

GEOSCIENCE NEWS

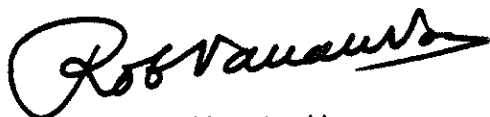
for alumni and friends of the Department of Geological Sciences
The University of Michigan, Ann Arbor, Michigan

October 1982

CHAIRMAN EXTENDS HIS GREETINGS

Dear Geolumni: It seems the last newsletter to you went out just yesterday, but football Saturdays and the beginning of classes are here to remind me that it is time to write again. This fall's *Geoscience News* will bring you once again news from the department, the faculty and students. It has been a good year in general, not in the least because of the many alumni contacts, which I enjoy very much, but also because of your generous support.

I hereby encourage all of you to write to us (form provided in this issue) with information for the Spring *Geoscience News*. Many of you wrote to say that you enjoyed reading the items of last April's letter. We would like very much to repeat or even increase the format, so please drop us a note! With my warmest regards,



Rob Van der Voo
Chairman

ALUMNI BOARD RETURNS TO ANN ARBOR

As this newsletter goes to print, we are entering one of the most important weeks on our academic calendar in that our Geological Alumni Advisory Board comes to Ann Arbor September 23-25, for their annual visit to the Department. This group was organized and met for the first time in September 1981. The activities of the Board range from constructive reviews of our Departmental programs including the capital fund campaign, to suggestions of ways we can improve communications.

Board members visiting this year are **John Amoruso** (MS 1957), **Robert Blair** (MS 1960), **John Greene** (MS 1970), **Chuck Hewitt** (PhD 1957), **Curtis Lundy** (MS 1958) and **Robert Vincent** (PhD 1973). **Bill Smith**, (MS 1948) our seventh board member had an inescapable conflict but we do hope to see him in 1983, because he is a staunch supporter of the Department. **Bob Vincent**, President of *Geospectra* in Ann Arbor, chairs the alumni board, while Professor **Bill Kelly** serves as liaison to the faculty. You are extremely well represented by this hard working group of colleagues.

This 1982 meeting of the Board is

GEOLUMNI COCKTAIL PARTY TO BE HELD OCTOBER 18

The annual meeting of the Geological Society of America (GSA) will be held in New Orleans, October 18-21, 1982. GSA members should have received detailed information on the meeting directly from the society. The Michigan Geolumni cocktail party is scheduled for Monday, October 18, from 6:00 p.m. to 9:00 p.m. on Level II of the Hyatt Hotel.

The department hopes you will be there in great numbers and looks forward to seeing you at the party to acquaint, reacquaint or talk about old times or new times. If you are attending the annual meeting or live close to New Orleans, please stop by. We are always anxious to maintain our contacts, in fact, we thrive on it!

GRAD STUDENTS COMPLETE DEGREES

During the past year 17 graduate students completed their programs. Our congratulations once again to these students. A list of their theses follows:

- ALEXANDER, Amanda Joyce (MS 1982)
"Sedimentology and Taphonomy of a Middle Clarkeforkian (Early Eocene) Fossil Vertebrate Locality, Fort Union Formation, Bighorn Basin, Wyoming"
- BROWN, Peter McKay, (MS 1982) "A Paleomagnetic Study of Piedmont Metamorphic Rocks from Northern Delaware"
- CARLSON, Sandra Jean, (MS 1982) "Functional Analysis of a Carpodid Aulacophore"
- CZERNIAKOWSKI, Lana Ann, (MS 1982)
"Marine Burial Diagenesis of the Austin Chalk: A Stable Isotope Investigation"
- EASTMAN, Daniel Brian, (MS 1982)
"Multidirectional Deformation History of the Hoback Canyon Area of the Western Overthrust Belt, Wyoming"
- HUSPENI, Jeffrey Ralph, (MS 1982)
"Petrology and Geochemistry of Rhyolitic Volcanic Rocks Associated with Tin Mineralization in Mexico"
- JOHNSON, Rex J. E., (MS 1982)
"Paleomagnetism and Late Diagenesis of Jurassic Carbonates from the Jura Mountains, Switzerland and France"
- KAPPEMEYER, Janet Carol, (MS 1982)
"Quartz Deformation in the Marquette and Republic Troughs, Upper Peninsula of Michigan"
- KRAUSE, David Wildred, (PhD 1982)
"Evolutionary History and Paleobiology of Early Cenozoic Multituberculata (Mammalia), with Emphasis on the Family Ptilodontidae"
- MCCABE, Charles Law, (MS 1982)
"Paleomagnetic results from the Upper Keweenaw Chequamegon Sandstone and Implications for Red Bed Diagenesis and Late Precambrian Apparent Polar Wander of North America"
- PERIGO, Russell Edward, (MS 1982)
"Paleomagnetism of Late Precambrian-

- Cambrian Volcanics and Intrusives from the Armorican Massif, France"
- SCHENK, Christopher Joseph, (MS 1982)
"Analysis of Stratification Produced by Eolian Sand Ripples"
- SCOTT, George Norman, (MS 1982)
"Temperature Equilibration in Boreholes: A Statistical Approach"
- TAYLOR, Carl H., (MS 1981) "Sulfur Gases Produced by the Decomposition of Sulfide Minerals: Application to Metallic Minerals Exploration"
- TAYLOR, Mark (MS 1982) "Fluid Inclusion Evidence for Fluid Mixing, Mascot-Jefferson City Zinc District, Tennessee"
- WINKLER, Dale Alvin, (MS 1981)
"Paleoecology and Taphonomy of an Early Eocene Mammalian Fauna in the Clarks Fork Basin, Northwestern Wyoming (U.S.A.)"
- WISNIOWIECKI, Michael James A., (MS 1982) "A Pennsylvanian Paleomagnetic Pole from the Mineralized, Late Cambrian Bonne Terre Formation, Southeast Missouri"

ALUMNI BOARD RETURNS TO ANN ARBOR (continued from page 1)

one of critical importance because we are now finalizing plans for a capital fund campaign. We will keep you informed as these activities proceed.

All of us in the Department are deeply grateful to every member of our Geological Alumni Advisory Board for their loyalty, energy and time. These are all busy people who must allocate those assets with caution. We are privileged they place such high priority on goals and needs of geology at Michigan. This year, their dedication was epitomized by John Amoruso who, as President-Elect of the American Association of Petroleum Geologists, had an overwhelming excuse not to attend the alumni board meeting, but who said he would attend because, "This Michigan effort is still very important to me."

ALUMNUS STILL FLYING AFTER 62 YEARS

"What a pleasure it was to receive and read the May issue of the alumni newsletter," wrote Fred E. Jacob (AB 1921). "It took us into decades past as we read and talked about the happenings."

At 83, Jacob is one of our oldest living alumni. He is quick to recount his years in the department, especially when he and Lawrence Gould (ScD 1925, LLD 1954) were assistants to the now deceased Dr. William Hobbs. "It was our job to run the slides and take the roll. We had to make sure the proper body was in the assigned seat and that it was not some freshman sent by the fraternity house to fill a seat for a lazy student," continued Jacob.

But even more memorable was the opportunity of a lifetime Jacob says he missed when he turned down an invitation to accompany Adm. Richard Byrd on his second trip to the Antarctic. Dr. Hobbs, his geology professor at the time, sought volunteers for the expedition and suggested that Jacob think it over, but Jacob suggested that Gould go instead because he was more knowledgeable of that type of work. Gould, who now lives in Tucson, Arizona, went as second in command of Byrd's second trip.

When Jacob left the University in 1921, with dual degrees in geology and journalism, geologists were a dime a dozen he said. And so he embarked upon a career in journalism until the late 30's when he founded the Jacob Equipment Co., Inc. Jacob still serves as board chairman of the company which specializes in engineering design and construction of fixtures and refrigeration in stores for florists, food markets and liquor stores.

His son, Fred A. Jacob has held the presidency since 1960, freeing his father to devote more time to his favorite pastime ---- traveling, preferably by air. "However, as of a

year ago I'm no longer flying solo," said Jacob, "which means for the first time since 1928 my wife and co-pilot is now in the back seat."

Many of his memories are recounted in his recent book *Take Offs and Touchdowns - My 60 Years of Flying*, which was released last October and is now in its third printing. Jacob and his wife have been to over half a dozen cities in the United States, autographing books.

"I'll be in Ann Arbor before the first of '83 to see that the department gets an autographed copy of my book," concluded Jacobs. We in the department anxiously await your arrival!



Fred Jacob and his wife Evelyn are shown next to their plane, which he flew to Ann Arbor in 1971 for their 50th reunion.

Geoscience News is compiled twice a year for alumni and friends by the Department of Geological Sciences, The University of Michigan, Ann Arbor Michigan.
Editor: Lin Cargo
Dept. Chrm.: Rob Van der Voo

FACULTY ACTIVITIES

Charles B. Beck, (PhD 1955) received a three year, \$120,000 National Science Foundation grant for study of the morphology and systematic relationships of Middle Devonian vascular plants preserved in the Millboro shale of Virginia.

During the past summer he attended the North American Paleontological Convention in Montreal and meetings of the Paleobotanical Section, Botanical Society of America at Pennsylvania State University where the results of recent studies of Middle Devonian plants were presented in two papers.

Paul L. Cloke, (PhD 1954) served as one of seven panelists chosen to assist the Nuclear Regulatory Commission (NRC) in evaluating ongoing and proposed research supported by the NRC to provide a sound basis for evaluating licensing applications for the geologic disposal of high level radioactive wastes. To his considerable surprise Cloke was the only geologist or geochemist on the panel which met in Silver Spring, Maryland in June. The panel will meet again in early fall.

In September, Cloke (and Stephen Kesler of the department) received notification of funding by the National Science Foundation for experimental and observational research on the chemistry of extremely high salinity fluid inclusions, such as those found in porphyry copper deposits. In their view this research is of fundamental importance for understanding the genesis of immediately postmagmatic ore bodies, for theoretical chemistry of high salinity liquids at elevated pressures and temperatures, and probably for technological applications to the purification of industrial chemicals.

John A. Dorr, Jr. (PhD 1951) spent part of the summer at Camp Davis in Wyoming and in the Bighorn Basin helping several graduate students begin their field thesis research. His personal time while there was spent

working on Early Cretaceous non-marine synorogenic deposits.

Currently Dorr is serving on the executive board of the graduate school and is an advisor for undergraduate geology concentrators.

In December he will be going to India to study sedimentation on the Indogangetic Plain as a modern analog for deposition of synorogenic clastics of Cretaceous and Early Cenozoic age in the Overthrust Belt of Western Wyoming and Southeast Idaho.

Donald F. Eschman (PhD 1953) was nominated for second vice-chairman (chairman elect for 1985) of the Geomorphology Division of the Geological Society of America. In addition he was invited to lecture at Cranbrook Institute of Science, Bloomfield Hills, Michigan, on the glaciation of Southeast Michigan.

Eschman has been busy submitting and delivering papers, one for the Geological Society of America, another for the International Geological Correlation Program on glacial deposits, to name a few.

Eric J. Essene (PhD 1967) has just finished writing a chapter on Geologic Thermometry and Barometry for a book on metamorphism which will be the text for a short course this fall.

He is beginning research on a metamorphic transect across the Canadian Grenville from near Sudbury to Kingston to join with previous work in the Adirondacks.

William R. Farrand (PhD 1960) initiated National Science Foundation funded research in the Sinai Peninsula. Farrand and archaeological colleagues concentrated on Late Pleistocene fluvial and lacustrine deposits in the wadis and looked for verification of glaciation on the high peaks of Jebel Musa and Jebel Katerina.

With Rackham support Farrand will be back in Egypt this December with archaeologists, this time in the Western Desert.

He was reelected secretary of the American Quaternary Association (AMQUA)

FACULTY ACTIVITIES (continued)

for another two years. He was kept quite busy as this was the year of AMQUA's biennial conference held in Seattle, Washington.

Daniel C. Fisher (PhD 1975) gave two invited papers this summer at the North American Paleontological Convention in Montreal. One, based on his work on horseshoe crab evolution, suggested a new approach to explaining variations in long-term evolutionary rates. The other presented some of his conclusions on the relationships of receptaculitids (a group of problematic Paleozoic marine organisms).

His project on mastodon butchering by Paleo-Indians received a boost early this fall with the discovery of what seems to be yet another butcher site, near Lapeer, Michigan. Although the sample of butcher sites is still small, evidence is mounting in favor of the suggestion that Paleo-Indian hunting practices played an important role in the extinction of mastodons.

Phillip D. Gingerich (PhD 1974) was awarded the Schuchert Award by the Paleontological Society at last year's Geological Society of America meeting. This award is presented annually to a paleontologist under the age of 40 for excellence in paleontology.

Gingerich continues to work summers in Wyoming and autumns in Pakistan supervising National Science Foundation sponsored projects seeking to elucidate the early Cenozoic origin of modern orders of mammals.

E. William Heinrich (PhD 1947) spent three weeks in Alaska this past July. He will retire from teaching in December but will continue his research at the University until the end of 1983.

Phillip L. Jackson (PhD 1970) has been involved during the year with four projects including seismic monitoring and geologic investigation in Anna, Ohio, sponsored by the Nuclear Regulatory Commission; confirmation by

geophysical means of remote sensing lineaments in western Kentucky, sponsored by the U. S. Department of Energy; simultaneous digital modeling of several geophysical data sets, sponsored by the U.S. Bureau of Mines and analysis of radar imagery of the terrain, sponsored by the Army Engineering Topographic Laboratory.

Jackson's recent publications include two journal articles and a book chapter to be published by Wiley.

William C. Kelly (PhD 1954) was on sabbatical leave for the academic year. He divided his time between laboratory work in Ann Arbor and numerous field trips related to his research program. The latter included a jaunt to Saudi Arabia and several trips to mines in Arkansas, Missouri, New York and Michigan's copper country.

Kelly served as a co-convenor of a Penrose Conference held in Missouri in May on the theme "Hydrodynamics and Geochemistry of Ore Generation in Sedimentary Environments." He spent the preceding month as a Distinguished Visiting Professor at the University of Alberta and, along the way, gave lectures at the Universities of Wisconsin and Utah.

Kelly continues to juggle various appointments to national committees and he has been nominated for the Presidency of the Society of Economic Geologists.

Stephen E. Kesler (PhD 1966) continues to make several celestite exploration trips to Mexico a year. One highlight has been the opportunity to work on several satellite image analysis projects in western Mexico with alumnus Robert K. Vincent of Geospectra (PhD 1973).

Robert V. Kesling (PhD 1949) was invited to give the keynote address at the International Symposium on Ostracoda in Houston, Texas this summer. It was a week long meeting attended by micropaleontologists from China, Russia, Australia, Yugoslavia, Germany, France and a dozen other

FACULTY ACTIVITIES (continued)

countries. Two speakers were his former students: Murray Copeland of the Geological Survey of Canada and Sabeekah Al-Abdul-Razzaq of the University of Kuwait.

In August, he and Mrs. Kesling celebrated their 40th wedding anniversary with children and grandchildren, making their home the most active and exciting hotel in Ann Arbor.

Kyger C. Lohmann (PhD 1977) was one of three faculty and 17 students participating in a Sohio Petroleum Corporation sponsored field trip to Southern Florida in May. This was the Sedimentary Geology group's first trip to Florida.

Samuel I. Outcalt (PhD (1970) began a three year study of pals and related ice segregation features in Alaska. The study is being sponsored by the National Science Foundation.

Robert M. Owen (PhD 1975) received a research grant from the National Science Foundation Deep Sea Drilling Project to investigate (along with Bruce Wilkinson of this department) the fabric and chemical composition of Early Tertiary Western Pacific Calcite Oolites.

He presented an invited paper on "Geochemical Exploration for Marine Minerals" at the International Oceanography Meeting in Brighton, England.

Owen will be on sabbatical leave during the fall semester of 1982.

Donald R. Peacor (PhD 1962) won an Amoco Teaching Award. He has begun a new project on the treatment of containment materials for nuclear wastes, initiated by the Nuclear Regulatory Commission (NRC) and arranged in conjunction with alumnus Don Alexander (PhD 1981) of the NRC.

Henry N. Pollack (PhD 1963) has been appointed Associate Dean for Research in the College of Literature, Science and the Arts for a period of three

years. While serving in the Dean's Office, Pollack will continue to teach and work with graduate students in geophysics. He is currently developing a new method of analysing bottom hole temperatures in sedimentary basins. In addition, he recently returned from a lecture tour in Czechoslovakia, East Germany, West Germany and Berlin.

Pollack's wife Lana is a candidate for the Michigan State Senate from Washtenaw County. Her opponent in the November election is alumnus Roy Smith (BS 1950)!

Larry J. Ruff (PhD 1981), new assistant professor in Seismology, spent a good portion of the summer attending meetings in France and Italy.

He was named a Shell Faculty Fellow, which carries a three year award of \$45,000 for research and equipment. Michigan was one of only five universities to receive the award, funded by the Shell Foundation.

Gerald R. Smith's (PhD 1965) review article "Late Cenozoic Freshwater Fishes of North America," appeared in *Annual Review of Ecology and Systematics* this past year.

Rob Van der Voo (PhD 1969) completed his first year as Department Chairman. When asked whether he likes the chairmanship or not, Van der Voo's reply is "Don't ask." Nevertheless, he even had time for some research and teaching and attended several national and international meetings.

This past June Van der Voo was elected Fellow of the American Geophysical Union. In addition he was busy organizing a symposium on Permian continental configurations and pre-Mesozoic plate tectonics.

Van der Voo also reports that several visiting scholars have joined the group for paleomagnetic research on rocks from Mexico, France, North America and the Caribbean. Scholars include Assistant Professor Herve Perroud of the University of Rennes, France and Jaime Urrutia - Fucugauchi of Universidad Nacional Autonoma de

FACULTY ACTIVITIES (continued)

Mexico and Ulrich Bleil of Ruhr University, Bochum, West Germany.

Bruce H. Wilkinson (PhD 1973) spent two weeks in May on a group field trip to southern Florida examining Paleozoic and Quaternary carbonates. The excursion was made possible by a gift to the department from the Sohio Petroleum Corporation.

In June, Wilkinson spent two weeks in the southwestern Idaho deserts examining sedimentary facies of the Tertiary Glens Ferry and Chalk Hills formations. Then it was on to Camp Davis in Wyoming, where he has conducted the introductory geology course for the past decade.

James L. Wilson (PhD 1949) spent the summer traveling. Courses and seminars were given in Tulsa, Northern Mexico, Florida, Bahamas and New Orleans during May. Mid June through July was spent in the field in Wyoming and Montana, at the American Association of Petroleum Geologists and Society of Economic Paleontologists and Mineralogists meetings in Alberta, and in western Australia for three weeks to examine ancient and recent carbonates and evaporites.

From Australia Wilson went on to Europe for a course in the Alps and then to the International Sedimentological Congress in Hamilton, Ontario, where a number of well received papers were presented by the carbonate group at Michigan.

David V. Wiltschko (PhD 1977) turned loose eight students in the Appalachians and Western Cordillera this summer. Besides making small stones out of big ones and backing up the thin section machines, most are studying the ways thrust terraines work by looking in detail at how their constituent rocks deformed. Wiltschko says he's taking applications for a good appointments secretary to deal with all these folks.

STUDENTS RECEIVE AWARDS

Two of our students, **Andy Kopania** and **Mike Jackson**, have won National Science Foundation three-year fellowships, joining our previous fellows **Sandy Carlson**, **Karen Cercone**, **Larry Anovitz** and **Heyo Van Iten**.

American Association of Petroleum Geologists (AAPG) awards for thesis research were given to **Kathy Breining**, **Karen Cercone**, **Frances (Betsy) Julian**, **Andy Kopania** and **Susan Schwartz**. These five awards were among a total of 55 grants at an average of \$720 per student.

A new student, **Neil Hurley**, has been named Exxon Teaching Fellow. His generous fellowship, including tuition and fees, was awarded to the department by the Exxon Education Foundation. Hurley joined us after having worked for four years at Conoco Inc. His previous degrees are from the University of Wisconsin at Madison (MS 1978) and the University of Southern California (BS 1976).

This spring, **Bill Bartels**, working for his PhD in vertebrate paleontology, received an Outstanding Teaching Assistant Award from the University, as well as a Rackham Predoctoral Fellowship.

Joaquin Ruiz and **Erich Petersen**, both PhD students in Economic Geology, won Rackham Dissertation Grants in the amount of \$1200 each.

To all these students, once more our congratulations. Collectively their awards as well as those too numerous to mention from other sources, attest to the increasing quality and scholarship of our graduate student population.

DEPARTMENT RESEARCH FEATURED

Included in the mailing of this issue of the departmental newsletter, *Geoscience News*, is a complimentary copy of *The Research News*. This is our way of sharing with you departmental research that was recently featured in this University publication.

HELP US LOCATE MISSING ALUMNI

The Department has lost track of the following 209 alumni. If you know the whereabouts of anyone listed, please let us know. We'd like to send them a current issue of *Geoscience News*. The year of their last University of Michigan degree or affiliation is given in parentheses. Degrees not completed are further indicated by ND.

Archibald, Gary (60)
 Bachus, Littleton (52)
 Balian, Alfred (71)
 Baily, III, Joseph (75)
 Barnes, Lt. Col. Gordon (56)
 Barnes, John (50)
 Baykal, Orhan (46)-ND
 Beam, Alvin (62)
 Bennett, Debra K. (74)
 Bivens, Noel W. (53)
 Boneham, Roger F. (68)
 Book IV, James (64)
 Boudouris, James (55)
 Braden, Darwin S. (58)
 Bristol, Hubert M. (37)
 Brown, Julia Wilson (29)
 Brown, Kenneth A. (76)
 Buchanan, Eleanor Johnson (47)
 Buchi, Sylvia Duncan Hall (62)
 Carlson, William S. (38)
 Carter, Roland W. (41)
 Chase, George A. (59)
 Childs, Orlo E. (45)
 Chin, George E. (54)
 Cooley, Mary E. (27)
 Cooney, Patrick J. (54)
 Cork, James A. (53)
 Costello, Richard J. (55)-ND
 Cregger, David M. (73)
 Cropper, Wallace J. (51)
 Daoust, William L. (24)
 Dawson, Michael K. (71)
 Deane, Rodney W. (59)
 Decker, Edith Bryan (44)-ND
 Deimen, Lawrence A. (52)-ND
 Delach, Margaret (Marilyn Norton) (46)
 Dell, Carol I. (71)
 Denison, Dr. David F. (69)
 De Windt, J. Thomas (66)
 DeWitt, David B. (76)
 Dillon, Edward L. (48)-ND
 Dooley, Peter C. (72)
 Drummond, Ronald G. (62)
 Erkkila, Ruth M. (65)
 Ervin, Thomas L. (75)
 Estelle, Duane (71)
 Farbsten, Lee H. (42)
 Fellows, Larry D. (57)
 Ferm, John C. (49)-ND
 Flenniken, William R. (56)
 Focht, John D. (56)
 Forsythe, James T. (52)
 Frarey, Murray J. (54)
 Galas, Christodoulos A. (58)
 Gould, Jay A. (60)
 Graf, David L. (57)
 Graham, Edward J. (75)
 Gripman, Ray B. (43)
 Gross, Eugene (62)
 Hammial, Leroy L. (43)
 Han, Te-Hsin (50)-ND
 Harbke, Richard C. (62)
 Harnden, Donald P. (53)
 Haymond, Edgar (56)
 Hedrick, Lt. Col. Charles (65)
 Heikkinen, Susan Mary Chase (55)
 Hiles, Robert M. (54)
 Holm, Donald A. (33)-ND
 Hornbaker, Allison L. (47)
 Hough, Jack L. (Faculty) (74)
 Howes, Lorne D. (57)
 Hunsberger, Steven (73)
 Ingerson, Maurice J. (20)
 Jerome, Stanley E. (37)
 Kean, Jefferson R. (57)
 Kildal, Edwin (49)
 Kinney, Gordon (56)
 Koch II, Wm. F. (73)
 Kolvoord, Roger W. (62)
 Kyle, Douglas H. (58)
 Lamb, Donald C. (58)-ND
 Langenbahn, Wm. E. (60)
 Lipp, Edward G. (48)
 Litsey, Linus R. (47)
 Lizotte, Marcel R. (62)
 Long, John (51)
 Lowe, William F. (24)
 Lund, Richard (63)
 Lyle, Mitchell W. (73)
 Mabie, Curtis P. (58)
 MacCourtney, Jose Alberto (44)
 MacNish, Robert D. (66)
 Malstrom, Carlton (51)
 Miller, Barry B. (63)
 Mitchell, James F. (70)
 Mitzel, Roger G. (60)
 Mok, Chee-Sun (48)
 Mortensen, Martin E. (75)
 Myers, Paul E. (68)

MISSING ALUMNI (continued)

McEneaney, John E. (75)
 McNair, Andrew H. (35)
 Neault, Robert R. (51)
 Nufer, Daniel C. (54)
 Ortiz, Maria L. (74)
 Perelstein, Erwin S. (56)
 Phelps, Robert A. (53)
 Pi-Sunyar, James A. (55)
 Ploch, Richard A. (63)
 Porter, Karen Wegner (64)
 Price, Floyd R. (73)
 Quashie, Lloyd A. (60)
 Redden, Pamela P. (72)-ND
 Reinke, Jr., Charles A. (54)
 Remick, Jerome (58)
 Richter, James B. (53)
 Robert, Jean-Louis (59)
 Rodwell, James A. (62)
 Rogers, Kenneth J. (57)
 Rosen, Sherman J. (76)
 Rutkowski, Chester (51)
 Rymph, Wendy Jo Feuer (72)
 Santos, Elmer S. (54)
 Scherzer, Howard (78)
 Schieck, David E. (72)
 Schwartz, Alan C. (75)
 Scofield, Louis M. (74)
 Scott, James M. (39)
 Seavoy, Ronald E. (53)
 Shahly, Mark (78)
 Sharp, David A. (72)
 Shedlock, Robert J. (75)
 Singer, Eugene A. (51)
 Skutnick, Alois M. (50)
 Smith, Edward W. (42)
 Snider, Louise Finegold (54)
 Sokolsky Jr., George E. (60)
 Sonneborn Jr., John P. (61)-ND
 St. John, Jack W. (47)
 Stawski, David J. (61)
 Stinson, Ruth M. (45)
 Stott, Laurence R. (74)
 Street, Michael R. (60)
 Sutherland Jr., Gordon A. (56)
 Swanston, Douglas N. (60)
 Thomas Jr., Norman (57)
 Thurmer, Diane E. Burgess (74)
 Tremper, Lauren R. (73)
 Truettner Jr., Walter James (54)
 Turner, Barbara L. Ruderman (69)
 Vantine, Robert Elmer (43)
 Vitorello, Icaro (78)
 Vojir, Joseph L. (61)

Wald, Stephanie (71)
 Webb, William M. (64)
 Weber, Margaret Pendleton (46)
 Wells, Julia A. Broadfoot (67)
 White, James E. (51)-ND
 Wilson, Herschell T. (55)
 Winchell, Robert E. (61)-ND
 Winter, Gary A. (77)
 Wolardarsky, William (55)
 Woodruff, Laurel G. (73)
 Worth, Anthony L. (59)
 Wright, Robert P. (71)
 Zier, Stephen J. (59)

The following list of people are friends of the department whose current addresses are unknown.

Abraham, Nazeeh
 Auen, Carolyn
 Bigsby, Philip
 Bruemmer, Jerry Lee
 Buck, Richard L.
 Chandler, Ruth W.
 Coplan, Jordan
 Cowan, Iain
 Cummins, Deal L.
 Cyphers, James
 Eary, Edmond L.
 Fielder, Gary
 Gelabet, Pedro
 Hall, Karen
 Hamilton, Alice
 Hodges, Alice Reid
 Kumble, Rashvir
 Lally, Felix
 Lauer, Jon R.
 Lee, Charles G.
 Leugn, Lit-Kwan
 Lustig, Michele
 Makower, Kim
 Meadow, Harold M.
 Murphy, Daniel
 Olsen, Annabel Brown
 Papenguth, Hans
 Peacock, Douglas
 Reilly, George
 Rennie, III, George
 Rundle, Arthur S.
 Sable, Vera
 Sabol, Mark
 Shade, John

MISSING ALUMNI (continued)

Shafer, Willis
 Simonberg, Elliott
 Tilchin, Michael
 Turdell, Laurence
 Underwood, Lloyd
 Ward, Arne
 Way, Harold
 Weller, Frederick
 Wellman, Dean
 Zuidema, Laura



ALUMNI ENCOURAGED TO SEND NEWS

As part of our general effort to keep in closer touch with you we have now completed the entry of addresses into our computer system of approximately 1370 alumni. We are already finding that this speeds up corrections and keeps us better posted on who is where and doing what. In past years, it was virtually imposible to keep an accurate file of addresses, particularly for an active group of geologists frequently on the move.

We will continue to rely upon you to keep us informed if you relocate, change company affiliations, or have other news that we and your fellow alumni enjoy hearing about. Information sent to us between now and April 1, 1983 will appear in the May issue of Geoscience News. A form for your convenience is provided in this issue.

GEOLUMNI NEWS FORM

Please send us news of yourself to share with other department graduates. Return to Geoscience News, Department of Geological Sciences, 1006 C. C. Little Science Bldg., Ann Arbor, Michigan 48109.

Name: _____ Degree: _____ Year _____

Address: _____

Career Changes: _____

Recent Awards: _____

Civic Recognition: _____

Other News: _____