Dear Alumni and Friends:

It's time for another Newsletter to bring you up-to-date on the many events and activities of the Department during the past year. I believe the most important event to influence the future welfare of the Department is the establishment of a Department of Geology Advisory Council. During the past year efforts to develop and organize the Council have been underway. As a result the Council held its first meeting Homecoming 83 weekend. Pictures of the Council along with the membership roll is included in the Newsletter. The Council is composed of alumni, members of industry and government, and friends of the Department. The Council has organized several committees which will address such areas of interest as: academic programs, department-industry relations, and fund raising. Encouraged by the new challenges, the Council decided to meet again during the current academic year, probably in late March or early April.

On a less happy note I'm sorry to report that Dr. Bill Sauck has resigned and will be leaving the Department at the end of December. Elen Sauck has completed her Ph.D. in Meteorology from the University of Michigan and as a result the Sauck family will be returning to Brazil. Congratulations to Elen and we extend our thanks and best wishes to Bill and Elen for a happy return to the Universidade Federal do Para in Belem, Brazil.

Last Winter the Department received as a gift the mineral and fossil collection of Mr. and Mrs. Herschel (Skip) Martin of Allegan, Michigan. The prized specimen in the collection is a large Cretaceous Ammonite (see photo) from South Dakota. Thanks to the efforts of John Grace, Bill Harrison and others, part of this collection is now on display in the Geology Museum.

In April the Department was host to Visiting Scholar Dr. Wallace Pitcher from the University of Liverpool. Dr. Pitcher is a world authority on granites and he presented a series of stimulating lectures during his visit. Thanks to the hard work of Chris Schmidt, the geology departments from Michigan State University, University of Michigan, Indiana University, and the University of Kansas were involved. One of the high points of the visit was a field trip to the St. Francis Mountains in Missouri which involved more than 40 faculty and students from Western, Indiana University and the University of Kansas.

In early October the Department added a 2-channel drum recorder to our geophysical equipment holdings. The long period seismograph constructed last year is now connected to the drum recorder and is able to record most of the World's major earthquakes. Bill Sauck has installed the recorder in a display case in the museum for all to observe. Several major earthquakes have been recorded since early October and include those in Chile, New York, Idaho and Hawaii. The seismograph has attracted much student interest.

The Department usually has alumni gatherings at the major professional meetings. This past year it was a great pleasure to see so many alumni at AAPG in Dallas and GSA in Indianapolis. We look forward to seeing more alumni in 84 at AAPG in San Antonio and GSA in Reno or at North-Central and South-Eastern GSA in Lexington, Kentucky.

I believe this summarizes the major activities for the year. On behalf of all our students, staff and faculty I'd like to extend best wishes for a Happy Holiday Season.

Sincerely,

[Signature]
Geology Development Fund

It appears that 1983 will be a very good year for the Geology Development Fund. Many gifts, large and small, have been received from Alumni and Friends. Some of the gifts have been matched by the employers of the donors. During the past year, Development money has been used to establish an undergraduate geology scholarship (see awards), support professional travel, field trips, and guest speakers.

Special and unrestricted gifts that have been received during 82-83 are:

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<tr>
<th>Gift</th>
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<tr>
<td>Exxon Corporation</td>
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<td>Amoco Foundation</td>
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<td>Mr. &amp; Mrs. Fred Miller</td>
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<td>Turner Oil Co.</td>
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The Department is greatly indebted to all our friends who have assisted our students and programs through their support and gifts. All contributions should be designated for the Geology Development Fund on the enclosed envelope. Please note that Michigan residents receive a substantial credit on Michigan Income Tax for contributions to W.M.U.

W. David Kuenzi Scholarship Fund

The W. David Kuenzi Scholarship Fund continues to show steady growth. All gifts are added to the endowment and interest earned has become sufficient to provide a $250 award to a deserving student. At least one scholarship will be awarded during 1983-84. All contributions to support this scholarship should be specifically designated for the W. David Kuenzi Scholarship Fund.

Faculty News

Dick Passero continued to serve on the Michigan Environmental Review Board and the Kalamazoo County Solid Waste Management Committee. Dick is winding down the EPA grant, including brine disposal in the Walker Oil Field. He is doing extended research on the KL Landfill and similar problems. Oh yes, he taught a little bit, also.

Bill Sauck is struggling to tie up all the loose ends for an orderly departure for Brazil. This includes reading theses by Stan Leja, Gary Barton, and Suhas Ghatge; "cleaning up" and documenting the geophysical computer programs; clearing incomplete grades; finishing projects such as the KL Landfill and Walker Oil Field; and finishing the computer catalog and filing of the Department well log collection.

Bill Harrison is on sabbatical for 1983-84. He is working on core samples from deep wells in the Michigan Basin to deduce the depositional environment of Cambro-Ordovician sandstones recently discovered to be productive with natural gas. He is also upgrading sub-surface geology data in the Department's collections of core material and well logs.

Constance Gawne is filling in for Bill Harrison by teaching depositional systems and paleontology. Her Ph.D. is from Columbia University, in vertebrate paleontology; she has worked on Miocene sediments and mammalian faunas in the Rio Grande Rift in New Mexico, and is presently working on the biostratigraphy of Oligocene rabbits. She has taken advantage of opportunities here to learn about computers, and expects to employ them in future teaching and research.

John Grace has been occupied with large classes (over 40 students in mineralogy) and over 100 undergraduate majors to advise. John is still trying to look at uranium distribution in the Antrim shale. The problem has been somewhat difficult to resolve. Recently John has been doing some consulting on the effectiveness of montmorillonite as a sealer for landfill sites.

Tom Straw continues to work on the glacial geology and hydrogeology of southwestern Michigan. His interests in the Silurian of Michigan now include studies of meteorites and the paleogeomorphology of the Middle and Upper Silurian. Tom and Chris Schmidt are adamant that their Heart Mountain paper will be completed this year.
In addition to Bob Havira's varied duties as technician, he is teaching a section of earth studies this fall. Bob will also be teaching a photography class in the spring. The Haviras moved to another house (across the street from their other house) this fall.

Ron Chase was on sabbatical leave last year. He spent fall semester in Lakewood, Colorado working at the USGS - Denver Federal Center and in the field near Canon City. Winter semester was spent on campus. Ron co-authored two USGS quadrangle maps in the southern Front Range (still in press) and a paper on the tectonics of the northern Idaho Batholith (Journal of Geology, v. 91, no. 4). Ron taught at the Oklahoma University Geology Camp at Canon City, Colorado last summer and contributed significantly to the reorganization of their field projects. He still plays a lot of tennis and tinkers with his cars. Ron is very busy with teaching activities and his family which now consists of two stepsons as well as his own two sons.

Since the last Newsletter, Chris Schmidt has continued teaching the usual oceanography, physical geology, and structural geology. Structure has over 50 students this fall, so he has been especially busy. He and a number of graduate students are continuing research in the Montana Fold and Thrust Belt; they presented a number of papers at meetings this year. Last summer Chris began a new project in Montana with USGS support. He has also been involved in planning a seismological survey with the Montana Bureau of Mines and Geology. Last December Chris and Carolyn became the parents of Charles Blake Schmidt. Because Carolyn is still at MSU part of the week, Charles has become a familiar personality around the Department.

1982-83 Awards and Scholarships

Senior Honor Award - Geology

   Eric M. Condic
   Laura Krol

Senior Honor Award - Geophysics

   Mark Brumbaugh

Amoco Graduate Fellowship - Geophysics

   Steve Wigger

Presidential Scholar - Geology

   Eric M. Condic

Kalamazoo Geological & Mineral Society Field Trip Scholarship

   Eric M. Condic

Undergraduate Geology Scholarships

   Bridget Wisniewski
   Mary Lannon

Amoco Undergraduate Scholarships - Geophysics

   James G. Konnie
   Joel M. Walter
   Jon G. Lindbom

National Association of Geology Teachers - Summer Field Camp Scholarship

   Laura Krol

Geology/Earth Science Club

The Geology/Earth Science Club meets occasionally. Club activities include showing films, field camp stories, and they created an exciting new game called Geo-Jeopardy.

A Geology Book and Bake Sale was held in mid-November. Proceeds from this event went into a fund to buy tents for the Department. Contributions of baked goods from various students and books donated by the faculty helped net around $300.

The club again sponsored volleyball and floor hockey. The record for volleyball was 1-4 and floor hockey 0-6. Never fear, they were never shut out in any of the competition. Summer events included the softball team making the semi-finals. They lost. Water polo competition begins in February. Hopefully they will stop previous trends.
Alumni News

Lynne Aldrich (Exxon) writes from Houston that she has married a colleague at Exxon and that she has been transferred to work in the Gulf Coast Division dealing with on-shore south Texas. Congratulations!

Linda Miller writes from Anaheim, Calif. She spent a week in Hawaii sunning and shopping.


Bob Timmons writes from Grand Rapids where he is an attorney and partner with Steketee & Timmons. His interest is Environmental Law and Litigation.

Sally Snell is working for Evergreen Resources, Inc. in Jean, Nevada. Sally stopped by the Department this fall to interview students for her employer. Thanks Sally!

Darioush Gahremani received his Ph.D. and is now working as a consultant for Consultex Corporation in Cleveland, Ohio.

Linda Standing Elkins writes she visited Lighthouse Point this summer in Marquette, which brought back fond memories of her mapping problem there.

Bill Schroen (Exxon, U.S.A.) writes from Houston that he is with the Exploration Data Process Center and all is progressing fine. He is married and has a young son about 2 years old.

Julie K. Stein, Dept. of Anthropology, Univ. of Washington, Seattle, is an active teacher and researcher. Julie recently received special recognition for her excellence in teaching at UW. Congratulations!

Visited with Harriet Kloft (Placid Oil, Anchorage) during her presentation of a paper during a poster session at AAPG in Dallas. She enjoys her work and loves Alaska.

Rick Henderson stopped by. He is working for the Michigan DNR and enjoying it.

Mike Sherba is now district manager for Tooke Engineering in Mt. Pleasant, Mich. He reports that Jim Jessmore works for Tooke and has been sitting wells in Illinois.

Nate Fuller (Ohio Geological Survey) stopped by and reported a mini-reunion on a Colorado River Raft Trip in the Grand Canyon occurred with Warren French, Norm Lovan, Ellie Papadopoulos and family, and Gene Murray.

John Frisinger visited the Dept. and reports he is working for Burrows Corp. here in Michigan.

Greg Yund was a visitor and reports he is still with Seiscom Delta in Singapore.

Cynthia Bathrick is now Mrs. Dale Bradrick and is living in Hazelwood, MO. Robin Geesey is now Mrs. James Bartel and is living in Andrews, TX.

Jeff Pfost has a new job and is now in Holland, Michigan.

Dave Hall and Tom Luby (Gulf) have been transferred from Oklahoma City to Houston. Barb Leonard (Conoco) has been transferred from Denver to Houston. Barb has recently married. Congratulations!

Last report from Dave Arnold indicates he is with Exlog in the Sacramento, Calif. office and became engaged to Kim Kessler (B.S. Geology, 1980).

Jerry Nuss (B.S. 82) is now working for KEP Resources, Traverse City, Mich. Tom Hanna is working for Duval Corp. in Alaska.

Dan Truckle stopped by last April and reports he is now living in Montana. Craig Hogarth (B.S. 82) is a graduate student at Michigan State.

Roger Kennett is living in Phoenix, Arizona. Jim Milatz visited the Dept. in November and reports he is employed by St. Joe America in Tuscon in geophysical exploration.
The following students entered our graduate program in September, 1983:

Sukra Apak
Istanbul University, Turkey
Colorado School of Mines

Huseyin Ali Fici
Aegean University, Turkey
Colorado School of Mines

Carl Townsend
Adrian College

Jeff Brown
Olivet Nazarene College

Eric Montgomery
Bridgewater State College

David Warwick
Eastern Kentucky University

Mark Caldwell
University of Michigan

William Morse
Bridgewater State College

Stephen Wigger
Southern Illinois University

Neal Carey
Bridgewater State College

Eileen Shannon
Wittenburg University

Lisa Johnson-Philips
Western Michigan University

Dan Fronczek
State University of New York-Geneseo

David Skrocki
Albion College

John C. Rodwan
Eastern Michigan University

Jeff Hawkins
Southern Illinois University

Jean Taland
Michigan State University

The above individuals joined the following students who entered our program prior to 1983:

Sunas Ghatge
University of Poona, India

Gerard Martin
Bridgewater State College

Robert Watkins
Ferris State College

Joe Hобin
Bridgewater State College

Kent Meisel
Michigan State University

Michael Werkema
Grand Valley State Colleges

Kayleen Jalkut
Bridgewater State College

Ann Nevero
Bridgewater State College

Lula Palmer
Georgia State University

Janet Koehler
Indiana University-Purdue University, Fort Wayne

Kevin Sullivan
Central Michigan University

William Bowman
North Carolina Agricultural & Tech State University

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

Mike Gallagher
University of Puget Sound

Terry Wagner
University of Puget Sound

Michael Streeter
Central Michigan University

William Gierke
University of Wisconsin-Oshkosh

Art Williams
Albion College

Mary Anne Wunderlich
Illinois State University

Mark Sneedlo
Central Michigan University
Grand Canyon Raft Trip - In early June the WMU Foundation and the Department of Geology sponsored a raft trip on the Colorado River through the Grand Canyon. The trip was somewhat different than past trips because of the unusually large volume of water (40,000 CFS) being released from Glen Canyon Dam. The high water provided real thrills through some rapids while others were less challenging than usual. The boatmen assigned by Ted Hatch Expedition were exceptional. They led the group on several hiking expeditions to out-of-the-way places of great beauty and serenity. Leaders of the trip were James H. Duncan (Geology Advisory Council), Tom Kamin (Sun Oil Co., Dallas), and Lloyd Schmaltz.

DEPARTMENT OF GEOLOGY
ADVISORY COUNCIL MEMBERS

Mr. James H. Duncan
First of America Corp.

Mr. Jonn Fowler
Patrick Petroleum Co.

Mr. Robert K. Garrison
El-Can Exploration, Inc.

Mr. Robert C. Minning
Keck Consultants Services, Inc.

Mrs. Mari K. Hall
Penzoil Exploration Co.

Ms. Elizabeth J. Oldham
CGG Data Processing Services

Dr. Harry J. King
Conoco, Inc.

Mr. George McAleenan
Peninsular Oil & Gas Co.

Mr. John Miller
Miller Brothers Oil Co.

Mr. Robert C. Minning
Keck Consultants Services, Inc.

Ms. Elizabeth J. Oldham
CGG Data Processing Services

Mr. Earl A. Schmidt
Kulka & Schmidt, Inc.

Mr. Thomas Segall
Geological Survey Div.

Dr. Brian R. Shaw
Monsanto Oil Co.

Mr. John C. Shea
Exxon Company, U.S.A.

Dr. Roger Steininger
Amselco Exploration, Inc.

Mr. John A. Yellich
Rocky Mountain Energy Co.

FROM LEFT TO RIGHT: Lloyd J. Schmaltz, George McAleehan, Mari K. Hall, John A. Yellich, James H. Duncan, Roger Steininger, Elizabeth J. Oldham, Thomas Segall, John Fowler, Robert K. Garrison, Dr. Brian R. Shaw
Photos of the member of the Council, faculty and WMU Administrators during the reception.

ABOVE: WMU Executive Assistant, Martin R. "Joe" Gagie, Dr. Brian R. Shaw; TOP RIGHT: George McAleehan, Lloyd J. Schmaltz; RIGHT: Elizabeth J. Oldham, John D. Grace; BOTTOM RIGHT: Mari K. Hall, Lloyd J. Schmaltz; BELOW: John Fowler, WMU President, John T. Bernhard
Back Row: Richard Passero, Suhas Ghatge, Kent Meisel, Bill Smith, Mike Gallagher, Jim Konnie, Mary Lannon, Dave Bell, Paul Jurasis, Debbie Maurio, Carol Sampsel, Ben Woodliff, John Grace
Third Row: Amy Campbell, Jan Niewoonder, Ann B. Nevero, Kayleen Jakut, Gerard Martin, Lula Palmer, Terry Martin, Jeff Klan, Joe Mark, Russ Rubley, Joe Schuler, John Playford, Mark Brumbaugh, Mark Sheedlo, Pat Meehan, Bruce Bevler, Wallace Pitcher, John Vlasity, Don Hamilton
Second Row: James Hawkins, Gary Barton, Cindy Wood, Kevin Sullivan, Mary Wunderlich, Rod Thaxton, Bob Zwald, Chris Schmidt, Terri Runyan, Eric Porcher, Lloyd Schmalzt, Thomas Straw
First Row: Ron Chase, Terry Wagner, Bill Harrison, Bridget Wisniewski, Jim Brode, Bryan Mulder, Russ Leviska, Jim Jessmore
Off Center: Scott Green, Rick Wiley

Large fossil ammonite from the Black Hills of South Dakota (background) was donated by Mr. & Mrs. Herschel "Skip" Martin of Allegan to the Department of Geology. From left to right: John Grace, Mrs. Martin, Mr. Martin, Lloyd Schmalzt
Thanks to the improved quality of our new xerox equipment we are happy to include the many photos. We hope you like this new endeavor. The photos came out very well, thanks to the skill of Bob Havira in doing the screening of the photos.

Anyone wanting a copy of last year's Register of Alumni and Friends, may contact the Department for a copy. Again, it would be appreciated if you would complete the following form to keep our files updated.

******************************************************************************************

Name ____________________________________________
Major __________________ Degree Earned ____________
Date of Graduation ________________________________
Name of Spouse if WMU Graduate ____________________
Address ________________________________________
Phone ____________________________________________________________________________
Current Position __________________________________
Professional Interests ____________________________________________
___________________________________________________________________________
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Other News ____________________________________________
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Return to: Dr. Lloyd J. Schmaltz
Department of Geology
Western Michigan University
Kalamazoo, MI 49008