

Charles E. Wier

INDIANA UNIVERSITY
DEPARTMENT OF GEOLOGY



NEWS LETTER No. 5

1956



Graduate and research assistants and fellows for 1955-1956
 Left to right, (top row) Wagner, White, Noel, Brunton; (second row) Harrison, Crane, Elberty, Sirvas,
 (third row) Prinz, Mrs. Rooney, Rooney, Fish; (bottom row) Moore, Renzetti, Horowitz, Schemehorn.



Group at I. U. luncheon at G. S. A. meeting in New Orleans, 1955
 Standing, (left to right) Lane, Flandt, Mahorney, Bundy, Sayyab, Davis, Hyer, St. Jean, Rainwater,
 Warren, Waters, Cameron, Horowitz, Bradfield, Mrs. Bradfield, Lucas, Hendrickson.
 Seated, (left to right) Pangborn, Mrs. Pangborn, Proctor, Kottowski, Wier, Wayne, Deiss,
 Galloway, Mrs. Lucas, Lucas, Thornbury, Mrs. Kierstead, Perry, Devening.

INDIANA UNIVERSITY
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William D. Thornbury, Editor

Contributors

C. W. Beck

C. F. Deiss

R. E. Esarey

W. R. Lowell

Judson Mead

H. H. Murray

J. B. Patton

T. G. Perry

Larry Rooney

C. J. Vitaliano

Bloomington, Indiana

May, 1956

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GREETINGS TO ALUMNI

Charles F. Deiss

In this fifth annual Geologic NEWS LETTER, I am privileged again to send greetings to all of the graduates of the Geology Department. The academic year has been filled with many events, some of which are important and may be interesting to you.

After one year on the campus, Professor Donald E. Hattin was called for two years of military service. This semester Drs. Henry H. Gray and Allan M. Gutstadt, of the Indiana Geological Survey, are teaching Dr. Hattin's courses in Historical Geology and Principles of Stratigraphy. For the next academic year (1956-57), Professor Harry E. Wheeler, of the University of Washington, Seattle, will teach Dr. Hattin's courses. Dr. Wheeler comes to us as a Distinguished Visiting Professor of Stratigraphy, and we are delighted to announce his appointment.

As I implied in this part of the NEWS LETTER last year, the overall quality of our geology majors and graduate students is improving steadily. Also, the number of applications for admission to Graduate School and for fellowships and graduate assistantships in the Department is increasing. Up to date this year, we have had 43 applications for such awards and, although we expect to get the best of the group, we shall not be able to award more than seven or eight of the 43 because of inadequate funds. Three of our own students have applied for National Science Foundation Fellowships, and one outside student has been awarded the California Company Fellowship for the year 1956-57. If the National Science Foundation applicants receive awards, our funds will be increased sufficiently to add three more graduate students. Nevertheless, competition becomes more severe each year between universities for the top-quality graduate students. Every effort is being made to increase the amount of money available for fellowships and assistants. Your help is seriously needed. Some of the older of you are in positions to influence your companies to place industrial fellowships in geology at Indiana. We hope that you will do everything within your power to influence your company to place a fellowship here. Such action on your part is not purely altruistic. You personally may benefit from the resultant growth and prestige of your Geology Department throughout the profession.

This year the geology faculty has continued to work steadily to improve their quality of teaching and all other academic procedures. Perhaps the most

significant advance this year has been the revision of the Master's examination. The new system, briefly, consists of a three-man examining committee plus one or more other faculty members whom the committee may invite to question the candidate. Procedures for giving the exam have been formalized and the subject matter divided into four groups of questions:

1. Reasoning and application of geologic information
2. General fields of geology and related subjects
3. Field of major interest
4. History of geology and geologic literature

A printed outline of the procedure is given to each A. M. candidate, and should materially assist him in preparing for the examination and in his performance in it.

I hope that you will enjoy this NEWS LETTER as you have those in the past, and that you will send your reactions concerning it to any of the faculty members or to me. With it, you receive not only the factual information concerning the Department but the personal greetings and best wishes of each of us.

SENIOR TEACHING STAFF

Carl Wellington Beck, Professor of Mineralogy
Charles Frederick Deiss, Chairman and Professor of Geology
Ralph Emerson Esarey, Associate Professor of Geology
Henry Hamilton Gray, Assistant Professor of Geology (second semester)
Allan Morton Gutstadt, Assistant Professor of Geology (second semester)
Wayne Russell Lowell, Associate Professor of Geology
Judson Mead, Associate Professor of Geophysics
Haydn Herbert Murray, Associate Professor of Geology
John Barratt Patton, Professor of Geology
Thomas Gregory Perry, Assistant Professor of Geology
William David Thornbury, Professor of Geology
Charles Joseph Vitaliano, Associate Professor of Geology

GRADUATE ASSISTANTS

Malcolm Boyce, of Cherry Valley, New York, B. S., Colgate University, June, 1954, expects to obtain his A. M. degree at Indiana University this June. Malcolm is writing his A. M. thesis on the

"Micropaleontology of the Osgood Formation in Ripley County, Indiana" under the direction of Professor Perry.

William T. Elberty, West Orange, New Jersey, B. S., St. Lawrence University, 1953; M. A. degree, Dartmouth College, 1955. Bill is teaching assistant in the Department and concurrently is working toward his Ph. D. degree in petrology. This summer Bill will do field work on his thesis in the Ungava district of northern Quebec, Canada.

Martin Prinz, New York City, B. S., City College of New York, 1953. After a short stay at Indiana University in the Fall of 1953, Martin had to curtail his studies in order to settle his obligations with the U. S. Army. In the Fall of 1955, Martin returned to Indiana to take up once again his graduate assistantship and to continue with his work toward the A. M. degree. His thesis "Genesis of the Mica in Some Pennsylvanian Sandstones" should be completed in January, 1957.

Bert Renzetti, New York City, A. B., Columbia, 1949; A. M., Indiana University, 1952, has returned to I. U. to complete his studies and obtain a Ph. D. degree. Bert spent most of the interval between his studies at Indiana University working for the Anaconda Mining Company in Chile where he obtained considerable experience and an excellent problem for his Ph. D. dissertation. He will receive his degree in June, 1957. Bert is majoring in petrology and will write his thesis on "The Age Relations and Petrography of the Granites in the Chuquicamata, Chile Area".

Mrs. Rosalia Ray Rooney, A. B., Indiana University, 1955, is now completing work on her A. M. thesis under the direction of Professor Patton. She expects to receive her degree in June, 1956.

Neil Schemehorn, Bloomington, Indiana, B. S., Indiana University, 1955. Expects to complete his work for the A. M. degree in September, 1956. Neil is doing his thesis, "Environmental Study of the Borden Group", under Professor Murray's direction.

Dan Tudor, Hammond, Indiana, B. S., Indiana University, 1955. Having returned from a 34-month sojourn in the Air Force, Dan is continuing his work toward the A. M. degree under the direction of Professor Mead. He will spend the coming summer working on his thesis, "Bedrock Topography and Geophysical Problems of Johnson County, Indiana", and expects to receive his degree in September, 1956.

George R. Wagner, Garden City, New York,

B. S., Hofstra College, 1955. He is presently assisting Professor Perry. He expects to receive his A. M. degree in February, 1957. His thesis is entitled, "The Bryozoan Fauna of the Waldron Shale (Niagaran) of Indiana", and is being done under the direction of Professor Perry.

RESEARCH ASSISTANTS

Ferol F. Fish, B. S., Indiana University, 1955, of East Chicago, Indiana, is now working toward his A. M. degree under the direction of Professor Mead. The title of his thesis is "A Study of the Influence of Water Content on the Seismic Characteristics of Certain Indiana Sediments". Ferol expects to receive his degree in September, 1956.

George T. Moore, B. S., Notre Dame, 1952, is working on the final stages of his Ph. D. thesis which is a study of the geology of the Mount Fleecer area, Montana. This work, which is being done under Professor Lowell's guidance, should be finished in time to permit George to receive his Ph. D. degree in September, 1956.

Ernesto Sirvas, Geological Engineering degree, University of San Marcos, Lima, Peru, 1951. He is now assisting in petrology. Ernesto hopes to obtain his A. M. degree in February, 1957. He will spend the coming summer somewhere in the southwestern part of the United States where he will complete the field work for his thesis.

Richard L. White, Centerville, Indiana, A. B., Earlham College, 1953, is currently working toward his A. M. degree which he expects to receive in June, 1957. His A. M. thesis, which will be done under the direction of Professor Mead, is entitled "A Study of Three-Dimensional Resistivity Problems Using Two-Dimensional Models".

FELLOWS

George D. Brunton, McGill, Nevada, B. S., Geological Engineering, University of Nevada, 1950; M. S., University of New Mexico, 1952. After receiving his M. S., George spent some time working for the Shell Oil Company. In 1955, he came to Indiana University to do work with Professor Carl W. Beck toward his Ph. D. degree. The title of his thesis will be "The Crystal Structure of Callaghanite" and George expects to receive the degree in October, 1956.

Alan Horowitz, Ashland, Kentucky, A. B.,

Washington and Lee, 1952; M. S., Ohio State, 1954, is still busy tangling with the Echinodermata, Brachiopoda, and Bryozoa from the Glen Dean (Middle Chester) limestone in Indiana. Alan will be finishing up his thesis this summer and hopes to receive his degree in August, 1956.

Ronald C. Crane, Webster, New York, B. S., Colgate University, 1955. Ron is the present holder of the California Company Research Fellowship. He came to Indiana University to work with Professor Murray toward his A. M. degree. His thesis on the sedimentology of the laminated zone of the Jeffersonville limestone is expected to be completed in time for him to receive his degree in September, 1956.

James Noel, A. B., Lehigh University, A. M.; Dartmouth College, 1951, is completing the work on his thesis which is being done under the direction of Professor Lowell. He is working on the geology of the northeastern end of the Anaconda Range and expects to receive his Ph. D. degree in June, 1956.

Jack L. Harrison, B. S., Indiana University, 1954, A. M., Indiana University, 1955. He is presently the holder of a National Science Foundation Fellowship. His Ph. D. thesis will be done under the direction of Professor Murray. Jack will be spending this summer working on his thesis and hopes to have it completed in order to receive his degree in June, 1957.

Lawrence F. Rooney, Whitefish, Montana, B. A., Montana University, 1948, M. A., Montana University, 1950, is presently a National Science Foundation Fellow. He is hard at work completing his thesis, "The Physical Stratigraphy and Sedimentation of the Permian Formations of Southwestern Montana". This work is being done under the direction of Professor Lowell and Larry expects to receive his degree in June, 1956.

NON-ACADEMIC STAFF

Department of Geology

Bernice M. Banfill, Administrative Assistant
Theodore H. Appleton, Accountant
Maynard E. Coller, Analytical Chemist
Virginia L. Crider, Secretary
Herbert P. Dutton, Caretaker, Geologic Field Station
Ross Hickam, Preparator
Charles S. Miller, Instrument Maker
William H. Moran, Chief Draftsman
Richard D. Walker, Librarian

FACULTY ACTIVITIES DURING PAST SUMMER

Carl Beck worked for the Indiana Geological Survey collecting samples in northern Indiana for a study of the detailed mineralogy of Silurian reefs.

Dr. Deiss visited the field camp in Montana in June and then returned to Bloomington to direct the activities of the Indiana Geological Survey.

Ralph Esarey spent another summer as a member of the teaching staff at the Geologic Field Station in Montana.

J. J. Galloway, Professor Emeritus, spent the summer directing Joe St. Jean's work on stromatoporoidea.

Don Hattin was called into the Air Force and spent the summer at Wright Patterson field near Dayton, Ohio.

Wayne Lowell spent the summer in Montana directing the geologic field station and investigating the phosphate deposits in the Phosphoria formation for Victor Chemical Company.

Judson Mead was in and out of Bloomington doing some geophysical investigations. He found time to visit the geologic field station on his vacation.

Haydn Murray worked on Mississippian shales in Indiana completing the field sampling necessary for laboratory investigations for the Indiana Geological Survey. In addition, he got everything in readiness for the Devonian field conference sponsored by the Department and the Geological Survey.

John Patton spent the summer administering the geological affairs of the Survey in his role as principal geologist. In addition, he and Tom Dawson worked on Devonian stratigraphy for the field conference.

Tom Perry spent most of the summer as a member of the instructional staff at the geologic field station in Montana. After returning, he went to U. S. National Museum for three weeks to examine type specimens of Paleozoic bryozoa.

Bill Thornbury spent the summer in Bloomington writing up the results of previous summers' field work for the Indiana Geological Survey.

Charles Vitaliano spent the summer completing his world tour. He and his family toured Australia,

Egypt, Italy, and England on the return trip. He arrived in Bloomington on September 9.

STUDENT ACTIVITIES DURING PAST SUMMER

Jack Harrison spent the summer working for the Indiana Geological Survey in the Clay Mineralogy laboratory.

Neil Schemehorn and Maurice McClain worked for the Indiana Geological Survey in the Geophysics Section.

Grady Loftin and Marion Stallard worked for the Indiana Geological Survey in the Industrials Section.

James Noel, George Moore, and James Mahoney worked on thesis problems in Montana sponsored by the Victor Chemical Company. Michael Cowen assisted George Moore.

Bert Renzetti spent the summer in Chile completing his work for the Anaconda Mining Company at Chuquicamata. Bert returned to I. U. in September to complete his studies for the Ph. D.

Alan Horowitz spent the summer in Bloomington working on the fauna of the Glen Dean limestone for a Ph. D. thesis.

Vic Koskinen took a summer job with the California Oil Company and the job was so good that he did not return to Indiana but stayed permanently with the company in Casper, Wyoming. We hope he will return in the future for his last year's work on the Ph. D.

Larry Rooney worked during the summer for Shell Oil Company in Utah.

Bill Elberty worked for Hollanah Exploration Company in Canada looking for copper and also spent time in the Ungava lake district in northern Quebec.

George Nevers spent the summer in Vermont doing field mapping for the Vermont Copper Company.

Mrs. Larry Rooney (Rosalia Rey) spent the summer in Mexico with her parents. Rosalia's father teaches Spanish at I. U.

Allen Perry, Bob Jenkins, and Dick Powell worked for the Indiana Geological Survey in the Coal Section.

Bob Foster and Howard Smith worked for the Indiana Geological Survey in the Petroleum Section.

Bennie Edwards III returned from the Army in August and started collecting data for his A. M. thesis on the sedimentation conditions of the Middle Chester in Indiana.

George Brunton spent the summer in the Shell Development Company laboratories in Houston. George expects to return to these laboratories when he finishes his Ph. D.

Pei Yuan Chen worked for the Taiwan Geological Survey before coming to I. U. for advanced study.

Don Buchholz is in the Army at Ft. Belvoir but will be discharged in July. He is going to the Colorado School of Mines for a Master's degree in September. He worked from August to December, 1955, for a copper-asbestos company in the northern part of Quebec.

CURRICULAR CHANGES

Undergraduate Program

Beginning with 1955-56, the amount of credit was changed for most of the undergraduate courses. The following courses were reduced from four to three credits: mineralogy, petrology, structural geology, optical mineralogy, petrography, principles of invertebrate paleontology, principles of stratigraphy, principles of geomorphology, and economic geology. Elementary field geology was reduced from three to two credits.

This reduction in credit was feasible because the department has introduced, during the past several years, advanced courses in most of the special branches of geology. In addition, the Geology faculty wishes the undergraduate student to be able to cover more areas of geology and related sciences as part of his fundamental training.

With these changes in credit, the minimum requirements for the B. S. degree in geology, in addition to one year of physics, one year of chemistry, and mathematics through analytical geometry, are now 40 credits in geology, distributed as follows:

- a) Twenty-eight credits of required courses.

G-101 Physical geology	5 credits
G-102 Historical geology	5 credits
G-203 Geologic illustration	1 credit
G-301 Mineralogy	3 credits
G-302 Petrology	3 credits
G-319 Elementary field geology	2 credits

G-323 Structural geology	3 credits
G-429 Field geology in the Rocky Mountains	6 credits

(As many as 6 credits in advanced courses in related sciences may be substituted in this group.)

b) Twelve credits from the following geology courses.	
G-401 Optical mineralogy	3 credits
G-402 Petrography	3 credits
G-411 Principles of invertebrate paleontology	3 credits
G-412 Principles of stratigraphy	3 credits
G-413 Introduction to earth physics	3 credits
G-415 Principles of geomorphology	3 credits
G-416 Economic geology	3 credits
G-423 Principles of geophysics	3 or 5 credits
G-424 Problems in applied geophysics	3 credits

The objectives of changing the geology requirement from 44 to 40 credits were to allow more electives and to permit broader training in allied sciences. Advanced work in geology has become increasingly dependent upon related sciences. The optional substitution of six credits in applied sciences within the 40 credit requirement is a further step toward such broader training of geology students.

Under the former rules, it was possible for students to apply graduate courses in geology toward the B. S. degree without taking adequate training in fundamental courses. The new rules make this impossible, although the student is able and encouraged to take such graduate courses in addition to the fundamental courses.

Graduate Program

Because many liberal arts colleges offer only 25 to 30 credits in geology, many of the graduate school applicants in geology during recent years have been deficient part of the 35 credits formerly required. At the request of the Graduate School, the Geology faculty reviewed this requirement and concluded that it was not in line with those of most large geology departments. The Geology faculty further considered the needs of the many good students who have majored in some other science during their undergraduate training, and then wish to go into geology. These students may be particularly well fitted for advanced work in such fields as geophysics, geochemistry, or paleontology, even though they have inadequate

undergraduate geologic training.

These diverse needs were recognized by a change in the admission requirement, which now reads "Acceptance to full graduate status in geology presupposes, in addition to a Bachelor's degree from an accredited college, the completion of one year of chemistry, one year of physics, mathematics through analytical geometry, and courses in geology equivalent to 30 semester hours of geology at Indiana University. Advanced courses in related sciences may be substituted, at the discretion of the departmental admissions committee, for part of this 30-credit requirement. The undergraduate grades in geology must average "B" or higher as determined by standards comparable to those at Indiana University. Grades less than "C" are not accepted."

The Geology faculty has voted to change the requirements for the A. M. degree by adopting a Graduate School option which states "Either a thesis or a reading knowledge of German or French is required". A minimum of 30 hours of graduate credit is still necessary. The student who elects the language option must complete at least 27 hours in formal course work in the sciences.

Effective for 1955-56, a new course, G-610 A. M. thesis (credit arranged - maximum 6 credits), was introduced to eliminate confusion between thesis credit and credit for other geologic problems. At the same time course G-690 Advanced Geology Seminar (credit arranged) was introduced to cover special courses offered by visiting faculty members, or by permanent faculty members who wish to offer special courses on an irregular schedule. The prerequisites are graduate standing and permission of instructor. Accompanying these changes, the number of the course Geologic Problems was changed to G-700, and the name of course G-810 was changed to Research for Ph. D. Thesis.

The Graduate School has approved a new 4-credit course (G-508) entitled Advanced Mineralogy, to be taught by Professor Beck. The name of course G-623 was changed from X-ray Investigation of Minerals to X-ray Crystallography, and the name of course G-601 was changed from Petrology of Argillaceous Sediments to Clay Mineralogy.

GEOLOGY LIBRARY

For the past ten years, the Geology faculty and assisting librarians have concentrated their efforts in attempting to acquire back numbers of periodicals and

other publications needed to fill in voids in the library collection. In addition, new material is being added as fast as it is published. As a result, the Geology Library now vies with the Chemistry Department library as the leading branch library on the campus.

Our library is housed in the entire north wing of the top floor in Owen Hall. The present holdings number 20,000 volumes, with approximately 400 volumes added since July, and a map collection of approximately 16,000 items; 12,000 topographic maps, and about 4,000 geologic maps covering parts of the world. The Geology Library is a depository for all U. S. G. S. map series.

The library has expanded at such a rate that we now have about 2,000 volumes housed in the corridor on the top floor in Owen Hall outside the library. Plans are afoot, however, to remedy this situation. When the Drafting Section moves into new quarters in the near future, the Geology Library will expand into the vacated space. This move will double our present floor space.

Our major task still is to fill voids in the important periodicals. Nevertheless, we shall, in the future, increase our efforts to build up our geologic map collection so that items of interest from all over the world will be acquired.

JOURNAL CLUB PROGRAMS

Journal Club programs were arranged by a committee composed of three students and two faculty members. Student members of this committee were Ken Riggs, James Dodd, and Bill Elberty; faculty members were H. H. Murray and T. G. Perry, Chairman. Journal Club met at the traditional hour of 4:00 P. M. on Mondays, and graduate students, faculty members, and personnel of the Indiana Geological Survey formed the larger part of the audience. Our programs have also attracted geologists from Purdue University and members of the Botany, Zoology, Geography, and Chemistry Departments of Indiana University; a few hardy undergraduate students have patronized our meetings regularly.

September 19, 1955 - Dr. J. J. Galloway, Indiana University, "The Presentation of Scientific Papers". (Program arranged and conducted by Sigma Gamma Epsilon.)

September 26, 1955 - Dr. Charles E. Wier, Indiana Geological Survey, "New Correlations of Upper Pennsylvanian Rocks in Indiana".

October 3, 1955 - Dr. Charles J. Vitaliano, Indiana University, "Impressions of a Globe-Trotting Geologist, Part 2, New Zealand to America".

October 10, 1955 - Mr. Maurice E. Biggs, Indiana Geological Survey, "Some Aspects of Radio-activity Measurements in Indiana".

October 14, 1955 - Mr. Otis J. Lilly, Distinguished Lecturer, American Association of Petroleum Geologists, "Drilling With Gas".

October 17, 1955 - Dr. Raymond Siever, Illinois Geological Survey, "Interrelationships of Sedimentary Petrology and Stratigraphy in the Pennsylvanian System".

October 24, 1955 - Dr. William D. Thornbury, Indiana University, "Geomorphic History of the Upper Wabash Valley".

October 31, 1955 - Mr. Wayne Bundy, Indiana Geological Survey, "Petrology of the Gypsum-Anhydrite Deposits in Southwestern Indiana".

November 7, 1955 - Journal Club cancelled because of Geological Society of America meeting in New Orleans.

November 14, 1955 - Drs. Charles J. Vitaliano, William D. Thornbury, W. R. Lowell, and T. G. Perry, Indiana University, "Recent Advances in Geologic Research".

November 21, 1955 - Dr. G. P. Wollard, University of Wisconsin, "The Relation of Geophysical Data to Geologic Structure in the Appalachian Mountains and Contiguous Areas".

November 28, 1955 - Dr. William J. Wayne, Indiana Geological Survey "The Pleistocene Periglacial Environment in Indiana".

December 5, 1955 - Dr. N. J. G. Pounds, Indiana University, "Coal, Steel, and Non-Ferrous Metals of Polish Upper Silesia".

December 12, 1955 - Dr. James E. Canright, Indiana University, "The Pennsylvanian Flora of Indiana". (Program arranged and conducted by Sigma Gamma Epsilon.)

December 19, 1955 - Mr. A. P. Pinsak, Indiana Geological Survey, "Salem Limestone in the Indiana Subsurface".

January 9, 1956 - Dr. A. L. Howland, Northwestern University, "The Petrology of Iron Ores".

January 16, 1956 - Mr. G. M. Knebel, President, American Association of Petroleum Geologist, "Some of the Habitats of Oil".

February 6, 1956 - Mr. George Brunton, Indiana University, "Recent Research Development in the Petroleum Industry".

February 13, 1956 - Dr. Walter Moore, Chemistry Department, Indiana University, "Rate Processes in Solid State Chemistry".

February 20, 1956 - Mr. G. K. Guennel, Indiana Geological Survey, "Miospore Analysis of Pottsville Coal Beds".

February 27, 1956 - A film entitled "Mining for Nickel". (Program arranged and conducted by Sigma Gamma Epsilon.)

March 5, 1956 - Journal Club meeting cancelled because of illness of speaker.

March 12, 1956 - Dr. James H. Zumberge, University of Michigan, "Ground Water and the Law".

March 19, 1956 - Mr. Bert Renzetti, Indiana University, subject not yet specified.

March 26, 1956 - Professor Ralph E. Esarey, Indiana University, "Experiences in Venezuela".

April 2, 1956 - Spring recess.

April 9, 1956 - Dr. Albert Carozzi, University of Illinois, "New Problems in Alpine Geology".

April 16, 1956 - Dr. Aurele La Rocque, Ohio State University, "The History of a Tertiary Lake in Utah".

April 23, 1956 - Dr. Gunnar Thorson, Copenhagen, Denmark, title not known but subject material will concern sedimentation and/or biology of fresh water lakes.

April 30, 1956 - Program sponsored by Sigma Gamma Epsilon,

May 7, 1956 - Dr. Charles F. Deiss, Indiana University, subject most probably will concern Cambrian stratigraphy and paleontology in western

North America.

May 14, 1956 - Dr. J. R. Goldsmith, University of Chicago, his address will pertain to the crystallization of silicates and carbonates.

May 21, 1956 - Messrs. George Moore and James Noel, Indiana University, title not specified but they will discuss the geology of a part of Montana.

PARTICIPATION IN SCIENTIFIC MEETINGS

Royal Society of New Zealand, Wellington, New Zealand, June, 1955.

In attendance: Professor Vitaliano

Paper presented: "Magnesium Mineralization in the Southwestern United States" -- C. J. Vitaliano.

Geological Society of South Australia, Adelaide, South Australia, July, 1955.

In attendance: Professor Vitaliano

Paper presented: "Some Geologic Features of the United States" -- C. J. Vitaliano

Geological Society of Western Australia, Perth, Western Australia, July, 1955.

In attendance: Professor Vitaliano

Paper presented: "Stratigraphic Sequence in the Tertiary Volcanic Rocks in the Great Basin of the United States" -- C. J. Vitaliano.

National Clay Minerals Conference, State College, Pennsylvania, October, 1955.

In attendance: Professor Beck and Murray; and R. K. Leininger,

Papers presented: "Effect of Weathering on Clay Particles" -- H. H. Murray and R. K. Leininger. "Correlation of Paper Coating Quality with Degree of Crystal Perfection of Kaolinite" -- H. H. Murray and S. C. Lyons.

Indiana Academy of Science, Notre Dame University, October, 1955.

In attendance: Professor Perry

Paper presented: "Local Lithologic Discontinuities of the Reelsville Limestone (Lower Chester) of Indiana" -- T. G. Perry and H. H. Gray.

Geological Society of America Meeting, New Orleans, Louisiana, November, 1955.

In attendance: Professors Deiss, Esarey, Galloway, Lowell, Murray, McGregor, Perry, Thornbury; and Wayne M. Bundy, Alan S. Horowitz, R. K. Leininger, James R. Mahorney, and Lawrence F. Rooney.

Papers presented: "The Evolution of Stream Valleys in Southwestern Montana" -- W. R. Lowell. "Mineral Composition on and Adjacent to a Seamount in Sigsbee Deep" -- H. H. Murray and Jack L. Harrison. "Geomorphic History of the Upper Wabash Valley" -- W. D. Thornbury. "Structure and Classification of the Genera of the Stromatoporoidea" and "Middle Devonian Stromatoporoidea From Indiana" -- J. J. Galloway and Joseph St. Jean.

American Institute of Mining and Metallurgical Engineers, New York, N. Y., February, 1956.

In attendance: Professors Deiss and Patton

American Association of Petroleum Geologists meeting, New York, N. Y., April 1-3, 1955.

In attendance: Professor Esarey.

Lima Geological Society, Lima, Peru, April, 1955.

In attendance: Professor Esarey.

FACULTY SCHOLARSHIP AWARD

The Faculty Scholarship award was set up in 1952 by the Geology faculty to honor an undergraduate geology major for academic achievement. This recognition of scholarly ability is made to encourage all geology majors to make the most of their opportunities at Indiana University. The award is given to the student with the highest scholastic average at the completion of his Junior year, and is presented to him by the Department Chairman at the second meeting of the Journal Club.

The recipient of the award for the academic year 1954-55 was James Robert Dodd, who thus joins the select list to have been presented with a Brunton compass by the Geology faculty. James' outstanding academic record consists of an overall grade index of 2.91 from 96 hours of A, 8 hours of B, and 2 hours of C. His geology record is slightly higher --- 29 hours of A and 2 hours of B for a 2.93 index.

James plans to obtain a Ph. D. in paleontology, and then either teach in a university or do paleontological research for the U. S. G. S. or a state Survey. To this end he will be a teaching assistant in the Department next year. James is a native of Bloomington, Indiana.

THE VITALIANOS SEE THE WORLD

Professor Vitaliano and family reached the ultimate in travel last year when they left Bloomington in a westerly direction and arrived back home a year later from the east with a globe-circling trip in between.

Taking advantage of a sabbatical leave of absence from the University and a Fulbright grant, Professor Vitaliano spent the summer months (southern hemisphere) in New Zealand studying the geology in the vicinity of Marlborough Sounds, north of Blenheim. Due to heavy bush and lack of roads, most of the work had to be done from the water, but despite these obstacles, Charlie obtained a good many specimens of the lowgrade metamorphics that populate the area. The results of his study may well be instrumental in solving some of the major tectonic problems of that portion of New Zealand. In addition to the concentrated geologic work, the Vitalianos found it possible to travel extensively on both North and South Island.

In July, 1955, the Vitalianos moved on to Australia where Charles visited many of their Universities on an extensive speaking tour. His stops included: the University of New England at Armidale; Australian National University at Canberra; University of Adelaide at Adelaide, University of Western Australia in Perth, and ended at the University of Sydney, at Sydney, late in July. The air trip back to Bloomington was via Indonesia, Singapore, Ceylon, Cairo, Rome, London, and New York.

EVERY DAY IS MOVING DAY

Despite the omission of Geological Survey news from this edition, it does appear that since space changes involve both the Department and the Survey

we should advise you regarding moves that are in the offing.

It appears likely that some part of the geology facilities will be on wheels for most of the time between this writing (March 5th) and October, and anyone who hopes to do business with us would be well advised to bring a bicycle. The large quonset hut at the east end of the Union Building will be absent by the time this News Letter is published. It will be removed, along with the power plant and smoke stack, and former Indiana Daily Student building to make room for an eastward extension of the Union Building, which will triple the size of that building. Louden House and the small quonset hut on Forest Place that has housed Doctor Galloway's Institute of Stromatoporology will be razed some time between May and October.

The gain in space includes the remainder of the basement of Wylie Hall (Petroleum Geology and Geophysics have occupied the north wing of the basement for the last several years) and the south wing of the first floor. Professors Esarey and Mead already have offices on the first floor. Professor Esarey's office will be surrounded by the Geological Survey, and Professor Mead will occupy an outpost within the Home Economics Department (it is rumored that he will request transfer to this department). We have also acquired most of the basement of the new Law Building located at Third and Indiana.

A large quonset hut is under construction just north of the Illinois Central tracks on Forest Lane. This building will house our shop, the Geological Survey's core storage, and a room for core handling.

The entire Industrial Minerals Section will move from the quonset to Wylie Hall, as will the Spectrographic Laboratory. The Coal Analysis Laboratory and the Chemistry Laboratory will be moved from Owen Hall to Wylie, which will bring the Geochemistry Section of the Geological Survey together for the first time. George Ringer's photographic laboratory will move to the basement of Wylie Hall, and the department's Sedimentary Petrology laboratory, now located in Owen 30, will move in next to the Petroleum Geology laboratory in the basement of Wylie. The Geophysics Section of the Geological Survey will move to the south wing of the Wylie basement, leaving the east end of the north basement wing for geophysics teaching, which was the use for which it was originally assigned to us.

The space in the new Law Building will be

occupied by all the former denizens of Louden House, including the Coal Section, Glacial Geology Section, and Publications Office. Drafting will move from the top floor of Owen to the Law Building, and Doctor Galloway will also have quarters there. Changes within Owen Hall include the transfer of the X-ray laboratory and dark room to the former Chemistry laboratory. Owen 230 will again be an Economic Geology laboratory and Owen 230-A will become a small lecture room. The Geology Library, which has material stored in numerous inaccessible places, will expand into the present drafting rooms along the west side of the top floor of Owen. The basement room Owen 30 will be the office and laboratory for Dr. Robert Shaver, currently Head of the Geology Department at the University of Mississippi, who will begin his duties July 1 as paleontologist for the Indiana Geological Survey. The present photographic laboratory on the first floor in Owen Hall will become an accountant's office allowing Ted Appleton to move out of the overcrowded main Geology office.

As you may imagine, all these changes have not been accomplished without travail. The greatest suffering has been borne by "Fuming Joe" Guennel, whose working space will be divided between the Law Building and Wylie Hall. A paleobotanist emits fumes practically constantly, and the Law School was horrified at the thought (or at least the sound) of a fume hood in the new building. After much searching, Joe was assigned a niche in a preparation room in Wylie for his caustic and malodorous brewing operations, and he will take the spores to his new laboratory in Law for microscopic and photographic work.

RECENT GRADUATES IN GEOLOGY

A. B., June, 1955

Buchholz, Donald Harry
Huffman, Clyde William
Smith, James Allen

B. S., June, 1955

Kercher, James Henry
Lindenschmidt, Charles M.
Schemehorn, Neil R.
Stover, Jack Wendell
Wells, Jack William

A. M., June, 1955

Harrison, Jack Lamar
Thesis: "Sedimentation conditions in the interval between the Paoli limestone and the Beech Creek limestone in the Lower Chester of Indiana."

Herr, George A.
Thesis: "Clay minerals in the Phosphoria formation in southwestern Montana".

Smith, Ned Myron
Thesis: "Building-stone facies of the Salem limestone".

Von Tress, David E.
Thesis: "Some Waynesville and Liberty bryozoa from Versailles, Ripley County, Indiana".

B. S., September, 1955
Fish, Ferol Frederic
McClain, Maurice Dale
Tudor, Daniel S.

A. M., September, 1955
Bohor, Bruce F.
Thesis: "Origin of the Allegheny underclays of western Indiana".

Brookley, Arthur C. Jr.
Thesis: "The paleontology of the upper Mississippian Beech Creek limestone of Indiana".

Hale, Elbert L.
Thesis: "An analysis of shallow refractions seismograms".

Larson, Richard W.
Thesis: "The petrology of the Merom sandstone at the type locality".

Raymond, Paul C.
Thesis: "Arenaceous foraminifera from the Osgood (Middle Silurian) formation, Indiana".

Warren, Jack R.
Thesis: "A study of magnetic anomalies associated with ultrabasic dikes in the western Kentucky fluospar district".

Ph. D., September, 1955
Fowler, Wayne E.
Thesis: "Geology of the Trusty Lake-Quartz Hill Gulch area, Beaverhead County, Montana".

St. Jean, Joseph
Thesis: "Middle Devonian stromatoporoidea from Indiana, Kentucky, and Ohio".

Weir, Charles E.
Thesis: "Correlation of the upper part of Pennsylvanian in southwestern Indiana".

B. S., February, 1956
Bodart, Joseph
Conley, Jack F.
Smith, Howard
Wirey, Gary L.

TIMES HAVE CHANGED

Do you remember when you had to write letters to oil companies, have your friends write letters for you, hit the road and visit the offices of oil companies, and use various other devices in order to find a job after you had graduated? Well, times are different now-a-days. The demand for geologists, paleontologists, geophysicists, and other sub-species of geologists continues to exceed the supply. Oil companies have not yet started giving Cadillacs as a reward for signing a contract to work for them, but they are paying salaries to some of the boys that will soon enable them to own Cadillacs. Up-to-date representatives of fourteen companies have visited the department and about every student that resembled a geologist has had some sort of offer. Following is the list of visitors that we have had thus far.

October 18 - B. M. Van Eaton, W. H. Dawson, and E. P. Meagher of the Carter Oil Company.
H. W. McCobb of the Standard-Vacuum Oil Company.
R. Dana Russell of the Ohio Oil Company's Research Center.

October 19 - Carl F. Pampe of the Pure Oil Company.
H. E. Stommel of the Chevron Oil Company.

October 21 - H. V. Lee of the Socony Mobile Oil Company.

October 25 - A. Paap of the Standard Oil Company of California.

November 4 - Clay McElroy of the Standard Oil Company of Texas.

November 11 - R. B. Hale of the Shell Oil Company.

November 14 - Guy Daniel of the California Company.

December 5 - H. L. Lukert of the Texas Company.

February 27 - A. C. Munyan of the Sohio Petroleum Company

February 28 - A. P. Stanton of the Research and Development Division of the New Mexico Institute of Mining and Technology.

April 19 - J. H. Clements of the General Geophysical Company.

Edwards, Benjamin III - California Company, New Orleans, Louisiana.

Mahorney, James - Standard of Texas - Houston, Texas.

Moore, George T. - California Company, New Orleans, Louisiana.

Noel, James - Creole Petroleum Company, Venezuela.

Riggs, Kenton - California Company, New Orleans, Louisiana.

Rooney, Lawrence F. - Socony Mobile, Libya, North Africa.

Schemehorn, Neil - California Company, New Orleans, Louisiana.

Tudor, Daniel S. - Standard of Texas, Houston, Texas.

MOST EVERYONE HAS A JOB

Following is a list of the jobs accepted by 1955 graduates.

Brookley, Arthur C. - Standard of California, Los Angeles.

Fowler, Wayne E. - California Company, Mattoon, Illinois.

Herr, George A. - Victor Chemical Company, Columbia, Tennessee.

Kercher, James H. - Sohio Petroleum Company.

Loftin, Grady A. - General Geophysical Company, Houston, Texas.

Lockhart, Carl - Sohio Petroleum Company, Worland, Wyoming.

McClain, Maurice D. - Texas Company, Williston, North Dakota.

Raymond, Paul C. - Texas Company, Farmington New Mexico.

Smith, James Allen - North American Aviation Company, Los Angeles, California.

St. Jean, Joseph - Assistant Professor of Geology, Trinity College, Hartford, Connecticut.

Von Tress, David - Texas Company, Houston, Texas.

Warren, Jack R. - Shell Oil Company, Houston, Texas.

Wells, Jack W. - Vacuum Oil Company, Midland, Texas.

Following is a list of the members of the 1956 graduating class who have already accepted positions.

Ba, Donald Aung - Burmese Geological Survey.

Boyce, Malcolm - Standard Oil of Texas, San Angelo, Texas.

Conley, Jack F. - Texas Company, Houston, Texas

SIGMA GAMMA EPSILON

Chapter officers this year are: Ken Riggs, president; Neil Schemehorn, vice-president; Gary Gates, secretary-treasurer; and Larry Rooney, corresponding secretary. During the fall semester, the following new members were initiated: Pei-Yuan Chen, William Elberty, Ferol Fish, Leonard Katanich, Dennis Harris, Dee Rarick, Ernesto Sirvas, John Smith, George Wagner, Richard White, Dan Wright, and Teruo Yamamoto. Mr. Chen is from Formosa, and Mr. Yamamoto is from Hawaii. The initiation was held in a cave and was followed by a banquet in Owen Hall.

The chapter plans another banquet for the spring initiates, and continues the bi-weekly tradition of coffee and doughnuts, which pays so well. For the past few years, the chapter has successfully ignored most proposals of a project nature and has retained its integrity as a social group and a forum for student discussion. In its meetings are aired such timely topics as the frigidity of the men's toilets, the mores of the faculty, and the depressingly high morals of those whose genius is fostered close to the roof of Owen Hall.

The attic of Owen Hall, shared alike by pigeons and graduate students, knows no longer the raw male sounds of that specie of young American called "the geology major"---not that the students are not geologists, mind you, but they are an anemic lot compared to the time when you were here. The present generation is paled over by the sickly cast of thought. They read books, use the library (instead of pillage it), and are as considerate as all getout. Time was when radios blared and curses floated across the rafters, but these days are gone.

DEVONIAN FIELD CONFERENCE

The Indiana Geological Survey and Department of Geology jointly sponsored a field conference on the Devonian rocks of southeastern Indiana from September 30 to October 2, 1955. The primary purpose of this conference was to acquaint participants with the stratigraphy and sedimentation of these strata. Headquarters for the conference was Clifty Inn near Madison. On Friday evening (September 30), several short addresses were given by specialists in different aspects of the Devonian rocks in Indiana and contiguous areas. Saturday night was also devoted to further formal discussions.

Saturday (October 1) and Sunday morning (October 2) were devoted to observing Devonian rocks in artificial and natural exposures. Paleontologists gleefully filled bags with fossils at the Falls of the Ohio; some even collected stromatoporoids at this locality. Physical stratigraphers were able to examine the details of the Devonian limestones in a complete section of these rocks at the Meshberger Stone Company quarry near Columbus, and most participants watched the making of an electric log at this stop by members of the Geophysics Section of the Indiana Geological Survey.

One hundred and forty-nine persons registered for the conference. Among the registrants were students, university faculty members, petroleum geologist, and members of state surveys. Persons from nine states registered for the conference.

PLANE-HOPPING IN SOUTH AMERICA

Professor Ralph Esarey was on sabbatical leave during the second semester of last year and during part of his leave he made an airplane trip to various points in South America to see at first hand various oil fields on that continent. First stop was on the island of Trinidad. The most interesting sights there were Harold Kaska and the famous asphalt lake. Walt Spangler, district geologist for the Creole Company at Jusepin, Venequela, rolled out the red carpet and made possible the seeing of most of the oil fields of eastern Venezuela. A fishing trip on the Orinoco added to the pleasure of the visit in Venezuela. Practically all of the fields around lake Maracaibo were visited through the courtesy of Messrs. George Gaenslen and J. G. Marks.

Rain spoiled much of the trip in Columbia and Ecuador. At Cali, Columbia, field trips were made possible through the courtesy of the Magnolia Company.

The Talara oil field in Peru was visited through the assistance of A. L. Bell, chief geologist of the International Oil Company. U. S. G. S. personnel at Lima helped to plan a train trip across the Andes to Huancao. Altitudes of 16,000 feet were reached on this trip. The properties of the Cerro de Pasco Copper Company were visited. A brief stop was made at Panama on the return trip.

SUMMER FIELD CAMP

The summer field camp was held from June 18 to August 10, 1955. Twenty-four students were enrolled in the course. Students from other schools were William P. Benjamin and Louis Martucci from Union College; John L. Hayes and James E. Milas from Notre Dame University; Frank Moore from the University of Michigan; Harold A. Schmidt from DePauw University; and Miss Judith Bailey from Mt. Holyoke College. Mrs. Phyllis Renzetti attended camp to do the field work for the Ph. D. thesis "Paleontology of the Three Forks formation".

Staff members for the field course included Professors Ralph E. Esarey, Thomas G. Perry, and Wayne R. Lowell.

Geologic Map areas included the north half of Mt. Doherty northward to latitude $46^{\circ}00'$ and from the North Boulder River eastward to longitude $111^{\circ}45'$. The Mt. Doherty area is characterized by Appalachian type folds. North of Nigger Hollow, flat thrust faults in the Pennsylvanian and Permian rocks are the major structures.

The Glacier Park trip was marred by low clouds and continuous rain, but the weather was clear and sunny for the Dillon trip. The cooking was excellent again this year. No unusual events occurred - no accidents - no romances.

VITAL STATISTICS

Births

- January 6, 1956 - a son, Andy, to Mr. and Mrs. Thomas G. Beck.
- June 16, 1955 - a daughter, Sue Ann, to Mr. and Mrs. Bruce Bohor.
- March 16, 1955 - a son, Donald III, to Mr. and Mrs. Donald K. Cameron.
- August 10, 1955 - a daughter, Catherine Lynn, to Lt. and Mrs. John H. Cleveland.
- July 31, 1955 - a daughter, Corinne, to Mr. and Mrs. Richard Erd.

November 4, 1955 - a son, Kevin Wayne, to Dr. and Mrs. Wayne Fowler.

July 27, 1955 - a daughter, Kim Marie, to Mr. and Mrs. Carl Frielinghausen.

Date Unknown - a daughter, Adriane, to Dr. and Mrs. Conrad Gravenor.

January 24, 1956 - a son, Ronald Scott, to Professor and Mrs. Donald E. Hattin

January 31, 1956 - a daughter, Mary Beth, to Mr. and Mrs. Perry G. Holloway.

May 3, 1955 - a daughter, Linda Jane, to Mr. and Mrs. Donald E. Hyer.

August 30, 1955 - a daughter, Janet, to Dr. and Mrs. Frank E. Kottlowski.

October 1, 1955 - a daughter, Karen Anne, to Mr. and Mrs. Harry Kugler.

February 25, 1956 - a son, Ian, to Professor and Mrs. John B. Patton.

January 24, 1956 - a son, Stephen Michael, to Mr. and Mrs. Lowell Plock.

Date Unknown - a son, Kelly, to Mr. and Mrs. James Powell.

December 10, 1955 - a daughter, Holly Lynn, to Mr. and Mrs. James Smith.

October 3, 1955 - a daughter, Elizabeth Jean, to Mr. and Mrs. Dan Tudor.

May 22, 1955 - a son, Robert Charles Jr., to Mr. and Mrs. Robert Charles Voss.

June 28, 1955 - a daughter, Beth Ann, to Mr. and Mrs. Ralph Wedow.

Deaths

May 24, 1955 - Professor Grover Cleveland Nance, formerly Chairman of the Geology and Geography Department of Winthrop College, Rock Hills, South Carolina, at the age of 72.

April 30, 1955 - John O'Neill, father of Mrs. Carl W. Beck, at Philadelphia.

October 12, 1955 - Professor William Tucker, formerly a member of the Geology Department at Indiana University and later Chairman of the Geology Department at Fresno State College, Fresno, California, at the age of 77.

September 5, 1955 - Prentiss D. Moore, for many years a consulting geologist and independent oil operator at Midland, Texas.

July 28, 1955 - Duncan E. McGregor, father of Duncan J. McGregor, in a car accident near Offerle, Kansas.

Marriages

September 9, 1955 - Anita Heisterkamp, formerly of the Drafting Section of the Indiana Geological Survey, to Jack Matthews, a graduate of the Indiana University Business School.

June 14, 1955 - Janet Wert to T. H. M. Crampton, at St. Paul's Episcopal Church, Indianapolis.

January 28, 1956 - Rosalia (Buddy) Rey to Lawrence Rooney at the Bloomington Methodist Church.

July 31, 1955 - Donald G. Roermernann to Betty Rinas of Sea Cliff, New York.

December 5, 1955 - Leonard B. Otts to Marilyn Borcharding.

February 25, 1956 - Arthur C. Brookley, Jr., to Beverly Carolyn Ritter.

Your editor thought that sending out the post cards was a pretty good way to get news items from you. In general the response was very good. There is one catch, however, about thirty of you sent the cards back without any signature. In some cases it was possible to figure out who sent the card, but when the card was from a city where several of our alumni are located this was not possible. So, if you sent a card and there is no news item regarding you or change of address, blame it on yourself and not the editor.

NEWS ITEMS

Our oldest alumnus, Lee F. Bennett (A. B. '98), of Saginaw, Michigan, writes that he is still hale and hearty and enjoys reading the NEWS LETTER.

Raymond L. Parker has left the New Mexico Bureau of Mines to work with the Foreign Geological Service of the U. S. Geological Survey.

Lewis Childs is the proud father of two boys and two girls ranging in ages from 8 to 3 years. Since June, 1944, he has worked at one of the Atomic Energy installations at Oak Ridge, Tennessee.

John E. Combs and family are back in the States again and he is flying as Captain for Eastern Airlines after spending 2 1/2 years in Tokyo on a special assignment for the U. S. Air Force.

Mrs. Caroline Kierstead was on sabbatical

leave from Smith College during the second semester 1954-55. During her leave she and her husband took a two-months trip to Texas and the southwest, including a visit to the Grand Canyon. They were also on the Ardmore Geological Society and Oklahoma Geological Survey field trip in the Arbuckle Mountains.

Robert C. Voss was released from active duty in the Air Force in October, 1955 and is now working in the Engineering Records Division at Allison's in Indianapolis. While in the service he spent a year and one-half as aerial gunnery instructor on jets at Laughlin A. F. B., Del Rio, Texas.

Bob Shrock and wife paid us a visit in July. Bob has been Vice-President of the S. E. P. M. during the past year and took over the latter part of April as President of that organization.

Jack Wells left early in June to take a job with the Vacuum Company in Texas. He expected to spend about six months there after which he was headed for South America.

Grady Loftin left the first of September for a job with the Geophysical Company of Houston, Texas.

Kelly Summers visited the Department in the latter part of May, at which time he was working for the U. S. Army Branch of Corps of Engineers in the Detroit area.

Jack Pickering left New Jersey in mid-July to go to work for the Columbia Iron Mining Company out of Provo, Utah. Paul Proctor will be his boss on the new job. The Pickering's have two daughters, 4 1/2 and 1 1/2 years old respectively.

Ye olde Editor had a nice visit with Dr. Glenn Bartle at the Commencement last June. Glenn is still President of Harpur College at Endicott, New York. As further evidence that tempus fugit, Glenn stated that his son, Bob, had completed work for his Ph. D. degree at the University of Chicago and had accepted an Assistant Professorship at the University of Illinois. Glenn said they have a big building program underway at Harpur College.

The newly organized Air Force Academy took Brock Strom away from us.

Many of you will be glad to hear that we have a new automatic elevator in Owen Hall. Tests have shown that if you start for the library from the basement early in the morning, you can get back in time

to go home for lunch.

Anita Heisterkamp, after her marriage to Jack Matthews, left the Department to live at Minneapolis, Minnesota, where her husband is a member of the teaching staff. Her artistic inclinations are now directed to water painting and she recently exhibited her paintings in John Herron's Art Exhibition and received a very nice write-up in the Indianapolis Star.

Mrs. T. H. M. Crampton (Janet Wert) is acting as a Graduate Assistant at Smith College while her husband teaches at nearby Mt. Holyoke.

John P. Kipta has abandoned geology for general contracting in Munster, Indiana.

Ralph L. McDonald resigned about 1 1/2 years ago from the U. S. Geological Survey and is now working for the Sohio Petroleum Company at Tyler, Texas. The McDonalds have two children, a daughter, 3 years old, and a son, 1 year old.

Pat Stouder, who now is working for himself under the title of Stouder Drilling Company, recently moved his office from Louisville, Kentucky to Evansville, Indiana. He and John Organ are trying to get all the members of the Class of 1926 back to Indiana University in June for the 30th anniversary of the class. Let's everybody be here!!!

Gerry Hennessy, who works for Pat Stouder, has moved with him to Evansville, Indiana. The Hennessys have three children, the youngest having arrived in August, 1954.

Second Lieutenant Marvin E. Warner is a radio platoon officer in Germany. Says he gets to see a lot of geology because he spends about half his time in the field.

Thomas G. Beck, who has been transferred by the Hercules Powder Company to its Salt Lake City district is living in Bozeman, Montana. His territory includes Montana and the northern part of Wyoming.

Lt. John H. Cleveland, after completing his course in photo interpretation at Purdue University, was finally attached to the 21st Engineer Company, Peresidio, San Francisco, California. His work consists of preparing maps from air photographs. The Army seems to have slipped up in John's case and assigned him to a branch of the service where he could actually make use of his college training.

Dean Pennington has been transferred from Evanston, Wyoming to Rapid City, South Dakota, where he is working for the Ohio Oil Company. He says he gets to spend a good deal of his time in the summer pounding on rocks in the Badlands and the Black Hills.

Herman L. Martin, after 32 years of teaching in the schools of DuBois, Spencer, and Perry counties has retired and is now operating an 80-acre farm near Huntingburg, Indiana on which he specializes in truck farming.

Leonard B. Otte is Engineer at Dowell, Inc., Mt. Carmel, Illinois.

Bob Faith is doing consulting work in Evansville, Indiana. He is still a bachelor. Don't give up hope, Bob. Read what happened to Art Brookley???

Don E. Six returned from his service with Uncle Sam in October, 1955, and is now Geologist for the Texas Company at Bakersfield, California for part of the west side of the San Joaquin Valley. His wife is Ruth A. DeKemper, I. U., Class of '51.

Abdullah Sayyab is still in Iowa City but he expects to return to Iraq in September after obtaining his Doctors degree in June and attending the International Congress in Mexico City.

Mary W. Payne is still working for the Sun Oil Company at Corpus Christi, Texas. Her work is on samples from offshore wells.

Dick Schweers is now head of the stratigraphic and paleontologic section of the Texas Company at Fort Worth. He and his family recently took a vacation trip to Mexico and liked it so well that they are planning another one there soon.

Hugh H. Berry is now Lubrication Chemist with the U. S. Naval Ordnance Plant, Indianapolis, Indiana.

Ross Taylor is now University Demonstrator at Oxford University, England. Says he hopes to get back to the U. S. in a couple of years.

Earl S. Newcomer is with the Texas Company at Jackson, Mississippi but is expecting to be transferred soon to New Orleans. He says that he is trying to grow web feet for the offshore work that he expects to do when he gets to New Orleans.

Raymond L. George is now a 1st Lieutenant in

the Army and is stationed in Germany. The Georges have one daughter, Cathy Lynn.

Walter E. Burnham, who received his Ph. D. degree in 1953, has deserted geology for work with the Foreign Student program at Indiana University.

John G. Barr has been transferred from Bakersfield, California to Seattle, Washington where he is Geologist for western Washington for the Standard Oil Company of California.

Capt. John E. Davenport is now located at Lowry Air Force Base, Colorado where he expects to remain until June, when he will be sent overseas. He spent three months in 1955 in Japan and Okinawa flying F-86 D's.

Donald G. Roemermann is with the Carter Oil Company at Carmi, Illinois. He says that he gets plenty of experience in well-sitting.

John R. Neal, who lives in Danville, Indiana, works for Stewart-Warner of Indianapolis. The Neals have a daughter, Julia, 1 1/2 years old.

Don Barnett writes from Shreveport, Louisiana, where he works for the Union Producing Company, that recently he has been put in charge of the Air Photo Section. He laments the fact that what is probably the most practical book dealing with air photo interpretation was authored by men from the Engineering School of Purdue University, rather than by geologists.

Joe St. Jean is enjoying his work at Trinity College, Hartford, Connecticut. He plans to spend the coming summer teaching and establishing the Eastern branch of the "Institute of Stromatoporology".

Ward J. Collins, Jr., is still employed as a geologist by the Citizen's Gas Company of Indianapolis. His work concerns underground storage and research on the interchangeability of mixed gases. The Collins's have three children, two girls, ages 8 and 5, and a boy, age 2.

Hubie Latimer is still Assistant Division Manager for the Sun Oil Company, Michigan Producing Division. Since he has recently purchased a new home in Toledo, he is now expecting to be transferred any time.

Don Devening writes that things are about the same with them except they have recently purchased a

home in Jackson, Mississippi.

Robert G. Reno has deserted geology for radio and television. He operates an electronic repair shop in Indianapolis. The Renos have five children, four girls and one boy, ranging in ages from 11 to 3.

M. D. Mauck continues as Division Geologist for the Pure Oil Company in Fort Worth, Texas.

Jim Wilson is co-owner of the Caliente Operating Company of Mt. Carmel, Illinois. He has a son, Robert, two years old. Says he would like to hear from some of his old friends.

Joseph E. Keyser, after leaving Indiana University, obtained his A. M. degree at the University of Texas in 1948 and married Gene Gunkhouser (B. A., Texas). They have five children, Carolyn, age 6, Julie, age 5, Ed, age 3, and Laura and Ann (twins), age 6 months. Joe left the Woodley Petroleum Company in 1953 and formed a partnership known as Gipson and Keyser, Geologists, Midland, Texas.

Luther S. Ferguson, western Manager of Charles Scribner's Sons has neatly gotten around his former weekly commuting between Bloomington and Chicago, by moving the Scribner offices from Chicago to Bloomington.

Ken Waters has been promoted to Area Geologist for the California Company. Ken is beginning to feel at home at New Orleans since he has been there six years. Apparently he has that established feeling, as he has recently bought a home.

George Whitlatch is still in Nashville, Tennessee. He was recently made Executive Director of the newly organized Industrial and Agricultural Development Commission. The Whitlatches have two boys, Terry, age 10, and Jeff, age 3 1/2.

Gordon F. Fix was transferred last September from Mattoon, Illinois to Grand Rapids, Michigan, at which time he was promoted to District Geologist of the Carter Oil Company, Michigan district. The Fixes have two sons, Alan, age 14, and Donald, age 10.

Noble Beard visited the department enroute to California from a sabbatical leave from February to September, 1955, spent in Europe. Among other things, he studied the igneous and volcanic phenomena in Italy, Auvergne region of France, and in northern Ireland. He liked Switzerland best of all.

John L. Bible resigned as President of Tidelands Exploration Company as of January 1, 1956 and is now operating as a consulting geophysicist specializing in magnetic and gravity interpretations.

Orville Bandy seems to be doing well as U. S. C. as is evidenced by the fact that 1955 brought him a new home and promotion to full professorship. The Bandys have two children, Janet, age 9, and Donald, age 5.

Ralph Wedow is purchasing agent for Castings Service Corporation at LaPorte, Indiana.

Howard Pierce (we think, the card wasn't signed) writes from Tucson, Arizona that he is busy completing his thesis and feeling out jobs. He has recently taken up golf, and that probably is taking up most of his time. The Pierces have two children.

James Smith is employed as Project Planner of the Rocketdyne Division of North American Aviation, located in California.

Sam Riely, Jr. informs us from Ft. Clayton, Canal Zone, Panama, where he is doing his stint for Uncle Sam, that after leaving the Army, he expects to take a job with Socony-Vacuum Oil Company "deep in the heart of Texas".

John I. Moore is still busy producing oil and ranching on the side around San Angelo, Texas.

John K. Rose is now senior specialist for Conservation for Natural Resources Legislative Reference Service, Library of Congress. He writes that he envies the quiet and leisure of a professor's life, but doesn't say whether he would also like to trade salaries.

Harlan Logan has reached the "grandfather stage" with the birth of a granddaughter, Andre Montagu. He recently became Vice-President for Personnel and Public Relations of General Foods Corporation.

Dick Erd writes that with the birth of another daughter he is now only two short of Eddie Cantor.

W. A. Thomas is Division Geologist for Texas and New Mexico for the Ohio Oil Company with headquarters in the City National Bank in Houston.

Raymond S. Hunt writes from Roswell, New Mexico that he is District Geologist for Cities

Service Oil Company and covers about 3/4 of New Mexico and Arizona. Fifteen inches of snow cause him to class the past winter as being the "winter of the Big Snow". The oldtimers say it beats anything since 1880.

L. N. McLemore is Superintendent of the Foam Rubber Division of the U. S. Rubber Company at Mishawaka, Indiana. The McLemores have three sons, 12, 9, and 3 years old.

For the past two years Wayne Erickson has been engaged in electrical and radioactivity log interpretation, subleasing work, and reservoir mapping as Staff Geologist with the Gulf Oil Corporation at Midland, Texas. The Ericksons have one child, a daughter, Christine, who is 3 years old.

Hal P. Bybee's title is now Professor of Geology, Graduate School, University of Texas, and Consultant in University lands. His family has done its share toward reducing the shortage of geologists. He has one son who is Division Geologist with the Continental Oil Company at Midland, Texas, another son who is Geologist with the Humble Oil and Refining Company out of Roswell, New Mexico, a daughter who is Geologist with the Humble Oil and Refining Company at Corpus Christi, Texas, and a third son who comes in contact with rock frequently enough through his association with the Woolery Stone Company of Bloomington, Indiana.

John A. Dunn has been moving around a lot. First he was located at Sparta, Illinois, then at Tulsa, Oklahoma, and then for three years at Denver, Colorado. In January of 1956 he was transferred to Durango, Colorado where he is employed by the Carter Oil Company. The Dunns have a son, James, age 5, and a daughter, Mary Ellen, age 3.

As evidence of how ancient some of the furniture around the Geology Department is, we may cite the fact that Dan Tudor, one of our graduate assistants, after opening one of the drawers in the "desk" that he uses, found a number of letters that had been written in January of 1895 by Professor Vernon F. Marsters, then Chairman of the department. These letters were written to various Heads of Departments over the country asking for information as to the equipment, number of professors, students, etc. in their departments. Apparently the replies were to be presented to the Indiana University Administration as evidence that the I. U. Geology Department was not getting its just desserts. The letters make rather interesting reading and certainly indicate that Geology

Departments have come a long way since 1895 as to numbers of professors, equipment, and students. One thing, however, has not changed over the years. Geology professors salaries were low then, as now. The average salary indicated by these letters was \$1564. The average number of petrographic microscopes in a department then was slightly less than two.

Ira Dan Taylor has kept busy during the past winter in the Texas Pan-Handle looking for oil beneath the snow they had. The Taylors have two boys, ages 4 1/2 and 2. He is a partner in the Texas-Pan-Handle Sample Log Service of Amarillo.

Con Gravenor writes that he is relinquishing his job at the University of Alberta at the end of the spring semester to become Chief Geologist for the Research Council of Alberta, which next year will have 12 staff members. He retains his interest in Pleistocene geology and predicts that in another 50 years or so they will have the Pleistocene of Canada mapped.

Tom Hiestand continues as Geologist and Vice-President of Texaco Oil Company with headquarters at Denver. Their oil and gas operations extend throughout the Rockies, Canada, and Alaska. During the year he served as Director for the Rocky Mountain Research Association of Geologists.

P. B. Stockdale as Chairman continues to try to keep the Department of Geology and Geography at the University of Tennessee on an even keel and in addition is Acting Project Director of an A. E. C. research contract on the Chattanooga shale of Tennessee.

Pres McGrain claims he keeps busy as Assistant State Geologist of Kentucky. In addition, he has acted as President of the Geological Society of Kentucky during 1955-56.

Jack Miller is located at Mt. Carmel, Illinois. He has two children, Deborah Jean, born in 1951, and a son, Steven John, born in May, 1954. In order to care for the expanding family, Jack built a new home in 1955.

Bob Barbour, after spending a year in Michigan with the Ohio Oil Company, has been transferred to their Evansville office. The Barbours have a son, Bruce, born in November, 1954.

Bryce Smith writes that he is teaching mathematics at Lancaster Central High School in Wells

County, Indiana.

Keith Treadway visited the Department in December. He had recently been commissioned a 2nd Lieutenant and was to be stationed at Ft. Riley, Kansas.

Ye Editor extends his thanks to D. V. Carter for his yearly contribution of a calendar from the Magnolia Company. Lots of beautiful scenery on it, but no Marilyn Monroe, Gina Lollobrigida, or Sophia Loren!!!

Dave Prentiss recently completed a six-months course in photo interpretation at the Naval Receiving Station in Washington and he reported in January for duty as Photographic Interpretation Officer on the U. S. S. Forrestal. Pretty good job for a boot ensign.

Bob Sargent is still located at Lead, South Dakota where he is searching for uranium in the Black Hills. Said he saw Dean Clark and Frank Spencer in Denver at the meeting of the Colorado Mineralogical Association.

A Christmas card from Frank Revetta indicates that he is somewhere in Europe. The scene on the card was near Salzburg.

H. H. Bradfield writes from Dallas, Texas that his promotion has been limited to promoting wells.

Robert E. Boyer has a teaching fellowship at the University of Michigan where he is working for a Ph. D. degree. He expects to spend next summer in the San Isabel National Forest area of the Wet Mountains of Colorado continuing field work on his thesis problem.

Art Brookley has had a change not only in marital status (see Vital Statistics), but also in his work. He has been transferred from the east part of the Ventura Basin to offshore exploration work. Ev Christensen was Art's best man and Shirley Berry, I. U., '52, was maid-of-honor.

Perry Holloway has changed his place of work and is now working for the McCord Oil Company in Shreveport, Louisiana. The Holloways like Shreveport so well that they have recently built themselves a home there.

Steve Theodosis was transferred from the Shell office at Billings, Montana to Denver, Colorado. He expects to work in the Raton, New Mexico area next summer.

Professor Vitaliano's rock collection in New

Zealand began to arrive in mid-summer all packed in Scotch whiskey boxes except for one that came in a box in which pears had been shipped. Apparently, Charlie was under the weather one week and was forced to go upon a fruit diet!

Don Hattin managed to get away from the Army long enough to participate in the Devonian Field Conference. At that time he was stationed at Dayton, Ohio but later he was transferred to Mt. Washington.

Our congratulations to Don Cameron and Ken Waters for the nice job they did in arranging and handling the Indiana University luncheon at New Orleans. Ken also served ably as assistant host at the California Company party, at which certain liquid refreshments were more in evidence than at the I. U. luncheon.

Wayne Lowell, Haydn Murray, Duncan McGregor, Dick Leininger, Charles Deiss, and Bill Thornbury took the Salt Mine trip while at New Orleans and all came back with a box of Jefferson Island salt. The 950 feet below sea level altitude reached in the mine was the nearest approach that any of the professors has so far had to the abode that most college students think all geology professors are headed for! Professors Lowell and Murray took the airplane trip over the Gulf and Delta through the courtesy of the California Company. They were very enthusiastic about it and later they both appeared in the December issue of the CALCO NEWS.

Enrollment in the Geology Department is on the upgrade again. In the fall semester we had 42 graduate students and some 90 undergraduates. If this continues, we will soon be back to where we were at the G.I. peak. There has been a rather noticeable improvement in the quality of graduate students as a result of the enforcement of the requirements of a "B" average for admission to graduate work. If enrollment increases continue as predicted, the probability is that it will not be many years before an overall "B" average will be required for entrance to graduate work.

Bill Von Osinski is still with ADA Oil Company at Midland, Texas. He said that he was going to visit us during the summer, but we never saw him.

A card last August from Brian Mason indicated that, among other activities, he was collecting minerals and viewing the interesting geomorphic and biological features to be seen in southern Norway.

He was scheduled to return November 1. Undoubtedly, Brian has spent the winter months pondering over what other part of the world he would like to see.

David V. Lewis authored an article in the August issue of ECONOMIC GEOLOGY entitled "Relationship of Ore Bodies to Dikes and Sills". This article was based upon his A. M. thesis at the University of Minnesota. After receiving his M. S. degree, he succumbed to Uncle Sam's invitation to become a member of the U. S. Army. He was located in Salzburg, Austria for six months and since October has been in Verona, Italy. He expects to terminate his European stay this coming September.

Air conditioning has expanded from the drafting room and the library to the front office. Several of the faculty are hoping that they will be next in line for this modern invention.

M. M. Fidler is still with the Mountain Fuel Supply Company at Rock Springs, Wyoming. He was elected to the Board of Directors of that company in December, 1955 and Director of the Rock Springs National Bank in January, 1956. He does not say whether he is driving a Cadillac yet or not.

Add King calls Indianapolis his home but he spends much of his time flying between Florida, Colorado, and Arizona developing stone quarries in those states.

George Winston has been transferred from Grand Rapids, Michigan to Miles City, Montana where he is engaged in stratigraphic work in the Williston Basin for the Carter Oil Company. The Winston have two children, a son, age 7, and a daughter, age 2 1/2.

A note from Frank Kottowski in Socorro, New Mexico, urges all to attend the International Congress in Mexico City and visit Socorro either going or coming. Let's not all stop on the same night though.

Paul Kelly is still with the Calvert Drilling, Inc., but has been transferred to Bowbells, North Dakota. It is back to the trailer life for the Kellys and they enjoy it very much. They have three children, a girl and two boys.

John H. Hughes left Skelly Oil Company and Bismarck, North Dakota to go to work for the Sohio Petroleum Company and is now stationed at Lewiston, Montana. His work has consisted largely of photo geology in the area involving the Tensleep and Phosphoria formations. He claims he has become

an accomplished deer, antelope, and elk hunter since going west.

Don Cameron is now in charge of all offshore paleontologic operations out of New Orleans for the California Company.

Henry G. Rogers writes that they have three children, ages 3, 5, and 7, and that most of his time is being dedicated to administration rather than geographic research.

Jack Jankovich was married in January, 1954 to Ann Geoghean, Class of '53. He was discharged from the Army in September, 1955 and started working as service adjuster for Pontiac Motors in Los Angeles.

Marshall Harrell (I think) writes that he is still at the same old stand in San Antonio doing the same old work.

L. L. Logue is still located in Dallas, Texas. The Logues have a son, age 9, and two daughters, ages 7 and 5.

Floyd Childs is still located at Bakersfield, California where he is Assistant Project Engineer, Flood Control and Development, Corps of Engineers, Los Angeles district. He and Mrs. Childs recently vacationed in Hawaii and while there visited their son, Lt. (J. G.) David Childs.

Harry Kugler is starting his sixth year at Midland, Texas. He says that any graduate planning to locate in west Texas needs a green thumb and should have had courses in rain making and desert gardening before arriving there.

Bert Fell is stationed at Ellsworth Air Force Base, Rapid City, North Dakota. He hopes to be back in school in September.

Joe Holm has deserted geology for agricultural work and is a member of the Board of Supervisors of Marshall County, Indiana Soil Conservation District.

Capt. Ben F. Rogers has been with Eastern Airlines in Atlanta, Georgia and Miami, Florida for 16 years except for four years in the Navy during the war. He frequently flies a Constellation over the I. U. campus and his Mother's home on his way to Chicago. He hasn't completely lost contact with geology since he has an interest in secondary oil recovery near Bowling Green, Kentucky.

E. P. Hunt writes that he is retired after 33 years in physical education at Stanford University. His time is now devoted to his hobby of Indian arts and motion pictures of southwestern Indians. He operates an Indian gift shop at Tahoe City during the summer months.

Don Hyer moved in January from New Orleans to Lafayette, Louisiana, at which time he was promoted to District Geologist for the operations of the Texas Company in southwestern Louisiana. The Hyers now have three children.

John L. Hamilton operates the Sullivan Concrete Supply Company at Sullivan, Indiana. The Hamiltons have two children, Cathy Jane, age 5, and John Russell, age 3 1/2.

Frank Greene is still active as a geologist in western Missouri for the Missouri Geological Survey and is stationed in Kansas City. He will make his fifth flight to Honolulu this coming summer.

Hollis Fender is areal geologist for the Sinclair Oil and Gas Company working in northern Oklahoma and the Texas Pan-Handle. He states that they have five Indiana geo-alumni working for them in Oklahoma; John R. Harris, James Reeves, Dick Horton, Willis Smith, and himself. The Fenders have two girls, Barbara, age 7, and Susan, age 4.

Carl Frielinghausen is still with the Tri-Good Oil Company at Casper, Wyoming where he is actively engaged in searching for oil in the Rocky Mountain area. He seems to think very highly of Wyoming as a place to live.

Gene Taylor continues with the Union Producing Company at Jackson, Mississippi. The Taylors now have three children in their family. The Taylors, Devenings, and Newcomers recently attended an Indiana alumni meeting at Jackson at which 15 alumni were present. Claude Rich and Noble Biddinger brought the group up to date on I. U. doings.

The Haydn Murray - Bill Thornbury betting combine proved too much for Maynard Collier during the past football and basketball seasons. As a result, Maynard has surrendered his gambling license and is concentrating now on shooting sitting ducks, quails, and rabbits.

Moving of part of the Geological Survey into their new quarters in Wylie Hall was delayed several weeks while Dr. Kinsey's new quarters in Jordan Hall

were sound-proofed to prevent the escape of any sex secrets prior to publication.

Professor and Mrs. Judson Mead toured the West during the past summer and visited the I. U. Camp, Black Hills, Glacier Park, etc. Jud liked the Camp so well that he is going there this summer as a member of the summer staff.

We were sorry to lose Dick Snyder, our able librarian, to the New Life Science Library, but you can hardly blame him for considering it a more attractive building in which to work. Dick Walker, our new librarian, is carrying on in the Snyder tradition.

Robert R. Myers, who lives at Economy, Indiana, is Chief Electro-Chemist for the nearby Perfect Circle Corporation. There are four children, Robert Harrell, 9, Jennifer Cheryl, 6, Elizabeth Janine, 3, and Delilah Jane, 4 months, in his family.

Richard H. Hohnson says that he is "pseudo" research engineer at the Wheelabrator Corporation in Mishawaka, Indiana.

John R. Reeves is now President of the Dominion Natural Gas Company, Ltd., with head offices in Buffalo, New York. This company produces, transports, and distributes natural gas in Ontario.

John R. Harris writes that they have three daughters now, ages 7 1/2, 2 1/2, and 1.

George S. Derner is now a Lieutenant with an A. P. O. address out of San Francisco. He writes that there is a lot to be seen on the other side of the world.

Bob Grosjean is Director and Vice-President of the newly organized Mound Company of Houston, Texas. He formerly was Vice-President of the Bullard Drilling Company.

Mrs. Ruth Tweedy Landis is continuing the I. U. tradition with a daughter, Ann Elizabeth, who is now a freshman at Indiana University.

Mrs. Eula McEwan (Ph. D. '18) states that she is enjoying her retirement but is still active in various social organizations connected with the University of Nebraska.

Granville D. Foley of Grand Junction, Colorado,

is geologist in charge of fluorspar mining for the Chesapeake and Colorado Uranium Corporation of Mesa, Colorado. His work keeps him in the field most of the time in various parts of Colorado, Arizona, Utah, and New Mexico.

Wayne Fowler, who works for the California Company at Mattoon, Illinois, paid Bloomington a visit in January when he acted as best man at the Larry Rooney-Rosalia Rey wedding.

Wes Williams is half-owner of the Flag Drilling Company of Greenville, Kentucky. They operate four cable tool rigs and have found, and more importantly own, several shallow wells. The Williams have two children, a son, Kelly, 3 years, and a daughter, Peggy, 6 months old.

Jack Warren has been sent by the Shell Company to their Exploration and Production Research Laboratory at Houston, Texas for geophysical training. He expects to return to the Louisiana swamps about May 20 to serve as seismologist with a seismic party. Better be careful, Jack, or you will get so much of that swamp water in your blood that you will never want to leave Louisiana.

Professor T. G. Perry lectured during the year at four Indiana colleges under the auspices of the Indiana Chapter of Sigma Xi and the Division of Adult Education. The title of his talk was "Dead Bugs in the Service of Man".

Phyllis Renzetti (Mrs. Bert), a candidate for the Ph. D. degree in paleontology, spent the summer of 1955 at our summer field station in Montana collecting material for her thesis on the Devonian Three Forks formation. Of all things, a thesis from Montana that is not on phosphate rock!

Dick Bowen, former graduate student at I. U., was a Fulbright grantee for study in Australia on the Permian glacial deposits in the vicinity of Melbourne.

If any of you alumni encounter a nondescript, unsightly hunk of rock that might be suspected of being an Ordovician or Devonian stromatoporoid, send it on to Dr. Galloway. It may be a new species.

The following story indicates that it is a small world after all. While walking down the main street of Oxford, England late in August of 1955 during a stop-off on his trip home from New Zealand, Professor Vitaliano was surprised to feel a gentle tug at his arm and a voice saying, "Dr. Vitaliano, I'm sure glad

to see you!". It was Alan Colville who was in Oxford on a two-weeks furlough from Baumholder, Germany where he is stationed as a radio operator for Uncle Sam. In short order, both Indiana University geologists met up with a third I. U. alumnus, Ross Taylor, who is presently in the Department of Geology at Oxford. The merry time had by all was culminated in an afternoon visit to the "Trout", a very delightful pub on the Cherwell River and dinner in the evening at one of Oxford's old inns.

Among our graduate students this year is Pei-Yuan Chen of Taipei, Taiwan, China. He has his B. S. degree from the National Sun-Yat-Sen University of China and after receiving this degree Mr. Chen works for the Geological Survey of Taiwan. He is now working toward his Ph. D. degree under Professor Murray on a problem in sedimentary petrology under a study grant from the government of Taiwan. His wife and two children remained in Taiwan.

Dr. Richard Boardman of the U. S. Geological Survey was on the campus from February 1 to May 1 studying stromatoporoids under the tutelage of Dr. Galloway. He will use the knowledge gained thereby to identify stromatoporoid material that is collected by geologists of the U. S. Geological Survey.

Alan Horowitz recently visited the U. S. National Museum, the American Museum of Natural History, and the Walker Museum to examine type specimens of species found in the Glen Dean (middle Chester) limestone of Indiana and northern Kentucky.

Professor T. G. Perry was elected Secretary of the Men's Faculty Club for 1956 for a second term in that office. He also acted as master of ceremonies for the annual Christmas part of the club.

At the biennial convention of Sigma Gamma Epsilon in New Orleans, December 3-7, 1955, Professor Esarey was elected Grand Vice-President for the eastern division. Several of our New Orleans alumni were present at the meetings. Ken Riggs, delegate from Rho chapter, made an excellent presentation of the chapter's activities despite the handicap of a previous luncheon with Harry Truman at Antoinettes.

Ed McKay has left Bell Brothers for the life of an independent geologist. He already has production from a Pennsylvanian channel sand deposit near Bridgeport, Illinois. Ed was a welcome visitor to the Department in February.

Victor Barua writes that he has three girls and is hoping that the next one will be a boy. Vic is prospecting for the Northern Peru Mining and Smelting Company and last spring was stationed at Tacna.

Charles and Esther Bajza now have four Texas Blondes besides a son in their family. Apparently no dull moments for them. Charley still teaches at Texas A. & I. College, but has itchy feet to see some mountains and hills again.

Walter B. Spangler, recently district geologist with Creole Company at Jusepin, Venezuela, has been placed in charge of exploration in Guatemala for Esso Standard. Wally shipped all his worldly goods by plane for Guatemala but unfortunately enroute the plane fell into the Gulf and everything was lost. As a consequence he and Mrs. Spangler have spent some time in the U. S. buying new clothes and furniture.

James T. Strange is located in Calgary, Alberta where he has worked for the past four years for Exploration Consultants, Inc. in Saskatchewan and Alberta. He is now party chief of a seismograph crew, married, and the father of two sons, ages 2 and 4.

Arch Addington, after serving six years as Chairman of the Geology and Geography Department of Fresno State College, Fresno, California, is relinquishing this position as of June 30. He will teach during the coming summer at Santa Barbara College.

Charles L. Starr is district manager for the Prudential Insurance at Richmond, Indiana.

Lowell Plock spent eight months (March to November, 1955) at Marathon, Florida in the Florida area doing geological work on a well being drilled in Florida Bay. This was the first offshore well drilled in Florida. It was drilled to a depth of 12,000 feet and was as dry as a professor's lecture of the day that vacation begins.

Rex E. Rader, who is located at Tulsa, Oklahoma, is Head of the Long Range Crude Supply Forecasting for Stanolind Oil Purchasing Company.

OWEN HALL

When you're up to your ears in heathen beers
or your neck in the deep bayou
When you radiate in the Lone Star State
Remember old I. U.

When you're far away where the pine trees sway
Or you stare at the tropic moon
When you start to sneeze in an arctic breeze
Recall the Commons at noon.

When it's hot and dry 'neath the desert sky
Or you're tossed in a heavy sea
Past the jungle rain and grassy plain
Think of coffee at half-past three.

When you're old at last and the field is past
And you rest and dream of it all
Though your mind be laden with an island maiden
Remember Owen Hall.

Chuck Reynolds

ALUMNI DIRECTORY

- Addington, Arch Rombaugh, (A. B. 22; A. M. 25),
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- Bundy, Wayne M. (A. B. 50; A. M. 54), Indiana
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- Carpenter, Gerald, (B. S. 50), 424 East Sixth Street
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- Carter, Devere, (A. B. 26), Magnolia Petroleum
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- Cavalcante, Jose Candido Marques, (A. B. 49),
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- Charlton, George Douglas, (A. B. 40), Anderson-
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- Chilcoate, Elmer Frederick, (A. B. 50), 4455
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- Crampton, Janet (Wert), (B. S. 55), 71 College
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- Crites, William Henry, (A. B. 50; A. M. 52),
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- Derner, George B., Lt., (A. B. 55), Co. A,
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