ing objects of Indian art and craft for 25 years.

**Article in Esquire**

The November issue of *Esquire* carried an article by Harold Keith, '29ba, director of sports publicity at the University, entitled "Pioneer of the Forward Pass."

In the article, Mr. Keith described the invention and use of the forward pass by Eddie Cochems, coach of St. Louis University, in the first decade of this century. Cochems also originated the modern system of pass defense and was the first coach to demonstrate that a strong running game is essential to forward passing.

Mr. Keith is the author of two books, *Boys' Life of Will Rogers*, and *Sports and Games*, a Junior Literary Guild selection in 1940.

**Frauchiger Returns**

Fritz Frauchiger, who has been on leave of absence in Washington, D. C., since November, 1943, returned to the University this fall to resume his position as associate professor of modern languages.

Dr. Frauchiger served as a linguist on the Board of Geographical Names in Washington. A graduate of the University of California at Los Angeles and the University of Chicago, he joined the University faculty in 1938. He has also studied in Germany and France. He and Mrs. Frauchiger have a three-year-old son.

**Homecoming Is November 11**

Alumni who are able, under travel restrictions, to attend O. U. Homecoming Day on November 11 will celebrate the homecoming of Alumni Secretary Ted M. Beard, major in the Air Corps, who returned to the campus in early October.

After more than two-years absence from O. U., Major Beard returned to his duties as executive secretary of the Alumni Association and manager of the Oklahoma Memorial Union, positions he held before entering service.

He was released from the Air Corps at Fort Sam Houston, Texas, following his transfer from the headquarters of the Spokane Air Service Command where he served as deputy chief of personnel and training division and control officer of the headquarters. Major Beard will be on terminal leave pending his final discharge later in November.

He, Mrs. Beard (Katheryn Haxel, '24) and their daughter Sally have moved back into their home in Norman.

T. R. Benedum, president of the Alumni Association, issued a special invitation to alumni in the Norman and Oklahoma City vicinity to attend Homecoming Day activities and welcome Major Beard back to the University.

Alumni farther off who are able to attend will also be most welcome, President Benedum stated, but the Alumni Association is not urging that they make the trip in these days of travel restrictions.

Homecoming Day activities will be simple again this year. Registration will begin at 9:00 a.m. in the Union Lobby and continue until time for the Sooner-Missouri football game in Owen Stadium at 2:00.

A meeting of the Executive Board of the association has been called for 10:00 a.m. on Homecoming morning, President Benedum announced. An openhouse for returning alumni will be held throughout the day in the Union Building and a reception in the Union Lounge has been scheduled after the football game.

**Good Neighbors Here**

Seventeen students from other countries are attending O. U. this semester, George E. Wadsack, registrar, announced recently.

They include Jose Alalu, Ricardo Miranda, Andres Rodriguez and Carlos Rubio, Peru; Berta Arrocha, Dora Arrocha, Genarina Arrocha, Victoria Arrocha and Simon Quiros, Panama.

Efrain Barberii, Jose Casanova, Julian Ferris, Alfredo Gamez, Manuel Iribarren and Julio Sosa, Venezuela, and Apolinar Solano, Colombia.

Students attending the University from Puerto Rico are Carmen Amador and Juan Amador. Sofia Zuniga and Yolanda Rueda are enrolled from Mexico.

Enrique Chipoco, '43eng, will return to Peru sometime this month after receiving his master's degree in engineering.
Sixteen paintings by O. B. Jacobson, director of the School of Art, were on display in the Art Building during the first two weeks in October. The exhibition included western landscapes done by Professor Jacobson during July and August at a retreat in the Rocky Mountains of northern Colorado. The paintings were produced from sketches taken while traveling in Wyoming, Utah, Arizona and New Mexico during the summer.

Erma Bickett, assistant to the dean of the Graduate College and a member of the University staff since 1932, has resigned to become secretary to Homer L. Dodge, president of Norwich University, Northfield, Vermont. Miss Bickett was assistant to Dr. Dodge, former dean of the Graduate College, for several years before he took a leave of absence in 1942 to accept a position in Washington, D. C. Recently Dr. Dodge resigned to become president of Norwich. Alberta McCann, secretary of the department of history, will succeed Miss Bickett as assistant in the Graduate College office.

Announcement was made of the engagement of Miss Ina L. Griffith, assistant professor of pharmacy, to Joseph Brundidge Black, Cyril. The wedding was set for mid-November. Miss Griffith, a member of the University faculty for 15 years, has worked toward a Ph.D. degree at Purdue University, Lafayette, Indiana. She is affiliated with various pharmaceutical and scientific organizations, including Sigma Xi honorary research society, of which she is an associate member. Mr. Black attended Central State College, Edmond, and received his bachelor's degree from Southwestern Institute of Technology at Weatherford. He has been in the drug business for the last 20 years and recently has retired.

Pfc. Truman Powney, assistant professor of journalism on leave for military service, was last reported in Normandy working with civilians who have claims against the Allied armies. Captain Hill spent several years in France as a voice student and was assigned to his present duty because of his knowledge of the French language.

Aunt Keith, O. U.'s prolific sports writer, is author of an article in the November issue of Esquire.

Pvt. Leslie H. Rice, journalism professor on leave for military service, has been designated feature editor for Sage, magazine of an Army Air Force unit at Norman Quartermaster Depot near San Antonio, Texas.

Lt. Herschel G. Elarth, associate professor of architecture on leave, was one of the first four American soldiers to enter Versailles with the Army, according to word received by friends at the University.

Dr. Paul B. Sears, professor of botany at Oberlin College, Oberlin, Ohio, lectured there at the first autumn meeting of Sigma Xi honorary research society held October 23. Before the lecture Dr. Sears was honored at a dinner given at the Oberlin Faculty Club. Former botany professor at O. U., he is the author of the best-seller Deserts on the March.

Charles Elson, former University drama professor now in New York City, has been working under the Navy Department in the development of training aids devices. Mrs. Elson, under the name of Diana Rivers, has been appearing in the Broadway production of Chicken Every Sunday, a comedy about boarding house life in Tucson.

Helen H. Hamill, assistant professor of home economics, was one of a committee of three Oklahoma home economists appointed to work out a manual of directions for food preservation, including canning, drying and freezing. This manual will be used by home economics teachers, home demonstration agents and others who have to do with food preservation.

Science at Work

War is rapidly diminishing the oil supply of the United States, necessitating an intensive search for new fields. In this search fossils rank among the scientists' greatest aids.

Fossils are evidence of ancient life. If like fossils occur in widely separated rocks, it follows that the rocks are the same age. This is known as correlation. Since rock formations are laid down in chronological order and the evolution of a species of plant or animal can be traced through fossils, the relative age of a formation may be determined.

New regions can be dated by comparing their fossils with those of a district of a known age. Oil is more likely to be found in rock formations of certain ages than in others; therefore, companies save thousands of dollars by drilling only in rock formations whose age indicates a definite possibility of oil.

To be valuable in correlation, the fossil represented must have had a relatively short time range and been widely distributed. Graptolites fill these particular requisites admirably. Coming from the Greek words, graptos, written, plus likos, rock, graptolites were marine organisms which attained world-wide distribution during the upper Cambrian, Ordovician, Silurian, Devonian and early Mississippian periods of geologic history. That means they floated around in the seas more than 320 million years ago.

They aren't very significant looking fossils. At first glance, they might be careless pencil-marks left on rocks by prehistoric doodlers. They range from a fraction of an inch to four or five inches in length.

With the aid of a tailor-made microscope manufactured in England however, Dr. Charles E. Decker, O. U. research professor in geology, has become an international authority on graptolites. He is in constant communication with paleontologists of many countries, including Great Britain, Australia, China, and before the war, several European nations.

It is largely through Dr. Decker's efforts that Sylvan shale, a rock outcropping in Oklahoma's Arbuckle Mountains, was credited to an earlier geological period. For years, geologists had placed the Sylvan shale in the Silurian period. The presence of certain graptolites indicated that it was laid down in the upper Ordovician, and as such it is known today.

To illustrate the value of graptolites to geologists, Dr. Decker tells of a section of China under investigation. All the fossils discovered were new genera; there-

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