

# HOOOSIER GEOLOGIC RECORD

Vol. II, No. 1 Alumni Newsletter of the Department of Geology Summer 1982

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## WHAT'S NEW IN THE DEPARTMENT?

### INTERNATIONAL ACTIVITIES

Currently, faculty members of the Department of Geology are engaged in more international professional activity than ever before in the Department's history.

Abhijit Basu, curator of petrology, presented two invited lectures in India at the Presidency College and Lady Brabourne College of Calcutta University. He also presented a paper at the annual meeting of the Meteoritical Society in Bern, Switzerland, during August 1981.

Jeremy D. Dunning, assistant professor, presented two papers at the NATO Advanced Study Institute on Adsorption and Surface Mobility held in Les Arcs, France, during September 1981.

From February 1981 until March 1982, Cornelis Klein had a visiting research associate in Bloomington from Tsukuba University, Japan. Dr. Takashi Miyano and Dr. Klein did joint research on theoretical aspects of metamorphic iron silicates and on diagenetic riebeckite. Abstracts on these subjects were given at the GSA annual meetings in Cincinnati.

In the summer of 1982 Professors Cornelis Klein and John Hayes along with Howard Gest (of Biology) will participate in a geologic field excursion in western Australia. Others who will also be part of this trip are: Professors J. William Schopf of UCLA,

(Continued on next page)

## A MESSAGE FROM THE ACTING CHAIRMAN

To I. U. Geology Alumni and Friends:

During the past year Haydn Murray has been taking a well-deserved sabbatical leave, and I have been pinch-hitting for him as department chairman. This has been a very busy year for geology at Indiana University. Our long-term increase in the number of undergraduate geology majors is continuing; we continue to attract an excellent group of graduate students, all of whom find good jobs when they complete their degrees; our faculty and graduate students continue to produce important research, much of it with the aid of external funding; and we continue our service role to our profession, the university, and the

larger society. Although we think we are performing well, we are never satisfied. We always strive to do better. But doing better is becoming increasingly difficult because of limited funds from the state. The geology department is more fortunate than most departments in having generous alumni and corporate contributors. This allows us to carry out many projects that would not be possible if we depended solely on university funding. Such contributions are more important now than ever if we are to proceed with our efforts to make geology at Indiana University better than ever.

Sincerely,  
J. Robert Dodd

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# DEPARTMENT NEWS, continued

David Chapman of UCLA, and James C. G. Walker of the Univ. of Michigan. Dr. Malcolm Walters of the Baas Becking Labs in Canberra will be the Australian partner. This excursion, which will be funded by a NASA grant to Walker, Hayes, Klein and Schopf, is part of continued joint research on Precambrian paleobiology.

Prior to going to western Australia, Dr. Klein will spend two weeks in the field in South Africa as a guest of Professor Nicolos Beukes of Rand Afrikaans University in Johannesburg. This trip will allow a geologic overview and sampling of the major Precambrian iron-formations in South Africa. This research is supported by Klein's ongoing NSF grant on "Comparative studies of Precambrian iron- and manganese formations."

Noel C. Krothe, associate professor, gave a paper in October 1981 at the International Association of Hydrologists Karst Conference held at Moscow, Sukhumi, and Tbilisi, USSR.

Enrique Merino, associate professor, presented four lectures in Spain during June 1981 at the University of Madrid and Escuela de Ingenieros de Minas, Oviedo.

Haydn H. Murray, professor and chairman, gave talks and visited government laboratories and universities in Tierra del Fuego, Buenos Aires, Rosario, Córdoba, and La Plata, Argentina, during July 1981. Later in the summer he presented papers and chaired a technical session at the Seventh International Clay Conference, AIPEA, in Rome, Italy. During Spring 1982 he was in the Weipa region of Queensland, Australia, studying kaolin and bauxite deposits.

Edward M. Ripley, associate professor, visited Norway, Sweden, and Finland in July 1981 to participate in the Nickel Sulfide Field Conference and International Geological Correlation Program on sulfide deposits in mafic and ultramafic rocks.

Lee J. Suttner, professor, visited England during September 1981 to participate in the International Fluvial Sedimentology Conference, an interdisciplinary conference

on rivers and river sediment held at the University of Keele.

Professor Emeritus Charles Vitaliano and Dorothy Vitaliano traveled to the People's Republic of China in April 1982 as members of a mining and economic geology delegation. The delegation was sponsored by the People-to-People Citizen Ambassador program initiated by Dwight Eisenhower during his presidency to promote goodwill between the United States and various foreign countries. Some 15 non-ferrous metals mines, mainly in eastern China, were visited and topics of mutual interest were discussed with Chinese geologists. Professor Vitaliano presented a talk entitled "Tungsten mineralization in contact metamorphic zones in the United States."

Robert P. Wintsch, associate professor, spent his sabbatical leave during the fall semester 1981 at the Geologisches Institut, ETH, Zürich, Switzerland, and was at the University of Leeds in England during spring 1982.

## MORE FACULTY NEWS

David L. Dilcher, professor of paleobotany, has been elected president of the International Association of Angiosperm Paleobotany.

Albert J. Rudman, professor, has been selected to participate in the Standard Oil Company of California Visiting Professor Program in 1982. He will be visiting laboratories and offices in La Habra, San Francisco, Denver, and New Orleans in a program designed to allow professors to become more familiar with the present state of the oil industry.

Robert H. Shaver, professor, is field trip chairman for the 1983 national meeting of the Geological Society of America. He also is the regional coordinator for the American Association of Petroleum Geologists to manage and produce a Precambrian-to-Recent correlation chart for the eight-state Midwestern-Southern area.

Lee J. Suttner, professor, has been elected president of the National Association of Geology Teachers.

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# DEPARTMENT NEWS, continued

N. Gary Lane, professor, along with recent doctoral degree recipients Thomas Kramer and William Ausich, received the SEPM outstanding paper award in the Journal of Paleontology at the AAPG meeting in San Francisco in June 1981 for their paper on the fossil communities of the Borden Delta in Indiana.

## STUDENT AWARDS

In April, the Department honored its outstanding undergraduate and graduate students at our annual awards ceremony. The awards and recipients thereof are:  
Undergraduate

Faculty Senior Awards - Elizabeth Blair, Mark Nearing  
Junior Award - John Hidore  
Undergraduate Research Award, Natural and Mathematical Sciences, College of Arts & Sciences - Elizabeth Blair  
Undergraduate Research Awards, Honors Division - Elizabeth Blair, Kathleen Kordesh  
NASA, Lunar and Planetary Institute Summer Internship - Kathleen Kordesh  
USGS-NAGT Cooperative Summer Traineeship - Margaret Wang  
Charles F. Deiss Award - Sean Rooney  
NAGT-Cities Service Summer Scholarships - Barbara Bagby, William Boone, William Giles, Rebecca Sayer  
Phi Beta Kappa - Cole Abel, Barbara Bagby, Elizabeth Blair  
Sigma Xi - Elizabeth Blair  
Arco Awards - James Ferry, John Hidore, Kathleen Kordesh, Sean Rooney, Rebecca Sayer

## Graduate

Outstanding Associate Instructors - Christopher Maples, Martin Yates  
Estwing Award - Christopher Maples  
Cummings Award - Peggy Visher  
Sigma Xi - Marcus Johnson, Christopher Maples, Elise Porter, Diane Symber, Martin Yates  
Arco Awards: -  
Geology - David Brewster, Howard Feldman, Steven Saines  
Geophysics - James Bogardus, Bradley Hoffman, David Smith

## INDUSTRIAL FELLOWSHIPS AND GRANTS TO THE DEPARTMENT

The Department is most appreciative of the substantial investment by a number of companies and individuals in our graduate and undergraduate programs. In these difficult financial times for higher education, their support along with that of our generous alumni and friends has greatly enriched the scope and quality of education in geology and geophysics at Indiana University.

Texaco, Inc. has renewed its graduate fellowship (\$8,000). Texaco (Geophysics) also awarded the Department \$2,000 in unrestricted funds.

Chevron U.S.A. has renewed its graduate fellowship in geophysics (\$7,000 plus fees). Chevron also presented the Department with a grant of \$2,500 for undergraduate scholarships.

Shell has a new graduate fellowship of \$7,500.

We continue to award the Lowe's and Grassman Fellowships (each \$4,800 plus fees) in industrial minerals.

In addition, the Department has received grants from Cities Service (\$3,000), Exxon (\$7,000), and Mobil (\$2,000).

Sohio Petroleum Company supported our program in sedimentary geology this year with a grant of \$6,000 to provide a series of research seminars and short courses. Dr. Bruce Wilkinson of the University of Michigan and Dr. Robert Folk of the University of Texas were the distinguished visitors during the past academic year. Sohio has renewed this highly successful program with a grant of \$7,000 for 1982-83.

## RECENT FACULTY RESEARCH GRANTS

Eleven grants to individual faculty have recently been awarded to Professors Basu (NASA), Dodd (NSF), Dunning (Amoco), Dunning (NSF), Klein (NSF), Krothe (Kennecott), Lane (NSF), Manchester/Dilcher (NSF), Ripley (NSF), Suttner (Amer. Chem. Soc.), and Wintsch (Research Corp.). By the time this newsletter is received, we hope a number of additional grant proposals will be funded.

# ALUMNI NEWS

In preparation for this newsletter, we asked a number of our alumni for information concerning their activities now and since their student days, and their responses have been excellent. Unfortunately, space does not permit us to relate all of their items of interest to old friends and associates. We deeply appreciate their letters and enjoy being informed of their activities. We hope that all alumni and friends will keep in touch with us through the years.

1930-1939

Marion Fidler, AB'34, MA'36, PhD'42, formerly president, chief executive officer, director, and chairman of the board of Mountain Fuel Supply Company, Rock Springs, Wyoming, now serves or has served on the board of directors of the American Gas Association, Independent Natural Gas Association of America, Rocky Mountain Oil and Gas Assoc., Chamber of Commerce of the U.S.A., Utah Manufacturers Assoc., Pro-Utah, Inc., Salt Lake Area United Fund, Utah Foundation, Utah Safety Council, First Security Bank of Utah, First Security Corp., Utah Symphony, Utah Heart Assoc., Rock Springs National Bank, St. Mark's Hospital of Salt Lake City, Entrada Industries, Wexpro Co., and Interstate Brick Co.

James Reeves, AB'36, MA'39, served 28 years with Sinclair in various capacities before becoming an independent geologist working primarily in Oklahoma. We are also pleased to report that he has quite successfully recovered from coronary by-pass surgery.

F. Hubert Latimer, AB'37, is retired and is doing some consulting in Dallas after a long career with Sun Oil Company which included advancement to manager of exploration for the lower 48 states and for Sun Oil Co., Ltd. in Canada.

Lester Logue, AB'38, after working as a paleontologist for Standard of New Jersey in Venezuela and spending three years in the armed services, was instrumental in the organization of Exploration Surveys Inc.

and Exploration Seismic Inc., for which he served as vice-president until 1953. Subsequently he has been involved with Logue and Patterson Inc. and Logue Development Corp. in oil and land development. He also has another corporation, Empresa Rio Oris, S.A., in Venezuela exploring for gold and diamonds on the Guyana Shield.

Howard Tipsword, MA'38, has retired to Missouri after a career which included service with Amerada Oil in Tulsa, Socony-Vacuum in Venezuela and Colombia, Magnolia Petroleum in Louisiana, and Mobil in Houston and Dallas.

Walter Spangler, AB'39, MA'40, after a career with the Standard Oil Company of New Jersey (Exxon) family of companies where he held positions including exploration supervisor and exploration manager in Venezuela, Guatemala, Belice, and Great Britain, among others, remains active with consulting geology work.

1940-1949

John Combs, AB'40, is retired and living in Indialantic, Fla., after some 40 years as an airline pilot.

Preston McGrain, AB'40, MA'42, continues to be with the Kentucky Geological Survey, where he has been assistant state geologist since 1950 and head of the Industrial and Metallic Minerals Section since 1964.

Everest Wible, AB'41, after serving as division manager for Patrick Petroleum Corp., Oklahoma City, is now part-time consultant to the company. Previously he worked in the Illinois Basin for Bell Bros. Co. and Aurora Gasoline Co., and also in Kansas and Oklahoma for Aurora, Marathon, O. A. Sutton, and McClure Oil Co., holding various positions including exploration manager and division manager.

Frank Kottowski, AB'47, MA'49, PhD'51, has been awarded the AAPG distinguished service award. He also was honored recently for 30 years of service to the New Mexico Bureau of Mines and Natural Resources and by having a fossil named

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# ALUMNI NEWS, continued

after him, Neostlingoceras kottlowskii.

George Winston, MA'47, is now a consulting geologist in Florida after having spent 16 years with Carter Oil Co. in various assignments in the Michigan Basin, Illinois Basin, and Williston Basin. He also was involved in projects in Florida, Louisiana, Mississippi, Alabama, and Tennessee.

Robert Bieberman, AB'48, MA'50, senior petroleum geologist with the New Mexico Bureau of Mines writes that a new addition will be constructed this year to house the Bureau's oil and gas records, which, along with the sample library, fall under his jurisdiction.

Donald Hyer, AB'49, MA'51, vice-president, Texaco U.S.A., has recently been selected to be in charge of exploration.

Kenneth Waters, AB'49, MA'50, has been named president of Texoma Production Co. in Houston. He joined the company last year as vice-president for exploration and production activities, and had been executive vice president since July 1981.

1950-1959

Richard Erd, AB'50, MA'54, is thriving with the USGS after 30 years at the Survey, and has projects he plans to pursue for many more. Currently he is studying an unusual mafic, alkalic diatreme, in northwestern California with Dr. Gerald Czamanski.

James Harris, AB'51, director of the U.S. Office of Surface Mining, spoke at the 1981 fall meeting of the Illinois-Indiana section of the AIPG held in Bloomington.

Gordon Grender, BS'51, MA'52, continues to be at Virginia Tech, where he spent five years as department chairman in a career that has included a PhD degree from Penn State along with years with Standard of California, Jersey, and Esso Production Research, and a short stint of teaching at Allegheny College.

George Puscas, AB'51, MA'53, remains with Gulf Oil Corp. and presently is in

Midland, Texas, where since 1980 he has been manager of the Production Geology Dept. of Gulf Oil for the Southwest.

Helen Beikman, AB'52, is rounding out a 30-plus year career with the USGS, having started out part-time in Bloomington and then moving on full-time in 1952 with succeeding assignments in Washington, D.C., Albuquerque, Menlo Park, and Reston, Va. Currently, she coordinates two mineral land assessment programs, one with the Bureau of Land Management, and a second with the Bureau of Indian Affairs. Helen is especially noted for her outstanding contributions to the compilations of the geologic maps of the United States (with Philip King) and of Alaska, as well as her major role in the improvement of employment opportunities for women scientists. Helen is now preparing to embark on a second career involving the planning of courses in interior and architectural design and in realty management prior to forming a corporation whose function will be buying and renovating historic structures in northern Virginia.

Samuel Riely, BS'52, MA'53, is on assignment with Mobil in Jakarta, Indonesia, where he finds life interesting and exciting, both professionally and personally.

John M. Smith, BS'53, MA'56, has advanced from geologist to chief geologist and director of lands and exploration for Georgia Kaolin Co.

Robert Boyer, MA'54, dean of the College of Natural Sciences for the University of Texas, has been elected vice-president/president-elect of the American Geological Institute for 1982. Dr. Boyer was recently honored by the University of Texas at Austin's Geology Foundation "for his many years of service as chairman of the Department of Geological Sciences and for his work with the Foundation." In addition, a \$250,000 endowment honoring Dr. Boyer was made to the University of Texas by James R. Moffet of McMoran Oil and Gas Co. to support a professorship. It also should be noted that Robert Boyer was chosen as the 1980

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# ALUMNI NEWS, continued

recipient of the NAGT Neil Miner award for excellence in teaching. Congratulations!

Teruo Yamamoto, BS'56, MA'57, remains with the U.S. Dept. of Agriculture Forest Service with major involvement in watershed management research and mined land reclamation research. He has served in Vicksburg, Honolulu, and since 1966 has been in Rapid City, S.D.

Pei-yuan Chen, MA'57, is now employed by Gulf Science and Technology in Pittsburgh, Pennsylvania.

Michael Cowen, BS'57, MA'58, an independent consulting geologist since 1960, is a principal and officer of Aztec Producing Company, Inc., an independent oil and gas producer in the Michigan Basin.

George Nevers, MA'57, after stints with Chevron in New Mexico, Texas, and Colorado, and in regional exploration for King Resources Co. in Denver, joined Coastal Corp., Denver and Houston, for which he has been serving as senior vice president for exploration and production since 1978.

William Dixon, BS'58, MA'66, has been with the Illinois Geological Survey since 1975 working primarily in studies of waste disposal sites, including groundwater conditions at prospective well sites. He is currently serving a two-year term as chairman of the North-Central Section of the Assoc. of Engineering Geologists.

R. Gordon Pirie, BS'58, MA'61, PhD'63, is with Schlumberger-Doll Research in Ridgefield, Conn., since 1978 after 15 years on the faculty of the University of Wisconsin-Milwaukee.

Robert Cullers, BS'59, MS (Chem)'62, has been promoted to full professor at Kansas State University, Manhattan.

Thomas Hirschmann, BS'59, MA'63, is in his native Guatemala, where he is general manager for the Swissboring Overseas Corp. and very excited about a current contract for a 738-foot high double-arch dam in Honduras. Previously he headed the Geotechnics and Foundation Division of the Guatemala National Institute for Electrification and also worked in management for Christensen Diamond

Products in San Jose, Costa Rica, and Mexico City, Mexico.

David Mathews, BS'59, MA'60, has recently returned from 12 years in Alaska and is area geophysicist with Union Oil Co. of California, Midland, Texas.

1960-1969

Lawrence Skelton, BS'60, was recently awarded the second oak leaf cluster to the U.S. Air Force meritorious service medal on the occasion of his retirement with the rank of lieutenant colonel. He is now branch manager of the Kansas Geological Survey, Wichita.

Roger Cuffey, AB'61, MA'65, PhD'66, has been a full professor at Penn State for three years now and recently has been serving as chairman of the Northeastern Section of the Paleontological Society.

Ronald J. Walton, BS'61, received his advanced degrees in computer science after leaving IU, but now reports that he has returned to geology as the ADP coordinator for the U.S. Geological Survey in Colorado.

George Leckie, MA'62, PhD'64, remains with British Petroleum for which he has served in Australia, New Guinea, Scotland (regional geologist for the North Sea), Singapore, and London (regional geologist for Northern Europe). He is soon to be on assignment in Abu Dhabi.

Larry Woodfork, BS'64, MA'65, continues to serve the West Virginia Geological and Economic Survey, and has advanced to assistant to the director and assistant state geologist. He also holds an adjunct appointment as associate professor of petroleum engineering at West Virginia University. He is past president of the Eastern Section of AAPG, is currently president-elect of the American Institute of Professional Geologists, and also serves on the advisory council of the national AAPG executive committee.

Myra Woodfork, MA'64, is pursuing her interest in music with graduate study at the University.

Harvey Barrett, MAT'68, received the

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# ALUMNI NEWS, continued

Doctor of Science Education degree from Virginia Tech in 1977, and now is principal of Campostella Jr. High School in Norfolk, Va.

David Weinberg, BS'68, has been promoted from research group leader to director of geology research, Exploration and Research Division of Conoco in Ponca City, Okla.

Peter Calengas, AB'69, MA'75, PhD'77, has been granted tenure at Western Illinois University.

1970-1979

Sigrid Asher-Bolinder, BS'72, is now the USGS lithium commodity geologist. She and Dick Asher, BS'72, are celebrating the approaching first birthday of their first child, Molly Alison Kathleen.

Inda Immega, MA'73, PhD'77, is in charge of the Economics Section, Mid-Continent Division, Shell Oil Co., Houston.

Neal Immega, MA'72, PhD'76, is now senior research geologist in Shell Development's organic geochemistry group.

Robert Sterrett, BS'72, received his PhD degree from the University of Wisconsin in 1980 and is now project hydrogeologist with Woodward-Clyde Consultants, San Francisco.

Arlen Grove, AB'74, MA'81, has moved from Mobil where he was a production geologist to join Ladd Petroleum as senior exploitation geologist for the Gulf Coast Division.

Eric W. Robbins, AB'74, MD'78, is a radiology resident at the U.S. Army Fitzsimmons Medical Center in Aurora, Colo.

Becky Weimer, AB'74, remains enthusiastic about her many activities with the Nevada Bureau of Mines and Geology, for which she has been employed for the past eight years.

Edward Crisp, PhD'75, is now employed by Forney Oil Co. in Houston.

Nancy Darnell, MA'75, is the new secretary of the Rocky Mountain Association of Geologists.

William Ausich, MA'76, PhD'79, has been promoted to associate professor at Wright State University, Dayton, Ohio.

Johnny Waters, MA'76, PhD'78, has been promoted to associate professor at West Georgia College, Carrollton, Ga.

Rebecca Chance, MAT'77, is serving as a missionary in Sudan from October 1981 to July 1982.

Ralph T. Earle, BS'78, has been involved with well-site consulting from Nevada to North Dakota during the past year as a consultant for Intermountain Consulting, Caspar, Wyoming.

1980-1982

Mark Reifenstein, MA'80, is a hydrogeologist with CH<sub>2</sub>M Hill of Portland, Ore.

Clarke Bean, MA'81, is employed by Chevron and is working at Lafayette, La.

Alan Laferriere, MA'81, has a position with Gulf Oil Co. in Casper, Wyoming.

Jayne Sieverding, MA'81, is employed by Chevron in Denver, Colo.

Christopher Foell, MA'82, has a position with Texaco in New Orleans.

Thomas Kammer, PhD'82, has accepted a position as assistant professor in paleontology at West Virginia University, Morgantown, W.V.

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We were saddened to learn of the deaths of Frank E. Allen, AB'16, Robert G. Stouse, BS'52, and James H. Kercher, BS'55.

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Bee Banfill (now Mrs. Charles C. Jones), administrative assistant in the IU Dept. of Geology during the '50s and '60s, now lives in Bradendon, Fla., when she isn't off traveling someplace. Her last expedition was a tour of Peru and Bolivia, including a week in the Amazon jungle, and this spring she is scheduled for a tour of mainland China. She sends greetings to all of her old friends.

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GEOLOGY  
ALUMINI  
DIRECTORY

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Talal Faisal Abdulkareem 160/1 G, Tel Mohammed New Basdad-Basdad, Iraq  
 Jon B. Abrams 11293 Billings Street Lafayette, Colorado 80026  
 John R. Acker 5590 Pershing #12 St. Louis, Mo. 63112  
 John C. Adamson 2146 N. Delaware Indianapolis, IN 46202  
 Richard L. Adams 1 Macaw Street The Woodlands, Texas 77380  
 Steven Lee Adams 276 White Lane Bedford, Indiana 47421  
 Keith H. Adkins Walnut Grove Trailer Court No.214 Bloomington, Indiana 47401  
 Charles E. Adkisson 5309 64th Avenue N. Brooklyn Center, MN 55429  
 Allen B. Asnew 2054 Headlands Circle Reston Virginia 22091  
 Ahmad M. Ahmad Piriady I.P.C. Ltd. P.O. Box 1 Kirkuk, Iraq  
 Wallace K. Aiken 5503 East 72nd Place Indianapolis, IN 46250  
 Ahmad A. Al-Aswad Dept. of Geology-IU Bloomington, IN 47405  
 Tariq J. Al-Jassar Dept. of Geology - IU Bloomington, IN 47405  
 Julio O. Alamos Asro Penfoxadora Casilla No. 4863 Quito, Ecuador  
 Jomash A. Alawi Dept. of Geology-IU Bloomington, IN 47405  
 Richard R. Alexander 192 Maple Point Dr. Lanshorne, PA 19047  
 K. S. Sheikh Ali Amoco Pakistan Explor. Co. P.O. Box 1045 Islamabad, Pakistan  
 Deborah J. Allen 1844 Timberwolf Lane Edmond, Oklahoma 73034  
 Harry J. Allen 1844 Timberwolf Lane Edmond, Oklahoma 73034  
 Jane Smith Allen R. R. 1A, Box 94 Franklin, Indiana 46131  
 Louis Donovan Allen 985 Smock Drive Greenwood, Indiana 46142  
 Merrill J. Allen, Jr. 1311 Valley Forge Road Bloomington, Indiana 47401  
 Shaiban K. Al-Shaibani Dept. of Geology College of Science Univ. of Basdad Basdad, Iraq  
 William F. Althoff 201 Allisator Drive Toms River, New Jersey 08753  
 Phillip U. Amadi 638 Maplewood Ave. Springfield, PA 19064  
 Margaret C. Amini 6838 Everhart Rd. -Apt. 64 Corpus Christi, TX 78413  
 Arnold L. Andersen 1119 South Delphia Avenue Park Ridge, Illinois 60068  
 Garry Anderson St. Cloud State College St. Cloud, MN 56301  
 Stanley W. Anderson 1719 Earl of Dunmore Katy, Texas 77450  
 Thomas Dee Anderson 2221 Houma Blvd-Apt. 302 Metairie, LA 70001  
 Christopher Alan Andrews 3013 Bavarian Drive West Indianapolis, IN 46236  
 Robert L. Anstey Natural Sciences Bldg. Michigan State University East Lansing, MI 48823  
 Jean John Antonides  
 Terry A. Applesate  
 Allen W. Archer Dept. of Earth Science DePauw University Greencastle, IN 46315  
 Michael E. Ardeel 8830 Shareview Houston, Texas 77036  
 Ronald E. Armstrong 5 Avon Place South Glens Falls New York 12801  
 Lois Arvin 401 S.W. Third Street Loogootee Indiana 47553  
 Phillip G. Asher R.2 Scottsburg, Indiana 47170  
 Richard L. Asher 586 S. Williams Denver, Colorado 80209  
 Sidrid B. Asher-Bolinder 586 S. Williams Denver, Colorado 80209  
 Paresh Atharia 1932 32d Ave. SW Calgary, Alta, Canada  
 Edwin Thomas Atkin 2413 Auburn Place Midland, Texas 79701  
 Carole Sue Aufman 691 Carlsbad Road Cincinnati, Ohio 45240  
 William I. Ausich Department of Geology Wright State Univ. Dayton, Ohio 45435  
 Sheldon Axenfeld 13117 Glassow Way Oxon Hill, Maryland 20022  
 Donald Auns Ba 118-3 Yankin Myo Yankin P. O. Rangoon, Burma  
 Sister De Montfort Babb Maria Regina Convent 1333 Admiral Ln Uniondale, NY 11553  
 Margaret Bac 4101 Molly Drive San Jose, CA 95127  
 Nick Baciu G E Lab Operation 1101 Wall P O Box 2240 Ft. Wayne, IN 46801  
 James Badowski 4935 Kilkenny Houston, TX 77048  
 John R. Bahr 2321 S. Lennox Casper, Wyoming 82601  
 Noel Ritchey Bailey 1516 Alta Drive Fort Worth, Texas 76107  
 Charles Carl Bajza 328 E. Voltaire Ave. Phoenix, AZ 85022  
 Donald Edward Baker 5040 East Shoshone Orange, California 92667  
 Dan Michael Baker 2912 Elmdale Ft. Wayne, IN 46816  
 Jacob G. Baker 3720 Arlington Fort Wayne, Indiana 46807  
 Jack W. Baker 6112 N. 67th Ave. #134 Glendale, Arizona 85301  
 Margaret Jane Baldwin 5913 A Smoke Ranch Rd. Las Vegas, NV 89108  
 David R. Balogh Evergreen Associates P. O. Box 880 Evergreen Colorado 80439  
 Lawrence H. Balthaser 460 Mitchell Drive Los Osos, California 93401  
 William F. Bandy, Jr. 1102 N. Adams -Apt. 4 Bridgeport, IL 62417  
 Hanson P. Baptiste 6407 Oakham St. Houston, Texas 77045  
 Assad Barari State Geological Survey Univ. of South Dakota Vermillion, SD 57069  
 Robert F. Barbour 3960 Horton Road Jackson, Michigan 49203  
 Robert C. Barnett, Jr. 1008 Moore Ct. Aiken, South Carolina 29801  
 John George Barr 66 Cleary Ct. Apt. 604 San Francisco, CA 94109  
 Dario Barrero Inventario Minero Nacional Carrera 30 #51-59 Bogota, Columbia,  
 Harvey B. Barrett 3309 Rightmier Place Virginia Beach, VA 23452  
 Robert E. Barrett 427 Fitch Road Hometown, Indiana 46748  
 Patricia Bartus 3011 Northmoor Michigan City, IN 46360  
 Victor F. Barua Southern Peru Copper Corp. CuaJone Mine Unit Casilla 165 Tacna, Peru  
 Paul B. Basan 11415 Middleburg Drive Tomball, Texas 77375  
 Joyce Basciano 1907 W. 34th Street Austin, Texas 78703  
 James Thomas Basick 501 Yale Drive Bartlesville, Oklahoma 74003  
 John L. Bassett 5375 Fairfax Road Bloomington, Indiana 47401  
 John L. Bastnadel 8305 Claridge Road Indianapolis Indiana 46260  
 Abhijit Basu 2614 Eastgate Lane Bloomington, IN 47401  
 James W. Batchelor 12208 Varney Circle Lake Charles, Louisiana 70601  
 Robert Ellery Bates 2 Larkspur Place Santa Rosa, Calif. 95405

Raymond Leon Battin 53 Fieldpoint Road Heath, Ohio 43055  
 Robert W. Bauer 1140 Delaware Berkley, California 94702  
 Jeanette Marie Bauman 4947 S. Logan St. Englewood, CO 80110  
 Douglas R. Baumgardt 260 Marco Way N. Satellite Beach, Fla. 32939  
 Clark L. Bean 300 McDonald-Apt. 24W Lafayette, LA 70506  
 Charles Noble Beard 4586 North Arthur Street Fresno, CA 93705  
 George Frank Bechner 2403 Humble Avenue Midland, Texas 79701  
 Charles Emil Beck 165 Thornton Road Needham, MA 02192  
 Thomas G. Beck 2205 Hillside Drive Santa Rosa, CA 95404  
 Richard J. Beckman 83 Thornhill Lane L8S #C Barrington, Illinois 60010  
 Barbara Ann Beeman 827 9th Street Boulder, Colorado 80302  
 Thomas F. Behan 79-N Broadway Haverhill, MA 01830  
 Helen M. Beikman 11714 Newbridge Court Reston, Virginia 22091  
 Ronald M. Belak Cities Service Company 1600 Broadway-Suite 90 Denver, Colorado 80202  
 Steven R. Benham 441 E. 73d St. Kansas City, MO 64131  
 Larry Dean Bennett R. 2 Mitchell, IN 47446  
 Nathan P. Bennett R.3 Casey, Illinois 62420  
 David R. Berendsen  
 Edward E. Bers 305 Clemons Madison, Wisconsin 53704  
 Marcel Bersegon 521 W. Seneca St. Ithaca, NY 14850  
 Howard Berliner 6990 Red Day Road Martinsville Indiana 46151  
 Bernard K. Berry 5033 Theresa Ct. Tucker, Georgia 30084  
 Hush Henry Berry 1060 Hills Avenue Indianapolis, Indiana 46227  
 Charles Harvard Betz 5193 Earhart Circle Virginia Beach, Virginia 23464  
 Nityananda Bhattacharya Oil and Natural Gas Comm. 9 Kaulasari Rd. P.O. 40 Dehra Dun, U. P., India  
 John Bible 6234 Valley Forge Houston, Texas 77027  
 Charles W. Rickins 5545 Via Dos Cerros Riverside, CA 92507  
 Robert A. Bieberman 601 Fitch Avenue Socorro, New Mexico 87801  
 Doris F. Bieberman 601 Fitch Avenue Socorro, New Mexico 87801  
 Edward J. Bielski P. O. Box 142 Marshfield, MA 02050  
 Maurice Earl Bissis 1213 South Brooks Drive Bloomington, Indiana 47401  
 Jerry P. Bixie 3505 Byrn Brae Virginia Beach, VA 23462  
 Celine W. Birkner 8318 Woodhaven Blvd. Bethesda, Maryland 20034  
 Paul Morris Bishop 922 South Main New Castle, Indiana 47362  
 Ann Pence Black 6261 Commonwealth Ct. Indianapolis, IN 46220  
 David L. Black R. 4 - Box 153 Veedersburg, Indiana 47987  
 Robert F. Blakely 116 South Meadowbrook Ave. Bloomington, Indiana 47401  
 Louis F. Blanchard Arco Coal Co. 555 17th St. - 19th Floor Denver, CO 80202  
 Patricia L. Blanchard R2 - Box 396 - C Pine, CO 80470  
 Roy Blickwedel Woodward -Clyde Consultants P. O. Box 290 Wayne, N. J. 07470  
 Darryl Gene Blink R.2 - Box 388 Chesterton, Indiana 46304  
 James Clifford Bloom 1033 Spring Field Road Walnut Creek, Calif. 94598  
 Stephen Bluskal 9508 Truscon Houston, Texas 77080  
 Joseph Bodart, Jr.  
 Bruce F. Bohor 3631 Ward Road Wheat Ridge, Colorado 80033  
 Robert W. Bolin 1728 Madison Evansville, Indiana 47714  
 John C. Bollenbacher 11 155 S. Fairfax Denver, Colorado 80222  
 David W. Bolton 5401 Rampant st. #644 Houston, TX 77081  
 Brenda Jean Bomber 788 Bateswood Dr. #23 Houston, TX 77079  
 Harvey J. Bomberser 9 South Cherry Street Myerstown Pennsylvania 17067  
 Michael McKay Bonadio R.R.3 Madison, In 47250  
 James David Bonebrake 3630 Carmel Drive Casper, Wyoming 82601  
 Stephen Louis Boomer 332 Sunset Drive Defiance, Ohio 43512  
 Earl Joseph Boone 7201 Chad Street Anchorage, Alaska 99502  
 David A. Boots 3088 Hametown Road Barberton, Ohio 44203  
 Janet L. Borderdins 3135 S. 73E Avenue Tulsa, Oklahoma 74145  
 Kennard B. Bork 80 Beechwood Drive Granville, Ohio 43023  
 David J. Bottjer 2125 Rosalita Avenue Los Angeles, California 90007  
 Marlan Boultinghouse 50 Liberty South Barrington, IL 60010  
 Richard Lee Bowen Department of Geology U. of Southern Mississippi Hattiesburg MS 39401  
 W. Neal Bowman Dietrich, Idaho 83324  
 Malcolm W. Boyce 970 Stow Lane Lafayette, California 94549  
 Robert L. Boyce BP Alaska, Inc. 100 Pine Street San Francisco, CA 94111  
 Robert E. Boyer 7644 Parkview Circle Austin, Texas 78757  
 Kenneth R. Bradbury 1509 Martin St. #4 Madison, Wisconsin 53713  
 Herbert H. Bradfield 4835 North Lindhurst Dallas, Texas 75229  
 Neil J. Bradford 2808 Monroe Court Grand Junction, CO 81503  
 Iloise T.D. Braide 3400 Woodchase #2007 Houston, TX 77042  
 Donald C. Braun 348 Hillside Ave. Roselle, Illinois 60172  
 Lowell P. Braxton 3666 S. Millbrook Tert Salt Lake City, Utah 84106  
 Jack S. Briesel 612 Leonard St. DeKalb, Illinois 60115  
 David L. Briggs 2016 Theatre Dr. Evansville, IN 47715  
 Alan L. Brittain Crow Interests, Inc. 900 Travis Place Shreveport, Louisiana 71101  
 Lola A. Brittain 8200 W. 127th Place Cedar Lake, Indiana 46303  
 Bernard R. Broadbent 825 Jefferson Grants, New Mexico 87020  
 Donald Lynn Brobst Box 111 Island Route Lock Haven, PA 17735  
 Bruce W. Bromley Union Oil Co. of Ca. Science and Technology Div. 376 S. Valencio Ave. Brea, CA 92621  
 Arthur C. Brookley 217 Crocker Ventura, California 93003  
 David L. Brooks 7905 Stonehurst Drive Indianapolis, Indiana 46256  
 Barbara Ellen Brooks 4500 S. Poplar #205 Casper, Wyoming 82601

David J. Brownings 716 S. 12th St. Goshen, IN 46526  
 George D. Brown, Jr. 970 Pleasant St. Framingham, MA 01701  
 Homer R. Brown 2810 East 67th Street Indianapolis, Indiana 46220  
 John E. Brueckmann P.O. Box 333 Wayne, Pennsylvania 19087  
 Paul J. Brulla 3513 Cunningham Drive Midland, Texas 79703  
 David Brumbaugh Dept. of Geology Northern Arizona University Box 6030 Flagstaff, AZ 86001  
 John S. Brumfield R. 1 - Box 84 Ridgeway, Indiana 47380  
 Thomas M. Bruns 210 Jefferson Blvd. Greenfield, Indiana 46140  
 George D. Brunton 6729 Maplebrook Lane Columbus, Oh 43085  
 Napoleon Bryant, Jr. 3527 Skyview Lane Cincinnati, Ohio 45213  
 Tom Murray Bryce 5225 Evanston Indianapolis, Indiana 46220  
 John M. Bubb  
 Donald M. Buchholz Australia-Cities Service 5th Floor-151-155 MacQuarie Sydney, Nsw, Australia  
 David B. Buddrus 3418 La Costa Missouri City, TX 77459  
 Rosanne Ruth Buecker 577 Surfside Drive Pittsburgh, PA 15239  
 Robert M. Buehris Scarf Road North Dandalup 6207 West Australia, Australia  
 John Robert Bullock  
 Wayne M. Bundy R.2 - Box 45 Bissell Road Lebanon, New Jersey 08833  
 David R. Burd R. D. No. 1, Little Road Perkiomenville Pennsylvania 18074  
 Donald C. Burditt 284 W. Larcom St. Thousand Oaks, CA 91360  
 Walter J. Burfeind R. F. D. 1 Ghent, New York 12075  
 Ann M. Burger 70 Acrebrook Drive Northampton Massachusetts 01060  
 H. R. Burger, III 70 Acrebrook Drive Northampton Massachusetts 01060  
 David A. Burke 202 Denvale Danville, IL 61832  
 Walter R. Burrin 25 E. 40th St.-Apt. 50 Indianapolis, IN 46205  
 James Bush 1230 North Ocean Way Palm Beach, Florida 33480  
 Roy E. Butler  
 Doris Beyerly Route 2-Box 267A Mondou, Wisconsin 54755  
 Curtis Ray Byrd P.O. Box 32 Winslow, Indiana 47598  
 Peter L. Calendas Dept. of Geology Western Illinois University Macomb, IL 61455  
 Robert D. Caley R. R. 3 Huntingston, Indiana 46750  
 Donald K. Cameron Jr. 3757 Land Street New Orleans, Louisiana 70114  
 Michael S. Cameron 2635 Chestnut Columbus, Indiana 47201  
 Andrew R. Campbell Dept. of Geology Harvard University Cambridge, MA 02138  
 Carl E. Campbell 1776 Glencoe Street Denver, Colorado 80220  
 Jose Candido  
 Alfred P. Canepa 646 Oakwood Dunedin, Florida 33528  
 Christopher J. Canfield 1032 Oneida El Paso, Texas 79912  
 Frank C. Carozza 295 Law Road Briarcliff, New York 10510  
 Douglas J. Carey 1810 N. Dumout Marion, Indiana 46952  
 Gary Wayne Carnes 8133 Monrovia Shawnee Mission, KS 66215  
 Gerald L. Carpenter 4070 West Barge Drive Bloomington, Indiana 47401  
 Michael C. Carpenter 6644 E. Koralee Tucson, Arizona 85710  
 Donald D. Carr 3429 Lons View Bloomington, Indiana 47401  
 Gene A. Carr 3111 Knollwood Lane Glenview, Illinois 60025  
 James R. Carter 5425 Yosemite Trail Knoxville, TN 37919  
 Phillip Caserotti R. 5 Mt. Vernon, Illinois 62864  
 John T. Cass 6562 Houston St. Buena Park, CA 90620  
 J. P. Fernandez Castaneda  
 Rebecca L. Chance P.O. Box 365 Pleasantville, NJ 08232  
 Val W. Chandler 1880 Birch Street No. 203 White Bear Lake, Minnesota 55110  
 William A. Chandler 2 Ayers Jackson, Tennessee 38301  
 Curtis R. Chapman, 5326 Stillbrooke Houston, TX 77096  
 Danny L. Chapman 6542 Ohio Avenue Hammond, Indiana 46323  
 George D. Charlton 15390 E. Chenaso Avenue Denver, Colorado 80232  
 Daniel O. Chase 364 S. Ritter Indianapolis, Indiana 46219  
 Sambudas Chaudhuri Department of Geology Kansas State University Manhattan, KS 66502  
 Pei-Yuan Chen 142 Penn Lear Dr. Monroeville Pennsylvania 15146  
 Lok Sing Cheung  
 Brian E. Chew 695 Strange Rd. Taylors, SC 29687  
 Elmer F. Chilcoate 318 South Carr Road Plainfield, Indiana 46168  
 Floyd Childs 422a N. Rio Vista Anaheim, CA 92806  
 Carl W. Christensen 1808 Turfwood Drive Pfafftown, NC 27040  
 Evert W. Christensen 1573 Dianda Drive Concord, CA 94521  
 Jack H. Christiansen 40 Kings Road Richmond, Surrey, England  
 Leo K. Chu 7 Shinstak MN 8/F Kowloon, Hong Kong British Colony  
 Paulino K. Chu 2516 Maple Avenue Northbrook, Illinois 60062  
 John L. Chute 27 Hester P.O. Box 479 Piermont, New York 10968  
 Sister Georsine Cizauskas 6727 S. California Avenue Chicaso, IL 60629  
 Douglas Clark 7155 Raleigh #303 Westminster, CO 80030  
 David G. Clarkson 232 Main Randolph, New York 14772  
 Dean S. Clark P.O. Box 26236 Albuquerque New Mexico 87125  
 David W. Clark 209 E. First St. Midvale, UT 84047  
 Howard O. Clark 5255 West Shaw Ave. Winton, California 95388  
 Michael E. Clark 6118 Fesenbush Lane Louisville, Kentucky 40228  
 Sherman M. Clebrik 91 South Street Willimantic, CT 06226  
 John H. Cleveland 2411 N. 9th Street Terre Haute, Indiana 47804  
 Thomas E. Cochrane Davis, Northcutt - Cochrane Petroleum Geologist 220 Cravens Buildings Oklahoma City, OK 73102  
 Clyde A. Cody 4160 DePew St. Denver, CO 80212  
 Elizabeth L. Cody 4160 DePew St. Denver, CO 80212

David J. Brownings 716 S. 12th St. Goshen, IN 46526  
 George D. Brown, Jr. 970 Pleasant St. Framingham, MA 01701  
 Homer R. Brown 2810 East 67th Street Indianapolis, Indiana 46220  
 John E. Brueckmann P.O. Box 333 Wayne, Pennsylvania 19087  
 Paul J. Brulla 3513 Cunningham Drive Midland, Texas 79703  
 David Brumbaugh Dept. of Geology Northern Arizona University Box 6030 Flagstaff, AZ 86001  
 John S. Brumfield R. 1 - Box 84 Ridseville, Indiana 47380  
 Thomas M. Bruns 210 Jefferson Blvd. Greenfield, Indiana 46140  
 George D. Brunton 6729 Maplebrook Lane Columbus, Oh 43085  
 Napoleon Bryant, Jr. 3527 Skyview Lane Cincinnati, Ohio 45213  
 Tom Murray Bruce 5225 Evanston Indianapolis, Indiana 46220  
 John N. Bubb  
 Donald H. Buchholz Australia-Cities Service 5th Floor-151-155 MacQuarie Sydney, Nsw, Australia  
 David B. Buddrus 3418 La Costa Missouri City, TX 77459  
 Rosanne Ruth Buecker 577 Surfside Drive Pittsburgh, PA 15239  
 Robert M. Buehris Scarp Road North Dandalur 6207 West Australia, Australia  
 John Robert Bullock  
 Wayne M. Bundy R.2 - Box 45 Bissell Road Lebanon, New Jersey 08833  
 David R. Burd R. D. No. 1, Little Road Perkiomenville Pennsylvania 18074  
 Donald C. Burditt 284 W. Larcom St. Thousand Oaks, CA 91360  
 Walter J. Burfeind R. F. D. 1 Ghent, New York 12075  
 Ann M. Burser 70 Acrebrook Drive Northampton Massachusetts 01060  
 H. R. Burser, III 70 Acrebrook Drive Northampton Massachusetts 01060  
 David A. Burke 202 Denvale Danville, IL 61832  
 Walter R. Burrin 25 E. 40th St.-Apt. 50 Indianapolis, IN 46205  
 James Bush 1230 North Ocean Way Palm Beach, Florida 33480  
 Roy E. Butler  
 Doris Buerly Route 2-Box 267A Mondovi, Wisconsin 54755  
 Curtis Ray Burd P.O. Box 32 Winslow, Indiana 47598  
 Peter L. Calensas Dept. of Geology Western Illinois University Macomb, IL 61455  
 Robert D. Caley R. R. 3 Huntington, Indiana 46750  
 Donald K. Cameron Jr. 3757 Lans Street New Orleans, Louisiana 70114  
 Michael S. Cameron 2635 Chestnut Columbus, Indiana 47201  
 Andrew R. Campbell Dept. of Geology Harvard University Cambridge, MA 02138  
 Carl E. Campbell 1776 Glencoe Street Denver, Colorado 80220  
 Jose Candido  
 Alfred P. Canepa 646 Oakwood Dunedin, Florida 33528  
 Christopher J. Canfield 1032 Oneida El Paso, Texas 79912  
 Frank C. Capozza 295 Law Road Briarcliff, New York 10510  
 Douglas J. Carey 1810 N. Dumont Marion, Indiana 46952  
 Gary Wayne Carnes 8133 Monrovia Shawnee Mission, KS 66215  
 Gerald L. Carpenter 4070 West Barse Drive Bloomington, Indiana 47401  
 Michael C. Carpenter 6644 E. Koralee Tucson, Arizona 85710  
 Donald D. Carr 3429 Lons View Bloomington, Indiana 47401  
 Gene A. Carr 3111 Knollwood Lane Glenview, Illinois 60025  
 James R. Carter 5425 Yosemite Trail Knoxville, TN 37919  
 Phillip Caserotti R. 5 Mt. Vernon, Illinois 62864  
 John T. Cass 6562 Houston St. Buena Park, CA 90620  
 J. P. Fernandez Castaneda  
 Rebecca L. Chance P.O. Box 365 Pleasantville, NJ 08232  
 Val W. Chandler 1880 Birch Street No.203 White Bear Lake, Minnesota 55110  
 William A. Chandler 2 Ayers Jackson, Tennessee 38301  
 Curtis R. Chapman 5326 Stillbrooke Houston, TX 77096  
 Danny L. Chapman 6542 Ohio Avenue Hammond, Indiana 46323  
 George D. Charlton 15390 E. Chensao Avenue Denver, Colorado 80232  
 Daniel O. Chase 364 S. Ritter Indianapolis, Indiana 46219  
 Sambudas Chaudhuri Department of Geology Kansas State University Manhattan, KS 66502  
 Pei-Yuan Chen 142 Penn Lear Dr. Monroeville Pennsylvania 15146  
 Lok Sing Cheung  
 Brian E. Chew 695 Stranse Rd. Taylors, SC 29687  
 Elmer F. Chilcoate 318 South Carr Road Plainfield, Indiana 46168  
 Floyd Childs 422a N. Rio Vista Anaheim, CA 92806  
 Carl W. Christensen 1808 Turfwood Drive Pfafftown, NC 27040  
 Evert W. Christensen 1573 Dianda Drive Concord, CA 94521  
 Jack H. Christiansen 40 Kings Road Richmond, Surrey, England  
 Leo K. Chu 7 Shingtak MN 8/F Kowloon, Hong Kong British Colony  
 Paulino K. Chu 2516 Maple Avenue Northbrook, Illinois 60062  
 John L. Chute 27 Hester P.O. Box 479 Piermont, New York 10968  
 Sister Georgine Cizauskas 6727 S. California Avenue Chicago, IL 60629  
 Douglas Clark 7155 Raleigh #303 Westminster, CO 80030  
 David G. Clarkson 232 Main Randolph, New York 14772  
 Dean S. Clark P.O. Box 26236 Albuquerque New Mexico 87125  
 David W. Clark 209 E. First St. Midvale, UT 84047  
 Howard O. Clark 5255 West Shaw Ave. Winton, California 95388  
 Michael E. Clark 6118 Feserbush Lane Louisville, Kentucky 40228  
 Sherman M. Clebnik 91 South Street Willimantic, CT 06226  
 John H. Cleveland 2411 N. 9th Street Terre Haute, Indiana 47804  
 Thomas E. Cochrane Davis, Northcutt - Cochrane Petroleum Geologist 220 Cravens Building Oklahoma City, OK 73102  
 Clyde A. Cody 4160 DePew St. Denver, CO 80212  
 Elizabeth L. Cody 4160 DePew St. Denver, CO 80212

E. Arnold Coe R. 2 -Box 251 Milton-Freewater, OR 97862  
 Gary B. Cohen 6930 Oak Lane Indianapolis, IN 46220  
 Ronald E. Cohen Dept. of Geology Science Hall Harvard University Cambridge, Massachusetts 02138  
 Steven Cohen 42 Lagoon Road Belvedere, California 94920  
 Dale L. Cole Box 64 Tell City, Indiana 47586  
 Ward J. Collins, Jr. R. 1-Golf Road Linton, Indiana 47441  
 Alan A. Colville 1555 Washburn Pasadena, California 91105  
 John E. Combs 520 W. Riverside Dr. Indiatlantic, FL 32903  
 Behnaz Comrani-Tabrizi 3806 E. Lons Ave. Littleton, CO 80212  
 Joseph C. Conder 1625 NW Coffee Creek Road Edmond, Oklahoma 73034  
 Jack Conley 9402 Tierra Blanca Whittier, CA 90603  
 Charles R. Connaughton 2825 Viola Road Albuquerque, New Mexico 87105  
 Cornelius M. Connelly 4725 Northcote East Chicago, Indiana 46312  
 Garre A. Conner P.O. Box 221 Evansville, Indiana 47701  
 Carlton Cook 18215 Amberlay South Bend, Indiana 46637  
 Jeffrey Alan Cook 942 Poplar St. Denver, CO 80220  
 Jerry R. Cook 4421/2 S. Sixth Pocatello Idaho 83201  
 Edward Coppin  
 Diane Corbett P.O. Box 9011 Denver, Colorado 80209  
 William Cordell 117 Cambridge St. Paul, Minnesota 55105  
 William S. Cordua Dept. Plant and Earth Sci Univ. of Wisconsin River Falls, WI 54022  
 Eugene M. Core 300 Baylor Drive Tyler, Texas 75701  
 James A. Corliss 172 South State Shelby, Michigan 49455  
 Eric F. Corneliussen 10703 River Road NE Gervais, Oregon 97026  
 Robert Bruce Cornell 927 S. Normandie Los Angeles, CA 90006  
 Michael T. Cowen 3116 Plaza Drive C-8 Grand Rapids Michigan 49505  
 Terry Lee Cox Rocky Mtn. Energy Co. 4704 Harlan St. Denver, CO 80212  
 Timothy Dale Cradick  
 Janet W. Crampton 6 Lakeside Overlook Rockville, MD 20850  
 Ronald C. Crane 133 Conway Ct. Danville, CA 94526  
 Elmer C. Cravens 147 N. Stevenson Louisville, Kentucky 40206  
 Kenneth W. Craw, Jr. 509 Matthew Drive O'Fallon, IL 62269  
 Robert C. Crevello 1339 Thompson Avenue Evansville, Indiana 47715  
 James C. Crisman 313 Omesa Drive Crown Point, Indiana 46307  
 Edward L. Crisp 7115 Osage Houston, Texas 77036  
 Robert L. Critchlow 4706 Pebble Glen San Antonio, Texas 78217  
 William H. Crites Zaire Gulf Oil Co. P.O. Box 2100 Houston, Texas 77001  
 Roser J. Cuffey Dept. of Geology and Geophysics Pennsylvania State Univer. University Park, PA 16802  
 Ronald E. Cukrowicz 10923 E. 36th Place Tulsa, Ok 74145  
 Robert L. Cullers 3035 Tamarak Dr. Manhattan, Kansas 66502  
 Lawrence P. Cutner Good Samaritan Hospital 1033 E. McDowell Rd. Phoenix, AZ 85062  
 David A. Dahl 24 Terrace Villa Court Fairport, New York 14450  
 Peter Dahl 726 Hushey Drive Kent, Ohio 44240  
 Walter J. Dahmer, Jr. 7505 W. Yale #3102 Denver, Colorado 80227  
 James B. Dailey 7246 S. Xanthia Englewood, Colorado 80110  
 Noel L. Daniel 10589 W. Ida Avenue Littleton, Colorado 80123  
 Scott Carter Daniels 2851 N. Moreland Indianapolis, IN 46222  
 David Darko 1427 W. Stop 11 Road Indianapolis, Indiana 46217  
 Nancy R. Darnell 941 St. Paul Denver, Colorado 80206  
 John G. Darr 7860 Raintree Rd. Centerville, Oh 45439  
 Nelson M. DaSilva C. P. 9023 Rio, Ab. 20.002, Brazil  
 Lt. Col. John Davenport 1006 Ruatan St. Silver Springs, MD 20903  
 Crais S. Davis 6706 Farmleish Indianapolis, IN 46620  
 Daniel R. T. Davis 317 Fremont Lowell, Indiana 46356  
 Edward Louis Davis 781 Huckleberry Lane Gretna, Louisiana 70053  
 Robert Lee Dayson 1306 Forest Hill Drive Vincennes, Indiana 47591  
 Lyndon L. Dean 3115 Jo Ann Joliet, Illinois 60435  
 Harold L. Deane 18 Del Rio Court Moraga, California 94556  
 David D. DeBarthe  
 Garrett Deckert 391 N. Central Ave. Richland Center, WI 53581  
 Paul R. Deem 341 Green Hills Court Greenwood, Indiana 46142  
 Thomas Deeter Cities Service Oil Co. 1600 Broadway-Suite 900 Denver, CO 80202  
 Wilbur R. Deiters 1515 Second Street LaPorte, Indiana 46350  
 Harry Deibicki, Jr. 12 Donner Place Ponca City, OK 74601  
 Charles K. Denzinger Route 2, Box 33 Corydon, Indiana 47112  
 Thomas M. Deputy 15895 Beaver Dam Rd. Dunfries-Montclair, VA 220  
 George B. Derner 1749 W. 56th Avenue Art. 1-H Merrillville, Indiana 46410  
 David J. DesMarais 1015 Woodland Ave. Menlo Park, CA 94025  
 Donald C. Devening Box 696 Natchez, Mississippi 39121  
 Abraham H. Diaraj 11612 Windmill Rd. Oklahoma City, OK 73132  
 Douglas P. Diehl R. 2 - Box 67a Hishview Street Califon, New Jersey 07830  
 Gerald E. Dietz Walnut Valley Farm Box 99 Losansville, PA 17342  
 Eric Alan Dils 614 South 17th Street Richmond, Indiana 47374  
 Norman P. Dion U.S. Geological Survey Suite 600 1201 Pacific Avenue Tacoma, WA 98402  
 Joseph Alan Dixon 5477 E. Sherwood Dr. Newburgh, IN 47630  
 William G. Dixon 105 North Mill Street Naperville, Illinois 60540  
 Thomas L. Dobecki 1056 Elwell Ct. Palo Alto, CA 94303  
 J. Robert Dodd 6875 E. Trailway Drive Bloomington, Indiana 47401  
 Edward J. Doherty 57 Greenvale Road Cherry Hill, New Jersey 08034  
 Bernardine Donelson Fox Lane Auburn New Hampshire 03032

Richard A. Donica Wilhite Trailer Court R2-Lot 10 Columbus, IN 47201  
 Robert A. Dorsett 3004 W. O and M Avenue North Vernon, IN 47265  
 Jack Edward Daskow  
 Tod Donald Doss R1-Simpson Lake Vincennes, IN 47591  
 Wallace W. Drexler R.6 - Box 251 Shippensburg, Pennsylvania 17257  
 Paul J. Dubiel 33 Arden Avenue Buffalo, New York 14215  
 Paul Dexter Dubois 1201 W. 12th St. Owensboro, KY 42301  
 Aileen M. Wojtal Duc 202 Rue Faubours Vieux Carre Lafayette, LA 70508  
 Jutta Dudley 140 Railroad Mills Road Pittsford, New York 14534  
 Paul Dudley 140 Railroad Mills Road Pittsford, New York 14534  
 Erle G. Duff 1854 11th St. #5 Santa Monica, CA 90404  
 Joseph M. Duhan R. R. Box 920 Willcox, Arizona 85643  
 Mark Duison 942 Oaktree Rd. Westminster, MD 21157  
 Mack S. Duncan 8590 E. Union Avenue Denver, Colorado 80237  
 John A. Dunn 3300 Durant Drive Midland, Texas 79701  
 Ann Lynn Gall Durbin Univ. of R.I.-OC Narragansett Bay CPS Kingston, RI 02881  
 Larry Lee Dus 2322 Glenn Ave. Evansville, IN 47711  
 Alan L. Dusendschon 980 Oaklawn Court Fort Wayne, IN 46803  
 Joel E. Dysart 3906 Charter Oak Drive Louisville, Kentucky 40222  
 Ralph T. Earle P.O. Box 3200 Casper, Wyoming 82602  
 Louise Froment East 123 West Windsor Jupiter, Florida 33458  
 David A. Eastman 40 W. 72nd St. New York, New York 10023  
 Thomas H. Eastridge 2500 Bayard Park Dr. Evansville IN 47714  
 Gene F. Ebner 37 Congress Sioux City, Iowa 51104  
 Donald G. Eckerty R.1 - Box 133 K Midland, Texas 79701  
 John Eric Ekins 3226 Bristol Branch Dr. Sparks, NV 89431  
 Benjamin Edwards III Edwards Producing Company 2660 Crane Ridge-Suite C Jackson, Mississippi 39216  
 Stephen E. Eikenberry 5345 N. Carrollton Ave. Indianapolis, IN 46220  
 Robert William Eklund R.1 - Box 206 Eckert, Colorado 81418  
 Wm. T. Elberty, Jr. 46 Miner Street Canton, New York 13617  
 Susan Rachel Elder 1823 Lonsview Springfield, Ohio 45504  
 Ronald E. Endris 1332 Mill Lane New Albany, IN 47150  
 Herman C. Ensles 4218 N. River Way Sacramento, California 95825  
 Marcia Ensle 14110 Rosetta Cypress, TX 77429  
 Richard S. English 1139 S. 6th St. Terre Haute, Indiana 47802  
 Mark Ellis Epstein 4649 W. 9th Street Greeley, Colorado 80631  
 Richard C. Erd 702 Josina Avenue Palo Alto, California 94306  
 George E. Ericksen Winterthur Apts. 11903-105 Winterthur Lane Reston, VA 22091  
 Wayne A. Erickson 4406 Hollandale Wichita Falls, Texas 76302  
 Ruth M. Ernst 934 Juniper Traverse City, MI 49684  
 Lee E. Evinder Dept. of Biology-Missouri Western State College 4525 Downs Drive St. Joseph, Missouri 64507  
 Korryn F. Fairman 5407 Seneca Drive Indianapolis, Indiana 46220  
 Robert W. Faith 719 S. Hebron Evansville, Indiana 47715  
 David Michael Falls 3401 N. Columbus no.16-D Tucson, AZ 85712  
 Harold C. Fancher 365 Fancher Heights Marengo, Indiana 47140  
 Stephen David Fansler 610 Oxbow Valparaiso, Indiana 46383  
 Daniel Ray Fara 147 1/2 W. 4th Avenue Denver, Colorado 80223  
 William A. Fariss 6729 Nebraska Hammond, Indiana 46323  
 Thomas W. Farlow 4937 Boulevard Pl. Indianapolis, IN 46208  
 Alvin C. Farmer 1211 Wunnicke Lane Billings, Montana 59101  
 James W. Farnsworth 5108 Beckley 2B Kalamazoo, Michigan 49009  
 A. James Felli, Jr. 5 Highland Drive Corning, New York 14830  
 Hollis B. Fender 3850 Holland Street Wheat Ridge, Colorado 80033  
 Gary Mark Ferrence 1548 Indian Springs Road Indiana, Pennsylvania 15701  
 Thomas G. Fertal 364 S. Ironton No.427 Aurora, Colorado 80012  
 Charles W. Fetter 3771 Candlish Harbor Oshkosh, Wisconsin 54901  
 Dallas Fiandt, Jr. 17125 Monitor Avenue Baton Rouge Louisiana 70816  
 Marion M. Fidler 1040 Vista View Drive Salt Lake City, Utah 84108  
 John R. Fields 418 North Seventh Street Goshen, Indiana 46526  
 Harvey Fierstein 1479 Carla Ridge Beverly Hills, CA 90210  
 Mark G. Filipini 56108 Riverdale Dr. Elkhart, IN 46514  
 Michael S. Finesan 721 Woodyhill Drive Cincinnati, Ohio 45238  
 Kenneth D. Finer 2212 Lucinda St. Perry, Iowa 50220  
 David M. Finton 7143 Grandview Drive Indianapolis, Indiana 46260  
 Terry Fischer 12326 Gainborough Houston, Texas 77035  
 Ferol F. Fish, Jr. 1502 South Fernandez Arlington Hsts., IL 60005  
 Hilary Fish 2113 Franklin East Chicago, IN 46312  
 Jack R. Fish 154 S. 5th St. Brighton, Colorado 80601  
 David A. Fishbaush Mobil CTM 9 Greenway Plaza-Suite 2700 Houston, TX 77046  
 Richard Fitch 2324 Calle Halcon Santa Fe, New Mexico 87501  
 Donald S. Fithian Triple Crown Est WH Newburgh, Indiana 47630  
 Gordon F. Fix 6035 Winnepenny Lane Indianapolis, Indiana 46220  
 Philip F. Fix 192 W. 26th St. Connersville, IN 47331  
 William H. Flanagan 1316 Eldorado Drive Billings, Montana 59100  
 Thomas J. Fleck Avenue D and Ninth Street Riverside, PA 17868  
 Susan Joan Fletcher 308 Varsity Est. Pl. N.W. Calgary, Alberta T3B 3B3 Canada  
 Stephen M. Flohr 2802 Glenwood Ave. Fort Wayne, IN 46805  
 David J. Fossatt 4133 West Camino Lane Apequia Phoenix, Arizona 85021  
 Robert Glenn Foltz 210 South Second Street Grayville, Illinois 62844  
 Andre Fontaine

Jeffrey R. Forbes 3646 E. 71st St. Indianapolis, IN 46220  
 Dorothy Forbes 10634 Rexley Houston Texas 77099  
 David Wayne Foster 2350 Ridge Court No.35 Lawrence, Kansas 66044  
 Robert E. Foster 9104 Greenridge Lane Bloomington, Indiana 47401  
 William F. Foster 2614 N. Chestnut Columbus, IN 47201  
 James Fouts 6717 Picadilly 7124 Oklahoma City, OK 73106  
 Kathleen Kay Fowler 337 Churchman Place 304 Beech Grove, Indiana 46107  
 Michael L. Fowler 2728 S. 132 E. Avenue Tulsa, Oklahoma 74134  
 Wayne E. Fowler 5001 Old Dawson Rd. Albany, GA 31707  
 Jeffrey E. Frank 118A E. 31st Tulsa, Ok 74105  
 Todd C. Frazier Arco International Oil and Gas Co. 515 South Flowers Street Los Angeles, CA 90017  
 Richard A. Freed 3401 N. Columbus 24C Tucson, Arizona 85719  
 Randall Blake French 5210 W. Southport Road Indianapolis, Indiana 46241  
 Robert W. Frey Dept. of Geology Univ. of Georgia Athens, Georgia 30601  
 Kathrine A. Friberg 20061 Canyon Drive Yorba Linda, CA 92686  
 LaVerne M. Friberg 1507 Mac Drive - No. 13 Stow, Ohio 44224  
 James F. Friberg 20061 Canyon Drive Yorba Linda, CA 92686  
 Karl W. Frielinghausen Consulting Geologist Box 673 Cody, Wyoming 82414//  
 Arthur J. Fritz Fritz Operating Co., Inc. 2625 Strinstown Road Suite B Evansville, IN 47711  
 James J. Frusoni 5311 Green Springs Houston, Texas 77066  
 Harold James Funk Dept. of Education I. U. South Bend 1825 Northside Blvd. South Bend, IN 46615  
 James E. Gaiser Atlantic Richfield Co. P.O. Box 147 Bakersfield, CA 93307  
 Daniel G. Gallasher 8405 E. Hampden Apt. 1-5-H Denver, Colorado 80231  
 Gan Tjians Lions 14018 Woodthorpe Houston, TX 77079  
 Michael D. Gard Texaco, Inc. P.O. Box 60252 New Orleans, LA 70160  
 Holly C. Gardner 10906 E. Berry Ave. Englewood, CO 80111  
 Bashir B. Garee 301 E. 20th St. Bloomington, IN 47401  
 Scott Brady Gorham 1721 Caradon Hill Bloomington, IN 47401  
 Thomas J. Garnier 520 E. Joliet St. Crown Point, IN 46307  
 Gary R. Gates 5522 Mosquito Lake Road Deming, Washington 98244  
 Peter T. Gawthrop Old State Road Leesburg, Indiana 46538  
 Coleman A. Gentry, Jr 425 Ritchie Parkway Rockville, MD 20852  
 Raymond L. George 3028 Okeehoopkee Road Tallahassee, Florida 32303  
 Patricia A. Gerdsen 17 Highland Court Orinda, California 92706  
 Harlan W. Gerrish R.3 - Box 54F Fairfield, Illinois 62837  
 Melissa Gibboney 5700 Ming No.28 Bakersfield, California 93309  
 James R. Gibson 25 Brookside Drive Terre Haute, Indiana 47807  
 Richard I. Gibson 8332 Leamont Houston, Texas 77072  
 Jon W.M. Giffin Marathon Oil Company Casper Casper, WY 82601  
 Norman M. Gillmeister Box 146 Millville, PA 17846  
 John W. Gilmore  
 Edith M. Ginder R. No. 3-Box 140 Nashville, Indiana 47448  
 Melvin Lee Gingsrich R. R. 2, Box 412 Bluffton, Ohio 45817  
 Wm. Arch Girdley 246 Little Park Road Grand Junction, CO 81501  
 Lowell E. Gladish 15 South Edward Street Worthinton, Indiana 47471  
 Geoffrey A. Glanders 5807 Catina St. New Orleans Louisiana 70125  
 Scott A. Glassman Texaco Inc. P.O. Box 60252 New Orleans Louisiana 70160  
 Charles R. Glore Camp, Dressery - McKee 302 E. John Suite 1700 Champaign, Illinois 61820  
 William Glover III 2101 S. Besonia Casper, Wyoming 82601  
 John Carl Godersky 5116 Park Ave. S. Minneapolis, MN 55417  
 Marsaret Golan 1219 W. 149th St. East Chicago, Illinois 46312  
 James E. Golden, Jr. 1721 Caradon Hill Bloomington Indiana 47401  
 Wm. Larry Goldenburg  
 Bruno Goldschmidt 185 Wilbar Drive Stratford, CT 06497  
 James Edward Goltz Box 324 Soldotna, Arkansas 99669  
 Larry M. Goltz 4915 Tacoma Fort Wayne, Indiana 46807  
 David M. Gorman 4501 N. Meridian Indianapolis, IN 46208  
 James F. Goss 389 S. St. Clair St. Martinsville, Indiana 46151  
 Keith Alan Graham 3503 Birchwood Dr. Hazel Crest, IL 60429  
 Michael J. Graham 302 S. Roosevelt Kennewick, WA 99336  
 Stephen A. Graham 138 Fulton Redwood City, CA 94063  
 Roland L. Grant 2012 Lyndale Lane Billings, Montana 59102  
 Conrad P. Gravenor 96 Woodlawn Kingsville, Ontario Canada  
 Robert M. Gray R-9 Box 211 Columbus, Indiana 47201  
 Don L. Green 4566 North West Avenue Fresno, California 93705  
 David S. Green 1774 Broadacre Road Crown Point, Indiana 46307  
 James W. Green 1900 North Rensselaer Griffith, Indiana 46319  
 Sidney Green 39 Rankin Street Eltingville, Staten Island, New York 10312  
 Seymour S. Greenberg 317 West Virginia Avenue West Chester, PA 19380  
 Thomas E. Green Route 2, Box 316 Carmel, Indiana 46032  
 Jon E. Greim 7619 County Road No.68-75 R.1-Box 28 Hicksville, Ohio 43526  
 Gordon C. Grender 602 Rainbow Ridge Road Blacksburg, Virginia 24060  
 Stewart D. Griest Texaco Inc. P. O. Box 3109 Midland, TX 79702  
 Scott A. Griffiths 3806 Rushcroft Houston, TX 77082  
 David W. Grom 1044 Archway Drive Lafayette, IN 47905  
 Robert B. Grosjean Box 796 LaGrange, Texas 78945  
 Ronald C. Gross RD 2 - Box 856 Thomesville, PA 17364  
 Arlen K. Grove 2379 Briarwest Blvd. 118 Houston, TX 77077  
 G. K. Guennel 6845 South Penrose Court Littleton, Colorado 80120  
 John A. Guerretaz R3 Guerretaz Forest Vincennes, IN 47591

Thomas L. Guthrie 205 1/2 N. 18th Richmond, Indiana 47374  
 C. Stephen Haase 116 Glassboro Drive Oak Ridge, Tennessee 37830  
 Robert D. Hacker 955 W. Burma Road Bloomington, Indiana 47401  
 Barry T. Haff 1030 E. California Blvd. Pasadena, CA 91106  
 John W. Hasey 1140 East Calvert Street South Bend, Indiana 46613  
 Elbert L. Hale 1861 East Hillhaven Drive Brea, California 92621  
 S. Wayne Haley 2804 Allen Rd. Memphis, TN 38128  
 Daniel E. Hall 6161 Golden Valley Rd. Minneapolis, MN 55422  
 Donald E. Hall Route 2, Box 922 Shakopee, Minnesota 55379  
 Larry E. Hall 2469 Greenwood Trail San Pablo, California 94806  
 Michael W. Hall R.2 Milan, Indiana 47031  
 Robert A. Hall 159 N.W. Barre Drive Fort Charlotte, FL 33950  
 Robert D. Hall Dept. of Geology IUPUI 925 West Michigan Indianapolis, IN 46202  
 Stephen J. Hall 111 Mark Twain Drive 719 New Orleans, Louisiana 70123  
 Donald E. Hallinger Southern Cal. Gas Co. Box 3249-Terminal Annex Los Angeles, CA 90051  
 John L. Hamilton Route 3 Sullivan, Indiana 47882  
 Jacob P. Hamilton Route 3, Natchez Trace Pkw Hohenwald, Tennessee 38462  
 Keith A. Hamilton  
 Mary E. Hamilton 7490 Robb Ct. Arvada, CO 80005  
 Michael Hamilton W. 507 24th Street Spokane, WA 99203  
 Stanley K. Hamilton 7490 Robb Ct. Arvada, CO 80005  
 Timothy S. Hamilton 2640 Loris Drive Dayton, Ohio 45449  
 Thomas B. Hanley 3909 Chris Drive Columbus, Georgia 31904  
 William F. Hanna 14351 W. Second Place Golden, Colorado 80401  
 John T. Hanou 2541 18th Street Columbus, Indiana 47201  
 Mary Hanson 2124 Mt. Vernon East Cleveland, Ohio 44112  
 Edward R. Hardie 1414 St. Joe Road E. Sellersburg, Indiana 47172  
 Barbara Dee Hardman Texas Oil and Gas Corp. 600 Midland Center Oklahoma City, Oklahoma 73102  
 Thomas M. Hare 38 W. Greenwood Avenue Columbus, Ohio 43201  
 Bruce A. Hargan 7816 Delbrook Indianapolis, Indiana 46260  
 Roxanne R. Harper 2974 South Raleigh Street Denver, Colorado 80236  
 Charles D. Harrington 1034 Ivy Lane Cary, North Carolina 27511  
 Clayton D. Harris 112 Charnwood Ct. Evansville, IN 47715  
 Hobart B. Harris 482 Alan Drive New Albany, Indiana 47150  
 Jack L. Harrison Georgia Kaolin Co. Research Labs 25 R. 22 E Springfield, NJ 07081  
 Mr. John R. Harris 3147 S. Vine Ct. Englewood, Colorado 80110  
 James Richard Harris US Dept. of Interior Office of Surface Mining Washington, DC 20240  
 Gregory W. Hartsough 2317 NW 11th Street Oklahoma City Oklahoma 73120  
 Colin C. Harvey 2 Saltburn Road Milford, New Zealand  
 Richard D. Harvey 403 W. Indiana Urbana, Illinois 61801  
 Troy M. Mash 2235 S. State Rd. 446 Bloomington, IN 47401  
 Craig B. Hatfield 2928 Sherbrooke Toledo, Ohio 43606  
 Ronald S. Hattin 3656 Green Ash Court -Apt. 406 Indianapolis, IN 46222  
 James Hauser 566 S. 8th St. E. Salt Lake City, Utah 84102  
 Ruth Rohrer Hays 2000 N. Eighth Street Terre Haute, Indiana 47804  
 Nor Hisham Hazizi 2 J Ln, SS 3//47 Taman Subang SW //Subang Selansor, West Malaysia  
 George E. Hear 414 West Thompson Street Sullivan, Indiana 47882  
 John M. Heckard 8026 Asbury Hills Dr. Cincinnati, Ohio 45230  
 William K. Heffron 803 Lakeshore Drive Michigan City Indiana 46360  
 Paul A. Hesser 3320 Hudnall-Apt. 176-H Dallas, TX 75235  
 Kenneth K. Heh  
 William M. Heid 900 Windhurst Court Louisville, Kentucky 40207  
 Gene W. Heien Box 421 H Estate Drive Highland Park Estate Athens, Ohio 45701  
 Elizabeth Heim 12 Ridse Road Hudson, Massachusetts 01749  
 Herbert C. Heim 55 Apple Road - Apt. 31 Beverly, MA 01915  
 Janet Sue Heiny 510 N. 7th St. DeKalb, Illinois 60115  
 Warren C. Heisterkamp 1785 E. Dry Creek Place Littleton, Colorado 80122  
 Jay Andrew Heitman 434 Elm Street Lawrenceburg, Indiana 47025  
 Wallace Helber 439 Hardins Court Culver, Indiana 46511  
 Eric P. Henderson Geological Survey of Canada Ottawa, Ontario, Canada  
 Gerald J. Henderson 2716 Chamberlain Court Plano, Texas 75023  
 Stephen Henderson 985 Oconee Street Athens, Georgia 30605  
 Gerald J. Hennessy 1104 Harrelton Ct. Evansville, Indiana 47708  
 Dennis N. Henry 401 N. First Street Centerville, Indiana 47330  
 Gary E. Henry 2206 Ellingham Wichita Falls, Texas 76308  
 Darrell G. Herd 36367 Fremont Blvd. Fremont, California 94536  
 George A. Herr 210 Crest Street Columbia, Tennessee 38401  
 William C. Herrins 629 Central Martinsville, Indiana 46151  
 William A. Hertel R 3 Batesville, IN 47006  
 David F. Hess 3201 Barsi Blvd. Macomb, Illinois 61455  
 John F. Hickman 2674 E. Maplewood Avenue Littleton, Colorado 80121  
 Gerard D. Hicks R.1-Box 10 L. 13A Esparola, Washington 99010  
 Phillip D. Hiestand 1711 DeKalb Street Norristown, PA 19401  
 G. Gayle Hildreth 8142 North County Line E Lafayette, Indiana 47905  
 William J. Hill 713 Hoffman Dr. NE Albuquerque, NM 87110  
 Gregory Tait Himes 10165 Lanark Street Sun Valley, California 91352  
 Richard W. Hinton 1166 Strong Avenue Elkhart, Indiana 46514  
 Stuart Hirsch 6211 Briar Glade Drive Houston, TX 77072  
 Thomas S. Hirschmann P.O. Box 2435 Guatemala City Guatemala  
 Robert D. Hite c/o K.J. Wulff R. 3 Shelbyville, Tennessee 37160



Rosemary L. Hluska 7421 Arkansas Hammond, Indiana 46326  
 Albert T. Hoadley 2611 E. Second Street Apt. 1 Bloomington, Indiana 47401  
 Timothy A. Hockenberry 805 Gehlan Way Cloquet, MN 55720  
 Richard G. Hodse Weld Co. - Dist. 6 811 15th Street Greeley, Colorado 80631  
 Michael E. Hohn W. Vir. Geological and Economic Survey P.O. Box 879 Morsantown, WV 26505  
 Timothy G. Holdeman 1061-2 N. Shore Chicago, Illinois 60626  
 S. R. Hollensbe R.R. 3 Mt. Vernon, IL 62864  
 Perry G. Holloway 8745 E. Wilderness Way Shreveport, Louisiana 71106  
 Brian B. Holm Route 2 Plainfield, Vermont 05667  
 Melody Ruth Holm Gulf Oil Company P. O. Box 2619 Casper, WY 82601  
 Olin R. Holt 12506 Whittinston Drive Houston, Texas 77077  
 Peter R. Hoover P.O. Box 210 Trumansburg, NY 14886  
 Alan S. Horowitz 1622 Williams Court Bloomington, Indiana 47401  
 Harold W. Horst 10137 Palmetto El Paso, Texas 79925  
 Richard Srease Horton R5-Box 210 Edmond, Ok 73034  
 James F. Howard Howard and Assoc, Inc 2247 Twenty Grand Ave Owensboro, KY 42301  
 W. Brant Howard 11455 W. 48 Avenue Wheat Ridge, Colorado 80033  
 Eldon Hoyt 6355 E. 161 Street Noblesville, Indiana 46060  
 Stephanie V. Hrabar 5005 Georgi Lane No. 63 Houston, Texas 77092  
 Andrew J. Hreha 361 Pleasant Ridge Road Bloomington, Indiana 47401  
 Wen-Yen Huang 1514 Woodcreek Drive Richardson, Texas 75081  
 Herbert G. Hudson 812 Manzano Street, N.E. Albuquerque, NM 87110  
 Kenneth O. Huff 1106 Payne Casper, Wyoming 82601  
 Ralph Huffaker 4820 Arlingston Kansas City, Missouri 64133  
 Lt. Col. Clyde W. Huffman R. 4 - Box 314 Leavenworth, Kansas 66048  
 Samuel Huffman R.1 Prescott, Wisconsin 54021  
 James E. Hushes 9218 Grace Place Highland, Indiana 46322  
 John H. Hushes 3950 Palisades Park Drive Billings, Montana 59102  
 Wava L. Hummel 558 N.E. 96th Street Miami Shores, FL 33138  
 Ralph E. Hunter 445 Encinal Menlo Park, California 94025  
 Victor Lee Hurm R.2 - Box 509 Grassland Hills Jasper, Indiana 47546  
 R. Chris Hutchison P. O. Box 935 Delta, Colorado 81416  
 Richard L. Hyde 819 Thicket Lane Houston, Texas 77024  
 Raymond S. Hyde 1537 Northlawn Dr. Fort Wayne, IN 46805  
 Donald Myer 12226 Beauford Dr. Houston, TX 77024  
 Ahmed M. Ibrahim Geological Department P.O. Box 410 Khartoum, Sudan  
 Yarub K. Ibrahim 3266 S. Emporia Ct. Denver, Colorado 80231  
 Inda Immesa 3918 Case Houston, Texas 77005  
 Neal T. Immesa 3918 Case Houston, Texas 77005  
 Philip L. Inderwiesen 11415 Lonsbrook Dr. Houston, Texas 77099  
 Edward Isaacs, Jr. 3720 Test Road Richmond, Indiana 47374  
 Wasfy B. Iskander 2000 N. Parkway Memphis, Tennessee 38112  
 Frederick Jackson, Jr. Box 630 Mount Carmel, IL 62863  
 Jack B. Jacks S. 10 W 31357 Irwin Court Wales, Wisconsin 53183  
 James M. Jackson 461 B. El Paso Blvd. Manitou Springs, Colorado 80829  
 James R. Jackson 4004 Sunkist Road Chesapeake, VA 23321  
 Thomas J. Jackson 1614 Richforest Richardson, Texas 75081  
 Walter E. Jackson P. O. Box 1246 Frisco, CO 80443  
 Alan M. Jacobs 323 Lime Oak Drive Pittsbursh, PA 15235  
 Bruce D. James 314 Woodland West Dr. Greenfield, Indiana 46140  
 David Bruce James 414 Maplenut Drive Centerville, Indiana 47330  
 Jeremy Jameson 856 Sconset Lane McLean, Virginia 22102  
 Tyrie R. James 7750 Carolina Place Merrillville, Indiana 46410  
 W. Calvin James Geology Dept. Vanderbilt University Nashville, Tn 37235  
 Alan G. Jancovech 8029 Warbler Way Indianapolis, Indiana 46256  
 Jack R. Jankovich 1835 Cedar Crest Manhattan, Kansas 66502  
 Mark L. Jaworski Consolidated Resources of America P. O. Box 721 Henderson, KY 42420  
 Wo Jee-Hins Atlantic Waves Motel 1925 S. Atlantic Ave. Daytona Beach, FL 32018  
 Michael T. Jefferson 9820 Veux Carre No.3 Louisville, Kentucky 40223  
 Robert D. Jenkins 1202 N.W. 38th Street Oklahoma City, OK 73118  
 William P. Jenkins P. O. Box 762 High Point, NC 27261  
 Frank M. Johnson, Jr. Div. of Chevron Oil Co. 1111 Tulane New Orleans, LA 70112  
 Gerald H. Johnson 105 Caran Road Williamsburg, VA 23185  
 Patricia Ann Johnson  
 Neal Carter Johnson Shell Oil Co. P. O. Box 991 Houston, TX 77001  
 Richard H. Johnson 3216 Boltwood Drive Muskegon, Michigan 49441  
 Henry L. Jones 2280 Jennings Street Gary, IN 46404  
 Robert G. Jones 1716 Ridseway Ave. Vincennes, Indiana 47591  
 Robert L. Jones 2094 W. Sequoia Grand Junction, CO 81501  
 Richard T. Jones 9450 Woodfair #2505 Houston, TX 77036  
 Shirley A. Jones 2545 N. Maryland #212 Milwaukee, WI 53211  
 Thomas D. Jones R1-Box 165-AA Bernice, LA 71222  
 James P. Jontz R. 1 Williamsport, IN 47993  
 Michael K. Jordan 1905 McDowell Road Vincennes, IN 47591  
 Irene K. Joyce 246 N. Rensselaer Ave. Griffith, IN 46319  
 Mark E. Junsemann 916 Forest Dr. No.3E Riverton, Wyoming 82501  
 Thomas Kalan P.O. Box 2858 c/o Asamera Jakarta, Indonesia  
 Thomas W. Kammer 700 Hickory Mill Circle Kent, Ohio 44240  
 Harriett Kaschube Box 255 Derrick City, PA 16727  
 W. L. Kaschube Box 255 Derrick City, PA 16727

Harold V. Kaska 50 Nottingham Circle Clayton, California 94517  
 Harold N. Kaufman 640 Ash Lane Wheeling, IL 60090  
 Douglas M. Kayes 1425 La Fite Mandeville, LA 70448  
 Frederick R. Keer 4519 Chase Ave. Bethesda, MD 20014  
 Alan F. Keiser 324 Barrickman Mordantown, WV 26505  
 Peter Hill Kellams 1956 Bookbinder St. Louis, Missouri 63144  
 Michael C. Kelleher 7533 Trenton University City, MO 63130  
 Peggy Keller 916 Third St. Cheney, WA 99004  
 Stanley J. Keller 1620 Maplecrest Drive Bloomington, Indiana 47401  
 Paul L. Kelly Route 1 Murtaugh, Idaho 83344  
 Stuart Mac K. Kelly 2545 N. Maryland Ave. #212 Milwaukee, WI 53211  
 Bryan S. Kemmerer 6169 Buckskin Cr. Victor, New York 14564  
 Dale E. Kenney P.O. Box 3202 Anchorage, Alaska 99510  
 Patrick W. Kennedy 281 Bel Aire Lowell, Indiana 46356  
 Stanley C. Kent 1518 Gatehouse Circle B-2 Colorado Springs, CO 80904  
 Timothy J. Kerr R.2-Box 136 Petersburg, Indiana 47567  
 Steven M. Kestle 1816 LaSalle St. Louis, MO 63104  
 Moayad H. Khawaja Geology Dept. University of Iraq Adhamiak, Baghdad, Iraq  
 Ikram U. Khawaja 5976 Parkland Ave. Youngstown, Ohio 44512  
 Caroline H. Kierstead R.F.D. Williamsburg, MA 01096  
 Joseph F. Kimerer R.R.2 Box 228 Seneca, MO 64865  
 Norman Ralph Kings Getty Oil Company 1515 Arapahoe Street Suite 700 Denver, Colorado 80202  
 Addison H. Kins, II 6447 Holliday Drive, West Indianapolis, Indiana 46260  
 Ruth E. Kiper 309 West Locust Boonville, Indiana 47601  
 Robert W. Kirby 716 Clowdon Rd. Palos Verdes Estates, California 90274  
 Richard E. Kirk 505 Renwood Circle Lafayette, LA 70501  
 Don L. Kissling Robertson Research 16730 Hudderscraft Houston, Texas 77060  
 Mary Zeita Kleschen 1836 Grant Evanston, Illinois 60201  
 B. Dale Kline 8 Sunny Oaks Drive San Rafael, CA 94901  
 David F. Kluesner Brunei Shell Petroleum DPG/12 Seria, Brunei, NW Borneo  
 Ronald W. Klusman R. 7 Box 555 G Evergreen, Colorado 80439  
 Douglas J. Knab 7254 Shady Arbor Houston, TX 77040  
 Ralph W. Knapp State Geological Survey of Kansas Raymond C. Moore Hall 1930 Ave. A Campus West Lawrence, Kansas 66044  
 Linda B. Knight 206 N. Main Spencer, Indiana 47460  
 Larry W. Knox Dept. Earth Sciences Tennessee Tech. University Cookeville, TN 38501  
 Lee G. Krudtson 1450 Rancheview Dr. Lafayette, California 94549  
 Gary D. Kochert 330 Crestwood Dr. Athens, Georgia 30605  
 Steven W. Koehler Koehler Geo-Research Lab P.O. Box 41 Grandville, ID 83530  
 Roger U. Koelpin 319 E. 12th St. Bloomington, IN 47401  
 James B. Koenig Geothermal Exploration 901 Mendocino Berkeley, CA 94707  
 Donald H. Komito R.5 12 Bonaire Circle Fort Meyers, Florida 33908  
 Louis C. Konetski 121 Lakloy Drive Fairbanks, Alaska 99701  
 Frank E. Kottowski 703 Sunset Drive Socorro, New Mexico 87801  
 Ann E. Kovalchik 15980 Cutler Rd. Portland, MI 48875  
 Joseph R. Kramer  
 John W. Krauhs 1620 Westlake Dr. Gladwater, TX 75647  
 Elizabeth Krebs  
 Sr. Mary M. Krimmel Bishop Divenser H. S. 1300 E. Washington-Center Fort Wayne, IN 46803  
 Daniel Lee Krisher 42 Spring Street Livonia, New York 14487  
 Crais William Kroll 500 Rose West Lafayette, IN 47906  
 Edward E. Kroner 910 Sherwood Lake Drive Schererville, Ind. 46375  
 Noel C. Krothe 4515 Cambridge Court Bloomington, Indiana 47401  
 William N. Kubsch Hillside Lake Wappingers Falls, NY 12590  
 Edward M. Kuck 1248 Cady Maumee, Ohio 43537  
 Barry S. Kues 3412 Calle del Monte, NE Albuquerque, NM 87106  
 Harry W. Kusler 4621 Payalof Street Anchorage, Alaska 99502  
 B. D. Kuhn Chevron Oil Co. P.O. Box 36487 Houston, Texas 77036  
 Lucy Kuizon E. 1306 29th Ave. Spokane, WA 99203  
 Cary P. Kuminecz 825 Ailsie No.36 Kingsville, Texas 78363  
 Margaret C. Kusmutz 402 E. St. Louis Knox, Indiana 46534  
 Therese Kwiecien 3695 N. 700 West LaPorte, Indiana 46350  
 Byung Doo Kwon 207 3G.A. Dongdaeshin-Dong S.E.O.-G.U. Busan, South Korea  
 George Thomas Ladd 23 Curve Street Watick, Massachusetts 01760  
 Alan P. Laferriere 811 E. 25th St.-Apt. 2 Casper, Wyoming 82601  
 Joseph R. Lasro  
 Ellen Anne Lake 13614 Knollwood Dr. Dallas, TX 75240  
 Michael W. Lambert 3100 Rue Parc Fontaine Apt. 2308 New Orleans Louisiana 70114  
 John R. Lane 321 Coventry Circle Fullerton, CA 92633  
 Michael A. Lane 44 Rollinswood Dr. San Rafael, CA 94901  
 Phillip J. Lane 13710 Pinerock Houston, Texas 77024  
 Robert L. Laney USGS National Center M.S. 411 Reston, Virginia 22092  
 David R. Lankard 3629 Romney Columbus, Ohio 43221  
 Marian M. Lankston E-509 Parkhill Drive Spokane, Washington 99208  
 Robert W. Lankston E-509 Parkhill Drive Spokane, Washington 99208  
 F. William Laslow R1 -Box 514 Antioch, IL 60002  
 Fred H. Latimer 6649 Longfellow Drive Dallas, Texas 75230  
 John David Lazor 7719 Bunnings Hills Houston, Texas 77071  
 Elinor Bakun Lea St. Marks School Southborough, Mass. 01772  
 Robert H. Leach II 33 Pine Hill Drive Simsbury, CT 06070  
 Darrell I. Leap Dept. of Geosciences Purdue University West Lafayette, Indiana 47907

Lawrence R. Lebauer 309 Orchard Way Merion, PA 19066  
 George G. Leckie Midhurst Coulsdon Lane Chipstead Survey C.R.330.L. Enslond  
 Marjorie Leder 1416 Highland Drive San Marcos, Texas 78666  
 Barbara J. Lee 8300 Sands Point Apt. 610 Houston, Texas 77036  
 Hyang Ho Lee Dept. of Earth Sciences Korean Military Academy Seoul, Korea  
 Howard W. Lee Box 1075 Princeton, Indiana 47570  
 Elwin Noah LeFevre 320 W. Fourth Constantine, MI 49042  
 Lynn Edw. Lehman 823 S. 8th Goshen, Indiana 46526  
 John K. Lehner P. O. Box 8753 Metairie, Louisiana 70011  
 Richard K. Leininger Route 1, Box 374 Spencer, Indiana 47460  
 Suzanne Elaine Leininger 5402 Summit Ridge Trail Arlington, TX 76017  
 Marsha T. Lewley 3512 Lake Ponchartrain Arlington, Texas 76010  
 Karl C. Lemmerman 2212 Glacier Street No. 208 Anchorage, Alaska 99504  
 Jerry A. Lemmons 55 Standish Blvd. Pittsburgh, PA 15228  
 Charles E. Lenahan 603 Roseview Terrace New Albany, Indiana 47150  
 Eugene J. Lennart 7416 Tom Joe Drive Louisville, Kentucky 40222  
 Stephen P. Lentz 7545 Katella #20 Stanton, CA 90680  
 Mark S. Leonard 53-A Antigua Dr. Kenner, LA 70062  
 Carl M. Leshner 12 Cook Street Medlands, Western Australia Australia 6009  
 Daniel L. Lewis 3550 S. Pennsylvania St. No. 502 Englewood, Colorado 80110  
 David Van Hoff Lewis 523 East 51st Street Indianapolis, IN 46205  
 Glenn M. Lewis R.4 No. 6 School Road Evansville, Indiana 47712  
 Norman M. Lewis, Jr. 1154 S. Newland Place Lakewood, Colorado 80227  
 Mikel B. Lewman 2673 Pearl Columbus, Indiana 47201  
 Robert D. Libra 283 A N. Johnson St. Laramie, WY 82070  
 Michael L. Lieser 1050 S. Monaco Parkway No. Denver, Colorado 80224  
 Charles Lindenschmidt Mobil Oil Co of Canada, Ltd. P.O. Box No. 800 Calgary, Alberta, Canada  
 Helen A. Lindsren 2221 Hermitage Way A105 Indianapolis, IN 46224  
 Jeffrey C. Line 5628 South Bend Drive Ft. Wayne, IN 46804  
 Jerry A. Lineback Robertson Research 16730 Hedsecroft-Suite 306 Houston, TX 77060  
 David Earle Lisby 5811 Pocono Mesa North No. 604 Indianapolis, Indiana 46224  
 Joe J. Litehiser 764 16th Ave. San Francisco, CA 94117  
 Carl Ennis Lockhart (Consultant) 200 Townsend Buildings Casper, Wyoming 82602  
 Grady A. Loftin, Jr. 1209 New York Avenue Alamogordo New Mexico 88310  
 Harlan D. Logan Blue Forest Farm Meriden, NH 03770  
 Lester L. Logue 12640 Hillcrest Dallas, TX 75230  
 Eric Joe Lomax 1747 Coachtown Sq. no. 11 Indianapolis Indiana 46219  
 Robert F. London 30 Bishop Road Sharon, Massachusetts 02067  
 Stephen H. Loner 11119 W. Kentucky Dr. Lake Wood, CO 80226  
 Jeffrey C. Lons Route 2 Flora, Indiana 46929  
 Judith G. Longshore 1347 F Arcata, California 95521  
 Karl E. Longstreth Everman 568 Bloomington, Indiana 47401  
 Thomas M. Loretto 420 N. Second St. Lewiston, NY 14092  
 Barry Jay Loshin 817 N. Park Avenue Bloomington, Indiana 47401  
 Richard O. Loudon 1539 S. Van Gordon Court Lakewood, Colorado 80228  
 Douglas L. Love  
 Brent H. Lowell 415 Sylvan Circle Brandon, South Dakota 57005  
 Susan H. Lowell 415 Sylvan Circle Brandon, South Dakota 57005  
 Dennis R. Lucas 4872 Desire Drive New Orleans, LA 70126  
 Allan Ludman Earth and Environmental Science Queens College Flushing, New York 11367  
 Paula J. Lundsren 3330 Rutledge Dr. Indianapolis, In. 46208  
 Steven K. Lutter H.H.C. U.S.A.F.S. Ausburs Box 2318 APD New York, New York 09458  
 Kathleen P. Lyons 2257 Paradise Village Way Las Vegas, NV 89120  
 R. Patrick MacDaniel 1855 Fountain View Houston, TX 77081  
 James R. MacDonald 6325 Lawrence Drive Indianapolis, IN 46226  
 Gregory H. Mack Dept. of Earth Sciences New Mexico State Univ. Las Cruces, NM 88003  
 John C. Mackey 3491 E. Rogers Road Bloomington, Indiana 47401  
 Herbert L. Masley 21227 Cimarron Parkway Houston, Texas 77450  
 Sharon M. Mahan  
 James R. Mahorney 15222 Starboard Garden Grove, CA 92640  
 Phillip G. Malone 705 Santa Rosa Drive Vicksburg, Mississippi 39180  
 Joan (Buehler) Maltman Broncastellan Penrhyncock Sw23 3e Nr Aberystwyth, Wales, Enslond  
 Kent M. Mansold 5705 Carew Houston, Texas 77074  
 Donald W. Mannan  
 Thomas D. Mansfield 700 W. Martin Muncie, Indiana 47303  
 Joseph L. Manson 20 S. Abington Street Arlington, Virginia 22204  
 Phyllis S. Marsh Box 1423 Kalispell, Montana 59901  
 Robert J. Marshall 9704 W. Ridgeway Ct. Columbus, Indiana 47201  
 Herman L. Martin 109 Chestnut Street Huntingburg, Indiana 47542  
 Jacqueline B. Martin 5724 18th Ave. NE Calgary, Alberta Canada T1Y1 1P1  
 Shirley K. Martinson 304 8th Place NW Austin, Minnesota 55912  
 Peter Martin 6627 Doswood Ct. Fort Wayne, Indiana 46804  
 Richard E. Martindale Route 1 Urbana, Indiana 46990  
 Jack L. Mason R.2 Box 77A Meadowview, Pa, 24361  
 Wulf F. Massell 4002 El James Drive Spring, Texas 77373  
 David L. Mathews Star Route Box 2219 Anchorage, AK 99507  
 Jane E. Mathews 1027 Lexington 2Butte, MT 59701  
 Elizabeth Ann Matney 5408 Ye Old Post Rd. #4 Louisville, KY 40219  
 C. Diane Matt 1435 S. Elm Street Denver, Colorado 80222  
 Robert Allen Matthews R.R. 2-Box 473 Liberty Center, Ohio 43532

James Oliver Maxwell Jr.  
 Bernard R. Maynard Box 245 Valley View Road Eighty Four, PA 15330  
 Paul A. Mazalan 3918 Fruitvale Oakland, California 94602  
 Kenneth E. McCain RR1 Box 24 Elizabethtown, IN 47232  
 Richard L. McCain 4018 Roberts Road Fairfax, VA 22030  
 Helen M. McCammon 8430 Bradley Blvd. Bethesda, MD 20034  
 Richard B. McCammon 8430 Bradley Blvd. Bethesda, MD 20034  
 Michael R. McCann 109 Douglas Drive Glasgow, KY 42141  
 Maurice D. McClain R 2 Rockville, IN 47872  
 Ralph B. McClintock 2501 Woods Blvd. Lincoln, NE 68502  
 Willis E. McConnaha III  
 John A. McCormick 39 Grand Canyon Drive New Orleans, LA 70114  
 John Thomson McCory 15921 Canyon Glen Parkway Fort Wayne, IN 46825  
 James C. McCulloch RR 2 -Box 269 Hanover, IN 47243  
 Jeffrey M. McDermott 2115 Auburn Hills Tomball, TX 77375  
 Patrick McDevitt 2403 Covenant Drive Bloomington, IN 47401  
 Br. Ralph L. McDonald Box 252 Elkins, WV 26241  
 Michael E. McDowell 829 Sunblest Blvd. Noblesville, IN 46060  
 Michael T. McGee PO Box 353 Stafford, VA 22554  
 Preston McGrain 1221 Providence Road Lexington, KY 40502  
 Daniel L. McGrew 289 Meritase Dr. Danville, IN 46122  
 Lucius B. McHarsue 27 West Noble Avenue Monroe, MI 48161  
 Jack W. McIntosh 3203 Haynes Midland, TX 79701  
 Edward D. McKay, Jr. 210N. Reed St. Robinson, IL 62454  
 Michael J. McLane Veezay Geoservice, Inc. 5660 S. Syracuse Circle Englewood, CO 80111  
 Lotus M. McLemore 1923 Churchill Dr. South Bend, IN 46617  
 Robert L. McLemore 223 LaDonna Evansville, IN 47717  
 William S. McLoda 2823 Burlington Blvd. Dallas, TX 75211  
 A.P. McMann  
 James J. McNally II IN 261 Stacy Court Glen Ellyn, IL 60137  
 James P. McPhee 129 N. Tuxedo South Bend, IN 46615  
 Maxwell A. Meise 6705 East 11th Street Indianapolis, Indiana 46219  
 Herbert J. Merrill 2852 Resal Circle D Birmingham, Alabama 35216  
 Gerry Messner  
 Robert L. Methot 225 Scotland Road Norwich Connecticut 06360  
 Carl W. Meyers 1007 St. Andrews Rd. Bellevue, Nebraska 68005  
 Herbert H. Meyer R. 2-Box 170A Grabill, Indiana 46741  
 James Harlan Meyers Dept. of Geol. - Earth Sci Winona State Univ. Winona, Minn. 55987  
 Donald R. Micklon Wellwood School Fayetteville, NY 13066  
 Gary Van Middlesworth 205 North 11th Street Richmond, Indiana 47374  
 Paul E. Middleton 24 Majestic Avenue Lincroft, New Jersey 07738  
 Alfred T. Miesch 10300 West 23rd Avenue Denver, Colorado 80215  
 Vincent E. Mikulski 11634 E. Cedar Avenue Aurora, Colorado 80014  
 David W. Millen 15550 E. Bates Avenue Aurora, Colorado 80013  
 John M. Miller P.O. Box 723 Orange Park, Florida 32073  
 Marvin R. Miller 1231 W. Park St. Butte, Montana 59701  
 Vicki T. Miller 1231 W. Park St. Butte, Montana 59701  
 Ralph W. Miller c/o Kenai Air Service Kenai, Alaska 99611  
 Terry A. Miller 11131 St. Joe Road Ft. Wayne, Indiana 46805  
 Madelyn A. Millholland Houston Oil and Minerals 222 Milwaukee-Suite 408 Denver, Colorado 80206  
 Timothy J. Mills 5786 Deerfield Road Milford, Ohio 45150  
 James J. Milne 6843 Hohman Avenue Hammond, Indiana 46324  
 Robert C. Minnings 4903 Dawn Ave. E. Lansing, Michigan 48823  
 James M. Mitchell 3500 Huntington Ave. Apt. 2 Lincoln, Nebraska 68503  
 John N. Mitchell 2020 Ekin Avenue New Albany, Indiana 47150  
 John R. Mitchell 2604 E. Second Bloomington, Indiana 47401  
 Sarah K. C. Mitchell 114 E. Allison Seattle, Washington 98102  
 Rosalind R. Modlin 1307 Kingston Avenue Alexandria, Virginia 22302  
 William F. Moll 3909 Farhills Drive Champaign, Illinois 61820  
 Jay Bee Monroe 45 Allendale Terre Haute, IN 47802  
 Robert E. Montgomery 4232 E. Michigan Indianapolis, IN 46201  
 Arthur E. Moore 5300 West 96th St. Indianapolis, IN 46268  
 Cynthia J. Moore 3353 W. 34th - Apt. A Indianapolis, Indiana 46222  
 Dennis Dee Moore 4308 8th Street East Moline, Illinois 61244  
 George T. Moore 1102 N. Montecito St. Placentia, CA 92670  
 Michael C. Moore 5644 S. 88th Avenue East Tulsa, Alaska 74147  
 Robert C. Moore Gold Fields Mining Corp. 445 Union Blvd. 7310 Lakewood, Colorado 80228  
 Vera (Pokrajac) Moore 5010 Prairie Oaks Drive Gurnee, Illinois 60031  
 Mary I. Moose 7177 East Costilla Drive Englewood, Colorado 80110  
 Ramona D. More K1 -Box 219 Heltonville, IN 47436  
 Peter A. Moreau 2001 Laverne-Apt. 204 Houston, TX 77080  
 David J. Morton 1805 E. Alto Road Kokomo, Indiana 46901  
 James B. Mosier, Jr.  
 Michael C. Mound 3128 Country Club Drive Costa Mesa, CA 92626  
 Mohamed Ahmed Muhayuddin 33 Jalan Isereesen Penang, Malaysia  
 Raymond C. Mullen 616 Williamsdale Rd. Richmond, VA 23235  
 Donald J. Munich 807 Main Street Jeffersonville, IN 47130  
 Richard M. Munson 9991 Kinlock Detroit, Michigan 48239  
 Bonnie Lee Murchie 6644 S. Penrose Ct. Littleton, Colorado 80121  
 Thomas Joe Murphy 413 Third Ave. Ottawa, IL 61350

James F. Murray 3621 Woodvalley Place Topeka, Kansas 66614  
 Eric D. Mustonen 2 Kent Lane Ridgefield, CT 06877  
 Randall E. Myer 202 N. Davis St. Walton, Indiana 46994  
 Bobby Wade Myers 7700 Corporate Drive No. 201 Houston, Texas 77036  
 Carl W. Myers 1007 St. Andrews Rd. Bellevue, NE 68805  
 Robert R. Myers 11402 Peacock Drive Indianapolis, Indiana 46236  
 Martin M. Nadins 5436 Woodhurst Boulevard Fort Wayne, Indiana 46807  
 Alfred Nahapetian 405 E. 17th St. Bloomington, Indiana 47401  
 Norman J. Napier, Jr. 10464 Pursatoire Park Littleton Colorado 80123  
 Shafik A. Nasser  
 John R. Neel Route 2 Box 157A Kankakee, Illinois 60901  
 Allen H. Nelson 817 Wendy Lane Edmond, Oklahoma 73034  
 Dennis A. Nelson 13 Leverwood Ct. The Woodlands, TX 77380  
 Gary Wayne Nelson 1230 S. Richland Indianapolis, Indiana 46221  
 Jack L. Nelson 1403 20th St. Golden, Colo. 80401  
 Marc Edw. Nelson 10705 Constitution N.E. Albuquerque, N.M. 87112  
 Marsaret Nelson 817 Wendy Lane Edmond, Oklahoma 73034  
 Priscilla Nelson 305 Wyckoff Ave. Ithaca, New York 14850  
 Warren L. Nelson 5210 Crystal Bay Drive Houston, Texas 77084  
 George M. Nevers 10539 Laneview Houston, Texas 77070  
 Robert M. Newman  
 Donald R. Newson 2401 Division-Apt. A36 Metairie, LA 70001  
 Linda Ann Nichols 607 N. Fess No. C3 Bloomington, Indiana 47401  
 Mark D. Nickelson 536 Jamestown Court-H-Ct. Edgewood, Maryland 21040  
 Dorian L. Nicol Exxon Minerals Co. 1251 Ave. of the Americas New York, NY 10020  
 Robert S. Nicoll Bureau of Mineral Res. P. O. Box 378 Canberra City, Act, Australia 2601  
 James K. Niehaus 2003 Green View Avenue Vincennes, Indiana 47591  
 Eric Nish 8063 Dartmouth Rd. Indianapolis, Indiana 46260  
 Nicholas W. Noe 4460 Aristocrat Circle Indianapolis, Indiana 46204  
 James A. Noel  
 Sylvia S. Noirat Rudolfo Collet 838 Claypole PCIA Buenos Aires, Argentina  
 William P. Moore 3416 Valencia Ct. Walnut Creek, CA 94598  
 Jack B. Northrup 2284 Alscot Ave. Santa Susana, CA 93063  
 Jimmie Lee Northrup 223 11th St. St. Maries, Idaho 83861  
 John Vincent Nugent 6308 N. Winthrop Chicago, Illinois 60660  
 Mohamed Osman Nujud Geology Dept. P.O. Box 410 Khartoum, Sudan  
 Charles Myron Oberly 2020 Arthur Drive Waukesha, Illinois 66085  
 Anne F. O'Connell 1002 Third St. No. 5 New Orleans, Louisiana 71030  
 Dennis B. O'Connell 392 W. Jordan Rd. Indianapolis, Indiana 46217  
 Ronald K. Osle 8138 East Hindsdale Drive Englewood, Colorado 80110  
 William H. O'Keefe River Road-Box 230 Mansfield Center, CT 0625  
 Saleh M. Okla Department of Geology University of Riyadh Riyadh, Saudi Arabia  
 William W. O'Leary Route 1 Dakota, IL 61018  
 Joseph W. Oliver 228 S. Gilpin Denver, CO 80209  
 David C. Olliver 3400 Kensington Evansville, Indiana 47710  
 Carolyn G. Olson U.S. Geological Survey 345 Middlefield Road Menlo Park California 94025  
 Franklin D. Olson, Jr 13618 Shirley St. Omaha, NE 68144  
 Daphne Onofrio  
 Douglas A. Orell Dept. of Geology - IU Bloomington, IN 47405  
 James R. Orsill P.O. Box 599 Denver, Colorado 80201  
 Michael S. Orlich Consolidation Coal Co. 101 Plaza E. Blvd. 7309 Evansville, Indiana 47715  
 Curtis B. Orloff 8222 Northcote Munster, IN 46321  
 Robert E. Orłowski P.O. Box 196 Hancock, Wisconsin 54943  
 Larry E. Orr R.R. 2 Wolcottville, Indiana 46795  
 R. William Orr 2500 Brook Drive Muncie, Indiana 47304  
 John S. Osborne 4309 Arcadia Indianapolis, IN 46226  
 Linda Diane Osborn 8415 Shoreway Drive Indianapolis, IN 46240  
 William Von Osinski 4108 Argyle Street Regina, Saskatchewan Canada  
 Jeffrey S. Osluno R2-Box 912 Lacombe, LA 70445  
 Leonard B. Otte Route 4 Seymour, Indiana 47274  
 Douglas E. Otto  
 Michael H. Paine 25687 Foothills Drive North Golden, CO 80401  
 Arthur N. Palmer Dept of Earth Science State University College Oneonta, NY 13820  
 Margaret V. Palmer Dept. of Earth Science State University College Oneonta, NY 13820  
 Henry J. Paparazzo R. 100 Somers, New York 10589  
 Mary C. Parient 200 North Sixth Street Attica, Indiana 47918  
 Dennis C. Parker W. R. Grace Chemical Co. Curtis Bay Works Baltimore, MD 21226  
 John S. Parker S.R.A. Box 17-C Anchorage, Alaska 99507  
 Norbert A. Parker Washington Marina 1300 Maine Avenue Washington, D.C. 20024  
 Raymond L. Parker 2570 Robb Street Lakewood, Colorado 80215  
 Marshall E. Parks c/o Indiana State Univ. Terre Haute, Indiana 47809  
 Bernard Parlock 927 Quinn Place Dyer, Indiana 46311  
 Irwin S. Parrish 7272 Queen Street Arvada Colorado 80005  
 Rev. Robert E. Parsons P.O. Box 1030 Brady, Texas 76825  
 Sister Catherine Paskwietz 1424 Parkview Ave. Whitings, Indiana 46394  
 Charles F. Passel 1419 Tanslewood Abilene, Texas 79605  
 John B. Patton 809 Sheridan Road Bloomington, Indiana 47401  
 John H. Payne 8917 Sourwood Court Indianapolis, Indiana 46260  
 Kenneth A. Payne 640 Wellesley Drive Houston, Texas 77074  
 Mary Woods Payne 8805 Madison Ave.-Apt. 305A Indianapolis, IN 46227

Jeffrey A. Pearce 8624 Birch Ct. Louisville, KY 40222  
 Thomas Jay Pearce  
 Loretta L. Pecchioni 329 Edserton Oakley, Kansas 67748  
 Edward Vance Peck True Drilling Co. Casper, Wyoming 82601  
 Howard W. Peirce 4511 E. San Carlos, Place N Tucson, Arizona 85716  
 Charles G. Pennell Exploration Lossing U.S.A., Inc. 10627 Kinghurst Drive Houston, Texas 77099  
 W. Dean Pennington 1802 Saddler Drive Bedford, Indiana 47421  
 Michael C. Penz  
 Peter B. Penzenik 30 Walnut Lane P.O. Box 1161 Shady Cove, Oregon 97539  
 Arthur Percy 15 Island Place Matawan, New Jersey 07747  
 Ronald D. Perkins 2719 Montsomerly St. Durham, NC 27705  
 Barry Perimutter Dept. of Geosciences Jersey City State College Jersey City, NJ 07305  
 Allen D. Perry Office of Surface Mining Eastern Technical Center 10 Parkway Ctr. Pittsburg, PA 15220  
 Donald Neil Peterson 1607 Bis Horn Drive Houston, TX 77090  
 Theodore Petranoff 1240 S. Grace Denver, Colorado 80222  
 David H. Phail 1979 Dowling Court Santa Rosa California 95404  
 Raymond N. Pheifer 9119 Benthos Drive Houston, Texas 77083  
 James T. Phillips R.3-Box 304 Cadiz, Kentucky 42211  
 Dora Phillips R3-Box 304 Cadiz, KY 42211  
 Robert Dale Phillips 418 Oak Drive Carmel, Indiana 46032  
 David D. Phoenix 1703 E. Washington St. Bloomington, IL 61701  
 Ann H. Pickering  
 Ranard J. Pickering 2321 North Richmond Arlington, VA 22207  
 Arthur P. Pinsak 3365 Tacoma Circle Ann Arbor, Michigan 48104  
 R. Gordon Pirie Walnut Hill Road Bethel, Connecticut 06801  
 Chuang Pitakchamnon Engineering Faculty Kasetsart University Bangkok, Thailand  
 Mark A. Pitts 1510 Paul Dresser Dr. Terre Haute, IN 47803  
 Anne E. Plathe 1351 Timberwyck Ct. Fairborn, OH 45324  
 Lowell B. Plock 3000 Huntleigh Drive Oklahoma City Oklahoma 73120  
 Sheila W. Plosser 304 Canon Drive Santa Barbara, CA 93105  
 Thomas G. Plymate Dept. of Geography and Geol Southwest Missouri State U Springfield, Missouri 65802  
 Willard O. Polley, Jr 8032 N. Shiloh Rd. Unionville, IN 47468  
 Josephine Starr Pond 416 Marisold Ave. Foley, Alabama 36535  
 Elise W. Porter Dept. of Geology-IU Bloomington, IN 47405  
 James F. Powell 25 Pinecrest Brandon, Miss. 39042  
 Joseph S. Powell 2600 Mt. Pleasant Pike Columbia, Tennessee 38401  
 Alan R. Pratt 1175 Fairfield Avenue Reno, Nevada 89502  
 David D. Prentiss  
 Clifford G. Priem  
 Martin Prinz Amer. Museum of Natl Hist Central Park W. at 79th St New York, NY 10024  
 Paul D. Proctor P. O. Box 607 Rolla, Missouri 65401  
 Robert L. Proudfit 11530 Jefferson Road Osceola, Indiana 46561  
 Frank D. Pruett 144 Crasmont Walnut Creek, CA 94598  
 Thomas E. Purkey 7545 Estates Road Reno, Nevada 89506  
 George Puscas Gulf Oil Co. P. O. Drawer 1150 Midland, TX 79702  
 Rex E. Radar 2528 East 25th Place Tulsa, Oklahoma 74114  
 Frank T. Raso, Jr. 3340 S. Albion Denver, CO 80222  
 John E. Ramsey R.1-Wakefield Ct. Kendallville, IN 46755  
 Helmo Rand Fernando Burlamaqui 117 Box Viadem Recife P.E. Brazil  
 Jeffrey M. Randall 7978 SW 166th Place Beaverton, Oregon 97005  
 John W. Ransford 715 East Ninth Street Mount Vernon, Indiana 47620  
 Barbara L. Ransom 4070 Nottingham Hill Columbus, Ohio 43220  
 B. V. Rao Geological Surveys of India M.P. Circle 2 Jabalpur, India  
 Reevar Dee Rarick 312 N. Bryan Bloomington, Indiana 47401  
 Mary Paulette Ratts 7575 E. Arkansas No.13-203 Denver, Colorado 80231  
 John H. Ravenscroft 7411 South 70th East Ct. Tulsa, Oklahoma 74133  
 Paul C. Raymond 3207 Haynes Midland, Texas 79701  
 David G. Reazin Dept. of Geology-I.U. Bloomington, Indiana 47405  
 David A. Reed  
 George B. Reef 4590 S. Fraser Way Denver, Colorado 80232  
 James E. Reeves 3617 N.W. 67th Oklahoma City, OK 73116  
 John R. Reeves 436 S.W. 6th Avenue Boca Raton, Florida 33432  
 Robert G. Reid Route 1, Box 635 Madras, Oregon 97741  
 Mark B. Reifenstein 010 S.W. Porter St. No.20 Portland, Oregon 97201  
 Jane (Curl) Reiss 50 Hibury Dr. Houston, TX 77024  
 Kenneth Irwin Reiss 50 Hibury Dr. Houston, TX 77024  
 Raymond M. Rene 4222 Willowisp Drive Norman, Ok 73069  
 Howard Renick 3611 Imperial Avenue Midland, TX 79703  
 Robert G. Reno Reno Television Service 1911 South Arlington Avenue Indianapolis, IN 46218  
 William A. Rensberger 51270 Tee Court South Bend, Indiana 46628  
 Mary Beth Renwald 1038-170th Place Hammond, IN 46324  
 Bert L. Renzetti  
 Phyllis J. Renzetti Box 285 Herndon, Virginia 22070  
 Mark Reshkin 1508 Wood St. Valparaiso, Indiana 46383  
 Michael A. Retherford R2 69 Hobbs Rd. A2 Plattsburgh, NY 12901  
 Herbert C. Reuter, Jr 5 Dower Circle Carmel Valley, CA 93924  
 Frank A. Revetta Dept. of Geological Science SUNY, College at Potsdam Potsdam, NY 13676  
 Douglas W. Reynolds 2528 Needles Court Owensboro, Kentucky 42301  
 John L. Reynolds 609 Hilton Drive Euless, TX 76039  
 Richard J. Rezba 2504 Stuts Lane Richmond, VA 23235

James L. Rice 5807 Catina -Apt. C New Orleans, LA 70124  
 Jerald Rice Cider Mill Lane Upton, Massachusetts 01569  
 Benjamin H. Richard Dept. of Geology Wright State University Dayton, Ohio 45431  
 Robert E. Richert 515 E. 8th St. Bloomington, Indiana 47401  
 John T. Riddell Grayville Road Griffin, Indiana 47616  
 Timothy J. Riddell Grayville Road Griffin, Indiana 47616  
 Bradley J. Ridseby 237 S. Hart Princeton, IN 47670  
 Samuel L. Riely Mobil Oil Indonesia, Inc. P. O. Box 400 Jakarta Pusat Jakarta, Indonesia  
 Ronald A. Riepe 131 S. Slusser St. Grayslake, Illinois 60030  
 Kenton N. Risds 12275 Applewood Knolls Dr. Lakewood, Colorado 80215  
 Daniel L. Rimstidt 5422 W. Sherwood Dr. Newburgh, IN 47630  
 J. Donald Rimstidt Dept. of Geological Science Virginia Polytechnic Inst. and State University Blacksburg, VA  
 Gianfranco G. Rinaldi 15711 Echo Canyon Drive Houston, Texas 77084  
 Charles D. Rinehart 4314 Parkdale Midland, TX 79703  
 Cheryl L. Metz-Rinehart 4313 Parkdale Midland, TX 79703  
 Michael A. Ringwald 7505 Westport Road Louisville, KY 40222  
 David E. Riskey Dept. of Geology-IU Bloomington, IN 47405  
 Dennis W. Risser 4142 Mesa Verda N.E. No.3 Albuquerque New Mexico 87106  
 Eric W. Robbins 13266 E. Asbury Dr. Aurora, CO 80014  
 Gerald D. Robbins 2207 Barclay Road Oklahoma City Oklahoma 73120  
 Raymond W. Robbins 1306 South Durbin Street Casper, Wyoming 82601  
 Stephen D. Robbins 12330 Bexley Drive Houston, TX 77099  
 Carroll N. Roberts 6471 Central Avenue Indianapolis, Indiana 46220  
 Eddar M. Roberts, Jr.  
 Charles A. Robichaud 8 Butternut Circle Concord, MA 01742  
 Alfred C. Robinson 1019 N. Leminwah Street Appleton, WI 54911  
 William H. Robinson Dept. of Geology-IU Bloomington, IN 47405  
 Sue A. Rodenbeck 4867 Lahmeyer Rd. Fort Wayne, IN 46815  
 Daniel R. Rodriguez 5124 Lipsner Court Annandale, Virginia 22003  
 Joaquin Rodriguez 35 Robin Road Demarest, New Jersey 07627  
 Donald G. Roemer 10 Taft Road Cornwall on Hudson, New York 12520  
 Benjamin F. Rogers 601 N. McDonald No.505 Mt. Dora, Florida 32757  
 Henry G. Rogers 11416 Orchard Lane Reston, Virginia 22070  
 Ronald R. Rogers R. 2 Chickasha, Oklahoma 73018  
 Scott W. Rogers 6534 W. Euclid Road Littleton, Colorado 80123  
 Alan J. Rommel 95 Rodds Lane Princeton, New Jersey 08540  
 Everett J. Rommes 740 36th Avenue East Moline, Illinois 61244  
 Lawrence F. Rooney USGS c/o American Embassy APO New York, NY 09697  
 Rosalia K. Rooney USGS c/o American Embassy APO New York NY 09697  
 Forrest K. Root 2806 Marmon Drive Midland, Texas 79701  
 Ralph R. Root 12256 W. Texas Drive Lakewood, Colorado 80228  
 Stephen W. Rose 4350 San Gabriel Dr. Reno, NV 89502  
 Marion Zella Rosene P. O. Box 407 Minacqua, WI 54548  
 Theodore W. Ross R.1-Box 100 Lakeview Ct. Menasha, Wisconsin 54952  
 Humberto Rostworoski Caixa Postal No. 3698 Sao Paulo, Brazil  
 Sister Agnes C. Rotarius 1209 Park Avenue Racine, WI 53403  
 William R. Roy Illinois State Geological Survey 615 Peabody Drive Champaign, Illinois 61820  
 Albert J. Rudman 3801 Morningside Dr. Bloomington, IN 47401  
 Robert A. Rudman  
 Bruce Rueser 1532 S. Owens St. Apt. 244 Lakewood, CO 80226  
 Melinda A. Runkle R.8 Columbia City, IN 46725  
 Gerald B. Rupert R. R. 3, Box 269 Rolla, Missouri 65401  
 George H. Rupp 517 Park Road Greensburg, Indiana 47240  
 John Jay Rusch 3 Maple Ave. Superior, Wisconsin 54980  
 Mark E. Rusk 201 North Woodlawn Griffith, Indiana 46319  
 William A. Rutan 706 South Spencer A Indianapolis, Indiana 46219  
 Paul D. Ryder 7111 Shenandoah Court Tampa, Florida 33615  
 Robert C. Saender 8614 Prickett Houston, Texas 77035  
 Victor J. Salmi 211 Penn Street Valley Terrace Morrisville, PA 19067  
 Timothy L. Salter 90 S. Home Avenue Martinsville, Indiana 46151  
 Otto Sardi Doubleday Road Columbia, Connecticut 06237  
 Robert E. Sargent 8 Northport Drive Norwalk, CT 06855  
 Vijay Vishnu Satoskar 6380 Hazelwood Avenue Indianapolis, Indiana 46260  
 William Patrick Savase 415 South State Kendallville, Indiana 46755  
 Donald Bruce Saxman R.1 Box 235 Carmel, Indiana 46032  
 Abdullah S. Sayyab Geology Dept. University of Baghdad Baghdad, Iraq  
 Dwight D. Schaefer 130 Maple Court Trailer Court West Lafayette, IN 47906  
 John G. Schaefer 4805 Kentucky Ave.-Apt. 406 Denver, CO 80222  
 Maj. Marlin J. Schaefer 607 Briarwood Street Derby, Kansas 67037  
 Neil R. Schenck 1804 Franklin Valparaiso, Indiana 46386  
 Jay Val Schillings 1500 NE 13th Terrace Jensen Beach, FL 33457  
 Orville E. Schlatter 6114 L. Huntington Fort Wayne, IN 46809  
 Ferol G. Schlemmer Route One, Box 726 Minocqua, Wisconsin 54548  
 Christopher J. Schmidt Dept. of Geological Science Western Michigan University Kalamazoo, Michigan 49008  
 John P. Schnable 109 F. Texas Trail Richardson, Texas 75080  
 John Schofield 1 Saxon Road Worcester, MA 01602  
 Donna (Kempf) Scholz R.1-Box 97 Chancellor, South Dakota 57015  
 Garry Lee Scholz R.1-Box 97 Chancellor, South Dakota 57015  
 Layne A. Scholl Dept. of Geology-I.U. Bloomington, Indiana 47405  
 Kenneth J. Schorn 8010 Forest Avenue Munster, Indiana 46321

Christopher E. K. Schubert Dept. of Geology Indiana University Bloomington, Indiana 47405  
 Dale A. Schultz 124 Martin Drive Michisan City, IN 46360  
 Keith A. Schuler 400 Kimberly Elk City, Oklahoma 73644  
 Louis E. Schultz 3113 Burlew Blvd.-Apt. D Owensboro, KY 42301  
 Norma Jo Schulze 4062 Linmore Drive St. Louis, Missouri 63129  
 Thomas J. Schull 399 El Divisadero Ave. Walnut Creek, CA 94598  
 Richard L. Schuman R. 6 Columbia City, IN 46725  
 Steven D. Schunk 315 Walnut St. Mount Carmel, IL 62863  
 Susan Carole Schuppert 128 Wellington Drive New Albany, IN 47150  
 Peter G. Schwartz 7898 S. Poplar Way Englewood, Colorado 80112  
 Robert Karl Schwartz Dept. of Geology Alleghans Collesse Meadville, Pa. 16335  
 Samuel R. Schwartz 13827 Schwartz Road Grabill, IN 46741  
 Andrew R. Scott 7742 La Bolsa Dallas, TX 75248  
 Vernon P. Scott Dept. of Geology Oklahoma State University Stillwater, Ok 74078  
 Lilburn H. Seamon P.O. Box 8 W. Crain Blvd. Cobb Island, Maryland 20625  
 Mark A. Seelen 14 Maplewood Way Pleasantville, NY 10570  
 Robert E. Seidel  
 Edward M. Self Youghioshens and Ohio Coal P.O. Box 460 Martins Ferry, Ohio 43935  
 John L. Sexton Geosciences Purdue University West Lafayette, IN 47907  
 Grais D. Shaak Dept. Natural Sciences Florida State Museum Univ of Florida Gainesville, FL 32601  
 William D. Shalter 513 4th Street Ottawa, Illinois 61350  
 Michael Sharwood P.O. Box 245 Double Bay New South Wales Australia 2028  
 Gerald S. Shaw 3212 W. Wadley-Apt. 232 Midland, TX 79701  
 Marilyn J. Shaw  
 Karen E. Shepelak 659 Putman Street Fort Wayne, Indiana 46808  
 William R. Shirk Route 6-Box 286 Shippensburg, PA 17257  
 Galen N. Shirley 10312 Oaksate Bellflower, California 90706  
 Brenda (Romans) Sholes 827 W. Mercury Butte, Montana 59701  
 Wilson M. Shook 4016 Halsey Court Kensington, Maryland 20795  
 William M. Shorb 823 N. Buchanan Blvd. Durham, NC 27701  
 Robert R. Shrock 18 Lorins Road Lexington, MA 02173  
 Albert W. Shultz 1507 E. Hunter Bloomington, Indiana 47401  
 Jerome M. Siekierski 399 W. 12th Street Chicago Heights Illinois 60411  
 Charles T. Siemers  
 Jayne L. Sieverding 1105 S. Cherry St. #2-206 Denver, CO 80222  
 Miriam F. Sismond Box 366 Columbus, Indiana 47201  
 Hampton Simmons, Jr. 2936 Milton Road Montgomery, Alabama 36110  
 William Simonsen 2304 Barrington Woods Road Palatine, Illinois 60067  
 Kent Simpson 904 North Main Street Salem, Indiana 47167  
 Paul F. Simpson Melody Gardens 84 7803 46th Avenue North St. Petersburg, FL 33709  
 Robert Lee Sims  
 Ernesto Sirvas St. Joe American Corp 2002 North Forbes Tucson, Arizona 85705  
 Don E. Six 3661 Post Oak Avenue New Orleans, LA 70114  
 Lt. Col. L. H. Skelton 9117 W. 17th St. Wichita, KS 67212  
 Karen Jean Slaten 2203 Bonds Terrace Chattanooga, Tennessee 37421  
 Austin Cheney Smith 616 Ansell Street Providence, RI 02906  
 Aaron D. Smith 5855 Sheridan 17C Thorndale Beach South Chicago, Illinois 60660  
 Brice B. Smith R.R. 1 Ossian, Indiana 46777  
 Bruce C. Smith 551 Pearl St. No.608 Denver, Colorado 80203  
 Barry S. Smith 6779 Eastridge -Apt. 2073 Dallas, TX 75231  
 Carl J. Smith R.2 Box 470 Morgantown, WV 26505  
 David P. Smith 8323 Wilcrest Drive No.1500 Houston, Texas 77027  
 Howard Smith 278 W. Mechanic St. Bloomfield, IN 47424  
 James A. Smith 1641 Irvins Avenue Glendale, California 91201  
 Jeffrey B. Smith 14 Brighton Drive Gaithersburg, MD 20760  
 John L. Smith 16127 Castile Drive Whittier, California 90603  
 John M. Smith 5181 Zebulon Road Macon, Georgia 31210  
 Kenneth D. Smith 17830 Foreston Road Parkton, Maryland 21120  
 Louann Smith 8917 Old State Road Evansville, Indiana 47711  
 Synthia E. Smith 7350 Kirby #41 Houston, TX 77030  
 Susan G. Smith 14 Brighton Drive Gaithersburg, Maryland 20760  
 Willis L. Smith 1896 Dewayne Avenue Camarillo, California 93010  
 Arthur R. Snyder R. 2 Jasper, Indiana 47546  
 Charles V. Solbrig 16 Cenogarensen Trail Ellwood, Pennsylvania 16117  
 Mark S. Sonntag 3873 S. Hallmark Drive Grander, Utah 84119  
 Harold Sorsenfrei, Jr. 2448 Danbury Dr. New Orleans, LA 70114  
 Mark A. Souders 9550 Ella Lee Lane #3172 Houston, TX 77063  
 Robert B. South 559 Evanswood Place Cincinnati, Ohio 45220  
 Michael A. Spangler 10004 S. 69 E. Ave. Tulsa, Ok 74133  
 Walter B. Spangler 4813 Kirkcaldy Drive Tyler, TX 75703  
 Charles G. Spencer 1321 South High Street Bloomington, Indiana 47401  
 Robin Edw. Spicer 19623 Middlesex Southfield, Michigan 48076  
 Leslie E. Sponsel 177 N. Pleasant Street #10 Amherst Massachusetts 01003  
 Gerald R. Sprinkle R.3 Fox Road Charlestown, Indiana 47111  
 Rodney Stafford 3107 Southern Hills Missouri City, Texas 77459  
 Marion D. Stallard P.O. Box 1268 Henderson, Kentucky 42420  
 Iris Gilman Stander 6250 N. Maple Grove Rd. Bloomington, IN 47401  
 Lt. Cdr. W. Jack Stansle 8929 Idyllwild Lane San Diego, California 92119  
 James T. Stanley 520 Gerry Lane NE Atlanta, Georgia 30328  
 Charles L. Starr 2311 Oreechee Way Fort Wayne, Indiana 46807



Michael J. Stearnes 2718 E. Cresthill Ave. Littleton, CO 80121  
 Don C. Steinker Dept. of Geology Bowling Green State University Bowling Green, Ohio 43403  
 Joseph M. Stellavato 222 Willowbrook Road Grand Junction, CO 81501  
 James E. Sterling 13-11 Lake Road Reeds Spring Missouri 65737  
 Robert J. Sterrett 1220 Talbot Ave. Berkeley, California 94706  
 Ralph G. Stevenson 11919 Meadowdale Stafford, Texas 77477  
 Robert H. Stewart 1644 Castle Ct. Houston, TX 77006  
 William O. Stinson 1142 Rio St. Louis, Missouri 63138  
 Joseph St. Jean, Jr. Dept. of Geology-UNC Chapel Hill, NC 27514  
 Robert D. Stolzenbach 4681 Carter Trail Boulder, CO 80301  
 Ralph E. Stouder 251 Randy Lane Fort Myers Beach, Florida 33931  
 Lt. Col. Jack W. Stover 9210 W. 71st St. Shawnee Mission, KS 66204  
 James T. Strange R.R. No. 4, Box 243 Brownsburg, Indiana 46112  
 James F. Stratton R.R. 4 Charleston, Illinois 61920  
 William Thomas Straw 933 Westfall Ave. Kalamazoo, Michigan 49007  
 Arthur F. Striker 1415 North Edison Arlington, Virginia 22205  
 Larry W. Studebaker R. 8 Box 140 Greenfield, Indiana 46140  
 Gary A. Stumpf 6110 Remwick #167 A Houston, TX 77081  
 Peter K. Sturm 9767 Pasadena Park No. 705 Houston, Texas 77042  
 Robert B. Sublett U.C. Exploration Triple E. Oil Prod., Inc. Box 274 Hwy. 250 East Olney, Ill. 62450  
 Diane M. Suchomei 10624 W. Berry Place Littleton, Colorado 80123  
 James W. Sukup 1911 S. Poplar Casper, Wyoming 82601  
 Dan M. Sullivan 1610 Maplecrest Drive Bloomington, Indiana 47401  
 George R. Sullivan P.O. Box 177 302 W. North Street Grayville, Illinois 62814  
 Judith K. Sullivan 62 Walter Lane Hadden, Connecticut 06514  
 Robert M. Sullivan 8716 B Pemberton Circle Indianapolis, IN 46260  
 William K. Summers P.O. Box 684 Socorro, New Mexico 87801  
 Daniel A. Sundeen 2914 Jamestown Road Hattiesburg, Mississippi 39401  
 Jack A. Sunderman 5303 Meadowbrook Drive Fort Wayne, Indiana 46805  
 Richard A. Surface 5295 Cameron Drive 7305 Buena Park California 90621  
 John Sutton 4339 N. E. Flanders Portland, Oregon 97213  
 Albert P. Swanson 407 South Vail Avenue Arlington Hts, IL 60005  
 Diane Marie Synder  
 Ronald W. Tank 214 North Union Street Appleton, Wisconsin 54911  
 Edward J. Tarbuck Earth Science Dept. Illinois Central College East Peoria, Illinois 61611  
 Ira Dan Taylor Dobervick and Taylor 2801 Westhaven Circle Amarillo, Texas 79106  
 John Rex Taylor, Jr. 8085 Kusler Mill Road Cincinnati, Ohio 45243  
 Lawrence A. Taylor Dept. of Geology Univ. Tennessee-Knoxville Knoxville, TN 37916  
 Stuart Ross Taylor 18 Sheehan Street Pearce, Canberra, A.C.T., Australia 2607  
 Waller Eugene Taylor Box 1177 Jackson, MS 39205  
 Bruce A. Tendall 23522 Wintersgate Drive Spring, TX 77373  
 James R. Ten Eyck Frenchmans Wharf 6820 Seagull Lane -Apt. J New Orleans, LA 70126  
 Wayne D. Terry 5330 D Stone Ave. Portage, IN 46368  
 Steven D. Theodosis 185 Beryl Way Denver, Colorado 80020  
 John H. Thiele 800 N. Smith Road No. 142 Bloomington, Indiana 47401  
 Andrew R. Thomas 1637 Second St. New Orleans, LA 70130  
 Henry D. Thomas 47 Johnson's Lane New City, New York 10956  
 James H. Thomas 6 Farady Circle Carson City, Nevada 89701  
 Kimberly Kodidek Thomas 15935 Bent Tree Forest Circle #2034 Dallas, TX 75248  
 Harriet Maitlen Thomas 501 North VAMC Ft. Lyon, CO 81038  
 Michael Ray Thomas 5733 S.E. 19th Portland, Oregon 97202  
 Sarah Corle Thomas 1637 Second St. New Orleans, LA 70112  
 William A. Thomas 3607 Greystone Drive Apt. 0312 Austin, Texas 78731  
 David E. Thompson 5902 Dovetail Rd. Asoura, California 91301  
 Donald F. Thompson 135 Claywell Avenue San Antonio, Texas 78209  
 Donald J. Thompson, 246 Sixth Street California, PA 15419  
 Glenn M. Thompson 3426 N. Jackson Ave. Tucson, Arizona 85719  
 James Sanford Thompson R. 2 Princeton, Indiana 47570  
 Jerome Thornburs 4523 Grove Denver, Colorado 80211  
 Randall L. Thorne 6168 SR 205 Garrett, IN 46738  
 William D. Thornbury 2608A E. Second Street Bloomington, Indiana 47401  
 Nathaniel G. Tilander Chevron U.S.A., Inc. 700 S. Colorado Blvd. Denver, Colorado 80222  
 Maxwell J. Tilford 2812 N. Donald Oklahoma City, OK 73127  
 Gregory Tipple 1907 W. 34th Street Austin, TX 78703  
 John M. Tipple R. 4 Winchester, IN 47394  
 Robert D. Tipple  
 Howard L. Tiptword 708 Park Hill Nevada, Missouri 64772  
 Tom M. Todd Box 31 Smithville, Indiana 47458  
 James F. Tolen 204 S. Sycamore Odon, Indiana 47562  
 Melonie F. Tonkin-Fuller 705 Godfrey Midland, Texas 79703  
 Mark C. Torrens 49 Woodcrest Drive Rochester, NY 14625  
 Keith R. Treadway 208 E. Ranchwood Ct. Moore, Oklahoma 73160  
 David E. Von Tress Jackson Exploration, Inc. 1435 Commerce Bldg. 914 Main St. Houston, TX 77002  
 Don M. Triplehorn Dept. of Geology University of Alaska Fairbanks, AK 99701  
 Gail A. Truhlo 7422 N. Parliament Peoria, Illinois 61614  
 Daniel S. Tudor 3034 Golden Hills Lane Missouri City, TX 77459  
 Laura L. Turner 4419 4th Road North No. 6 Arlington, Virginia 22203  
 Mary Ann Turner 599C Prospect Street New Haven, Connecticut 06511  
 Sheldon K. Turner 4044 Kerry Ct. Minnetonka, Minnesota 55343  
 Donald R. Tuttle R.R. 1 Westport, Indiana 47283

David C. Tye 1828 S. Duere New Orleans, Louisiana 70125  
 John E. Uhl 8803 Madison Ave, Indianapolis, IN 46227  
 William L. Ullow 6 Harold's Circle Richardson, Texas 75081  
 Bruce A. Underwood R.R. 1 Versailles, IN 47042  
 William D. Urdike 824 Edgewood Place Ann Arbor, Michigan 48103  
 Kenneth M. Uslabar 8351 Angell Road Oshkosh, Wisconsin 54901  
 John E. Utgaard 912 Glennview Carbondale, Illinois 62901  
 Russell O. Utgard 3487 Colchester Road Columbus, Ohio 43221  
 J. Scott Uttley 6600 South Yarrow Street Littleton, Colorado 80123  
 Diane Gail Utz 5915 South Mayfield Chicaso, Illinois 60638  
 Kurt W. Valko 111 Campbell Street Mishawaka, Indiana 46544  
 Kenneth R. Vance 3418 Creekbriar Houston, Texas 77068  
 Lewis A. Van Coutren 15003 Benfer Road Houston, TX 77069  
 James A. Vandemark 545 Dixie Highway Beecher, Illinois 60401  
 Peter E. Vandewater 4417 Sunset Drive RD 3 Syracuse, NY 13215  
 Jacqueline Chapla VanDyke 544 Lower Lake Road Kalispell Montana 59901  
 Gress Allen Vane Department of Geology UCLA Los Angeles, CA 90024  
 Madan M. Varma Dept. of Physical Science Kutztown State College Kutztown Pennsylvania 19530  
 Dorothy M. Viola 574 Fairway View Drive Wheeling, IL 60090  
 Pessy M. Visher 1433 Williams Apt. 704 Denver, CO 80218  
 Steven A. Volz 239 S. German Church Road Indianapolis, Indiana 46229  
 Robert C. Voss 10820 Mississippi Blvd. Coon Rapids, MN 55433  
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 Georse R. Wasner 5115 DeSoto Rd. Sarasota, Florida 33580  
 Paul G. Wasner 3000 Delburn Bakersfield, CA 93304  
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 James F. Wakeman 6227 Lybarr Houston, Texas 77035  
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 Jerome P. Walker 1395 South Josephine Street Denver, Colorado 80236  
 Steven W. Walker 535 Liberty Avenue El Cerrito California 94530  
 Heidi Ann Wallace 302 Beachview Lane Indianapolis, IN 46217  
 Brian P. Wallick 2505 Sunrise Ave. Lafayette, IN 47904  
 Ronald J. Walton 24767 Giant Gulch Road Eversgreen, Colorado 80439  
 Fred R. Wampler 4780 E. State Road 45 Bloomington, Indiana 47401  
 Garnet H. Ward 5875 Hobe Lane White Bear Lake, Minnesota 55110  
 Robert L. Ward 1403 3rd Street LaGrande, Oregon 97850  
 Stephen C. Warner  
 Elbert Clay Warren Standard Oil Co. of Texas Box 1660 Midland, Texas 79701  
 Jack R. Warren 5414 Crown Colony Houston, Texas 77069  
 Arthur S. Waterman 76 Drea Court Metairie, Louisiana 70001  
 Johnny A. Waters 2324 Laurel Lane Augusta, Georgia 30904  
 Kenneth M. Waters Jr. 3901 Snag Lane Spring, Texas 77373  
 William J. Wayne 1980 C Street Lincoln, Nebraska 68502  
 Myron Webb 3376 Grove Parkway Columbus, Indiana 47201  
 Ralph H. Wedow 510 J Street Laporte, Indiana 46350  
 Elmer L. Wesner 1949 Linneman Glenview, Illinois 60025  
 Robert M. Weidman 409 Kings Missoula, Montana 59801  
 Glenda Kay (Arvin) Weimer 5170 E. State Rd. 45 Bloomington, IN 47401  
 Becky S. Weimer-McMillion 11273 Rocky Mtn. Reno, Nevada 89506  
 David M. Weinbers 2127 Garden Street Ponca City, Oklahoma 74601  
 Elliot S. Weinstein  
 Robert H. Weir R1-Box 30 Nashville, IN 47448  
 Paula A. Weiss 37 Concord St. Cranford, NJ 07016  
 Theodore Weitzel 193 W. Northwest Hills Dr. Valparaiso, IN 46383  
 James R. Welch Montana Power Co. Geological Office 215 Electric Bldg. Billings, MT 59101  
 Joanne K. Welch  
 James H. Wells, Jr. 802 Shannon Chesterton, Indiana 46304  
 Jack W. Wells 4101 Holly Drive San Jose, CA 95127  
 Steven G. Wells R.5 - Box 52 - A Albuquerque, NM 87123  
 Donald G. Wertz R. R. 3, Box 151 F Franklin, IN 46131  
 Dorene M. West 51 Terraza Del Sur Harvey, LA 70059  
 Jon R. Weterick 7328 Mill Run Drive Apt. A Fort Wayne, Indiana 46819  
 Joseph F. Whaley 717 East University Bloomington, Indiana 47401  
 Barbara D. Wharton 12228 C. Tuft - The Arbors Oklahoma City Oklahoma 73132  
 Donald J. White 4701 E. Kessler View Indianapolis, IN 46220  
 Richard L. White 6201 SE Howard Bartlesville, OK 74003  
 E. Lawrence Whitmer Box 595 Lawrenceville, Illinois 62439  
 Everest E. Wible 6408 Brentford Pl. Oklahoma City, OK 73132  
 Steven L. Widdicombe 405 Manson Avenue Metairie, Louisiana 70001  
 Mark Wiechman Exxon - Geophysics Wilson Tower Corpus Christi, TX 78476  
 Charles E. Wier 8023 S. Zikes Road Bloomington, Indiana 47401  
 Richard E. Wiley 841 Bishop Street B-2 Honolulu, Hawaii 95051  
 Douglas R. Wilke U.S.G.S.-W.R.D. Federal Building Drawer 10076 Helena, Montana 59601

Kathleen R. Wilke U.S. Geological Survey Water Resources Div. Helena Montana 59601  
 D. T. Williams P.O. Box 123 Loogootee, Indiana 47557  
 Frank H. Williams 12201 Orange Drive Whittier, California 90601  
 Roy E. Williams Dept. of Geology Univ. of Idaho Moscow, Idaho 83843  
 Wesley E. Williams 25 Fourth Avenue South Naples, Florida 33940  
 Joe I. Willman, M.D. R. R. 1 Gaston, Indiana 47342  
 Daniel A. Wilson 11006 Renwick Houston, Texas 77035  
 Gregory A. Wilson 2455 River Road Marion, Indiana 46952  
 James C. Wilson, Jr. 11500 Braesview-Apt. 2104 San Antonio, TX 78216  
 James D. Wilson 909 Ranch Road Connersville, IN 47331  
 Michael E. Wilson 121 Grandison Greenfield, Indiana 46140  
 Robert W. Wilson 626 Alice Avenue Silver Hills New Albany, Indiana 47150  
 William L. Wilson 3760 S. Norfolk W. y Aurora, Colorado 80013  
 Milton A. Wiltse, Jr. 1391 Depauy Drive College, Alaska 99701  
 William B. Winters Exxon USA P. O. Box 496 Harvey, LA 70059  
 Michelle L. Winkler R4-Box 266 Reaver Dam, WI 53916  
 George O. Winston 1511 Mataro Avenue Coral Gables, Florida 33146  
 Steven L. Winters 12010 S. Anthony Fort Wayne, IN 46819  
 Wilbur B. Winter P. O. Box 252 Salt Lake City, Utah 84110  
 V. Patrick Wiram R. 14 - Box 458 Brazil, Indiana 47834  
 Gary Lee Wirey 8102 Wycomb Drive Houston, Texas 77070  
 Donald E. Wirth 945 Poly Drive Billings, MT 59102  
 Michael A. Wischmeier Chevron Geophysical Div. Box 36487 Houston, TX 77036  
 Emma Cook Witherspoon 296 Esther Circle Kannapolis, NC 28081  
 Anthony J. Withnell 1330 Browning Ct. Bloomington, IN 47401  
 Robert D. Woodock 702 Greenridge Lane Louisville, KY 40207  
 James O. Wood R. 1 - Box 219 Wolcott, IN 47995  
 Larry D. Woodfork 652 Villa Place Morgantown, WV 26505  
 Myra Woodfork 652 Villa Place Morgantown, WV 26505  
 Bruce A. Wright 7123 Navidad Houston, Texas 77083  
 Daniel O. Wright R.1 Box 532-C Bartlesville, Oklahoma 74003  
 Richard D. Wright 13844 Avenida de la Luna Jamul, CA 92035  
 William H. Wright III 1801 East Cotati Avenue Rohnert Park, CA 94928  
 Wallace W. Wrigley 674 Candleberry Rd. Walnut Creek, CA 94598  
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 Steven W. Young Exxon Minerals Casper, Wyoming 82601  
 Paul David Yundt R. R. 2 Greenville, Kentucky 42345  
 George J. Yurkas 2808 Baylor Bakersfield, CA 93305  
 Stephanie Lynn Zachary 1360 Carol Place Montgomery, IL 60538  
 Cynthia L. Zack P.O. Box 597 Norton, Massachusetts 02766  
 Thomas Zeller 212 S. Grant Bloomington, Indiana 47401  
 Brad E. Zimpelman 1161 E. LaSalle South Bend, IN 46617  
 R. Frank Zindler R.D.1 Landley Road Amsterdam, New York 12010  
 Phillip L. Zink 7590 East 52nd Street Indianapolis, Indiana 46226  
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