SURVEY FOR MINERALS BEGAN HERE MARCH 7  CARROLL CO.

Mar. 9, 1938

A new state-wide mineral survey to be made by the Work Progress Administration thru the sponsorship of the Arkansas Geological Survey will be started in 31 counties today, Floyd Sharp, state WPA administrator said.

Headquarters for the project, said to be one of the largest white collar projects ever undertaken by the WPA will be at 117 Victory street.

Robert C. Beckstrom will be supervisor.

Purpose of the project is to "locate, measure, estimate, and describe; test and map the accessible resources of the state such as construction materials, minerals, and water tables for use in determining their adaptability for economic use of the state."

A total of 450 workers will be employed in the 31 counties.

The work will be extended to include 55 counties later, Mr. Sharp said.

Total employment in all the counties will be 800 with approximately 15 workers for each county.

Supervisors for the counties were selected by Mr. Sharp with the cooperation of Kenneth O. Warner, state personnel director and Dr. George C. Braner, state geologist.

A two week school was conducted and persons with the highest grades were selected, Mr. Sharp said.

Additional supervisors in the counties to be included later will be selected from applicants with a "preferred" application.

Arkansas Gazette.

Summers Little, former resident of Eureka Springs but recently of Little Rock has been appointed supervisor for Carroll county.

MINERAL SURVEY OF THIS COUNTY HAS COMMENCED

CARROLL CO.

"Echo" -4-25-38

Persons Knowing of Meteorites Within the County Are Requested to Report

Actual field work was commenced Monday on the State Geological Survey sponsored state mineral survey for Carroll county.

The work was started only after a thorough school for personnel was conducted in the county court house here.

The survey is comprehensive and thoroughly worthwhile in that it will ultimately map the entire county section in section. Mineral deposits in commercial quantities will be given particular attention in conjunction with the formal mapping of the cultural effects of the county.

Mr. Little says he is interested in contacting parties having unusual or interesting mineral deposits on their property. He has also requested persons knowing of meteorites within the county to contact his office at the Harmony Playground.

Mr. Little reports splendid cooperation on the part of county officials, Chamber of Commerce and civic groups.

Special credit is given County Judge Cleat Grigg and the county for the contribution of transportation facilities for field personnel and the Women's Club of Eureka Springs for the contribution of office space in the office of the Harmony Playground.

A cordial invitation is extended to the people of Carroll county to visit the office of the State Mineral Survey for Carroll county.
Carroll County Mineral Survey Well Underway

WPA Crews Find Large Quantities of Sandstone in Ozarks.

A mineral survey in Carroll county is two-thirds complete and a wide variety of minerals have been located during the past 19 months since the work was started in this county as a part of a state-wide WPA project carried on under the direction of Dr. George C. Brueger, state geologist, and sponsored by the state geological survey, it was announced yesterday.

The project includes tabulation of data on water sources, caves, railroads, highways, power lines, bridges and dams, Charles S. Little, county supervisor and Mr. Little has headquarters in Eureka Springs.

Of the 641 square miles in the county, the WPA survey crews have checked 242 square miles.

Minerals which have been located and mapped thus far, in commercial quantities are limestone, sandstone, dolomite and road materials. Members of the survey also report small deposits of garnet, iron pyrites, Mexican onyx and clays. Of the 300 samples of specimens submitted to the Little Rock office, 179 have been identified and classified.

Limestone has been located in large quantities in the northeastern part of the county. Crushed limestone is valuable as a fertilizing agent. Estimates of the survey indicate that millions of tons of this fertilizer are present in Carroll county and much of it is easily accessible by highway. Six crushers are now in operation in Carroll county.

Sandstone is found in the sections adjacent to those in which limestone is found in the northern part of the county. The St. Peter sandstone, which is a high purity silica sandstone used as a supply of glass sand, is present in very large quantities.

Much Sandstone Found.

Dolomite is a magnesium limestone used principally for building and road construction; it is also used in the manufacture of rock wool. A single deposit of dolomite two miles south of Eureka Springs is 20 feet thick and estimated to contain 1,000,000 cubic yards. It is found in thickness ranging to 100 feet.

Carroll county has an abundance of road making material in the sandstone, gravel and clay gravel found in many sections.

The water wells and springs of Carroll county are receiving particular attention by the survey. The workers record on their field sheets every well, spring, stream, creek and branch in every section. So far the crew has investigated 556 wells and 136 springs, including municipal water supply systems.

This survey also records the location of all highways, county roads, improved and unimproved, and the trails made by CCC. All power transmission lines have been mapped. This information will be used in correcting county maps now in use.

On the completion of the work, all samples, field notes and records taken by the field workers in Carroll county will become the property of the Geological Survey. H. E. Beckstrom is the state supervisor for Works Progress Administration and R. E. Vanduff is the technical supervisor of the state-wide projects.
Mineral Survey Maps Location of Many Deposits and Resources in County

For the last ten months, a mineral survey has been in progress in Carroll county. This is a part of a statewide WPA project sponsored by the State Geological Survey in these counties known to have valuable mineral deposits. Besides minerals, the survey includes the surface and ground waters, caves, railroads, highways, electric power transmission lines, bridges, dams and all other natural features—those improvements made by man. The county supervisor is Charles S. Little, whose headquarters are at the Harmon Playground, Eureka Springs.

The entire 441 square miles of Carroll county's area will be examined during the course of the work. Of this area 422 square miles have been covered. Minerals which have been located and mapped thus far, in commercial quantities, are limestones, sandstone, dolomite, and road materials. Members of the survey also report small quantities of galena, iron pyrites, Mexican onyx, and clays. Of the 200 samples of specimens submitted to the Little Rock office, 178 have been identified and classified. The mineral survey has been engaged in accurately locating and mapping all deposits, evaluating the extent of such deposits and of taking samples for analyzing at the laboratory in Little Rock in order that the value and use of the material may be determined.

Limestone has been located in virtually inexhaustible quantities in the northwestern part of the county. It occurs in shades of pink, red, wearing shades of gray, gray-brown, and blue. Besides its value as a building material, crushed limestone is valuable as a fertilizing agent. Plant growth is retarded in soil having acid condition; this is neutralized when lime is added to the soil. Lime penetrates soil more rapidly. The survey indicates that millions of tons of this fertilizer are present in Carroll county and much of it is easily accessible by highway. The mineral survey has aided the Soil Conservation Service in indicating the deposits, their nearness to roads and the logical points at which lime crushers could be built. Six crushers are now in operation in Carroll county.

Sandstone is found in quarries adjacent to those in which limestone is found in the northern part of the county. The St. Peter sandstone, which is a high purity silica sandstone useful as a supply of glass sand, is present in very large quantities.

Dolomite is a magnesium limestone used principally for building and road construction; it is also used in the manufacture of rock wool. A single deposit two miles south of Eureka Springs is 20 feet thick and estimated to contain 1,000,000 cubic yards. It is found in thickness ranging to 100 feet.

Carroll county has an abundance of road making material in the sand, river gravel, clay gravel, and chalk found in many sections provided space at the Harmon Playground for this purpose. The Chamber of Commerce, city officials and various civic organizations have lent valued assistance in supplying utilities, office equipment, heat, etc. Superintendent R. L. Smith and Principal M. C. McCall of the high school donated the use of their geographical records of Northwest Arkansas for the benefit of the survey.

The city of Eureka, with a population of 1,000, has a water supply from Johnson Spring, five and one-half miles south of the town. The daily consumption of 30,000 gallons is from two reservoirs, of 100,000 gallons and 225,000 gallons respectively. No wells are used in treating this water for city use, as it is naturally soft. Records of the survey show that many wells and springs are used by private families in Eureka and vicinity.

This survey also records the true location of all highways, county roads improved and unpaved, and the trails made by CCC. Notes have been made on the location of all bench marks, witness trees, and location monuments. All power transmission lines have been mapped. This information will be used in correcting county maps now in use. At the beginning of the work of the project in Carroll county, Mr. Little appealed through the newspapers of Eureka Springs for cooperation of the citizens by furnishing means of transportation and facilities for doing field work, and for assistance in locating mineral deposits. County Judge C. D. Gregg furnished transportation and for a time gave space in the court house for office headquarters. Later the Woman's Club of Eureka Springs...