



NEWSLETTER

DEPARTMENT OF GEOLOGY, WESTERN MICHIGAN UNIVERSITY

Volume I No.9

November 1984

Dear Alumni and Friends:

It's hard to realize that another year has passed since the last Newsletter and much has happened since then. The Geology Advisory Council held meetings last April and early in October. Two new members have joined the Council and information on their activities is presented in another section. I am pleased to report that Dr. Gerry Clarkson is our new faculty member in geophysics. Gerry received his doctorate from New Mexico Tech and is interested in heat flow as it relates to maturation of hydrocarbons. Gerry's wife, Marie, has a degree in music therapy and is employed at Croyden School in Kalamazoo.

This year Drs. Richard Passero and Chris Schmidt are on sabbatical leave. Dick is actively pursuing his interest in contaminant hydrology and computer modeling. Chris and Carolyn are spending most of the Fall semester in Montana and Chris expects to be in Denver with the U.S.G.S. in December. During the Winter semester he will be working with the structural geology group at Texas A&M. Dr. Constance Gawne agreed to stay for another year as a sabbatical replacement. Connie has been quite busy teaching paleontology, oceanography, and introductory geology.

In September the Department was host for W.M.U. Visiting Scholar Dr. Warren Hamilton, Chief Research Scientist for the U.S.G.S. and stationed in Denver. Dr. Hamilton participated in the structural geology field trip to the Marquette area and presented a series of distinguished lectures during his campus visit. Dr. Ron Chase arranged and coordinated the activities of Dr. Hamilton's trip.

The Department has added a Core Analysis Laboratory to its facilities. The lab is located in the basement of West Hall (old Natural Science Building), under the original geology lab that was used in the fifties and early sixties. Some of you should remember fondly the old lab. Bill Harrison is directing the lab and has been active in acquiring new cores. Oil company geologists frequently visit the lab to examine cores and consult with Bill and several graduate students on subsurface research projects. If any of you are engaged in exploration in Michigan, you may wish to contact Bill (616-383-0063).

Enrollments in the Department's undergraduate geology and geophysics programs remain steady, however, a significant increase has occurred at the graduate level. Presently, 44 students are enrolled with representation from many different colleges and universities.

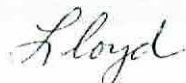
Recruiting interest seems to be picking up once again. Amoco International and Conoco conducted interviews in September and October. If any of you are aware of employment opportunities for B.S. or M.S. students in geology, geophysics, or earth science, please call or have your company recruiter contact me. Our students are seeking these opportunities and I would be happy to assist in these efforts.

Bill Sauck returned to Kalamazoo for a visit to complete some of his geophysical investigations. He reports that Elen and the children are well, however, the university professors were on strike, and he has had some difficulty in getting into his house in Belem.

I regret that I missed those of you who attended G.S.A. in Reno, however, I do expect to be at A.A.P.G. in New Orleans March 24-27. Please remember to come by and visit during the all-alumni gathering from 5:30-7:00 on the 25th if you expect to attend.

I believe this covers most of the past year's events. In conclusion, I'd like to invite you to write and report on your activities so I can pass that information out to your friends in the next Newsletter. I extend the Department's good wishes for a Happy Holiday Season.

Cordially,



ADVISORY COUNCIL

The Council has held two meetings during 1984. Major activities include the addition of two new members: Ms. Harriet Cloft, Consultant, Anchorage, Alaska, and Dr. Lee C. Gerhard, Getty Professor of Geology, Colorado School of Mines. The Council has made recommendations to the faculty on curriculum and has requested a list of equipment items needed by the Department for teaching and research. Also, the Council is anxious to assist students seeking employment and will conduct a job fair at the next meeting on April 19, 1985. The Council also sponsored an Icebreaker on Oct. 5th for all students, faculty, and staff. Photos of the events are included in the Newsletter.

GEOLOGY DEVELOPMENT FUND

Unrestricted gifts to the Fund for 1984 have reached a total of \$3,070, which includes a \$500 gift from an anonymous donor and matching corporate gifts of \$1,300. The Fund is used to support student awards, research grants, professional faculty travel and research, field trips, and visiting speakers. This year Development Fund gifts have permitted a Geology Research Award to be established to support graduate student research. The first recipients are Ms. Eileen Shannon (\$200), and Ms. Jean Talanda (\$100). Eileen is conducting a study of mylonization and brecciation along the eastern edge of the Bitterroot Dome in Montana. Jean is doing fission track dating of selected plutons in southwestern Montana.

If any alumnus or friend wishes to contribute to the Department, please do so on the enclosed form and designate the gift for the Geology Development Fund. Also, please inquire if your employer provides a matching gift, many do. Michigan residents may qualify for a substantial income tax credit in addition to the usual federal deduction for contributions to educational institutions. All gifts to the Fund are greatly appreciated by students and faculty.

GRADUATE STUDENTS

Greetings from the Graduate Students:

This year we have increased in size from 36 to 44, while eight have moved on and sixteen new graduate students have joined us. The graduate office in Rood Hall seems to have more people than a Bronco football game.

The new graduate students represent many different universities around the country as well as around the world, such as: University of Wisconsin at Oshkosh, Illinois State University at Normal, Indiana University, Eastern Connecticut State University, University of Michigan, Albion College, and Drake University. Our foreign contingent include students from Turkey, India, Iran, and Korea.

Thesis topics are also geographically widespread ranging from the depths of the Michigan Basin to the mountains of Montana, and from the rivers of Kentucky to the landfills of Kalamazoo County.

Several of our graduate students have completed their work and have moved away to begin new careers. Bill Gierke accepted a job with an engineering consulting firm in Atlanta, Georgia. Mike Gallagher is working with the government in Seattle, Washington. Mark Sheedlo is working for Conoco in Lafayette, Louisiana. Finally, Suhas Ghatge has moved to Saginaw, Michigan and works for the Michigan DNR.

A high point this year in sports history was that the graduate student floor hockey team, the "Flash Figures", made it into the semi-finals and ended with a five and two record. That is quite an improvement considering last year's record of 0 and six.

Speaking of high points, on July 11, 1984, a new potential geology student was born, Logan Cliff Porcher to Eric and Julie. Logan is a staunch supporter of our intramural teams. Also, on November 10, 1984, Kent Meisel married. We wish him and his new bride, Deena, all the best.

Well, that's all the news from the graduate students. Until next year, keep on hiring!

Jeff Hawkins
Gerard Martin

The following students entered our graduate program in September, 1984:

Sandra Barnick
University of Wisconsin-Oshkosh

Lynn Broede
Illinois State University

Andrew Calder
Illinois State University

Richard Christensen
Grand Valley State Colleges

Michelle Fults
Indiana University

Paul Horton
Olivet Nazarene College

Homa Moaddel
Hope College

Daniel Nicoski
Eastern Connecticut State University

Scott Park
Albion College

David Pitrowski
Illinois State University

Dave Howell
University of Michigan

Susan Rezek
Drake University

Connie Lee Scott-Webber
Albion College

Bob Selberg
Albion College

Mancheol Suh
Seoul National University

Bill Henderson
Central Michigan University
(Entered program January, 1984)

The following students entered our program prior to 1984:

Sukru Apak
Istanbul University, Turkey
Colorado School of Mines

Jeff Brown
Olivet Nazarene College

Mark Caldwell
University of Michigan

Neal Carey
Bridgewater State College

Hyseyin Ali Fici
Aegean University, Turkey
Colorado School of Mines

Dan Fronczek
State Univ. of New York-Geneseo

Jeff Hawkins
Southern Illinois University

Joe Hobin
Boston State College

Ann Little
Southern Illinois University

Joseph Mark
Grand Valley State Colleges

Eric Montgomery
Bridgewater State College

William Morse
Bridgewater State College

Eric Forcher
St. Cloud State University

John Rodwan
Eastern Michigan University

Eileen Shannon
Wittenburg University

David Skrocki
Albion College

Jean Talanda
Michigan State University

David Warwick
Eastern Kentucky University

Stephen Wigger
Southern Illinois University

A number of graduate students are in residence here as they continue to work on their theses:

Kayleen Jalkut
Bridgewater State College

Janet Koehler
Indiana Univ.-Purdue Univ., Fort Wayne

Dave Lindsay
Michigan State University

Gerard Martin
Bridgewater State College

Kent Meisel
Michigan State University

Lula Palmer
Georgia State University

Kevin Sullivan
Central Michigan University

Terry Wagner
University of Puget Sound

Robert Watkins
Ferris State College

GEOLOGY & EARTH SCIENCE CLUB

The Club's activities over the past year have included much fund raising. Last December we sponsored a book and bake sale in which professors donated their unwanted geology books and students donated their baked goods. The money from this, along with our donut sales, enabled us to purchase five tents which students can check out for field trips.

Our intramural sports teams have lacked a winning season thus far, but we continue to show improvement in volleyball, floor hockey, water polo, and softball. If we are to have a winning season it will be in one of these sports. Hopefully our next report will bring good news.

Fund raising activities for the remainder of the school year have yet to be decided. The voting of the Club's T-shirt design is always the highlight of the year. Depending on the amount of money acquired from our fund raisers, we are planning some extracurricular trips to Chicago and possibly Canada.

Jeffrey B. Klan
President

W. DAVID KUENZI SCHOLARSHIP FUND

Recent Kuenzi Scholarship graduate student awards were presented to Eric Porcher (\$125) for his study of petrography and geochemistry of non-reef Middle Silurian carbonates in the Michigan Basin; Kevin Sullivan (\$125) for research of the origin and diagenetic history of porosity in the Richfield member of the lower Middle Devonian Lucas formation, Central Michigan Basin; and Mark Caldwell (\$100) for a study of the Sphinx conglomerate in Montana. A modest number of gifts continue to come in each year and the endowment continues to grow providing increased interest income. Thanks to Kayleen Jalkut and Bob Havira, a collage of photos of Dave was prepared for the Kuenzi Laboratory. A photo is included in the Newsletter.

1983-84 AWARDS & SCHOLARSHIPS

Senior Honor Awards - Geology

James Plomer
Lance Peterson
Bridget Wisniewski

Amoco Undergraduate Scholarships - Geophysics

Mark Fonte
Jon Lindbom
John Vlasity

Amoco Graduate Fellowship - Geophysics

Paul Horton

Presidential Scholar

Lance Peterson

Kalamazoo Geological & Mineral Society Field Trip Scholarship

Mary Lannon

Professional Societies

Sigma Xi

Mark Caldwell
Jeff Brown
Steve Wigger

Geological Society of America

Mark Caldwell

American Association of Petroleum Geologists

William Morse

National Association of Geology Teachers - Summer Field Camp Scholarship

Lance Peterson



Geology Advisory Council
 Front row: Mari Hall, Jim Duncan, Brian Shaw, and Roger Steininger.
 Back row: Jeff Hawkins (student observer), Elizabeth Oldham, Tom Segall, Harriet Cloft, John Fowler, and John Yellich.

Speaker's table at Council banquet. From left to right: Sandi and John Yellich, Marion and Jeff Hawkins, Bill and Linda Harrison.



New Council member Harriet Cloft.

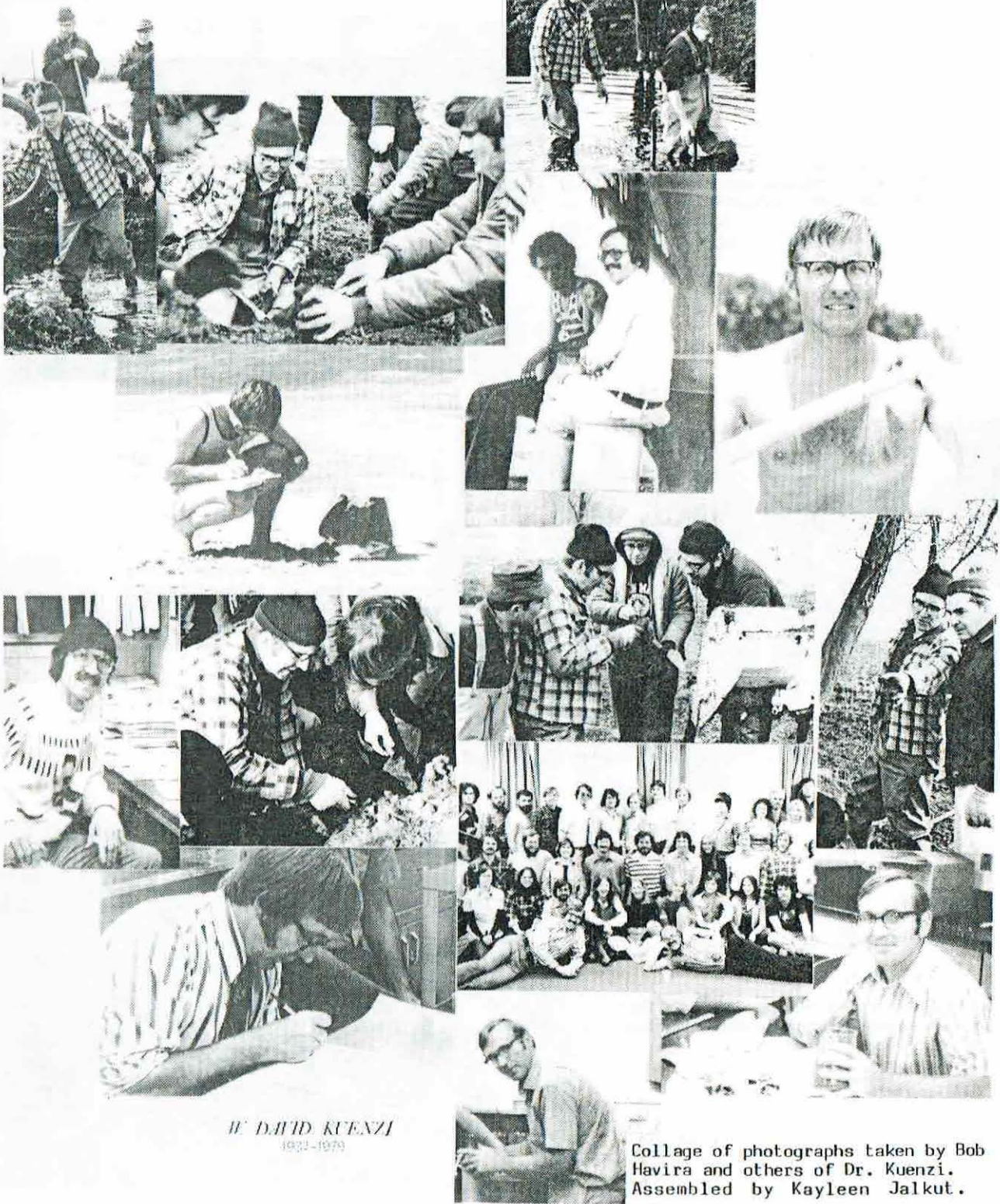
Students discussing geology with Council member Mari Hall at Icebreaker.



A how-to-get-a-job workshop was held the Saturday morning following the Council meeting. Brian Shaw, Roger Steininger, and John Yellich discuss suggestions with Kayleen Jalkut, Jan Koehler, and Eileen Shannon.

Brian Shaw, Roger Steininger, and John Yellich inspect cores in the new core analysis laboratory.





FACULTY NEWS

Gerry Clarkson joined the Department this fall as the new geophysicist. He recently completed his doctorate at New Mexico Institute of Mining and Technology in Socorro, New Mexico. Gerry's dissertation involved heat flow and coal maturation and their relationship to the thermal history of the San Juan Basin-San Juan volcanic field area. This fall he has been teaching seismic methods along with advising geophysic students.

Connie Gawne spent spring in Montana studying fossil collections at the University of Montana and collecting at classic fossil localities, attempting to resolve questions about stratigraphic ranges of Oligocene rabbits. She has been teaching earth studies and oceanography, and will teach paleontology in the winter. Meanwhile, she is taking advantage of opportunities at W.M.U. to expand her background in mathematics as well as sedimentology.

John Grace is having a busy year; there are still lots of geology majors to advise. John has become interested in looking at the geochemistry of Radon, particularly as an environmental problem in well insulated and sealed houses. It appears that the radiogenic gas seeps in from the foundation and then has a hard time being vented from the house.

Bill Harrison was on sabbatical leave the past academic year. During this period he worked on the establishment of a core repository on campus. The collection went from 4 cores to over 60 wells and several other wells with cutting samples. A listing of the core facility recently has been published by the U.S.G.S. in their nationwide catalog. Bill's personal research on the Lower Ordovician in the Michigan Basin has progressed substantially with the development of the core library. Preliminary information was published in a petroleum information monograph on Michigan in late summer. Bill has been invited to participate in a symposium on the Michigan Basin in February, 1985 at The University of Michigan.

Ron Chase continues to be busy with his "western connection" during the summers. Last summer he taught at the Indiana University Geologic Field Station in Montana. Ron's research efforts continue to be in Colorado where he is studying the role of Precambrian compositions and fabrics in the development of Laramide deformation patterns. His research on the Idaho batholith recently culminated with a paper in the *Journal of Geology*. On the home front, Ron continues to teach the optical mineralogy-petrology sequence with much relish and enjoyment. He and his wife, Chris, recently purchased a large home to accommodate their family of four growing boys. Most spare moments are currently consumed with monumental redecorating tasks.

Tom Straw is currently expanding his interests and research in the area of wetlands hydrology. He is working closely with the U.S. Army Engineers in their effort to determine the hydrology parameters that control certain wetland types. He continues to be involved in the Paleozoic geology of the Michigan Basin. Tom gave an invited paper, The Paleozoic of the Midwest, at the East-Central Sectional Meeting of NAGT, and will participate (with Bill Harrison) in a symposium and core workshop on the Paleozoic of Michigan early in 1985.

Dick Passero continues research on groundwater contamination in the Walker Oil Field in Michigan. The E.P.A. has funded \$24,500 for this study, and it has generated 3 student theses. Dick is a member of the Solid Waste Management Committee for Kalamazoo County, and assists in the Forum Task Force on Solid Waste and Science for Citizens Workshops.

Chris Schmidt, and his wife Carolyn, are spending fall semester in Montana, December with the U.S.G.S. in Denver, and winter semester at Texas A&M.

ALUMNI NEWS

Richard Kimmel (M.S. geology 73) is a groundwater geologist for the Michigan Geol. Survey in Lansing. Rich has been serving as an officer for the Michigan Basin Geological Society.

Jim Jessmore (B.S. geology 83) is a hydrocarbon logging geologist for Tooke Engineering and works out of Saginaw, MI.

Randy Milstein (B.S. earth science 79) is a petroleum geologist for the Michigan Geological Survey, Lansing, and is interested in Cambro-Ordovician stratigraphy of the Michigan Basin.

Lawrence Goldman (M.S. earth science 73) is living in Mackinaw City, MI and is President of Monadnock Trading Co., Inc. Larry, I like that name, Monadnock!

Tom Sherman, with the Liberian Geological Survey, keeps me informed of his travels throughout the world. This year he has been to Switzerland (three times), Mexico, Jamaica, Scotland, Ethiopia, and Liberia. Thanks for the stamps, Tom.

Bill Middleton, with ESSO in Houston, married Patricia Ann Fahy last February. Congratulations!

Don Drozdenko (M.S. earth science 75) is a materials engineer for a division of Hewlett-Packard, Sunnyvale, CA. Don writes that his mineralogy and optical studies have been very useful in his position.

Kathleen James (B.S. geology 83) wrote last Winter and provided the following address: 1319 Wilder Rd., Auburn, MI 48611.

Greg Kintz (B.S. earth science 78) is teaching 7th grade math and science in Arusha, Tanzania (P.O. Box 1300). He and his wife Virginia (Hennig) live at the foot of a dormant volcano, Mt. Meru, near Mt. Kilimanjaro and the Rift Valley.

Craig Miller (B.S. geology 80) is a field engineer for Dresser Atlas doing electric wire line logging. He has joined the Utah Geol. Soc. and the Four Corners Geol. Soc. He enjoys living in the Rockies.

David Naas (B.S. 78) is an exploration geologist for Union Oil of California. David received an M.S. (80) from Wright State in geochemistry. This past summer David married Linda Rice, a paleontologist with Union. Daves last address was P.O. Box 51388 OCS, Lafayette, LA 70508.

Jim Kurzen (B.S. earth science 77) is O.W.A. coordinator and mens head basketball coach at Tuslaw H.S. in Massillon, OH. Jim lives at 2801 Manchester Ave. SW, 44646.

Nat Richardson (B.S. 71; Ph.D. in geophysics from Purdue) has left the directorship of the Liberian Geological Survey and now is president of Geoservices, Inc., P.O. Box 3766, Monrovia, Liberia. Nat is his own boss and primarily consults on mineral exploration and groundwater projects. Congratulations Nat!

Dave Burdette (B.S. 80) writes that he is completing a sedimentology thesis of the Black Mountain region, Nevada, at Southern Illinois Univ. He expects to finish in the Spring of 85.

Jim Bohlin (M.A. 69) is assistant science department chair at Brockton H.S. in Massachusetts. Jim is currently teaching earth science and oceanography. Good to hear from you, Jim.

Don Leske now lives in Winter Park, Colorado, and sent along a beautiful color booklet on the Canyonlands that includes many photos taken by himself. Thanks Don.

Arlene Shub (B.S. earth science 78) is living in Kalamazoo at 519 Wheaton, and is employed by the Department of Public Works.

Jim Meinke (M.S. earth science 73) is a teacher in the Lakewood, Ohio Public Schools, and won a \$30,000 George Gund Foundation grant to establish an energy auditing program for low income families. Congratulations Jim!

Joe Schuler and Dave Place have reported that they are now working for Tooke Engineering and are on field assignment in southern Illinois.

Paul Daniels stopped by the Dept. for a visit last September. Paul is a senior exploration geologist with Placid Oil and now lives in Dallas, TX.

Don Penniman (M.S. geology 83) has taken a job with an environmental engineering firm in St. Louis.

Norm Lovan (M.S. geology) and Janell (B.S. geology) are still in Midland. Norm is working for Texas Oil and Gas.

Charlie Cookman is back with Texas Oil and Gas. Charlie has been helpful in making contacts for the Dept. with employers to help hire our students. Thanks Charlie!

Jim Dexter (M.S. geology) returned last May for a successful thesis defense. He contributed some valuable specimens to the collections.

Lance Peterson (B.S. geology 84) received an NAGT summer field trip scholarship last summer for the Indiana Univ. field camp. He will be an IU grad student this year.

Warren French (M.S. geology 74) is working for Reading and Bates in Tulsa, OK.

Jim Brode (B.S. geology 83) has taken a position with Keck Geologic Consulting as an associate geologist. Also, Jim married Janet Straub on Oct. 6 and they live at 1524 Thistledown, Apt. 2A, Okemos, MI 48864.

Sam Yoveff was on campus with his family last Spring. Sam chairs the science department at Belvidere H.S., 1500 East Ave., Belvidere, IL 61008.

Chris Keister is employed by Federal Natural Resources Corp. His address is P.O. Box 2321, Traverse City, MI 49685.

Congratulations to Deanna Palladino! She won an award from A.A.P.G. for an outstanding student paper at the San Antonio meeting. Deanna has finished her M.S. at Baylor and is now working for Pennzoil in Houston.

Tom Hylland (B.S. 67) and his wife Janice (Grandelius) have 3 sons, and live in Muskegon, MI where he is owner operator of Dobb and Wood Trucking Co. Tom still maintains his strong interest in geology.

John Frisinger (B.S. geology) is working in the computer division for Brunswick Corp. in Muskegon, MI. John was married last April. Congratulations!

Kevin Kincare (B.S. geology) is employed by the Dept. of Natural Resources in Lansing, MI.

Ben Woodliff is working for Crag Computer Co. on a computer installation for Phillips Petroleum.

Rick Wylie (B.S. geology 83) is employed by an engineering firm in Grand Rapids, MI and is dealing with contaminant hydrology.

Nick Pogoncheff (B.S. geology) is working in Novato, CA for Harding-Lawson Assoc., a hydrogeology engineering firm.

Betty Garrett (B.S., M.S., Ph.D.) returned from Albuquerque and spent several days in the Department last summer. Betty is doing some teaching and consulting on a number of archeological projects.

John Playford (B.S. geophysics 83) is working with a geophysics firm in Texas.

Kurt Schrantz (B.S. geology) finished his M.S. at Wright State and went to work for Marathon in Casper, Wyoming.

John Yellich, co-chairman, Dept. of Geology Advisory Council, has taken a position as Vice-President for Development, Marline Uranium Corp., and is living in Virginia.

Ellie Papadopoulos (B.S. geology) is living in Corona, CA and manages her husband's engineering consulting firm. Ellie stopped by for a visit in October.

The Department received a letter from Sally Snell and she reports she is working for Aspen Mining Corp. and is living in Jean, Nevada.

Jim Konnie (B.S. geophysics) reports he is working for Centrail of Northern Ohio. Dari Ghahremani (M.S. 78) also works for Centrail.

Lynne (Aldrich) Sammis (B.S. geology 80) and husband Neil report the arrival of Kelly Allison (7 lbs 13 oz). Lynne is with Exxon in Houston.

Tom Luby (M.S. 82) has returned to Massachusetts and is working as a project hydrogeologist for Geologic Service Corp. in Hudson.

Ernie Kern is co-author of an article on, "Student Values, Interests, and Attitudes in Earth Science", published in the November 84 issue of the Journal of Geological Education. Congratulations Ernie!

Bill Schroeder (B.S. 81; M.S. from Purdue) is a geophysicist with Conoco in Oklahoma City.

Tim Mitchell (B.S. geophysics 80) lives in Ponca City, OK and is working for Conoco. Tim now has three children.

It would be appreciated if you would complete the following form to keep our files updated for the Register of Alumni and Friends.

Name _____

Major _____ Degree Earned _____

Date of Graduation _____

Address _____

Current Position _____

Professional Interests _____

Other News _____

Return to: Dr. Lloyd Schmaltz
Department of Geology
Western Michigan University
Kalamazoo, MI 49008