

Brice Hall



The Shideler Shibboleth



ALUMNI BULLETIN
DEPARTMENT OF GEOLOGY



MIAMI UNIVERSITY

No. 37
1988

OXFORD, OHIO 45056

INVITATION

You are cordially invited to the traditional Miami gala Alumni reception to be held during the 1988 G.S.A. Annual Meeting in Denver, Colorado. This regal event will take place in the *Royal Room of the Hyatt Regency on Monday, October 31st from 8-11 pm*. We hope all will come to renew old friendships. See you there!

REMINDER

Please do not forget to send recollections and pictures you might wish to share concerning your experiences at the Geology Field Station. Your memories will add greatly to the interest of next year's feature article in the Shibboleth!

* * * * *

Quotations from students' exams:

"The maximum particle size a stream can carry is its countenance." (You'd frown too if you were forced to carry such a load!)

"The strike of an inclined sedimentary rock unit is defined as the direction of a line formed by the intersection of the dip in perspective."

"Strata with a downward tendency form a sincline."

"Metamorphic grade refers to the changes in the amount of change in a rock as the cause of the change is approached." (WOW!)

THE EDITOR'S DESK

This 37th edition of the newsletter marks a milestone in the history of the Shideler Shibboleth. As many of you know, Karl Limper has served as editor of the newsletter for many years (eight to be exact). He graciously agreed to serve in this capacity in 1979 when Dwight Baldwin, the new chair and still wet behind the ears, was faced with the task of finding someone to carry on the tradition of editorial excellence established by Roy Reinhart, Charlie Sorrell, Jim Bever and Alice Peo. Much to his delight, Karl agreed to assume this responsibility.

During Karl's tenure, we have been treated to the charm, wit and sharp editorial skills that have been his hallmark. His newsy and light style will be missed by all readers of this epistle and clearly he is going to be a hard act to follow.

Karl has also decided that it is time to hang up the spurs and turn his course (The Geology of the U.S. National Parks) over to the younger crowd. Karl initiated this course upon returning from the Deanship of the College and has seen it grow in popularity to the point that in certain semesters the department has had to teach two sections of the course in a room that holds 256 students. Clearly Karl's "true" retirement will be to the detriment to his students, the Department and to the University. Karl will fill you in on what he and Louise have been doing and what their plans are for the future given the spare time he is generating by his retirement.

All the news fit to print concerning the comings and goings of the Emeriti faculty is the subject of the lead article in this year's edition of the Shibboleth. As you will see, they are leading busy lives and do not seem to be experiencing the problems of boredom that is reported to inflict some retirees. They would love to hear from any of you who had the opportunity to work with them.

As your new editor, I am pleased to note that over 90 of you responded this year for the Alumni News section of the Shibboleth. I hope all will continue this tradition for *it is your contribution that makes the Shibboleth of interest to everyone*. Many thanks are extended to Opal Chris, John Kehr and Melissa Morgenson who contributed many hours of typing and gave many helpful editorial suggestions during the preparation of this 37th edition.

Thinking ahead to what might be the subject of next year's feature article, I would like to detail the activities/changes which have occurred at the Field Station at Dubois, Wyoming over the years. **In this regard, I would appreciate receiving any and all memories/recollections and pictures that you might wish to share with others concerning your experiences at the Station.**

In closing, I would note that this has been an exciting year for the Department. Perhaps the highlight was the hiring of our 11th faculty member. But I will leave it up to Maryellen Cameron to fill you in on this and the many other details which have characterized this year's departmental activities.

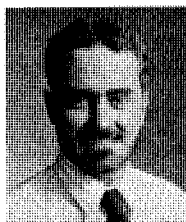
DEPARTMENT ACTIVITIES

The 1987-88 academic year has been another interesting and productive year for the Department. Activities that required a significant amount of departmental effort include the search for a new structural geologist and curriculum reform, both at Departmental and University levels. I have completed almost a year as Professor and Chair of Geology and, *perhaps more significantly*, the faculty, staff and students have somehow managed to survive my first year!

The Geology faculty on the Oxford campus is now comprised of 19 people: 11 tenured or tenure-track, two adjunct, and six emeriti. There are two new appointees since the last news-letter was published. The Department's new structural geologist, Dr. Marcia Bjornerud, joins the faculty as an Assistant Professor in January of 1989. Marcia earned a B.S. degree in geophysics from the University of Minnesota at Minneapolis and M.S. and Ph.D. degrees from the University of Wisconsin at Madison. She currently holds the prestigious Byrd Postdoctoral Fellowship at the Byrd Polar Research Center at Ohio State University. Marcia's research and teaching interests include structural geology, tectonics and tectonophysics. Her Ph.D. dissertation involved a study of the structural evolution of a metasedimentary terrane in SW Spitsbergen, Norway. The second new appointee is Dr. Kevin Crowley, a Princeton graduate and former faculty member at the University of Oklahoma. Kevin, who joined the Department in May of 1988 as an Adjunct Associate Professor, has research interests in tectonics, geophysics and geomorphology. Other changes within the Department include the appointment of Sarah Roeske as an Adjunct Assistant Professor (with the completion of her Ph.D. in March of this year) and appointment of Associate Professor John Hughes as Assistant Chair.



Marcia Bjornerud assumes the structural-geology responsibilities in January



Kevin Crowley joined the Department as Adjunct Associate Professor

Curriculum development within the Department focused on review of the undergraduate A.B. program in Geology and on recommendations of the Liberal Education Forum, which is examining the liberal education program at Miami. Discussion of the A.B. curriculum resulted in incorporation of an elective senior thesis into the program. Program development will continue during the 1988-89 academic year and will accommodate revisions required by the University's liberal education reform. Our undergraduate enrollment appears to have leveled off at about 35-40, and the graduate enrollment is at about 25. During the 1987-88 academic year, the Department awarded 11 A.B. and B.S. degrees, 8 M.S. degrees, and the first two M.A. degrees in its new M.A. (non-thesis) program.

The Geology Department sponsored seven university workshops during the 1987-88 academic year. Two were computer-based: one workshop was entitled "On-line Scientific Literature" (McWilliams) and the other "Microcomputer Applications in Geology" (Mayer). Five field-based workshops, involving work in the Bahamas (Boardman), Wyoming (McWilliams), Death Valley area of California (Mertz and Roeske), and Ohio (Pope), were also directed by Geology faculty. One of the Wyoming workshops was designed specifically to provide teachers with field experience in interpreting geological features.

Geology faculty, staff and students continue to be active in publishing research articles, submitting proposals, and presenting the results of their research at conferences. Faculty and staff published 18 journal articles and 25 abstracts of talks or posters during 1987. Four faculty received new external grants during the 1987-88 academic year -- the majority of the faculty's external awards are provided by NSF with small amounts from NASA, the American Chemical Society - Petroleum Research Fund, and petroleum companies. Our students were also active in research activities. They authored or co-authored seven journal articles and seven abstracts of presentations made at regional

Mr. & Mrs. Ralph L. Horak (Ralph, A.B. '51, M.S. '52; Frances, M.U. '53)
 Capt. & Mrs. J. W. Horrigan, Jr. (John, A.B. '54; Bev, M.U. '55)
 Ms. Elizabeth Johnson-Mauch (A.B. '81)
 Mr. Kenneth R. Krivanek (A.B. '72)
 Mr. Harry B. Kuder (A.B. '55; M.S. '64)
 Mr. Richard W. Lemon (A.B. '61)
 Ms. Elizabeth D. Lengyel (A.B. '66)
 Dr. & Mrs. Karl E. Limper (Karl, Prof. "Emeritus")
 Mr. Robert F. Lindner (A.B. '51; M.S. '52)
 Mr. Herbert L. Magley (A.B. '70)
 Mr. Joseph J. Mauch (A.B. '80)
 Mr. & Mrs. James H. Maynard (Jim, A.B. '52; Billie, B.S. '53)
 Ms. Julie G. Moore (A.B. '83)
 Mr. Richard B. Opalka (M.S. '80)
 Dr. & Mrs. Richard N. Passero (Dick, B.A. '56, M.A. '62; Virginia, A.B. '60)
 Mr. Antone P. Pathe (A.B. '51)
 Mr. George F. Pritchard (M.S. '80)
 Mr. & Mrs. Richard F. Riordan (Dick, A.B. '51; Belinda, A.B. '51)
 Mr. Edward M. Roberts (A.B. '39)
 Mr. & Mrs. Thomas C. Sale (Tom, A.B. '80; Janice, A.B. '81)
 Mr. David C. Schuster (A.B. '74)
 Mr. Peter B. Selover (A.B. '55)
 Mr. Arthur P. Simpson (M.U. '41)
 Ms. Susan G. Soloyaus
 Mr. Charles H. Soule (A.B. '72)
 Mr. & Mrs. G. William Spohn (Bill, A.B. '38; Ursula, M.U. '38)
 Mr. Thomas E. Stephenson (M.U. '44)
 Mr. & Mrs. Craig W. Stichter (Craig, A.B. '75; Bev, B.S. '77)
 Mr. Robert Storch (M.S. '50)
 Mr. Dennis G. Stump (A.B. '79)
 Mr. Jack R. Sutcliffe (B.A. '55)
 Mr. & Mrs. Thomas W. Swinehart (Tom, M.S. '69; Carol, A.B. '69)
 Mr. & Mrs. James R. White (Jim, A.B. '50, M.S. '51; Elizabeth, M.U. '49)
 Mr. James R. Wolf (A.B. '83)
 Mr. & Mrs. Reesor G. Woodling (Reesor, A.B. '59)

Companies and Corporations

Chevron Corporation
 Ferro Corporation
 Shell Oil Company
 Texaco
 Texas Gas & Transmission Corporation

Williams, Jeff (M.S., '79) - Jeff still works for the Department of Energy on the high level Nuclear Waste Program. He has moved since his last report, the new address being: 7788 Carrleigh Parkway, Springfield, VA 22152.

Winkelbauer, Howard (M.S., '74) - Howard stopped by the Miami geology office in May 1988 but unfortunately found hardly anyone about. He did get to talk to Joe Marak.

Wolf, Jim-Bob (A.B., '83) - Jim attended the Gemological Institute of America and became a Certified Gemologist Appraiser. He's been very busy in the marriage department - taking part in his own union, June 18, 1988, to Laura Kruse, and his sisters' (Betsy and Kathy) weddings. He lives at 9188 Duvall Place, Cincinnati, OH 45231.

Woodruff, Mike (M.S., '80) - Mike reports that he has been working in geothermal exploration and development, most recently in California and Oregon. His address is: c/o GEO Operator Corporation, P.O. Box 748, Holtville, CA 92250. He is still happily married to his wife, Jeannie, and so far they have "one daughter (Laura), one dog and one cat."

**CONTRIBUTIONS BY ALUMNI AND FRIENDS
TO GEOLOGY DEPARTMENT FUNDS
JULY 1, 1987 through JUNE 30, 1988**

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

- ✓ Mr. Charles M. Balyeat (A.B. '57)
- ✓ Ms. Karen J. Bartels (A.B. '79)
- ✓ Mr. & Mrs. Robert E. Behling (Bob, M.S. '65; Mary, M.S. '72)
- ✓ Mr. & Mrs. Albert Bersticker (Albert, A.B. '56, M.S. '58; Frances, M.U. '56)
- ✓ Mr. & Mrs. William F. Bishop (Bill, A.B. '54, M.A. '57; Julia A.B. '58)
- ✓ Mr. & Mrs. Richard L. Boone (Jeanne, A.B. '79; Rick, A.B. '79)
- ✓ Mr. G. Allen Brown (A.B. '65)
- ✓ Mr. Robert E. Cain (A.B. '48)
- ✓ Mr. & Mrs. David Carpenter (Dave, B.A. '70, M.S. '74; Marianne M.U. '71)
- ✓ Mr. & Mrs. James W. Carrico (Virginia, A.B. '55)
- ✓ Mr. & Mrs. A. James Coyle (Leslie, A.B. '77; Jim, M.U. '77)
- ✓ Mr. C. Mark Crawford (B.S. '74, M.S. '77)
- ✓ Mr. & Mrs. Michael K. Dalton (Sarah, B.S. '72; Michael, A.B. '74)
- ✓ Mr. Robert L. Detterman (A.B. '41)
- ✓ Ms. Kimberly S. Ehret (A.B. '80)
- ✓ Mr. Jay J. Eisenberg (A.B. '80)
- ✓ Mr. David A. Eyler (A.B., '81)
- ✓ Mr. James A. Feiler (A.B. '81)
- ✓ Mr. & Mrs. Steven M. Ferris (Susan, A.B. '81; Steve, B.S. '81)
- ✓ Mr. Mark W. Frye (A.B. '76)
- ✓ Dr. & Mrs. Clayton F. Gardinier (Clayton, M.U. '77; Cathie, M.S. '76)
- ✓ Mr. Gene Garrison (A.B. '49, M.S. '54)
- ✓ Mr. Harry D. Gibbs (A.B. '47)
- ✓ Ms. Jane C. Granger (A.B. '52)
- ✓ Ms. Ann Harris-Noel (M.S. '58)
- ✓ Mr. Mark A. Heisler (A.B. '81)

and national meetings. They also received external research grants and scholarships totalling approximately \$5,000.

In September, the Department was pleased to host the 18th Annual Binghamton Geomorphology Symposium on "Catastrophic Flooding." This conference, which was organized by Associate Professor Larry Mayer (Miami) and Dr. David Nash (University of Cincinnati), attracted about 170 geologists from the United States and four foreign countries. Papers based on presentations made at the conference were edited by the convenors and published in a book entitled Catastrophic Flooding. The conference significantly increased the Department's national visibility, and both its content and organization were widely praised by participants.

Higher levels of national visibility of faculty are also indicated by increasing numbers of requests for their service by professional societies. Two faculty served on NSF and NASA proposal review panels, two served on editorial boards of national journals, and one was elected secretary of a national professional society. The faculty also chaired sessions at conferences, presented invited talks, and prepared 39 reviews of research proposals and manuscripts (not including the several hundred proposals reviewed by the two panel members).

The Department continues to develop instrumentation and support facilities for its research and teaching programs. During the 1987-88 academic year, faculty and students obtained the first of 1,000 chemical analyses on rocks and groundwaters using a DC plasma spectrometer purchased two years ago with university and NSF funds. Instrument modifications to update the 22-year old isotope mass spectrometer have been in progress for a year and have met with limited success. We have hope of obtaining matching funds from the university to purchase a new mass spectrometer. Renovations are almost complete on a geochemical laboratory used to prepare samples for chemical and isotope analyses. Continued development of all three facilities is an important aspect of the Department's research program because they are used by approximately half the Geology faculty, staff and students. Additional equipment acquisitions to support research and teaching activities include eight microcomputers, two laser printers, three flow meters, three microscopes, a 15-passenger van, a sieve shaker, a data logger, a sample polisher, a digitizing pad, and an analytical balance.

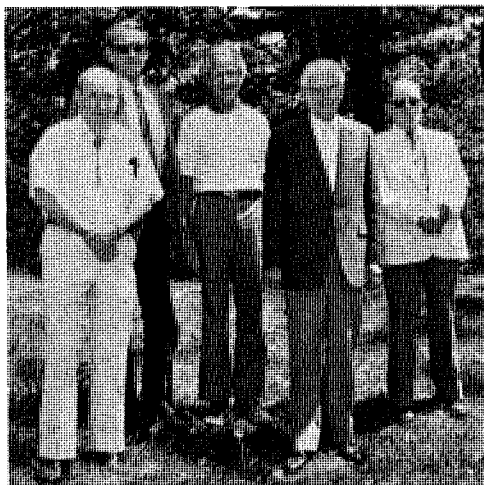
Finally, I wish to thank those of you who have maintained an interest in our academic programs. Your gifts have enabled the Department to support the labs mentioned above and the Limper Museum, to involve undergraduates and graduates in new research initiatives, to support travel to the field and to conferences, and in general to enrich the academic and intellectual environment of the Department.

Of continuing concern to us, and to the profession in general, are the low numbers of undergraduate Geology majors. The decreasing number of majors that we have seen in recent years has finally affected the number of students applying for graduate school. Although the number of applicants to our graduate program is down somewhat this year, we hope to maintain our present status through active recruiting. If you know of any qualified students, please ask them to consider Miami's graduate program in Geology. As you have undoubtedly noticed, I have included additional literature on graduate programs offered by our Department.

THE ADVENTURES OF EMERITI FACULTY
OR
LIFE AFTER RETIREMENT

As many of you know, the Department has experienced a rapid turnover in faculty in the past eight years. During this time, six respected faculty (Jim Bever, Karl Limper, Wayne Martin, Roy Reinhart, Dave Scottford and Perry Stewart), with a combined total of over 200 years of service to the Department and University, have retired. This year's edition of the Shibboleth (the 36th) is dedicated to these six men.

Some former students have kept in touch with these faculty. For others the contact has been broken. It is hoped, however, that the following update will be of interest to all who benefitted from the learning and wisdom that they imparted. As you may see from the accompanying pictures and the accounts below, all are hale and hearty and seem to be enjoying life to the fullest. Certainly none could be said to be afflicted by the virus of boredom and inactivity that we are led to believe infects many retirees. Can it be that the outdoor life and clean air enjoyed by most geologists sustains this immunity?



Five of the emeriti faculty one bright spring morning on Western Campus. From left to right: Wayne Martin, Jim Bever, Dave Scottford, Karl Limper, and Perry Stewart.



Roy Reinhart on Blueberry Hill! It must have been a good year!

Jim Bever - Jim, like Karl Limper, has kept his "finger" in teaching each Fall Semester since he "retired" in May of 1984; clearly there was no one else as qualified to teach the course he developed on "Gems and Gem Materials." This class has attracted over 100 students each fall -- the word across the campus is that it was a real "gem." Unfortunately, because of a financial shortfall at the college level, the class will not be offered this year.

Taliaferro, Lindsay (B.S., '82) - Lindsay and wife, Paula, sent in a great snapshot of their new addition, Benjamin Lawrence, born March 9, 1988. Quote: "He and we are doing well."

Thompson, John W. (M.S., '80) - "Curly" is still working for Exxon Company, USA, with his new assignment to the Production Geology Group at EDPC. He is getting heavily involved in 19th Century "living history" - specifically 1830-1880 - and planned to be in the 125th Anniversary Gettysburg battle reenactment in June 1988. A second child, son Karl Andrew, was born May 12, 1988

Ulrich, Suzanne Danner (A.B., '81) - Suzanne loves her work as Research Geologist at the Production Research Center for ARCO Oil and Gas Company. Husband, Mark, works for Mobil Oil Corporation. They have a son, born March 1986. Their address is 2020 Branch Hollow, Carrollton, TX 75007, a suburb of Dallas. Suzanne writes that she loves hearing what everyone is doing, and wishes more people would keep in touch through the Shibboleth!

Van Hart, Dirk (M.S., '67) - Dirk reports a layoff from oil business in mid-1986. He used his time constructively in Albuquerque, including trying to establish a geology-oriented business. In March 1988, Dirk planned to begin a one-year (extendable) contract with Conoco, Inc., in their international operations department in Ponca City, Oklahoma and will move family there in June. He states this is an extremely fortunate and perhaps last opportunity to get back into the petroleum exploration business.

Vicarel, David J. (A.B., '81) - Dave reports new jobs for Jennifer and himself with the same company, Goldberg-Zoino & Associates, Incorporated, in Newton, Massachusetts. Their address is: 7 Ferguson Street, #2, Milford, MA 01757.

Wagner, Richard A. (M.S., '74) - Rich enjoys the Shibboleth and maintains contact with others. His address is: Box 53271, Lafayette, LA 70505. His son, Ross, was born in September 1987.

Walter, Jeff S. (B.S., '84) - Jeff reports being very busy with work - science teacher, coach of girls' tennis and boys' basketball, plus class advisor. Summer of 1987 saw visits to Canadian Rockies, Glacier, Yellowstone, Devils Tower, Badlands, and Homestead Gold Mines. His new address is: 491-C Cambridge Court, Lebanon, OH 45036.

Warner, Larry A. (A.B., '37) - Larry retired in December 1981 from the Department of Geological Sciences, University of Colorado-Boulder. He is still an occasional consultant to the Denver Water Department and continues to dabble with research, photography, trout fishing, and gardening.

Weimer, Douglas J. (A.B., '77; M.S., '80) - Douglas is working for Texaco USA, with an additional assignment to do recruiting. A new child, Katie, born January 27, 1987, joins her brothers Kurt, age 2, and Karl, age 4.

Whitacre, Tom (A.B., '73) - Tom reports, via a large, color postcard of Diego Garcia, British Indian Ocean Territories, that he is enjoying (along with fellow graduate - albeit 25 years earlier - Phil Hill) a respite from working on a deep ocean survey vessel for the U.S. Naval Oceanographic Office, out of Mississippi. (Propriety precludes our printing his spelling of this southern state, as well as his vivid descriptions of their recreational activities!)

Whitaker, Kent (M.S., '87) - Kent and wife Cathy joyfully announce the birth of their son, William Ray Whitaker II, on June 9, 1988. He weighed in at a healthy 7 pounds, 10 ounces.

White, Charlene K. (M.S., '88) - Charlene sends in a glowing report from Anchorage. She is working at Standard Alaska Production Company (a branch of British Petroleum), doing wellsite geology at Prudhoe Bay. Quote: "I LOVE IT!!! Alaska is beautiful!" Charlene says she'll let us know of any geologically-oriented job openings.

Jersey is in a hiring mode at the present time - anyone need a job? Paul's address is: 11 Balamor Lane, West Trenton, NJ 08628.

Saines, Marvin (M.S., '66) - Nick is Senior Hydrogeologist in Donohue & Associates' Chicago office. His son, Steve, graduated from Miami in December 1987, at age 22. Son, Rick, age 18, is a freshman at Miami. Both sons are in Mass Communications.

Sale, Tom (A.B., '80) - Tom is still working as a hydrogeologist at Cham Hill. Wife Janice quit her job with Lario Oil & Gas Company in September 1987 to give birth to "our beautiful (gorgeous, one might say) daughter, Jennifer," and is staying domestic for a while.

Schmitt, Clifford T. (B.S., '82) - Cliff is a Staff Hydrogeologist with R.L. Stollar & Associates, Incorporated. He is a ground-water consultant in resource and hazardous waste contamination.

Schneider, Tom (A.B., '79) - Tom is working at the Indiana Department of Environmental Management as a working-group leader, and has enjoyed regulating landfills in Indiana as a geologist. Still single, after changing his mind when engaged in 1986, he enjoys being a Hoosier. He spends a lot of his time fixing up an older house (which he may later try to sell at a profit) near Butler University. Tom mentions other possibilities for his future - teaching, going to Africa as a "semi-missionary, well-driller, geologist, or something like that."

Schwall, Mark A. (A.B., '87) - Mark is a salaried employee in the Quality Control Department of Simpson Paper Company in Excello, Ohio.

Shafer, R. Lee (A.B., '57) - Lee reports that he is still working as Executive Director at Zawawi Trading Company in the Sultanate of Oman.

Shaw, Robert A. (A.B., '69) - Bob is Account Manager for CableTEK, a company which provides computerized billing services to the Cable TV industry. He has lived in Lexington, Kentucky, for the past three years, after coaching swimming at M.U. for ten years.

Shelton, Kevin L. (B.A., '77; B.S., '77) - Upon completion of his Ph.D. at Yale in 1982 and a one-year post-doc, Kevin has been an Assistant Professor of Economic Geology and Stable Isotope Geochemistry at the University of Missouri. Research interests focus on water-rock interactions in nearly any type of geologic situation including: Au-Ag deposits in Korea, Sn-W deposits in the U.S. and Far East, and the reconstruction of fluid flow in the Midcontinent associated with Pb-Zn ore formation. On the home front, he and his wife Lois had a baby boy (Benjamin) on November 23, 1986. Kevin reports that his son's only interest in geology to date is chewing on drill core. Keep him away from the galena, Kevin.

Spencer, Rick D. (A.B., '79) - Rick is finishing a Masters in Environmental Sciences from the Institute of Environmental Sciences at Miami. He reports that after five years as an archaeologist in the west, he got tired of being poor and went back to school. He is currently a staff Project Geologist with T.M. Gates, Inc. in Cincinnati "and having a great time."

Spoley, Robert J. (B.A., '64; M.A., '66) - Bob reports that he has been in the petroleum business since 1966. It has been a difficult time, and he fears it will take 3 to 5 years to turn this "goofy business" around.

Stephenson, Robert C. (A.B., '38) - "Steve" reports that during the summer of 1987, he and his wife, Christie, covered 16,000 miles of North America on a camping trip, revisiting many areas he had gone to on the Sandafur Geology Field Trip of 1936. This time, he gazed into the Grand Canyon, rather than walk across it!

In addition to classroom responsibilities, Jim has also been serving as a "para-professional psychological counselor" at the Oxford Crisis and Referral Center. This, along with the occasional evening lecture to groups on conditions in the world gem market, has filled most of his spare time while in Oxford.

But come January each year, Jim and Ann head westward to San Diego to escape the harsh realities of winter in Oxford. It is easy to understand the reason for the siren call; for their home overlooks the rolling hills of a lush-green golf course and is only a few short miles from the beaches of the Pacific Ocean.

Jim and Ann have also taken time to travel outside the confines of the United States. Their most recent trip was a one-month sojourn to London, England, where they rented a flat with Ted and Harriett Schmitt (A.B., '47). The visit was such a success, they hope to do it again this year.

Karl Limper - As many of you know who have been faithful readers of the Shibboleth, Karl continued his service to the Department for seven years following his "official" retirement in 1981. Indeed it was not until the end of the First Semester of the 1987-1988 academic year that he decided to truly retire and give up the teaching of his course on the Geology of the U.S. National Parks and the editorship of the Shibboleth.

The wisdom of his decision, although made early in the Fall Semester, was emphasized approximately two-thirds of the way through the semester when, "on a bright, sunny Sunday morning, Karl was air-lifted by helicopter to the Cincinnati Christ Hospital. The cause of such speedy travel was a heart attack." Although the recovery and convalescence were slower than he would have liked, he returned home at Christmas and has only returned for a stay of several days this Spring for the installation of a pacemaker - those wondrous little devices which tell the heart when to contract. Karl reports, however, that he has had to abandon his culinary expertise using the microwave oven because of this implanted electrical device. In addition, when "he yawns or sneezes in front of the T.V., the channel jumps from station to station - a substitute for a remote control." Talk about an electrifying personality!

With rehabilitation going nicely, Karl and Louise are planning a cruise along the Atlantic Coast, from New York to the Maritime Province of Canada, up the St. Lawrence Seaway, and ending in Montreal to celebrate their third wedding anniversary. Other less ambitious trips this year have included a visit to Lexington to review the horses at Keeneland and a partial week's sojourn to Chicago. Here the Limpers "visited the Art Institute, observed some of the architectural phenomena of this megalopolis, looked again at the bold limestone blocks lining the Chicago lakefront and finally stepped out on the grass-surfaced ground of the old Alma Pater." He notes that "the University of Chicago used to be called Alma Mater by some, but under present circumstances, it is necessary that we call it Alma Pater."

Wayne Martin - Two years have passed since Wayne and Helen retired from teaching. Although he may claim to have officially retired, he still maintains an active professional career. For example, he and Helen traveled to San Antonio for the 1986 G.S.A meeting, and attended the AAPG-SEPM meetings 1988. He has also presented two papers at professional meetings (one coauthored with Kent Whitaker and the second with Chip Betz) and has presented seminars at several colleges and universities. In addition, four of Wayne's students have completed their theses in the last two years (Paul Rotondi, Susan Sutherland-Gevedon, Kent Whitaker and Mark Kochan), and he has worked on the Department's sedimentary rock collection, cataloging approximately 100 new specimens and replacing worn-out sections. Perhaps one of his greatest joys, however, has been field trips with Mark Boardman, Karl Mertz and graduate students to Kentucky, trips sponsored by the Geological Society of Kentucky, and attendance at the annual Ohio Sedimentology meetings. Attendance at both national and more local meetings has provided the opportunity to greet and chat

with many former students, including large numbers of persons who were enrolled in the field course. Although the names may not be readily recalled, partly because of hair loss, beard growth or weight gain (in the case of the males), it is always a pleasure to renew old friendships.

But all has not been work since retirement. He and Helen continue to travel to Dubois each summer (indeed, local residents have been heard to comment that Dubois and the Mission Capistrano have much in common) where they especially enjoy the fishing in the high lakes and streams. This summer, he plans to conduct additional field work in Wyoming with Bob McWilliams and Mark Kochan (M.S., '87) on the Burnt Gulch Formation, a Plio-Pleistocene tectonic arkose. When not traveling, Wayne has found great pleasure in working in his woodworking shop and puttering in the garden. Future travel plans call for continued visits to the western United States and Canada and perhaps even to Alaska.

Roy Reinhart - Before retirement Roy was warned "in six months you will have fixed everything in your house and there won't be anything left to do." His advice is to retire before you are twenty years old so you will have time to accomplish a part of the myriad of things you want to do. Yes, the house was updated and a large amount of antique furniture was refinished. In other activities a large paper on the mammalian order Desmostylion is being coauthored with Daryl Domming at the U.S. National Museum. Betty and Roy have worked diligently with, and contributed to, the Miami University Museum, the Warren County Museum in Lebanon, the Cincinnati Natural History Museum, the U.S. National Museum, and the Lane Library in Oxford.

On the business front, Roy was busy and brilliant dealing in stocks and bonds until the crash in October 1987. After that he was not so brilliant. Another time consumer has been work with his grandfather's Cincinnati building supply company which was founded in 1875. In a divergent vein, when contacted by drillers he has provided advice on the drilling of water wells throughout southwest Ohio.

Life, however, has not been all work. Betty and Roy own a modest cabin, boat house and accoutrements on an island in the boon docks of Canada and this accounts for much of their summer life. Why do people think they are having fun, as mosquitos bite? Perhaps it is offset by picking gallons of blueberries (as proven by the accompanying photograph), red raspberries, cranberries, mushrooms, and by fishing. Fish in their lake are so big that they would sink a boat if brought aboard. Their cabin is on Big Bear Island which is well named. Other observable creatures are beaver, porcupines, a rare bobcat, deer, moose, grouse and a great variety of ducks. In the winter, they usually manage a brief sojourn to Sanibel Island, Florida.

Dave Scotford - Although Dave has been retired for only a year, his life has been full of new challenges and adventures. The following narrative reflects this sense of excitement:

The Emeritus Prof who Ran Away to Sea

Why would a land-locked retired professor want to go to sea? Because it is there? Because he has to get out of town? Because he's a romantic? Because he's a masochist? I don't know. Last Fall I had no boat and no crew, just the prospect of another Winter in Oxford and an urge to be elsewhere. In November, I bought the boat, a 39-foot ketch, in Ft. Lauderdale and attended to her many needs through several round trips from Oxford. Finding crew for winter cruising when most people are looking after the necessity of making a living is not easy. The first cruise in December was to the Florida Keys with the broker who sold me the boat, some friends of his, and a willing but inexperienced crewperson from Oxford. After Christmas my forester daughter and her fiance crewed on another short trip to the Keys. I was then ready for the big one - across the Gulf Stream to the Bahamas for the Winter.

O'Donnell, Veronica Wancha (B.S., '73) - Roni is still consulting in hydrogeology in the Philadelphia area, and continuing her M.S. work in Engineering Geology at Drexel University. Her daughter, Allison, born in July 1987, joins her three-year-old brother, Benjamin.

Orndorff, Harold A. (M.S., '80) - Treasuring very fond memories of Miami, Hank has been truly busy since leaving Oxford. He is now Senior Geological Engineer for Shell Western Exploration and Production, out of Bakersfield, California, where he is "extremely happy" living with his spouse, Cheryl, and two sons, ages six and two. (In addition, Hank, who was born mid-November 1987?). Prior to his present career commitment, Hank has been involved in numerous research, coordinating, and interpretative assignments.

Paxson, Kevin B. (A.B., '78; M.S., '85) - Kevin has been with Texaco, in New Orleans, since November 1982. He is now a development geologist, working on producing properties in the offshore-Texas area of the Gulf of Mexico. He married Julia A. Taylor in Dayton, Ohio, in November 1984, and they are parents of a daughter, Elizabeth Boyd Paxson, born May 29, 1986. He reports of numerous other Miamians with Texaco, in New Orleans, and states all are doing well.

Porter, Jeffrey P. (A.B., '79) - Beginning in November 1987, Jeff became Transportation and Exchange Analyst for Access Energy Corporation of Houston. The company transports natural gas in pipelines and is a marketer to industries and utilities. Indeed, Miami University and Oxford Natural Gas are customers! Jeff was married to Carol Heitz in August 1987, at the foot of Helen Hunt Falls in North Cheyenne Canyon, Colorado Springs. It must have been a most picturesque setting. He remains in touch with fellow Miamians.

Rambo, Dan (A.B., '80; M.S., '83) - Dan and Bev continue to work for Miami University. Their daughter, Chelsea Nicole, was born on March 13, 1987.

Reddin, Nancy J. (M.S., '81) - "Stanley" sends greetings to Drs. Limper and Grant, and Alice, with a special message to Dr. Baldwin that she sure is glad she took ground water. She sends us her card, evidencing her new job as geologist, as of October 23, 1987, with the State of Colorado, Department of Health, Hazardous Materials and Waste Management Division.

Rike, William M. (A.B., '69; M.S., '73) - Bill continues in the business of providing professional petroleum services as a geologic consultant. This is strong endorsement of his professional skills, given the depressed condition of the petroleum industry. He recently moved his office to 576 Charring Cross Road in Westerville, Ohio.

Robertson, Philip M. (A.B., '47) - Philip reports a change of address: 5910 Orchid Lane, Dallas TX 75230-4026.

Roehll, John C. (A.B., '81) - John has transferred to San Antonio from Houston with UPS Truck Leasing, and is presently employed as an account manager. He states he is a far cry from geology but successful nonetheless. He sends greetings to everyone and wonders where Susie Danver and Bill West are now. John's wife, Mindy, is employed as an area manager with No-Nonsense Fashions, Inc. Their telephone number is (512) 494-6354.

Ropp, Peter A. (A.B., '79) - Peter is a Vocational Counselor with a small private company, handling workers compensation for Montana. He is enjoying life, and "the geology too," in the Rockies - kayaking, biking, and hiking. His address is: 1313 River Street, Missoula, MT 59801.

Rotondi, Paul (M.S., '86) - Paul has moved east from the Lone Star State to assume a new job with the New Jersey Department of Environmental Protection. He is helping to write medical regulations for the State, as well as being involved in work relating to solid waste management. He reports that New

Martin and Bob Mauer. If anyone reading this issue is a ham operator, Larry's call number is DE WDSDBR.

Lillie, John T. (A.B., '72) - John married Candy Anne Fast on November 30, 1985. He just finished his first six months at the New England Culinary Institute and now begins a six-month internship. Quite a change in career goals! John and Candy reside in Montpelier, Vermont.

Lutz, Delbert H. (A.B., '49; M.S., '53) - Del retired from Mobil Oil on January 1, 1988, after 34 years of service. He plans to remain in Dallas.

Maher, Thomas M. (M.S., '81) - Tom is currently working in southern Oklahoma, searching for oil and gas for Apache Corporation. Prior work commitments were with Texaco in Denver and in the South China Sea. He and his wife, Maria, have a daughter, Allison, now three years old.

Maynard, J. Stephen (A.B., '79) - Steve is a lieutenant in the U.S. Navy, out of Norfolk, Virginia. He has a wife, Diane, six-year-old daughter, Julie, and two-year-old son, Stephen.

McAloon, Anthony J. (B.A., '78) - Tony is a Marketing Supervisor. He reports making his sixth trip back to Dubois, Wyoming and the Miami Field Station, packing up Torrey Canyon to Ross Lake. "I'll never stop," says he!

Mellott, Mark G. (M.S., '87) - Mark is currently working as an Environmentalist in Port Jefferson, New York.

Mennecke, Brian E. (M.A., '88; M.B.A., '85) - Brian is Senior Geologist Project Manager with Envirofact. He is living in Pembroke Pines, Florida, with his wife, Joyce, and daughter, Britta Lynn.

Miller, James E. (M.S., '76) - Jim joined Amoco Corporation in Tulsa as a geohydrologist in their Groundwater Management Section. Being responsible for groundwater cleanup and monitoring in the eastern half of the country, he is building up frequent flier points fast. In his opinion, this is a definite improvement over the oil business.

Mitchell, Jon E. (A.B., '85) - "Mitch" has moved to a new company, CDS Associates, Engineers, "a top-20 Cincinnati engineering firm." He is a Senior Engineering and Surveying Technician and is working towards his engineer certification. His wife Kathy and he have just purchased their first home in Mason, Ohio.

Moore, David L. (B.S., '76) - Dave was just promoted to major in the U.S. Air Force and is currently working Headquarter Military Airlift Command, flying the C-21A, (military version of the Learjet 35).

Morrow, David L. (A.B., '48; M.S., '49) - Quote: "Retired. Don't tell anyone what I've been doing!"

Neal, Thomas C. (B.S., '83) - Thomas is a lieutenant in the U.S. Navy, serving as the Fire Control Officer aboard the U.S.S. Horne, out of San Diego.

Nielsen, David M. (B.A., '74) - Dave continues his professional career as a hydrogeologist working primarily on ground-water pollution problems. He and Dwight Baldwin recently had a chance to discuss ground-water problems at a DOE plant where both have been doing some consulting work. Dave is now an Associate with Blasland, Bouck & Lee, an environmental consulting firm with an office in Westerville, Ohio.

Norton, Melinda R. (A.B., '85) - Mindy is halfway through the M.B.A. program at the University of Houston, and working part-time for Petrophysics, Inc., a small exploration computing services company. Quote: "Getting laid off in mid-1986 certainly put a kink in my original plans!"

My Oxford crewperson and a young (29) Frenchman who was spending his life sailing on other people's sailboats, joined me and we left Miami at midnight for Gun Key in the Bimini Chain. The night crossing of the Stream is necessary because a daylight landfall is required. As we went out the Miami Harbor entrance, bucking seven foot seas, a large cruise ship was coming in. As we passed beside the towering hull of the ship and came under her many lights, we heard a roar of cheers from the hundreds of celebrating passengers who found our departure worth their encouragement. It was only a moderately rough night (only one of us got sick) with a full moon and a Gun Key landfall on schedule in the morning. We slept that day and night and continued east across the Great Bahama Bank the next day. The sailing was so good that we continued all the way to Nassau, getting there at 4:00 a.m.

Nassau is the starting place for cruising the Exuma Chain, a 90-mile-long archipelago of hundreds of small islands. Our plan was to reach Georgetown on Great Exuma Cay at the southeastern terminus of the Exuma Chain. We did this by sailing during the day to one of the hundreds of anchorages among the islands of the Chain and anchoring for the night, or as long as our interest lasted or the weather required. We swam, snorkled, read, and explored the islands with our dinghy. Most of the anchorages were quite beautiful, with water of many shades of blue to green to light purple against white beaches. Sometimes we were alone and other times other sailboats (there were almost no power boats) were anchored near by. The crews on these boats became a moving and evolving circle of friends sharing experiences and cocktails.

It wasn't always as idyllic as the above would suggest. There were some days of high winds when cold fronts passed. I became familiar with the care and repair of marine diesel engines and refrigeration systems and we went aground more than once. But these things are what sea stories are made of and are part of the cruising experience.

At the end of April we sailed back to Ft. Lauderdale, where the boat is stored in a shipyard until next winter, and I'm back in Oxford where I'll be working on a publication on the structure of the Gros Ventre Mountains and other projects until it's time to go to sea again.

Perry Stewart - Nelle and Perry are still enjoying retirement to the fullest. "It is nice to take off for a few days, even in the middle of the week. It is also sometimes good to stay home, especially when the winds blow." Fortunately, however, the winds do not blow all the time.

The Stewarts have done their fair share of traveling since retirement. Up until this past year, they spent the winter months in Florida enjoying the warmth and baseball's spring-training season. Perhaps the mild winters we have experienced in Oxford the last couple years have kept them close to home. In any case, they "had the fireplace checked, ordered a big load of wood and settled down to enjoy whatever Winter 1987 had to offer." But even these concrete plans soon evaporated, for they were called away for a month in mid-February to care for their daughter Debbie who underwent surgery. Spring saw them heading south via Memphis, Tennessee; Vicksburg and Natchez, Mississippi; Baton Rouge and Lake Charles, Louisiana; and San Antonio, Texas. Here they had the lunch on the River Walk with Roberta and Walt Coppinger, who is teaching at Trinity College.

On a personal and sad note, both Nelle's and Perry's mothers died this past year - both at the age of 91. Both lived in their own homes and were mentally alert to the end.

Professionally, Perry notes that the latest and probably his last interpretation of the glacial stratigraphy of Doty's Highbank was published in the Geological Society of America Centennial Field Guide - North Central Section. The report was coauthored by Barry Miller of Kent State who did the paleontology of the terrestrial snail fauna. In addition, Perry taught a week of glacial geology to Larry Mayer's Geomorphology class this Spring. He reports: "I was surprised how much I could still take off the top of my head."

FACULTY AND STAFF NEWS

Dwight Baldwin - The 1987-1988 year was a one of transition. As many of you know, he stepped down as chair as of July 1, 1987, to return to being a full-time faculty member without official administrative responsibilities. The transition has been a smooth one with both its positive and negative aspects. For example, he gladly relinquished into Maryellen Cameron's able hands the large amount of paper shuffling and endless meetings which befall the departmental chair. On the other hand, it is a different feeling not being at the center of departmental activity and decision making. It is clear, however, that the Department has benefited greatly from the new insights and administrative skills that Maryellen has brought to the job. As you may have guessed by this juncture, Dwight has also assumed the editorship of the *Shibboleth*.

The big news in his professional life for this year was the receipt of a Faculty Improvement Grant for the Second Semester of the 1988-1989 academic year. Barbara and he shall spend this time in Tucson, Arizona, where he will be developing new research and teaching directions in water resources.

Mark Boardman - Mark continued his research and teaching activities in the Bahamas, which included the completion of two masters' theses (Rick McCartney and Cliff Schmitt), an independent research project (Karen Mohr), and several presentations at national meetings with students (Brannon Andersen and Zak Lasemi), as well as a presentation on carbonate sand dunes. A research paper on coastal erosion of limestone coastlines, coauthored with Tom Donn (graduate, 1986), will be published in Volume 3 of the *Journal of Coastal Research*. Last year, his two-week course in the Bahamas attracted 28 participants and was a great success. Two paleontologists from the University of Cincinnati (Dave Meyer and Arnie Miller) and a sedimentary petrologist from Wright State (Cindy Carney) made the trip an unmatched success. This year, he is limiting the course to 25 participants and plans to add a group research project. The course will overlap with the 4th Symposium on the Geology of Bahamas in which Mark and several students (Brannon Andersen, Norman Colby, and Paul Bergstrand) will present results of their research on lagoon sedimentation and island evolution.

Mark continues to teach courses in Oceanography and Geochemistry and has added Geology of National Parks to his repertoire. Noticeable changes might include the fact that he has moved his office and he continues to add gray hair to his beard.

Last year, Mark and family vacationed on the Yucatan Peninsula, Mexico, and this year he will head to San Salvador so Treva, Jeremy and Jessica can see where "Daddy" goes in the Bahamas.

Kevin D. Crowley - Kevin was appointed adjunct associate professor in geology this spring. He earned his Ph.D. at Princeton University in 1982, and has held positions with the U.S. Geological Survey (Hydrologist) and the University of Oklahoma (Assistant Professor). Not incidentally, he is also married to the chair, Maryellen Cameron.

Kevin's efforts in the department will be directed primarily toward research focusing on the formation and evolution of continental crust from a physical and, to a lesser extent, a chemical point of view. His current research addresses the formation and evolution of sedimentary basins on continental crust, mechanisms of regional uplift of continental crust and the consequent development of regional-scale "landscapes," and radioelement distributions and heat flow in continental crust. As part of this effort, Kevin has established a fission-track dating laboratory in the department. Although he has no formal teaching duties, Kevin will be a valuable resource and collaborator for both faculty and students in geology.

Hildebrant, Hugh D. (B.S., '56) - Hugh is the newly-appointed Executive Director, Affiliate Societies Council of Dayton and is very active with the Engineering and Science Hall of Fame. Hugh completed a 10,000 mile swing through western Canada and the U.S. last summer. His daughter Kristin is in the OSU Law School and son Kurt is an Electronic Warfare Engineer in Dayton.

Hill, Phil (A.B., '58) - Coincidence resulted in Phil ('58) ending up working with Tom Whitacre ('83) for the U.S. Naval Oceanographic Office, out of Mississippi. Avoiding sharks goes with the territory on their deep-ocean survey vessel.

Hinkley, Everett & Sandy (M.S., '84) - Everett reports they are now living in St. Louis, Missouri.

Hoff, John A. (A.B., '81; M.S., '84) - John is working on his Ph.D. at Stony Brook where he has taken on the position of Lab Chief of the Mass Spec Lab. John will be married on October 29, 1988, to Lynn Hanson (a close relative of Gil Hanson).

Homan, Joseph V. (B.S., '83) - Joe is living in Centerville, Ohio, and currently working as a Staff Scientist/Analyst with Quest Research Corporation (QRC). He is attending Wright State University part time with plans to receive an MBA in Logistics Management around 1990.

Hunter, Gerhart E. (M.S., '84) - Gerhart is an Exploration Geologist for Tenneco Oil in Lafayette, Louisiana. He is the proud father of a baby boy - Matthew Gerhart Hunter -born February 1, 1987.

Johnson, Kathleen E. (A.B., '82) - Kathleen received her M.S. from Southern Methodist University in 1986 and is currently working on her Ph.D. at Northwestern University. She is studying magma chamber processes along the East Pacific Rise.

Jones, Thomas Z. (Ph.D., '76) - Tom is Vice President for Academic Affairs, West Virginia Institute of Technology, Montgomery, West Virginia. Most of his time is spent addressing administrative matters; however, he still manages to teach one upper division/graduate course in Engineering Geology per year. Tom remains active as a Consultant.

Kearns, Wynn H. (A.B., '85) - Wynn spent the summer of 1987 working on his thesis in central Utah's Wasatch Plateau. The topic involves the mica peridotite dikes that interfere with coal mining there.

Kelley, Michael W. (A.B., '85) - Michael received a M.S. in May 1988 from Eastern Kentucky University. He married Pamela Ann Kemper of New Carlisle, Ohio, on January 16, 1988. He has been doing stratigraphic and hydrologic research in Kentucky, including Mammoth Cave National Park.

Knupke, James A. (A.B., '52; M.S., '53) - Jim is a partner in REGO Development Co., Inc., which is engaged in exploration for and production of oil and gas in south Texas. The company develops prospects and drills them with money from private investors.

Lambert, Robert A. (M.S., '69) - Bob lives in Eastland, Texas, where he is Chief Geologist with Expanding Energy Corporation. He is currently working the Bend Arch area of North Central Texas.

Landis (Wegert), Emily S. (A.B., '79) - Emily has been working in the Microanalysis Group, Gas & Particulate Science Division, National Bureau of Standards, since September 1986. She anticipates completing her degree at the University of Maryland sometime in 1988.

Levy, Lawrence S. (A.B., '73) - Larry is living in Houston and, like so many others, has been a casualty of the turndown in the petroleum industry. (Anyone know of a job opening for a geologist? If so, Larry would appreciate the lead. His address is 5710 Valkeith Drive, Houston, TX 77096.) He reports seeing many M.U. graduates at the recent AAPG meeting and particularly enjoyed his lunch with Wayne

Edwards, Lawrence K. (A.B., '40) - Larry retired from NASA in early 1987. He is the President of a new corporation, FUTREX, which does work in the field of mass transit. Larry states that one of his fondest memories was a 6-week field trip in 1939.

Evans, Lawrence A. (A.B., '84) - Following a move north to Michigan this spring, Larry reports two happy milestones in his life. First, he found a job with a drilling company, taking soil samples and installing monitoring wells, etc.; much of his work has been involved with the monitoring of leaking underground storage tanks. But even more exciting was his marriage late this spring.

Eyler, David A. (A.B., '81) - "Spudd" married Allison Clendenen of Hobbs, New Mexico, on August 31, 1985, and they have a daughter, Molly, born June 19, 1987. He is an Exploration Geologist directing activities in West Texas and New Mexico and was formerly with Atlas. Allison works for Southwest Airlines and has a B.S. from SFASU, 1984.

Fell, T. Shawn (A.B., '79; M.S., '85) - Shawn majored in Science Education and is teaching and going to school.

Foley, Jeffrey A. (B.S., '83) - Jeff received a M.S. from Virginia Tech in April 1986. He is presently living in Mesa, Arizona, and working on a Ph.D. in solid state chemistry at ASU, but states that he is still a mineralogist at heart.

Frye, Mark W. (A.B., '76) - Mark is "alive and well" in Morrison, Colorado. He is still working the regional geology of the Basin and Range Province. In Dubois last fall, he enjoyed seeing that Timberline Ranch was essentially unchanged. He likes Colorado - winter skiing and climbing "fourteeners."

Giuseffi, David (M.S., '82) - David and his wife, Lisa, are living in Pacifica, California, where they have bought a house on the coast and announced the arrival of a new baby boy. His name is Nicholas Mark. Their first son, David Jerome, is now 2-1/2 years old!

Goist, Timothy O. (A.B., '86) - Tim is a Graduate Assistant at the University of Georgia. He has just completed field work in northeastern Brazil where he is studying granites for his Master's thesis. Tim says hello to all the "Boudins"!

Harris-Noel, Ann (M.S., '58) - Ann is the Editor of GAEA, a publication of the Association for Women Geoscientists, and a consultant to Ohio Fair Plan (which provides information on abandoned deep mines for Mine Subsidence Insurance). She is in her 26th year of teaching full time at Youngstown State University.

Helland, G. William (A.B., '80) - Bill is currently installing a new telecommunications network for the entire University of Cincinnati. He is Staff Manager and Telecommunications Engineer at Fishel Technologies in Columbus, Ohio.

Helman, Ron P. (B.A., '55; M.S., '57) - Ron was appointed Vice President for Advancement at Michigan Tech University on September 1, 1987. His first grandchild was born on July 2, 1987, to daughter Betsy and her husband, Jack Buckner (both Miami graduates).

Herbert, Frank J. (A.B., '52; M.S., '58) - Frank has opened up a new business after retiring from NASA in 1985. He is now the President of H & H Inspections, Inc., which inspects homes for buyers and sellers. He is very excited about being the grandfather of five grandchildren!

Hershey, Lloyd A. (A.B., '55) - Lloyd is a Well Drilling Inspector for the Department of Natural Resources and is based in Denver, Colorado. His daughter is living in Saudi Arabia, and he is looking forward to the arrival of his sixth grandchild!

Norman Grant - In the past year Norman has become quite deeply involved in introductory teaching, and now presents sections of GLG-111 in both the Fall and Spring semesters. A large part of his interest is directed toward overcoming the "information transfer" method of teaching at this level (and other levels!) and the associated methods of testing, and has experimented with providing opportunities for the more direct participation of students in the course material. One approach has been to take students on three weekend walks in and around the Four Mile Creek valley, and then to require them to present a project which recreates what they have seen. To emphasize student participation (in a literal sense, rather than just an intellectual sense) the project may not be based on library research, but should represent some balance between an objective description of the landscape and geology (the outer landscape) and students' reactions to what they saw (the inner landscape). There is no set form for a perfect project, and it can be conveyed with prose, poetry, short stories, photography, sculpture, painting and sketching. What Norman discovered was the impressive range of talent which students in GLG-111 bring to class, talent which in conventional terms lies outside geology, but which can be applied to geology in sometimes breathtaking manner. Students appear to have enjoyed this extra requirement (none dropped the class when invited to do so at the beginning of the semester). They commented that the walks brought many aspects of the class to life, and that the simple act of walking together (once with a -20°F wind-chill factor) brought a social cohesiveness to the class. Norman is presently exploring with Dwight Baldwin how this approach to local landscapes and geology could be developed through seismic reflection techniques into a quantitative exploration of the deep but buried bedrock valleys which are so important in Butler County. This would be a new step for the department, and one requiring new and substantial outside funding.

The geochemical and isotopic facilities have benefitted greatly this year from the efforts of Tom Musselman and Bill Hart. The DC plasma spectrometer has been in routine operation for the analysis of major and trace elements in silicate rocks, carbonate and ground waters. The diverse use of the DCP by all sections of the Department is reflected by the completion of over 1,000 analyses in the last six months, with 60% of these being carbonate and ground water samples. More development work by Tom, Bill and graduate students will lead to methods for the determination of rare-earth elements being established.

The mass spectrometer recently returned to operation when the first isotopic analysis was completed with a new Hewlett-Packard scientific computer with completely new software, and a new ion collector. Our experiences over the past year with the new collector, and the extraordinary delays in completing the refurbishment of the geochemistry laboratories, make fact stranger than fiction, but we think we have pulled everything together and can look forward to a substantial period of productive work.

Norman's work continues in the Adirondacks, though little of this surfaced this year either in conferences or in publications. Three current doctoral students are investigating different mylonitic fault zones in the Adirondack Highlands and Lowlands, and a new doctoral student joining the Department next year will expand on the work which John Hoff began a few years ago when he studied the variations in $^{87}\text{Sr}/^{86}\text{Sr}$ ratios and trace elements in Grenville marbles.

Bill Hart - Bill reports that this year has been busy and productive. Starting in May, travel was the order of business. Bill and Judi spent two weeks in the Hawaiian Islands hiking, beaching, and attending the Fourth Columbia River Basalt Symposium (two abstracts presented). Most of June and July were spent in the field working on funded research projects in the Utah-Nevada Basin and Range region (with R. Carlson, Carnegie Institution) and in the California-Oregon Cascades (with J. Hughes and M.S. students). Of course, a side trip to Mount St. Helens was an absolute necessity! June and July also saw papers summarizing aspects of the ongoing research of Bill and his coworkers in the western United States and Ethiopia reach press in the Journal of Geophysical Research, the Journal of Volcanology and Geothermal Research, and Contributions to Mineralogy and Petrology.

The fall and spring semesters were filled with teaching, graduate student supervision, presentations at national meetings (GSA and AGU, including M.S. students Stephanie Mosher and Mark Mellott), and continued work in the mass spectrometer and DCP laboratories. With the help of graduate students Jeanne Cooper and Jeremy Mitchell, Bill completely revised the igneous and metamorphic portions of Petrography, including major additions to the laboratories and to the "hard rock" teaching collectins in general. Thanks to the efforts of Tom Musselman and Bill, the DCP finally came on-line in January and is now capable of routine major and trace element analyses of silicate and carbonate rocks and aqueous solutions. Bill, Tom, and Norman Grant continued to battle the delays associated with renovations of the isotope geochemistry laboratory and the mass spectrometer, but are happy to report that light can be seen at the end of the tunnel! As of April, the University had finally completed physical renovations and it looks like summer will bring rebirth of isotopic work after nearly a two-year hiatus.

Bill is looking forward to the upcoming year when he anticipates graduation of five M.S. students and presentation of their thesis results at national and regional meetings, continued research in the western United States (including a new Ph.D. student) and East Africa, development of new geochemical techniques, and last, but certainly not least, acquisition of data from the new and renovated geochemical facilities.

John M. Hughes - It has been a busy year. Last summer (1987) John spent three weeks in the Cascades with Bill Hart and Larry Mayer on their Ohio Board of Regents' grant. He found it delightful to get back to an area that he had worked in twelve years previously; he could even still climb the small peaks!

The results of several theses were published this year. Sarah Starkey's work on lyonsite was published in *American Mineralogist*. Barb Christian's thesis on mcbirneyite appeared in a special volume of *Journal of Volcanology and Geothermal Research*. You may recognize the name of one of our coauthors on that paper, Larry Finger. With his colleagues at the Geophysical Laboratory, Larry first solved the crystal structure of the new high-temperature superconductor. Peter Mazzone's thesis work with Norman Grant and John was published in *Contributions to Mineralogy and Petrology*. Peter's work has made quite a splash, and a second paper on another portion of the work will soon be published, with Peter and Norman as authors. Not to be outdone by his prolific students, John published a paper detailing the atomic arrangement of howarddevansite in *American Mineralogist*.

John is currently working with Yongshan Dai on the crystal structures of the lead apatites. This work has led to collaborative efforts with Maryellen Cameron and Kevin Crowley on the crystal chemistry of the apatite minerals. Much work needs to be done on the minerals, and surprising results are forthcoming.

John continues to teach and enjoy the regular complement of classes. He figures that he has been here long enough so that more than a few alumni may remember him (seven years - arrgh!). He remembers you all and requests that you please drop in or send a card to let him know what you are up to.

Joe Marak - Joe continues to develop the museum collections and to upgrade and expand upon the exhibits on display. As may be seen below, activities in the Karl E. Limper Museum have been many and varied.

The computer cataloging program was temporarily discontinued this year in order to upgrade the quality of the display facility. Some new specimens are being added, old ones cleaned, and new labeling is being generated. Previous labeling was utilitarian at best, and intended for our faculty and our students. New labeling is being composed which is intended to be meaningful to other visitors also. It is interesting to me to see so many of your names listed as the donor of these specimens.

Brown, G. Allan (B.A., '77) - Al has moved into a new condo in Newtown, Pennsylvania. For the past six years he has been working as a hydrogeologist for USGS in the state of New Jersey.

Buschur, James P. (B.A., '77) - Jim and his wife Genny are thrilled with their new son, William, born August 8, 1987. They are presently living in Lexington, Kentucky.

Butler, John C. (B.A., '63; M.A., '65; Ph.D., '68) - John continues to teach and be an administrator at the University of Houston. He became Associate Dean at the college in January and moved up to the Deanship in May. He must have done something right!

Butler, Robert C. (B.A., '78) - Bob married his wife Rita in August 1985. He is working toward a Master's degree in Computer Science at the University of Louisville Speed Technology School. He is also starting a business on the side for "Energy Saving Systems".

Carpenter, Tom W. (B.A., '74; M.S., '76) - Tom has just been transferred to Ashland, Kentucky, from Houston, Texas. He is Ashland's Exploration Manager, Eastern Region and happy to be back in the area.

Cavender, Jay M. (A.B., '82) - The Cavenders recently bought a home in Columbus, Ohio, and have been very busy moving.

Chinmey, Pete (M.S., '77) - Pete has recently been promoted to Senior Geologist at Chevron and lives in Littleton, Colorado. He recently celebrated 10 years of service with Chevron.

Coyle, Leslie Parkerson (A.B., '77) - Leslie is an environmental educator at Northwest Park in Windsor, Connecticut. She would love to have some fossils from M.U.G.S. and wonders if they have ever considered marketing fossils as a "fund raiser."

Crawford, C. Mark (B.S., '74; M.S., '77) - Mark has been a Consulting Geologist at T.A. Manhart since 1983. He and his family are thoroughly enjoying themselves in Oklahoma.

Dalton, Mike & Sarah (B.S., '72) - Mike is the Assistant Chief of the Emergency Response section of the Ohio EPA and is now "required" (to his horror) to trade in his jeans for suits. Sarah is an Interpretive Naturalist at Blendon Woods Metropark (one of 10 sites of the Metroparks of Columbus and Franklin County) in Ohio.

DeWys, E. Christian (A.B., '50; M.A., '51) - Christian has been trying to get in touch with her former classmates and would love to hear from them. She is still taking courses at one of the local colleges in Houston, Texas.

Dickas, Albert B. (B.A., '55; M.S., '56) - Albert undertook marriage for the second time, saying "I do" to Dr. Mary Jane Sullivan, and says he's still "a dedicated geologist!"

Dirksen, Howard R. (B.S.Ed., '66) - Howie has been married 18 years now and has two children, Alex (14) and Ann (11). He is a teacher at Greenhills High School and was recently elected to the City Council of Fairfield, Ohio.

Eager, Martha Cody (B.A., '52; M.S., '53) - Marty writes that she and her husband are both self-employed and are trying to develop business in Austin so they can spend more time at their house on Lake Travis; they still have a townhouse in Houston. Until then they are on the road a lot between the two. She reports that, with the oil bust, the economy in Texas has been terrible but she hopes things are beginning to recover this year. They often see Mary Magaw Hall (B.A., '50; M.A., '51) in Austin.

IN MEMORIAM

Michele L. Risser (A.B., '74) died at the age of 35 on June 25, 1987, after a 3-month struggle with cancer. Following her graduation, she went to work for the Ohio Geological Survey where she assumed responsibility for producing top-of-rock and drift-thickness maps for seven counties, as well as sand-and-gravel reports for four northeastern Ohio counties.

Michele left the Survey in 1982 to pursue a nursing degree at the Mount Carmel Hospital School of Nursing and, at the time of her death, was a registered nurse at Riverside Methodist Hospital in Columbus.

ALUMNI NEWS

Many thanks to everyone (more than 90 of you) who responded to last year's request for information concerning highlights of the 1987-88 year. The goal for next year's edition is to receive over 100 responses! Incidentally, if you would like the current address of an old friend, please get in touch with us. We would be pleased to provide the most current information on file in the Department.

Altamura, Robert J. - Bob is teaching undergraduate geology at Connecticut State University. His research interests include applications of isotope geochronology to geological problems. He recently took a pleasure trip to the Yucatan peninsula to see the Mayan ruins. He also plays a lot of "squash", but misses the 4-wall volleyball at Miami.

Bamberger, Mark J. (B.A., '84) - Mark completed his second year of Ph.D. work and then decided to get a "real" job in the environmental-geology arena. The exciting news in his life recently, however, was the recent announcement of his engagement to former Miamian Beth Weatherbie (B.S. '87). His address is 42 Vermont Avenue, Wyoming, OH 45215, telephone (513) 761-7612.

Bersticker, Albert C. (A.B., '56; M.S., '58) - Al is the President and C.O.O. of the Ferro Corporation. His daughter Karen is a 1988 Miami graduate and is married to Phil Taylor who is a professional golfer. Another daughter, Sue, is a Doctor in Medicine (June, 1988) and works at the Cleveland Clinic. His son Steve, has a Doctor of Laws Degree. Al and his wife, Fran, are moving to a new home in Hunting Valley, Ohio.

Beskid, Nicholas J. (M.S., '71) - Nick is the Program Coordinator/Manager Remedial Action Projects at Argonne National Laboratory in Illinois. He is working on environmental aspects of hazardous and low level radioactive wastes. His wife, Judy, and sons, Chris and Philip, are doing well.

Betz, Christopher E. (A.B., '80; M.S., '84) - Chip married Lou Ann Perry from Friendswood, Texas, on October 10, 1987. He is still working as an Exploration Geologist for Tenneco in Houston.

Blackhall, Raymond N. (M.S., '74) - Ray and Sally are the proud parents of a son, Colin Andrew, born January 19, 1987. Ray and his business partner have two oil wells drilled in Texas and 20 more on the books when the economic conditions in the oil patch improve.

Boone, Richard & Jeanne Elliott (A.B., '79) - Rick and Jeanne have a two-year old son and are now living in Cincinnati where Rick is an engineer. He is working with Miamians Joanne Mitock and Lisa Denton.

Bratton, David P. (B.S., '83) - David is now a Flavor Chemist at Fries & Fries in Cincinnati, Ohio.

Approximately 400 children from area schools and youth organizations visited the museum this year, and The Baldwin-Wallace Zoology class traveled down to view the invertebrate fossil exhibits. The museum was pleased to participate in two department programs developed for area Earth Sciences classes. Bob Ramsey's (72) students from Little Miami High, and Larry Duffy's class from Lakota High School.

A new museum committee was formed this year. Members are Dr. Maryellen Cameron, Dr. Karl E. Limper, Dr. John K. Pope, Dr. John M. Hughes, and Joe H. Marak. At the suggestion of the committee, a museum lecture series was instituted to develop community involvement. Three lectures were presented and were modestly successful. In addition, the museum was opened in the mornings of Redskin home football games.

The museum exhibited some of its Tri-State Lead/Zinc Ores at The Cincinnati Gem & Mineral Show April 16 and 17. The last time we participated was in 1975 when Karren Kessen (75) transported a display to Cincinnati for us.

Says Joe, "One of the pleasures of working in the museum is the visits of alumni. This year, I met Charles Passel ('38) and his wife. We were able to track down a penguin which he had collected during one of Wade's Antarctic trips (it was on display in the Hefner Zoology Museum). I also met Gloria King (65), who had seen our display at the Cincinnati Mineral Show. Other alumni friends visiting the museum were: Dr. George Distler ('72), Jim Feiler ('81), Mark Frye ('76) and his wife Susan Soloyaus, Bob ('83) and Cathy Frey and family, and Howard Winklebauer ('74). Hope I haven't forgotten anybody. Whenever you are on campus, check the museum; we are generally around and will be pleased to visit with you and show you the evolution that is taking place in Shideler Hall."

Larry Mayer - Larry spent last summer in Montana, Idaho and Oregon with students working on problems related to tectonics. But the big "happening" in his life during the first half of the 1987-1988 year was the hosting of the Eighteenth Annual Geomorphology Symposium. Sponsored jointly by Miami University and the University of Cincinnati, the **Symposium on Catastrophic Flooding** attracted approximately 170 earth scientists from the U.S. and abroad. Papers covered topics as diverse as flooding from failure of natural and constructed dams, unusual atmospheric or sea-surface conditions and planetary analogs, to flooding on Earth. Larry and David Nash, the Symposium convenors, also served as editors of the Symposium proceedings volume which has been published by Allen & Unwin, Ltd. in Great Britain.

With this major expenditure of effort behind him and following a characteristically busy second semester, Larry packed up his books and has headed southwest where he will spend the Fall Semester at the University of Arizona as a visiting Associate Professor. Research projects to be worked on there include a synthesis and overview of Quaternary tectonic processes occurring in the northern Basin and Range Province of the Western United States, a study of the interaction between extension and shear mechanisms of strain in the boundary zone between the northern and southern Basin and Range and a model of soil development that can be used to easily constrain stratigraphic, neotectonic and/or paleoclimatic inferences based on calcium carbonate accumulation.

Bob McWilliams - The workshop designed to teach high school teachers the principles of field geology was again a huge success. It attracted 72 teachers from Ohio and neighboring states and helped to mitigate declining enrollments in the course on field methods for geology majors. As field-station director, Bob will again be teaching the workshop for teachers as well as Advanced Field Geology. With his students from the course on advanced field methods, he plans to complete mapping of the effects of the Ross Lake Shear Zone on the Paleozoic rocks on the northeast side of the Wind River Range. He will also be working with Wayne Martin and Mark Kochan to complete additional field work on the Burnt Gulch Formation, a Plio-Pleistocene tectonic arkose.

Karl Mertz - Karl reports that this year began with a long field season split between two projects. The first involved work in Nova Scotia where he and a graduate student worked on deciphering the stratigraphy, diagenesis and climatic signals in Triassic/Jurassic fluvial, lacustrine and playa sediments exposed along the Bay of Fundy (a lovely place to conduct field work). The second project involved work along the northern California coast where he and a second student are studying the diagenesis of the Miocene Monterey Formation. In addition to the two students mentioned previously, Karl is also directing the research efforts of a Ph.D. candidate who will be working on aspects of turbidite deposition and paleoecological relationships of trace fossils in the Monterey Formation. His own research at the present time focuses on burial and diagenesis of Cretaceous sandstones from the Great Valley Sequence of California, in addition to ongoing work in Nova Scotia and coastal California.

Karl continues to carry a varied course load. This past year he taught a graduate-level sedimentary petrology course, an advanced seminar in sedimentology, the sedimentology petrology portion of the undergraduate course entitled Petrography, and a team-taught course (with Mark Boardman) on aspects of paleoceanography and paleo-climatology. But the "piece de resistance" for this year was the field trip that he and Sarah Roeske led to the Death Valley region of California this May. By all accounts, this trip was a great success!

Thanks largely to Karl's efforts, this year also saw the return of oil-company interviewers to the Department, after a considerable hiatus. Two students landed jobs. Hopefully, this is an early indication that the petroleum industry is on the rebound!

Tom Musselman - Tom completed his M.S. degree in May 1987 (Geochemistry, Colorado School of Mines). Since then most of his time has been spent writing software for our DC Plasma and Mass Spectrometers. Not exactly what he envisioned when he answered Miami's ad for a Mass Spectrometer Technician!

With the help of Bill Hart and two Ph.D. students, most of last Fall was spent developing a method of converting raw electrical signals from the DCP into elemental concentrations in the solution being analyzed. The popularity of our DCP this year speaks for their success. Putting this method into a software package that Miami can call its own continues to account for most of Tom's time at his home computer. In October, Tom presented the results of his Master's research (with E. Craig Simmons) at the GSA meeting in Phoenix.

With a working DCP in his care, Tom realized early this year that training and assisting students and faculty in the use of these facilities is quite time consuming. Yet he still managed, with the help of Miami's Instrumentation Laboratory, to interface the new computer to the Mass Spectrometer and to develop most of the instrument-control software.

A productive year for Tom, I'd say. In the coming year (after some refreshing backpacking in the Rockies) he looks forward to publishing a description of the DCP data-reduction scheme and producing a DCP software package which may be used by numerous labs across the country.

John K. Pope - The past year has gone smoothly for the Popes. In the early summer of 1987, they had an extended visit with Gracia's father, who now lives on Oahu. The remainder of the summer was spent teaching his rocks and fossils workshop course and introductory geology. They have been stay-at-homes since then. The Bahamas trip they had planned for spring vacation did not materialize this year owing to insufficient enrollment. Susan was married this May, 1988, to Marco Iansiti, a physicist at Harvard. They will reside in Cambridge at least through this next year. Jonathan will enter Northwestern medical school this fall in a combined MD/PhD program.

Sarah Roeske - Sarah finished several major projects this year and started some new ones. The Fall Semester of 1987-88 was devoted to the task of finishing her Ph.D. and writing a second paper from the results. The Ph.D. was awarded in March of 1988 from the University of California-

RECENT ENGAGEMENTS/WEDDINGS OF CURRENT GEOLOGY STUDENTS

This year seems to have brought an unusually large number of engagement announcements and marriages of students still working to complete their degrees in the Department. Recent graduates who knew these people might wish to drop them a letter of congratulation.

Recent Engagements

Brannon Anderson and Carol Gerber (A.B., '86): Brannon is now putting the finishing touches on his Master's thesis while Carol is working as a cartographer in the Cartography Laboratory. They plan to wed next spring at the close of Brannon's first year as a Ph.D. student at Syracuse University.

Brian King and Allison Nassau: Brian and Allison are both working on their graduate degrees in geology. They plan to be married in May, 1989. Allison plans to begin law school this fall.

John Gant (A.B., '88) and Janis Worst (B.S., '88): John and Janis announced their engagement this spring. They will be living in Oxford following their marriage in November because John will be entering the Master's program in the Institute of Environment Science this fall.

Recent Marriages

Jeanne Cooper and Tom Chatfield: Jeanne and Tom were married this spring and live in Oxford where Jeanne continues to work towards her Ph.D. degree. Tom is earning his degree in the Geography Department (he never did see the light and come down to earth).



Most of the graduate students during the Spring semester 1988; from left to right, back row to front row, they are: Yongshan Dai, Norman Colby, Peter Fraley, Allison Nassau, Brian King, Jeanne Cooper, Jeremy Mitchell, Melissa Brown, Greg Kamman, Yingping Yang, Paul Bergstrom, Ron Pelle, Cheryl Metz, Marybeth Fielman, and Kevin Mallin.

BACHELOR'S AND MASTER'S DEGREES
July 1987 - June 1988

Bachelor Recipients

Brown, Eric R., Dec. '87
Burry, Douglas A., May '88
Gant III, John S., May '88
Kilbane, Patrick J., Aug. '87
Mohr, Karen L., May '88
Porter, William J., May '88

Proffitt Jr., Michael D., Dec. '87
Schwall, Mark A., Dec. '87
Showalter, Eric M., May '88
Smith, Ronald T., Aug. '87
White, Todd K., May '88

Master of Science Recipients

Hartwick, Wayde M., Aug. '87: Taxonomy, morphology, and paleoecology of *Strophomena planumbona* (Hall), an articulate brachiopod from the upper Ordovician of the Cincinnati, Ohio, area (Thesis advisor, John K. Pope).

Knecht, Matthew D., May '88: Petrography, origin, and structural deformation of bent tubular chert of the Tosi Member, Phosphoria Formation (Upper Permian), in the Gros Ventre Mountains, Teton County, Wyoming (Thesis advisor, David M. Scotford).

Kochan, Mark, Aug. '87: The Burnt Gulch Formations; a Pliocene-Pleistocene tectonic arkose conglomerate, Wind River Basin, Fremont County, Wyoming (Thesis advisor, Wayne D. Martin).

Mellott, Mark G., Dec. '87: Geochemical, petrologic and isotopic investigation of andesites and related volcanic rocks in the Santa Rosa Range and Bloody Run Hills, Nevada (Thesis advisor, William K. Hart).

Schmitt, Clifford T., Dec. '87: Early cementation of periplatform sediment in Northwest Providence Channel, Bahamas (Thesis advisor, Mark R. Boardman).

Taliaferro, Lindsay C., Dec. '87: Seasonal changes in the partitioning of heavy metals in a southwestern Ohio soil (Thesis advisor, Mark R. Boardman).

Vasilkous, Irene N., Dec. '87: $^{87}\text{Sr}/^{86}\text{Sr}$ and geochemical variations in the Pennsylvanian and Permian nonmarine and marine limestones of southeastern Ohio, northwestern West Virginia, and southwestern Pennsylvania (Thesis advisor, Norman K. Grant).

White, Charlene K., May '88: A strain analysis in three imbricate areas in the Moine Thrust, Scotland (Thesis advisor, David M. Scotford).

Master of Arts Recipients

Alley, Pamela D., May '88

Menneke, Brian E., May '88

Santa Cruz Earth Sciences Board. She also finished the final revisions of her sections of the DNAG cross-section across southern Alaska. New projects include field work this summer in various schist terrances of northern Alaska, as part of a U.S. Geological Survey transect along the pipeline. In addition, she did background research on the geology in the Eastern Chugach Mountains, Alaska, where she will be conducting field work in 1989. She enjoyed becoming more involved with the students at Miami, teaching Structure in the Spring Semester, and co-teaching a workshop with Karl Mertz in Death Valley and Long Valley, California, in May.



Faculty and staff, from left to right, back row to front row: Joe Marak, Sarah Roeske, Norman Grant, Bob McWilliams, Maryellen Cameron, Dwight Baldwin, Jim Bever, John Pope, Marcia Bjornerud, John Hughes, Opal Chris, Alice Peo, Mark Boardman, Bill Hart, Karl Mertz, Larry Mayer, and Tom Musselman.

DEPARTMENTAL STUDENT HONOR AWARDEES

The H. Van Der Veer Hilker Memorial Scholarship

(This award is given to a junior geology major on the basis of academic achievement and potential contribution to one's community, need for financial assistance, and the recommendation of the Department.)

Tracy A. Love

The Karl E. Limper Award

(Awarded to a junior, senior or graduate student working in geology with a G.P.A. of 3.0 or better on the basis of merit, not need.)

Connie M. Safreed

The Karl E. Limper Undergraduate Enrichment Fund

(Junior and senior majors in geology are invited to submit proposals for support to cover costs of such activities as small independent research projects, attendance at a conference, the cost of a field trip, etc.)

Timothy Murphy

Project: The Use of Tree Ring Data for Interpreting Mean Annual Precipitation in the Oxford Vicinity.



Student Honor Awardees for the 1987-1988 academic year, from left to right: Tracy Love, Tim Murphy, and Connie Safreed.

All in the Department heartily congratulate these winners, for this recognition reflects the effort and dedication that each has contributed to his/her studies and to the overall well-being of the Department.

M.U.G.S. NEWS

After getting off to a late start, the officers of M.U.G.S. decided that the goal for this year would be to generate increased interest in the Club's activities among students and faculty. To this end, a faculty-student party was held and was acclaimed a success by all. Towards the close of the

semester, a MUGS/SGE mixer was held with the intent of fostering closer cooperation between the two geologic organizations.

During the Second Semester, Dr. Mark Boardman gave a presentation on his research in the Bahamas and Dr. John Pope presented a slide presentation on the geology of the Bahamas and the Hawaiian Islands. MUGS also sponsored a broomball team in the intercampus co-ed league (the team record is not worthy of mention, although all had fun) and capped off the year with a spring departmental picnic. We wish next year's officers the best of luck. They will be:

<i>President:</i>	Kevin Bartol
<i>Vice President:</i>	Debbie O'Brien
<i>Secretary:</i>	Kirsten Downey
<i>Treasurer:</i>	Ed Carlton
<i>Social Chairperson:</i>	Jennifer Hoy

SIGMA GAMMA EPSILON NEWS

Thanks to the initiative of a few individuals, the Alpha Theta Chapter of Sigma Gamma Epsilon was successfully reactivated in November 1987. We initiated 14 new members and elected the following officers:

<i>President:</i>	Peter Fraley
<i>Vice President:</i>	Brannon Anderson
<i>Vice President/Historian:</i>	Cheryl Metz
<i>Treasurer/Secretary:</i>	Eric Showalter
<i>Corresponding Secretary/Editor:</i>	Greg Kamman

At the start of the second semester, we held a successful fundraiser. AAPG Geological Highway Maps were purchased from Sigma Gamma Epsilon at a discounted rate and then were resold at a price below that offered by AAPG. If anyone is interested in purchasing these maps, please contact Cheryl Metz through the Geology Department.

The remainder of the semester was spent planning a field trip to the Morehead, Kentucky, region to study the Warix Run Formation (an Upper Mississippian intertidal carbonate deposit). During a field trip led by Karl Mertz and Mark Boardman in the Spring of 1987, two potential eolianites were located. In the Spring of 1988, the Alpha Theta Chapter returned to the area for further description and sampling. Our end goal is to publish our results in the Compass which is the quarterly publication of Sigma Gamma Epsilon. The field trip was very successful and special thanks are extended to the Department for deferring the cost of travel to and from the field area.

At our last meeting in April 1988, the following officers were elected for the upcoming school year:

<i>President:</i>	Cheryl Metz
<i>Vice President:</i>	Greg Kamman
<i>Vice President/Historian:</i>	Debbie O'Brien
<i>Treasurer/Secretary:</i>	Andy Cole
<i>Corresponding Secretary/Editor:</i>	Kerry Hanlon