term - it makes it entertaining, but it definitely adds to the workload!



*Some of our undergrad students, left to right: (front row): Matthew Spansky, Charles Goodwin, Carrie Wright, Shannon Collier, and Seth Horstmeyer, (2nd row): Craig Patterson, Jill Henry, Jillian Lynch, Karrie-Ann Hughes, and Kasey McCall, (3rd row): Abby Keane, Daniel Esquerra, Chris Gardner*



in Rio de Janeiro, Brazil. Stanley was with Exxon Production Research Company in Houston as a research associate at the time of this award.

**William C. Peters** (A.B. '42) was awarded the Annual American Mining Hall of Fame Award-Medal of Merit for outstanding service to the geologic profession, geological engineering students and the mining industry at a banquet held in Tucson on December 4, 1999.

Born in Oxford in 1920, Bill received his degree in geology from Miami University. After serving in WWII, he received a MS degree in geology in 1948 from the University of Colorado, then received his Ph.D. degree in 1957. Bill began work in 1948 as a mining geologist with New Jersey Zinc Co. in Colorado which led to mineral and mine development with FMC Corp. from 1951 to 1960 and went on to serve the industry for many years before he went to the University of Arizona, where he taught from 1964 to 1982. When he retired Bill became senior associate with Behre Dolbear and Co. working on international exploration projects, mine evaluations and mine development.

**Jay Schwegman** (Geology Major) was one of the recipients of the Presidents Distinguished Service Award presented on April 11. The program recognizes service to the campus, to the community and to the university as student employees. The awards program is underwritten by a grant from the Parents Fund. Congratulations to Jay from the Geology Department!

**James Smith** (M.S. '49) Jim submitted the following poem for us to share:

#### *Wild Stones*

Old stone, old bridges, a well worn path  
A way that is traveled, well worn  
Old stones, old ways, overhanging trees  
the glimpse of the stream and a hill  
Old stones, as we pass we will think of these stones  
think of this bridge and its builders  
Remember a time when the stones were free  
free and scattered on a hill  
touched by the rain and the snow  
The wild stones of the country, uncouthed, unknown  
the stones of ten million years.

Lots of new and exciting things have been happening on the research front over the past year, too. I received NSF funding for a project on Os isotopes in mantle xenoliths from Kamchatka, so most of my research efforts have been focused on that (unfortunately I have a very nice collection of Kamchatka mantle xenoliths already in-hand from my Russian colleague, but I'm working hard to try to find a good excuse to go to Kamchatka to collect more samples!). My students (Sarah Gaddis, Ann Olesen and Darin Snyder) are working on several other projects. Ann is developing techniques for measuring Li isotopes in Kamchatka arc basalts to study crustal recycling processes; Darin is analyzing Sr, Nd and Pb isotopes in trachytes and syenites from the Azores to investigate shallow magma chamber processes; and Sarah is doing a Re-Os isotope study of core samples from Serpent Mound in order to determine whether Serpent Mound was formed by a meteorite impact. So much fun with isotopes!

Dave's been staying very busy too, taking classes for a master's degree in Systems Analysis, and working part-time as a programmer on the side. He seems to be loving computers as much as geology, so the career switch is looking very promising. Dave should be finishing up his Systems Analysis degree in another year, and then the big question will be...another degree, or a real job??

We keep thinking that maybe next year things will be less hectic than the previous year, but somehow the pace never seems to slow down! Oh well, we're hoping that maybe summer in Oxford with some lazy evenings by the pool (with a gin and tonic or two) will be just the ticket for rejuvenation!



*Faculty and staff pictured left to right: (front row): Cathy Edwards, Dave Kuertz, Bill Hart, Mark Boardman and Brian Currie; (2nd row): Yildirim Dilek, Teresa Kolb, A. Dwight Baldwin, Jr., and Dave Finkelstein; (3rd row): John Hughes, Elisabeth Widom, and John Rakovan; (4th row): Wayne Martin, Jonathan Levy and Joe Marak*

## EMERITI UPDATE

### Wayne Martin

Helen and I are planning our usual summer trip to Dubois, Wyoming this summer. We will probably not make some visits to favorite fishing holes owing to the presence of grizzly bears in the northern part of the Wind River Mountains. The bears have been observed near Timberline Ranch in recent years.

I enjoyed field trips in northern Kentucky last fall along with students and faculty of the Geology Department. In April, on Earth Science Day, I briefly described the origin of limestones and shales of the region for five groups of 25 - 30 Preble County sixth graders. This was a different experience for me.

Through the winter and spring I have worked on the sedimentary rock collection, cataloguing new specimens and rearranging specimens in storage areas. Graduate student Michelle Geissler and Museum Curator, Joe Marak, contributed greatly in this effort.

Joe and I recently developed a paper we titled, "Terminology of Sedimentary Rocks". The 37 page outline is a compilation of, and interpretation of, sedimentary rock classifications. We believe that it will be helpful to persons using the departmental collections of sediments, sedimentary rocks and thin sections, and other interested persons.

**Robert McWilliams - e-mail address: [rmcwilliams@miavx1.muohio.edu](mailto:rmcwilliams@miavx1.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 just retired from teaching biology at Sycamore High School. So far, I have received a total of \$805,353 in Eisenhower Grants to train Ohio teachers in field geology and environmental science.

Last summer was the thirteenth consecutive year for teacher workshops taught at the field station. To date, 1092 teachers from all over the United States have completed courses at the field station.

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

Mary and I are enjoying our retirements. We spent two weeks in Mexico this winter and plan to spend three weeks in Spain.

**Alumni Reception at GSA** - 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 November 13 - 16, 2000 in Reno, Nevada. 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!

**Baldwin Frontiers in Geology Distinguished Lectureship** - This is an endowed account set-up to honor A. Dwight Baldwin, Jr. to bring to campus scholars with national or international reputations to interact with faculty and students. The first lecture will take place during the Spring semester 2001 with Dr. Tim White from the University of California, Berkeley. Dr. White will speak on recent geological and paleontological research in Ethiopia that bears on human evolution. More detailed information will be sent out in the Fall. Anyone wishing to contribute to this endowment can do so by sending contributions to the Geology Department.

**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, 2000 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.

## SPECIAL RECOGNITION

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

**A. Dwight Baldwin, Jr.** (Professor Emeritus) who is retiring after 34 years as a faculty member in geology, has been honored for his years of service to Miami by family, friends, colleagues and students through the establishment of the Baldwin Frontiers in Geology Distinguished Lectureship. Funds from the endowed lectureship will bring scholars to campus to present an annual lecture, participate in seminars with faculty and students and work with students on research. The lectureship is a fitting tribute to Dwight as he was the driving force behind the department's lecture series for many years. Anyone wishing to contribute to this lectureship account, can do so by sending donations to the Geology Department.

**Ann Graetsch Harris** (B.S. '58) was unanimously selected to receive the 1999 Award for Outstanding Contribution to Public Understanding of Geology presented by the American Geological Institute. Ann's award was presented at the Friends of AGI Reception on October 26, 1999, at the annual meeting of the Geological Society of America in Denver, Colorado. Ann's award is for her book "Geology of National Parks" written with Esther Tuttle and Sherwood D. Tuttle.

**Stanley Paxton** (M.S. '80) was awarded The International Poster Award for the best poster presentation at the 1998 International Conference and Exhibition

ing the New Paradigm with Echinoderms".

**Peter Dahl** - Kent State University - "Can new geochronometers unravel the details of ancient polymetamorphism?: Recent results from the Wyoming Province".

**Michael Hochella, Jr.** - Virginia Polytechnic Institute & State University - "Mineral environment interfacial processes: How the solid earth talks to the hydrosphere, atmosphere, and biosphere".

**Amy Leventer** - Colgate University - "Holocene climate history of the Antarctic Peninsula: secrets from marine sediments".

**Hailiang Dong** - Princeton University - "Bacteria - Solid Surface Interactions Implications for Microbial Iron Reduction and Bacterial Transport".

**Hong-Chun Li** - University of Southern California - "Speleothems as Paleoclimate and Paleoenvironment Archives: Isotope and Geochemical Signals".

**Robert Andres** - University of Alaska-Fairbanks - "Carbon Dioxide Emissions from Fossil Fuels".

**Damian Nance** - Ohio University - "Avalonia: Appalachian terranes, basements isotopes and Precambrian supercontinents".

**William Renwick** - Miami University - "Continental-scale erosion and sedimentation patterns in the U.S."

**Mark Boardman** - Miami University - "Quaternary sea-level fluctuations: Episodic deposition and diagenesis".

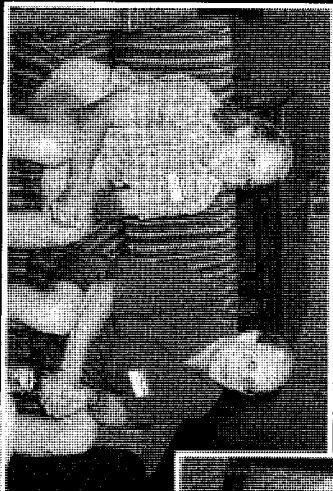
In addition, graduate students proposed or defended their theses and dissertations.

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 17 at the WRA Cabin. Several people attended and enjoyed themselves as can be seen in the photo montage of this year's reception, it was a great time.



ALUMNI RECEPTION  
PHOTOS

## THE KARL E. LIMPER MUSEUM

Joe Marak - e-mail: [marakjh@muohio.edu](mailto:marakjh@muohio.edu)

There was quite a bit of activity in the museum this past year. Liz Widom and Dwight Baldwin offered extra credit to their students for doing museum exercises, and most of the elementary labs paid a quick museum visit. Additionally, elementary and high school class visits were up a bit from previous years. We were pleased to host weekend visits by the Michiana Gem and Mineral Club (South Bend, Indiana area), The Cincinnati Dry Dredgers and the Cincinnati Mineral Society.

The museum sponsored five "Limper Lectures" last fall that were attended by a total of 473 persons. I am indebted to Bill Hart for presenting "A Search for Our Earliest Ancestors: A Geologists Perspective", to Yildirim Dilek for presenting "From Ocean Floor to the Mountains: On the Trail of "Snake Rocks", and to John Rakovan who presented "Amethyst Scepters from Hopkinton, Rhode Island". This successful lecture program has only been made possible by the unstinting support of our faculty, many of them having made multiple presentations.

It was, I think, a good year for the museum and also for Betty and I. Our health remains good and we still enjoy our home on the hill east of town.

As usual, I opened the museum on Saturday during Alumni Weekend. This year, I was fortunate to visit with: Clay Robertson '79 (currently residing in Spartanburg, SC), Ben Sutton who informed me that his brother, Reese Sutton '54 is residing in Tennessee, Glen Johnson '48 (Picket Co. Tenn.) and Barbara Schatz, widow of Frank Schatz '50 (Barbara lives in Midland, TX). Kevin Mallin '89 signed my guest book, but I somehow missed speaking with him. Additionally, Marge (Moekel) Staples stopped by, she was not a geology major, but she participated in Sandetur's 1941 Field Trip to the Western US.

Some of you will remember Teckla (Scott) Dando who completed course work for a Masters degree at Miami from 1980-81. Teckla presented a "Limper Lecture" entitled, "The Geology of Atlantis" for me. She is living in Tipp City, Ohio and teaches in the High School. One of our undergraduate students, Seth Horstmeyer, reports that he visited Utah State last summer and had a nice conversation with the department chair, Don Fessinger (in the Miami Ph.D. program in 1968). Finally, George Distler '72 has emailed me that he and Marilyn have returned to the US and taken up residence in Northern Ohio.

## 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 1999-2000 GEOLOGY SEMINAR SERIES

**David Kidder** - Ohio University - "Siliceous facies, silicified fossils and the Phanerozoic evolution of the silica cycle".

**John Hughes** - Miami University - "Boron in the tourmaline tetrahedral site: Chemistry and structure of a boron-rich olenite".

**Raymond Russo** - Northwestern University - "Slabs, continental roots, and the global upper mantle flow field".

**Paul Tomascak** - Columbia University - "Fingerprinting subduction fluids and slab melts with lithium isotopes".

**Alan Fryar** - University of Kentucky - "Natural attenuation of contaminants: a watershed perspective".

**Hays Cummins** - Interdisciplinary Studies, Miami University - "Benthic Community Analysis in a Bahamian Lagoon: Taphonomy and the Long Term Record".

**David Finkelstein** - Miami University - "Origin and diagenesis of lacustrine sediments, upper Oligocene Creede Formation, southwestern Colorado".

**Thomas Algeo** - University of Cincinnati - "Calcitic and aragonitic ooids in Missourian Stage limestones of eastern Kansas: Control of mineralogical variation by third-order sea-level fluctuations".

**Lenore Tedesco** - Indiana University @ Indianapolis - "The stability of coastal wetlands: The role of sea level rise and catastrophic storms".

**Colin Sumrall** - Cincinnati Museum Center - "Phylogenetic Systematics: Explor-