

NEWSLETTER

DEPARTMENT OF GEOLOGY, WESTERN MICHIGAN UNIVERSITY

Volume 1 No. 12

November 1987

Dear Alumni and Friends:

A Personal Note

I'm not sure if this will be the easiest or most difficult letter to write for the Newsletter. I do know it will be the last as Chairman of the Department of Geology. I've decided to retire as Chair and full-time teaching at the end of the fall semester. My new freedom will give me more time to pursue many of the things I have wanted to do for a long time. Marilyn will be retiring from her position in March and we expect to be able to do more traveling, including spending more time with our families - especially our grandchildren. Also, there are many interesting geological regions we have not visited yet. In the near future we would like to visit New Zealand and Australia, the Scandinavian countries, Spain and Portugal, and possibly Japan and China. Marilyn is especially looking forward to places like Samoa, Tahiti, Fiji, Costa del Sol, and Majorica.

Since we both enjoy good health we expect to remain active professionally. I expect to stay close to the department, possibly working on activities for the Core Lab and our groundwater program. I also expect to do a little teaching if the opportunity develops. Marilyn expects to do some volunteer work in the community and looks forward to pursuing several hobbies she has not had time for. In any event we expect to be busy and have fun in the process.

The decision to retire was not an easy one. I do so knowing that in my 28 years at Western I have had the opportunity to meet and work with many dedicated students and friends. It has given me great joy to see so many of my students grow professionally and succeed as geologists and teachers. Certainly this is the greatest reward I can claim for my efforts at Western.

I expect to maintain an office in the department and would like to hear about your accomplishments and activities, or visit with you if you have the opportunity to return to campus.

Department News

Several important events have happened since I wrote earlier this fall. The University has created a Water Sciences Institute for the purpose of research and public service. The Institute will be composed of faculty in the physical sciences, social sciences, and engineering who are interested in solving water problems and the associated human needs and concerns. Dr. Richard Passero has been selected as interim director to guide the program through the early months of development. The department has given its strong support to the project and wishes him success.

I am pleased to report that Dr. W. Thomas Straw has been selected by the faculty to be the new chairperson of the department. Tom has had previous experience as a chair and brings much ability and enthusiasm to his new job. I wish him the very best.

The Core Lab continues to attract an increasing number of visitors from the major and independent oil companies including Mobil and Arco. An Arco recruiter spent October 20th in the department interviewing a number of our students. We hope this is the first sign of more positive things to come.

The Advisory Council held its annual fall meeting. In addition to the business meeting, the day long activities included a panel discussion program on "Environmental Geology: Trends and Careers," and an evening pizza bash. Also, the Council presented a plaque to me with a gold plated hammer.

Our drive to solicit funds for specific scholarships and activities is continuing. The initial response has been encouraging. If you have not had the opportunity to select a favorite activity and send in your contribution please do so at your earliest convenience. Also include news of yourself and any address change.

I hope this year has been productive and I extend best wishes for an enjoyable holiday season.

Cordially,

Lloyd

Plaque presented to Lloyd by
members of the Department of
Geology Advisory Council.
Inscription reads:

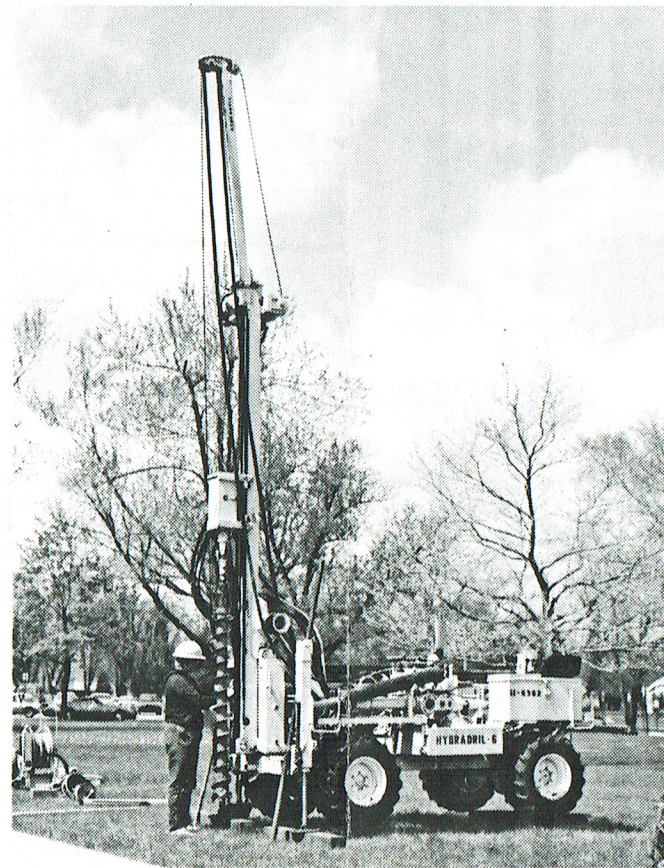
In recognition of your career as
teacher, administrator, and
geologist. You have been an
inspiration far beyond Western
Michigan University.

Thanks,
Advisory Council
Geology Department
Western Michigan University
October 9, 1987

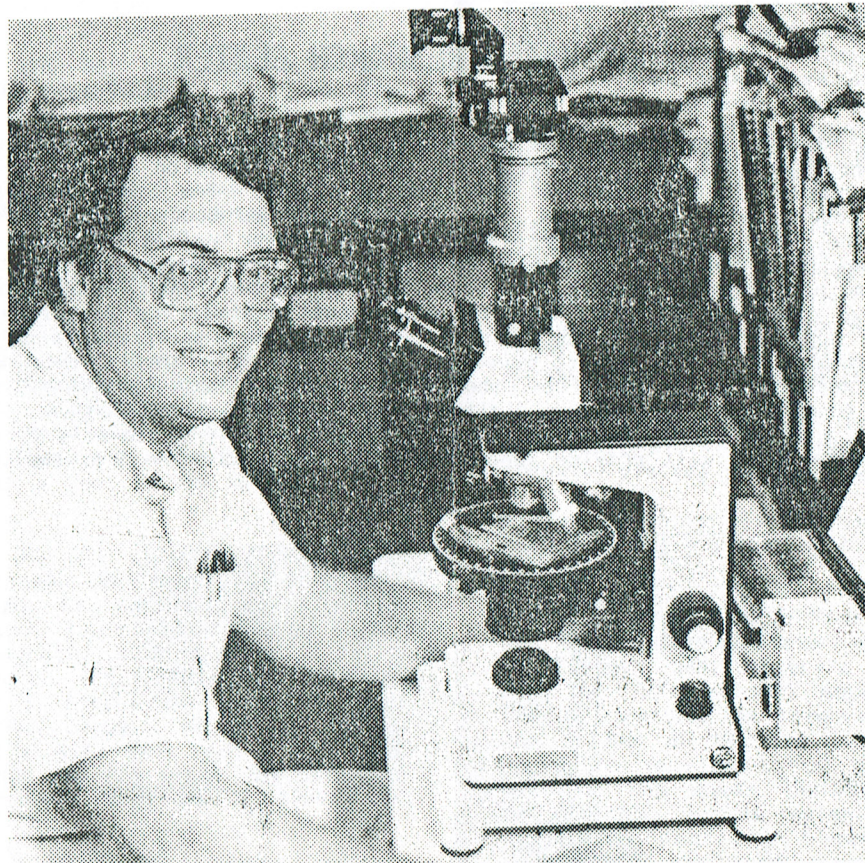


GROUNDWATER RESEARCH CENTER

The Groundwater Research Center has made substantial progress in both research and service. Our E.P.A. funded project on the feasibility of waste injection into the Mt. Simon Sandstone was completed in cooperation with the core lab. Tom Straw and Dan Nicoski completed two county wetlands maps and, with the help of Ted Bodnar, have renovated our pontoon boat and taken cores along the Kalamazoo River for a D.N.R. contracted P.C.B. study. Al Kehew is in the final stages of completing his text, Geology for Engineers, and has been working with water chemistry data from the Southwest Michigan Groundwater Project. He and Tom have passed the first review on a proposal to study the Schoolcraft aquifer system. Duane Hampton's sand box for studying floating petroleum products on the water table is operational and Dick Passero developed an aquifer vulnerability mapping approach with the assistance of Sid Dulaney, Fran Cohen and Pete Haff. Homa Moaddel has our G.I.S. and digitizer functioning and has now digitized the glacial map of Michigan. The water quality lab has a new director funded as part of the University's recently created Water Sciences Institute which will provide support for and complement the Groundwater Research Center.



Sandy Barnick and the department drill rig.



CORE RESEARCH LABORATORY

Bill Harrison and others at the Core Lab continue to accumulate, analyze and interpret the various types of subsurface data collected from Michigan. New activities have been undertaken to develop a computerized data base for Michigan wells. Three undergraduate students are involved in this project: Bryan Roth, Jim McNamara, and Ron Herrygers. They are funded by a grant to the department by Shell Oil Co. Many visitors from oil companies, state surveys, and research groups have used the lab in the last year to look at cores and use the data base.

The Core Lab was given several grants for student research projects by Arco Oil and Gas Co., Tennaco Oil Co., and Miller Energy Co. Amoco Production Co. donated a Leitz Research petrographic microscope valued at \$11,500.

Bill led a group of Amoco geologists on a trip to look at the Cambrian and Ordovician sandstones of Northern Michigan. Bill, Dave Barnes and several graduate students led trips for Mobil and Arco to several Cambrian and Ordovician formations outcropping in Wisconsin and Minnesota. These trips were combined with a two-day core workshop looking at the same age rocks in the Core Lab collection.

DONATIONS

W. DAVID KUENZI SCHOLARSHIP FUND

Contributions to the Fund add to the endowment for scholarship support. Three graduate students were awarded W. David Kuenzi Scholarships for 1986-87. Barry McBride, from Furman University, is doing research on the "Geometry and kinematics of the central Snowcrest Range: A major Rocky Mountain foreland uplift in southwest Montana." The tectonic processes responsible for the formation of the range are being determined through detailed field mapping, balanced cross sections and calcite thin strain analysis.

Brendan Curran's thesis work involves "Facies relationships and depositional environments of the Dundee limestone in West Branch Oil Field, Ogenaw County, MI. Brendan comes to Western from Albion College.

Carolyn Knight, Eastern Michigan University and Toledo University, is researching the "Gravity and magnetic modeling of the mid-continent rift structure in the central portion of the Michigan Basin."

W. David Kuenzi Memorial Fund Contributors

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GEOLOGY DEVELOPMENT AND SCHOLARSHIP FUND

To all the donors listed below we want to express our deepest appreciation for your generous support.

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*Matching Company Gifts

FACULTY BRIEFS

Dave Barnes continues his research on Michigan Basin geology through his involvement with the Core Lab. Research emphasis is on Ordovician "Massive Sandstone," a.k.a. St. Peter Sandstone.

In May Brendan arrived healthy and happy. He is the joy of Dave and Teresa's lives. Teresa is a pastry chef for a local gourmet restaurant, and her art aspirations continue.

Gerry Clarkson has occupied his time during the past year in a variety of ways. He has been involved in teaching the usual courses (introductory geology and the geophysics courses) and supervising the usual and unusual sorts of graduate students working with geophysical topics (seismic, electrical resistivity, gravity, magnetism and heat flow). Along the line of graduate students, something a little different has occurred the past year with the visit of El-arabi Shendi, an Egyptian Ph.D. student whom Gerry is supervising under a joint supervision program with the Suez Canal University. Gerry's heat flow research continues slowly amidst all the other geophysical projects. The past year saw publication (finally) of a couple of papers, one on heat flow in the San Juan Basin and one on the thermal influences in fracturing. Gerry has also done a little traveling during last year trying to stay up on the various areas of geophysics; he attended the NWWA conference in Denver on surface and borehole geophysical methods and groundwater instrumentation, and the SEG short course in Los Angeles on reflection seismic interpretation.

Among the most important events of the past year (to Gerry and his wife Marie, anyway) was the birth of their daughter Rebecca on January 6, 1987. Rebecca is doing fine, however her mother and father sometimes have trouble finding the energy to keep up with her.

Ron Chase continues his unending attempt to maintain a balance between teaching, research, and family. He continues to teach the "hard rock" courses plus an occasional introductory course and also he continues to serve as Graduate Advisor. This past spring and summer were particularly busy for Ron as he taught the Upper Peninsula Field Course for the Geology Department, a two-week field course for area middle-school teachers, and one of the summer sessions at the Indiana University Geologic Field Station. He is a firm believer in "preaching what you practice."

Ron's research continues to be on two fronts: petrological and structural aspects of mountain building and the origin and significance of fractures in clay-rich glacial tills. He spent six weeks last summer on the latter subject as he studied fracture systems along the Lake Michigan shoreline (tough life). Ron recently co-authored a NSF Grant proposal (about \$100,000) with Chris Schmidt to study the structural involvement of Precambrian basement rocks in the development of 14 anticlines in the Rocky Mountain foreland. This proposal is currently under review and, if successful, will involve several students with field projects in Montana, Wyoming, Colorado, and New Mexico.

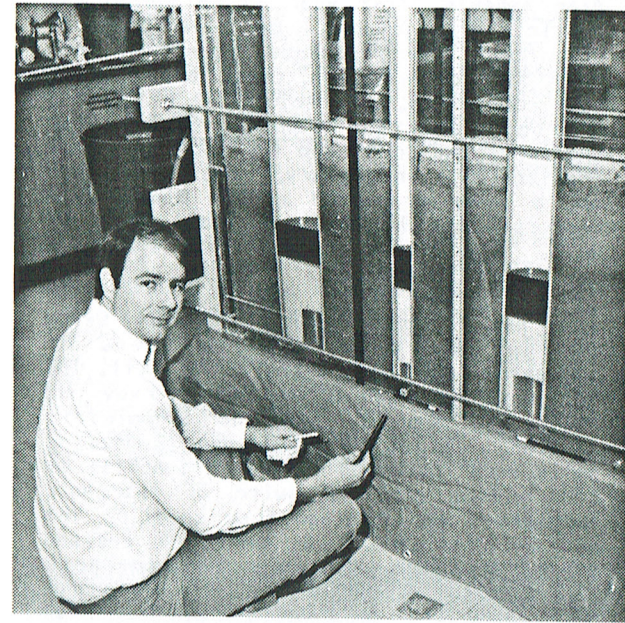
Ron's wife, Chris continues to teach adult education courses in the Kalamazoo region and do double duty as domestic engineer for a very spacy husband. Son Karl is now a freshman at Central Michigan University where his major is yet to be decided upon (he is even considering geology). Son Andy and stepsons Scott and Jamie are all honors students at their respective schools. As the supreme example of sacrifice (and with many tears), Ron recently sold his vintage Mercedes 190 SL roadster to help support present and future legions of college students.

Duane Hampton joined the department in December 1986. He is doing groundwater research funded by the Water Resources and Contaminant Hydrology grant program. Duane also teaches the groundwater modeling class and is helping teach the hydrogeology class. His research at Western is focusing on LUST - Leaking Underground Storage Tanks. Duane has a big glass sandbox in the basement of Rood Hall where he is studying how petroleum products floating above the water table enter various kinds of well screens. Other research interests (besides LUST) are groundwater modeling, contaminant transport, heat and moisture movement in unsaturated media, site remediation and bioremediation.

Duane came to Western from Colorado and Alabama. In Colorado he worked 1 1/2 years for an environmental consulting firm, ERT, as a hydrogeologist in the Fort Collins office. That is where his interest in floating petroleum products began. Duane is currently working on finishing his Ph.D. dissertation in civil engineering (groundwater) at Colorado State University. He hopes to finish this by September, 1988. Prior to working for ERT, Duane was on the civil engineering faculty at Auburn University in Alabama for 2 years, where he also completed his M.S.

Coming to Michigan represents a homecoming to Duane and his family. His wife, Cathy, is from Michigan. They were married after Duane finished his B.S. in geology at Michigan State. Their 4 children - Annette (10), Ruth (9), Mark (7), and Daniel (4) - are happy to be near grandparents and other relatives. Cathy enjoys being back East where fall colors include red. Duane likes Michigan, except for the snow. Ever the groundwater person, he prefers water in the liquid or gaseous state.

The Haviras have become jocks! Bob finally quit smoking about a year-and-a-half ago and joined Barbara in a cardiovascular fitness program of aerobics and running. Bob's resting heart rate has plummeted to about 56 in the past year. Bob and Barb send best wishes to all of their old friends.



Duane Hampton and his sandbox.

It has been an eventful year for Chris Schmidt. In June, after putting the finishing touches on the GSA Memoir he was editing, Chris, Carolyn and son Charlie took a 3 week vacation in Alaska. Chris spent most of the time fly fishing for big salmon and did pretty well. He spent the remainder of the summer in Montana working with grad students Barry McBride and Paul Genovese. Carolyn has taken a job with a scientific consulting firm in Las Vegas and son Charlie is temporarily staying with grandparents in Florida. Chris is trying to cope. After a recent altercation with a horse (mild concussion, cracked ribs, etc.) he has decided not to take up rodeo as a second career.

Chris published several articles last year including a short discussion for a DNAG Centennial Field Guide. His most notable achievement was to finish editing a proposed 30 article book to be published in 1988 as a GSA Special Paper. He is currently working with Ron Chase on a grand scheme to explain extensional tectonics in Montana.

Alan Kehew's first year in Kalamazoo was hectic, but enjoyable. Carryover projects from North Dakota consumed more time than they should, although these are finally near completion. The major time sink was a textbook entitled General Geology for Engineers, which is due for publication by Prentice-Hall in January. Another project was a paper presented at the Binghampton Geomorphology Symposium at Miami Univ. of Ohio. The proceedings of this symposium are due out this fall.

Al's new research moved into full swing during the year. Three areas of concentration included the KL landfill, the Southwest Michigan Groundwater Survey and Monitoring project, and the Schoolcraft aquifer. During the year, new monitoring wells were installed at the KL landfill by EPA and a complete suite of inorganic parameters was obtained from sampling the new well network. Al and Dick Passero talked about the inorganic chemistry in a paper at the North-Central GSA meeting in April and will present it at the NWWA groundwater geochemistry conference in Denver next February. Jim Rudder, a WMU grad student, will also be participating in this paper. The Southwest Michigan Groundwater Survey has reached the end of its initial phase. Al, Dick and several grad students, have participated in various aspects of the project. Papers were given at the conference sponsored by the project, as well as at a groundwater conference in March in Lansing. The conference sponsored by the project was held on campus in November.

The Schoolcraft aquifer project involves Tom Straw, Al, and Roger Wallace of Michigan State. So far, they have mapped out a grand strategy for studying the flow and quality of groundwater in the aquifer, the role of wetlands in the flow system, and the effects of irrigation withdrawals and agricultural chemicals upon the system. The plan consists of installing numerous wells in the aquifer at various depths in order to get a three-dimensional picture of the groundwater flow system. All they need now is money to do it, and they're currently working toward that goal.

On the home front, life was pretty much as you would expect with 2 teenagers and a 3-year old--exasperating. Things quieted down slightly when daughter Michelle went off to Ferris State. Her twin sister Melissa is finishing her senior year of high school, and 3-year old Elizabeth burns off most of her energy during the day at Kinder Care. Al's wife Kay continues to work at Provincial House of Portage, a local nursing home.

Dick Passero continued to direct the Excellence In Research and Development Fund project and serve on the Kalamazoo County Solid Waste Management Committee in its controversial search for a new county landfill. With his customary geologic insight, he has recommended Reed Field house as the county's best site. He was also appointed by Governor Blanchard to the Michigan Hazardous Waste Siting Board and interim director of W.M.U.'s new Water Sciences Institute.

Daughter Kathryn graduates with honors from Michigan State this December in journalism. She was recently inducted into the Golden Key Honor Society. His wife Ginny completed a MS in nursing from Wayne State and hopes to finish her doctorate in science education this semester. In short, Dick will soon be able to retire and be supported by two professionals in a manner to which he would like to become accustomed.

John Grace was on sabbatical leave during 1986-87 at Argonne National Laboratory near Chicago, IL. John was associated with a materials science group and was involved in neutron diffraction studies on minerals at high pressure. He also became involved in work on the new super conducting oxide compounds that have zero electrical resistance at surprisingly high temperatures. All in all, John had a most productive and exciting year.

Tom Straw's activities alone could fill a multitude of pages. In February he had the opportunity to visit the Earth Sciences Department at St. Cloud State Univ. in MN as an outside evaluator. He worked with former colleagues and acquaintances during this evaluation.

For the second year Tom has enjoyed the NCAA basketball finals while on a field trip to southern Indiana and Kentucky. Tom, Bill Harrison and Alan Kehew took a combined geomorph-paleo field trip; luckily the group returned to the land of TV in time for Tom to cheer for the Hoosiers.

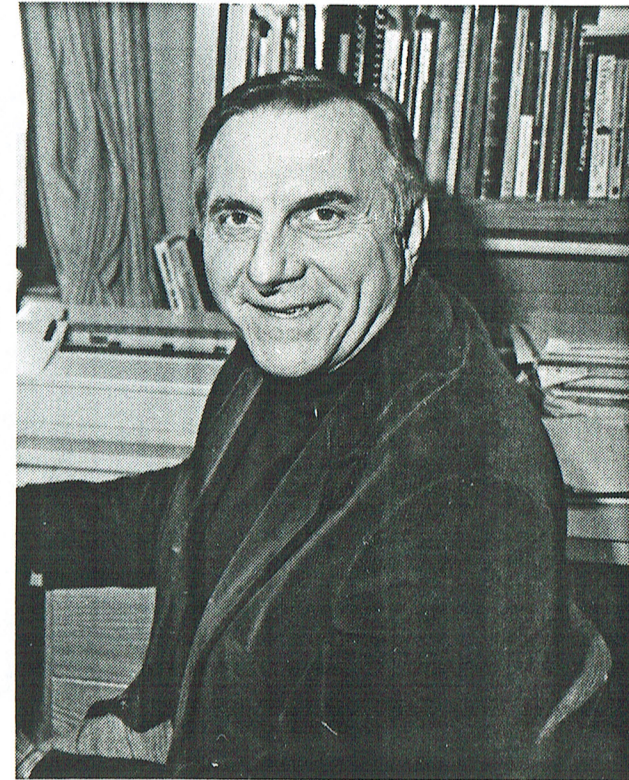
During the winter semester break Tom began studying a coastal marsh in California. His "other waters of the U.S." analysis of this feature is the first such investigation to be completed. It, and a companion's work on the hydrology of the marsh and adjacent upland, will be reviewed by several federal and state agencies as well as a number of environmental organizations. Tom and Odessa report that one of the best aspects of working in California is visiting Anna, their 4 year old granddaughter. Tom says that first hand observation of earthquakes can be an exciting, multi-sensory experience, but that from now on he would rather just see them on the 6:00 pm news.

In May Tom gave an invited paper at the American Geophysical Union meeting in Baltimore, and a week later he was in Seattle to participate as an invited panelist on riparian wetlands in the American west at the annual meeting of the Society for Wetland Scientists. In June he continued the riparian theme by participating in a U.S.E.P.A. sponsored workshop at Reno (Blackjack & Slots), Nevada. He claims that he was too busy to visit the casinos - sure Tom. The workshop was wide ranging and included investigations of riparian, alpine and playa wetlands.

Tom, Alan Kehew and Roger Wallace (MSU-Civil Engineering) have initiated a hydrologic study of a large glacially generated alluvial fan in the Schoolcraft area south of Kalamazoo. They have submitted a grant proposal to the Institute for Water Research at Michigan State Univ. and have been encouraged by comments from the Institute.

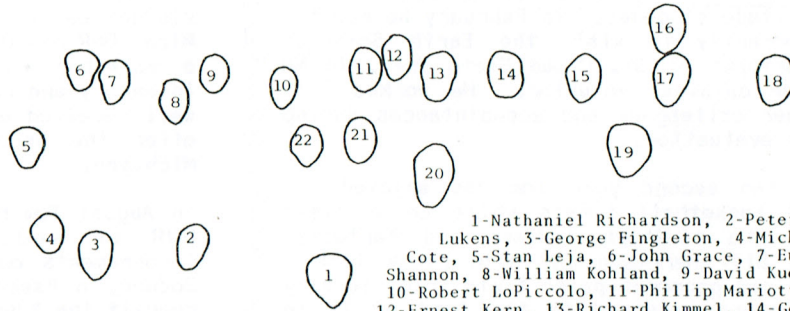
In September Tom, with the help of grad student Dan Nicoski and personnel from the Mich. DNR and U.S. Army Engineers presented a workshop on wetlands classification, inventory and regulation. The material was well received and they are now planning to offer the program at other locations in Michigan.

In August Tom began working with the Mich. DNR on sediment accumulation in impoundments on the Kalamazoo River. Ted Bodnar, a "second masters degree" student rebuilt the "Jubilee" (pontoon boat) and it was used successfully to take cores and dredge samples. They now have a boat trailer and are hoping that this will lead to a continuing relationship with the Mich. DNR to work on the Kalamazoo River.



Tom Straw

WESTERN MICHIGAN UNIVERSITY
Department of Geology
1971



1-Nathaniel Richardson, 2-Peter Lukens, 3-George Fingleton, 4-Michael Cote, 5-Stan Leja, 6-John Grace, 7-Eugene Shannon, 8-William Kohland, 9-David Kuenzi, 10-Robert LoPiccolo, 11-Phillip Mariotti, 12-Ernest Kern, 13-Richard Kimmel, 14-George Williams, 15-Dennis Gauden, 16-Dennis Gebbens, 17-Lloyd Schmaltz, 18-Thomas Straw, 19-Richard Davis, 20-John Yellich, 21-Richard Passero, 22-Elizabeth Garrett. Not Pictured: Richard McGehee, Gail Boettger





Bill Harrison

Bill Harrison's activities for 1986-87 included attendance at several professional meetings. At the Eastern Section of AAPG in Ann Arbor, a paper on stratigraphy and one co-authored paper with Tim Turmelle on diagenesis were presented. Both dealt with the St. Peter Sandstone of the Michigan Basin. Tim was awarded the Margaret Hahn Mirabelle Best Student Paper Award for that presentation.

Bill gave a paper on Ordovician facies and stratigraphy in the Michigan Basin at a GSA meeting in St. Paul. Dave Barnes, Tim Turmelle and Bill presented a poster session on the stratigraphy and diagenesis of the St. Peter Sandstone in the Michigan Basin at the annual AAPG meeting in Los Angeles.

Bill also attended an international symposium on the Devonian system in Calgary, Canada where he presented an invited paper on the Devonian of the Michigan Basin.

1987 SPEAKERS PROGRAM

Visiting Speakers
January - December, 1987

Henry Charlesworth, Univ. of Alberta, Edmonton, "Triangle zone in the Rockies of Central Alberta."

Samuel Savin, Case Western Reserve Univ., "Stable and radiogenic isotope studies of diagenesis in the Muddy Formation, Powder River Basin, WY."

Grahame Larson, Michigan State Univ., "Isotope techniques in determining recharge rates to drift aquifers."

Norman Smith, Univ. of Illinois, Chicago, "Gold! Placers, paleoplacers and the South African Witwatersrand."

Alan Kendall, Univ. of Toronto, "Problems with the origin of giant, basin central evaporites."

David Long, Michigan State Univ., "Submersible studies in Lake Superior."

Thorne Lay, Univ. of Michigan, "Studies in earth structure at the University of Michigan."

Douglas Erwin, Michigan State Univ., "Cambrian Metazoan radiation."

Ben A. Van der Pluijm, Univ. of Michigan, "Evolution of the central mobile belt, Northern Appalachians."

Michael Velbel, Michigan State Univ., "Terrestrial aqueous alteration of Antarctic meteorites."

Richard J. Mandle, U.S. Geological Survey-Lansing, "Overview of the Michigan Basin regional aquifer systems analysis."

AWARDS & SCHOLARSHIPS

Senior Honor Award

James McNamara (Geology)
Kimberly Thiessen (Geology)

W. David Kuenzi Research Scholarship

Brendan Curran
Carolyn Knight
Barry McBride

Advisory Council Scholarship

James McNamara

Presidential Scholar

James McNamara

Graduate College Dean's Research Assistantship

Barry McBride
Homa Moaddel

Graduate College Student Research Grant

Paul Genovese
Ralph Freed
Michele Fults
Carl Lundgren
James Rudder
Robert Versical

Kalamazoo Geological & Mineral Society Summer Field Trip Scholarship

Ronald Herrgyers

Shell Assists Grant

Timothy Cowen
John Matylonek

Tenneco Oil Co. Research Assistantship

Jeff Cottingham

Arco Oil and Gas Co. Research Assistantship

Carl Lundgren

The Geology/Earth Science Club is again underway with a number of activities planned for '87-'88. The annual October pizza/beer bash with the Advisory Council, faculty, and students was a great success. An ice breaker is also scheduled to get members together during the winter semester.

Our money raising projects include daily donut and coffee sales, and bake sales throughout the year. We are also planning to sponsor a raffle. The monies raised will go toward Geology department T-shirts, and also towards a spring field trip in which planning is now taking place.

We are also having fun! One Saturday in November the geology undergraduates challenged the graduate students to a football game. Of course the younger team won - by 1/2 point!

| | |
|-----------------|--------------|
| President: | Don Walsh |
| Vice President: | Andy Graham |
| Secretary: | Lori Wenz |
| Treasurer: | Mark Vincent |



Bev Britt
New Department Secretary

GRADUATE STUDENTS

The following students have returned for 1987-88 and are continuing their studies and/or working on their theses:

Patrick Bartnik
Grand Valley State Colleges
Wayne State University

David Bohan
Eastern Michigan University

Lynn Broede
Illinois State University

Francine Cohen
SUNY - Binghamton

Jeffrey Cottingham
Augustana College, IL

Brendan Curran
Albion College

Ralph Freed
Michigan Tech
Western Michigan University

Paul Geneovese
SUNY Brockport

Peter Haff
SUNY - Binghamton

Gordon Hotchkiss
Hope College

Michael Kasenow
Eastern Michigan University

Sam Kitchen
Calvin College

Carolyn Knight
Eastern Michigan University
Toledo University

Carl Lundgren
Michigan State University

Tim Mayotte
Michigan State University

Barry McBride
Furman University

Paul Micciche
SUNY - Brockport

Homa Moaddel
Hope College

Paul Miller
SUNY - Plattsburg

Victoria Murt
University of Michigan
Western Michigan University

Daniel Nicoski
Eastern Connecticut State University

James Rudder
Furman University

Joseph Smigiel
University of Michigan

Robert Versical
Grand Valley State Colleges

The following students joined the graduate program in January or September of 1987. Those with an (*) are participating in the new 2nd MS degree program.

Rusli Bin Adam
Wichita State University

*Barry Allred
Northern Illinois University

David Balthazor
Michigan State University

*Theodor Bodnar
Idaho State University
SUNY - Albany

*Dave Bolton
Indiana University

John Boynton
Central Michigan University

Pat Barrese
Northern Arizona University

Tim Dellapenna
Michigan State University

*J. Andrew Duwelius
Indiana State University

Eric Fahle
Bridgewater State College

Kathleen Hewitt
Lake Superior State College

Glenn Nicholas Johnson
Lawrence University
Eastern Michigan University

Ben Komrska
Western Michigan University

Eric Larcinese
Eastern Michigan University

Karen (Dean) Mater
Michigan State University

Victor Melbardis
Indiana Univ. Purdue Univ. at
Indianapolis

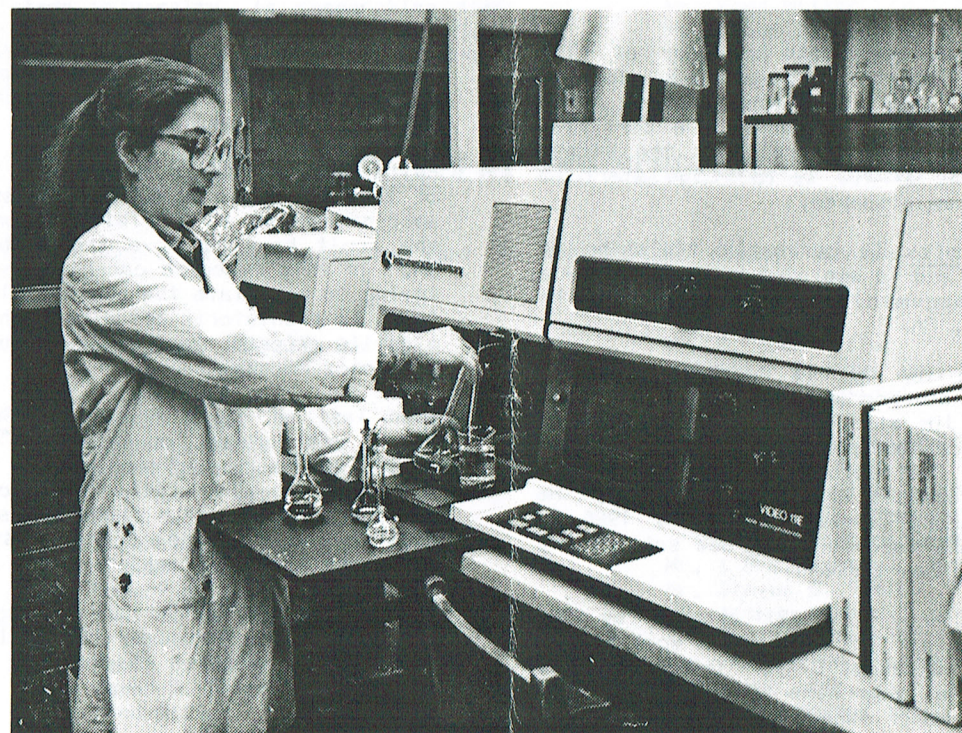
Dan Pingel
University of Wisconsin

*Chuck Soule
University of Arizona
Miami of Ohio

Dennis Tripp
Western Michigan University

Ross Wagner
Grand Valley State Colleges

Linda Wiezcorek
Michigan Technological University



Vicki Murt, grad student, using atomic absorption unit.

ALUMNI LINES

Dave Arnold (BS 80) and Kim Kesler-Arnold (BS 81) are living in Canton, MI. Dave is District Manager and Hydrogeologist at Groundwater Technology, Inc. His work includes groundwater contaminant assessments and aquifer remediation. Kim is Technical Project Manager and Hydrogeologist at E.C. Jordan, Co. Her work includes remedial investigation/feasibility studies at uncontrolled hazardous waste sites as well as hydrogeologic studies for private industrial clients.

Two of our alumni traveled to India about this time last year. Charlie Arruda (MS 80) and Mike Gallagher (MS 84) basically visited the same places and made the same treks around the Mt. Everest and Katmandu areas. When Charlie visited the department he presented a noon time slide presentation of his adventures, the sights, and the people.

Jeannie Baier (BS 78) is owner of "The Pocket Pleaser", a secondhand clothing consignment shop and costume rental store in Sheridan, WY. Jeannie is a certified massage therapist and relieves the stress and tensions of the world - the start of preventive maintenance.

Sandra Barnick is currently finishing up her thesis and is employed by NUS Corp. - a waste management services group in Pittsburgh, PA.

Jim Bohlin (MA 69) is teaching 11th and 12th grade oceanography and 9th grade earth science. Jim also teaches geological and physical oceanography at Bridgewater State College. Professional interests include coastal processes and marine geology. He married Sandra Clarke on July 4, 1986 in Oregon. She teaches 5th grade science and is enjoying New England.

Timothy Clarey (BS 82) dropped by the department last April. He is working for Chevron in Oklahoma City. You'll be glad to know, Tim, your name finally made it on the Senior Honor Award plaque.

Chick Crealese is in MA and is a project director for Goldberg and Zoino, a geoconsulting firm that has just begun a large project in Michigan.

When we last heard from Steve Culver (BS 85), he was a research assistant at Wright State University. Steve uses geophysical techniques to locate buried valleys as possible aquifers for freshwater use and contaminant disposal. If the oil business comes back, his interests will lie with geophysical petroleum exploration.

Tom Drean (BS 74) is working for Conoco, Inc. in Houston. Tom feels his training at WMU has served him well. He is interested in exploration geology, and still has a soft spot in his heart for hard rock geology, ore deposits and geochemistry. He married Kitty (74 WMU grad.) and has two daughters.

Brian Jeffs (BS 86) is pursuing a MS degree at Bowling Green State University. He has become more interested in geobotany and may do a thesis in this area. Brian and his wife Janet are happily married.

Betty Garrett is now a Research Associate of the California Academy of Science. Her appointment is as a field researcher, so she won't have to move from Albuquerque, NM. In this research capacity she will be trying to correlate the pumice/volcanic ash found in prehistoric ceramics with the same ejectile material from the two eruptions of the Jemez Mountains.

When last we heard from Frank Geraci (BS 85) he was working for Chrysler Corp. as a studio engineer, engineering and designing future cars. He still hopes to do some geology related work. Frank was suppose to move to the Los Angeles area last winter - where are you now Frank?

Scott Green (BS 84) is working for an environmental engineer consulting group called Camp Dresser & McKee, Inc. in Chicago.

Fred Heck has completed his doctorate degree and is now doing post-doctoral research work at Northwestern Univ. in Chicago.

Mari Hall announced the birth of a son, David, last July. Congratulations!

Bill Henderson (MS 87, hopefully) is working as a company geophysicist for Environmental Research Technology in their main office in Concord, MA. He travels around the country doing geophysical surveys.

Jenny Hoffmann (BS 79) is a district geologist for the Groundwater Quality Division of the Michigan DNR. Her professional interests include: portable field gas chromatography, computer graphics/data management, geochemistry of groundwater, fate of pollutants, and groundwater contamination investigations.

Dave Howell (MS 87) is now working on his doctoral degree at the University of Illinois at Urbana. Dave has just published two papers on the thermodynamic properties of zeolites.

Joe Ford is studying for a MS degree in economics at WMU.

As usual, we received a lengthy letter from Nate Fuller last January with an update of activities from the previous year. Nate traveled extensively throughout the year: he visited friends in Alabama, helped lead a field trip in the spring for the North-Central GSA meeting, presented a paper in Canada at an international meeting of shoreline geologists, and received an award from the local community theater group in Sandusky, OH. Nate spent a week floating between Denver, Golden and Ft. Collins, CO. Besides visiting friends, he lectured at the University of Colorado, hiked in the foothills, and helped save a couple of fishermen when their boat overturned in a lake. Sounds like you were at the right place at the right time, Nate!

Ben Komrska has worked for the planning department in Traverse City this past year and is now in Kalamazoo picking up some hydrology courses in the department.

When last we heard from Thomas Laux (BS 77) he was still employed by Amoco Production Company - Kalkaska Operations. Tom would like to return to academia and further his interest in Niagaran age coastal fluvial systems of the Michigan Basin. However, his current middle class married suburban double income no children lifestyle precludes that.

Scott Leistner (BS 82) is living in Phoenix, AZ and is employed at the Home Insurance Company as a workmen's compensation claims representative. Scott still actively pursues earth science knowledge and rock collecting.

Bob LoPiccolo (MS 72) is still with Union Texas Petroleum and is a senior staff geologist. His wife Gayle has started teaching junior high science this year. They have two kids: Diane 12, and Robby 7.

Gerard Martin (MS 85) is working and living in the Plymouth, MA area. This past year brought his first child, Taryn.

Barry McCool is working for Soils & Materials Engineers, Inc. in Battle Creek.

Bruce McLeod (MS 72) continues to teach chemistry at Green Bay East High School. Bruce really enjoys living in N.E. Wisconsin, and he recently purchased his first computer.

James Meinke (MA 72) is an earth science teacher in Lakewood, OH. He presented a talk to the Cleveland area science council to increase educational science motivation. Jim is still working on restoring his 150 year old quarry master house of Cleveland Quarries World Largest Sandstone quarry. He sponsored a field trip with OSU on the area and glacial oddities of mid-Ohio north shore. His 3 year old son Ryan actively helps his dad during spring mapling season.

Pat Norton (BS 86) has been a recent visitor to the department. Pat is working for a title insurance company in Ann Arbor and hopes to enter law school soon.

Joe O'Sullivan (MS 74) is now in his 4th term as President of the Brockton Education Association, the 133rd largest local in the 2.2 million member National Education Association. He's on the NEA congressional contact team assigned to lobby for the 11th congressional district in D.C. for both the 99th and 100th Congress. Joe chairs the Massachusetts Teacher's Assoc. committee on services to large locals, representing interest of 1/3 of the state teachers. He also fights Patrice 9, Karen 7 and wife Betty 29+ for a spot in the bathroom each A.M.

Ron Parker (BS 77) reports life in the Pacific Northwest (Bellevue, WA) is great. Currently, he is working at a small geotechnical firm directing field personnel, working with clients, doing projects, sales, etc. This past year he took trips to Alaska and motored from Seattle to San Diego. He enjoys family life with his wife Deb and 5 year old daughter. Ron saw Ray Perez (BS 86) last March and reports that he is living in Houston.

Reply from James Peterson (BS 71, MS 74) after last year's Newsletter, said he was happy to still be employed by Axem Resources, a private oil company in CO. He and his wife Carol were both renewing their secondary teaching certificates - just in case.

Bob Ramsey paid a visit to the department recently. He has been working for UNOCAL in L.A. California for the past five years as an exploration geophysicist in their international division.

Tom and Mary Robyn sent a newsy letter in October. Cutbacks in the minerals business caused Tom to be laid off; he became a consultant, like so many others in the same position. He has been consulting with an Australian company looking for gold properties in the U.S. Mary has gone back to school and is enrolled in the Masters in Accounting program at the University of Colorado. They have two daughters: Laura 8, and Debra 4.

When we last heard from Terry Runyon (BS 85) she was a hydrologist for some consulting engineers in Sarasota, FL. She also has done some earth science teaching at a junior college. Terry specializes in wastewater treatment plants - percolation/evaporation, pond capacities and reverse osmosis units.

Craig Rupnow (BS 85) is a geologist for Groundwater Technology, Inc. here in Michigan. He is interested in the detection and restoration of groundwater contaminated by petroleum hydrocarbons and organic chemicals. Craig was married in August, 1986. Congratulations!

Bill Schorger (BS 77) is a consultant geophysicist in the Denver area. He recently visited the department.

Eileen Shannon is now working for an environmental engineering firm out of Grand Rapids.

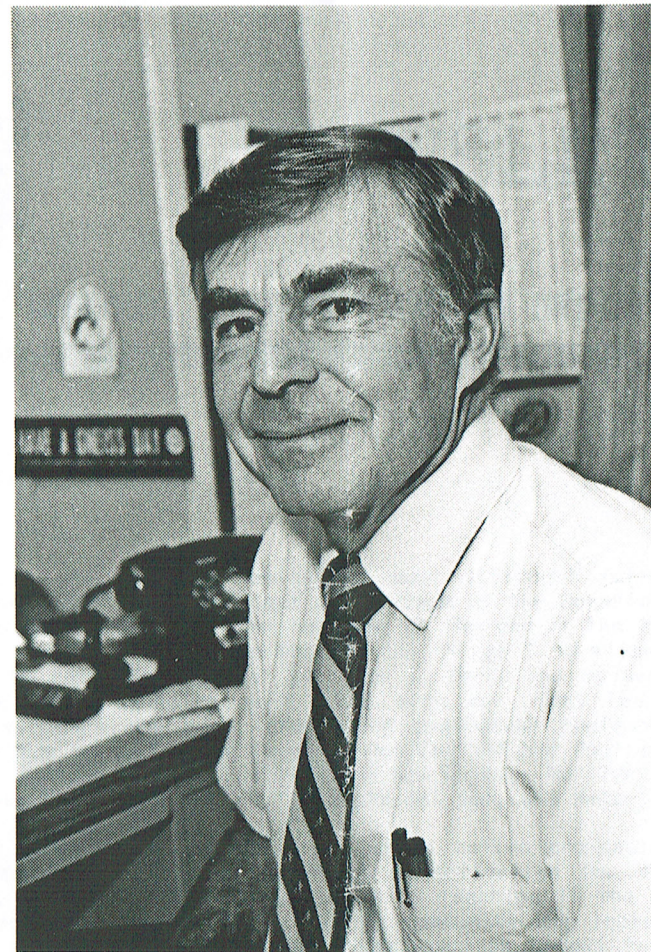
Greetings from Liberia from Thomas Sherman (BS 68), Deputy Minister of Lands, Mines and Energy. Last January's issue of AFRICA NOW, an international magazine based in London, featured an interview with Tom on the UN Law of the Sea Conference. This convention provides a "set of rules for the uses of the seas; including fisheries, navigation, marine scientific research, pollution control, mineral resource development and the conservation of the living resources."

Kevin Serrin (BS 85) is a logistics analyst for American Systems Corp. in VA. His job involves defense contract management for TRIDENT submarines, and he studies and analyzes financial data pertaining to purchasing equipment, parts and weapons to support TRIDENT submarine construction. He'd move back to Michigan in a heart-beat if he could find a good job.

Arlene Shub (BA 79) lives in Kalamazoo and is working for Keck Consulting out of their Portage office.

Julie Stein (BS 74) has been given tenure at the University of Washington. She is still seriously involved with geoarchaeology, especially stratigraphy and sedimentation, and is directing a large excavation on San Juan Island in Puget Sound.

Steven Vealey (BS 76) is a student again pursuing graduate studies at the Colorado School of Mines.



You are cordially invited to attend
a reception and dinner honoring

Lloyd Schmalz

on his retirement from
Western Michigan University
as
Chairperson of the Department of Geology

Friday, December 11, 1987

Call (616) 383-1775 for information and reservations
by December 4, 1987

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Newsletter prepared
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