SURVEY FOR MINERALS BEGAN HERE MARCH 7 Carroll Co. Carroll Personal Appeal "Daily Times Echo3-16-Mar. 9, 1958

A new state-wide sas Geological Survey will be started in 31 counties today, Floyd Sharp, state W P A adThis survey will at a very ministrator said.

ject, said to be one of be at 117 Victory street.

Robert C. Beckstrom will be onomic use. supervisor

"locate, measure estimate, and be disregarded. describe; test and map the ac- It can become a project cessible resources of the state marvelous benefit to you use in determining their adap- your responsibility to the state.

A total of 450workers will be employed in the 31 coun- vey is financed

The work will be extended to mediately arises the need include 55 counties later, Mr. certain "contributions' 'as pro Sharp said.

counties will be600 with approx that these contributions will be mately 15 county.

the cooperation of Kenneth O valuable survey. Warner, state personnel director and Dr. George C. Bran- are listed as follows: ner, state geologist.

A two week school was con- for field personnel. ducted and persons with the highest grades were selected. (Eureka Springs) This is a ma Mr. Sharp said.

counties to be included later located in the court house. will be selected from applicants with a "preferred" application. -Arkansas Gazette.

Summers Little, former resident of Eureka Springs but recently of LittleRock has been appointed supervisor for Car- eral survey of Carroll county roll county.

Editor Daily Times-Echo:1938

I take this means of making mineral a personal appeal to the citizsurvey to be made by the Work ens of Eureka Springs in the Progress Administration thru matter of certain specific cothe sponsorship of the Arkan- operation as concerns with the

early date commence the busi-Headquarters for the pro- ness of locating measuring, esthe timating, describing, testing largest white collarprojects ev- and mapping accessible resour er undertaken by the WPA will ces in Carroll county to determine their adaptability for ec-

The distinct value of such a Purpose of the project is to comprehensive survey is not to

such as construction materials you cooperate and accept the minerals, and water tables for project of yours and part of tability for economic use of the velopment of Carroll county and the state of Arkansas.

Now, the state mineral surby W P. A. funds and as such, there vided by the WPA regulations. Total employment in all the I want to emphasize the fact workers for each charged off as cash and are, by and large, one of the most im-Supervisors for the counties portant responsibilities incurr were selected by Mr. Sharp with ed in the securing of this most

The contributions in general

Transportation and facilties

Office space and fixtures jor contribution item and can-Additional suprvisors in the not be charged off as cash if

> Utilities: Light and heat. Typewriter: I will contribute this item

Tools: Ax, pick, etc.

Such other items as would be incidental to this survey as maps, laboratory, facilities etc.

The office of the state Minis temporarily located in court room of the court house. Eureka Springs, through the courtesy of Mr. Cleat Grigg. the county judge.

May I urge you to respond to this appeal by calling by the office and enlisting your cooperation

Charles S. Little, Supervisor, State Mineral Survey for Carroll county.

Persons Knowing of Meteorites Within the County Are Requested to Report

Actual field work wos com- here. menced Monday on the State Geological Survey sponsored state mineral survey is comprehensive and thoroughly worthwhile in that state mineral survey for Carroll county.

after a thorough personnel was conducted in the tion with the formal mapping of county court house here.

The survey is comprehensive in contacting parties having un and thoroughly worthwhile in usual or interesting mineral de-that it will ultimately map the posits on their property. He has entirety of Carroll county sec also requested persons knowing tion by section. tion by section.

Mineral deposits in commer-cial quantities will be given He reports splendid co-opera particular attention in junction with the formal map-city officials, the Chamber of

ty supervisor for the state min facilities for field personnel and eral survey is interested in contacting parties having unsual or intersting mineral deposits on their property. their property.

within the county to contact Mineral Survey for Carroll counhis office at the Harmon play- ty. ground.

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

Special credit is given County Judge Cleat Grigg and the county for the contribution of transportation facilities for the field personnel and to the Eureka Womans Club of Springs for the contribution of office space in the office of the Harmon Playground.

A cordial invitation is tended to the people of Carroll county to visit the office of the state Mineral Survey for Carroll county.

SURVEY STARTED MONDAY
According to Summers Little Carroll county supervisor for the State Mineral Survey, actual field work was commenced Monday on the state geological survey spon-

Courier" Carroll Co-

soring the mineral survey spon-soring the mineral survey for Carroll county. The work was started only after a thorough school for personnel was conducted in the county court house

ate mineral survey for Car-ll county.

The work was started only mercial quantities will be given school for particular attention in conjuncthe cultural effects of the county.
Mr. Little says he is interested

contact his office at the Harmon

con- tion on the part of county officials ping of the cultural effects of the county.

Summers Little, Carroll coun Summers Little, Carroll coun the contribution of transportation

Mr. Little has also requested persons knowing of meteorites within the county to contact.

A cordial invitation is extended to the people of Carroll county to visit the office of the State

ological Survey reports splendid progress in its work in the county.

Since March 1st a total of WPA Crews Find Large 200 square miles have been inventoried by the mineral sur-

Since Carroll county occurs geologically in the ordovician, devonian and Mississippian sys tems particular effort is being given to a comprehensive cat-alogue of limestones.

This information is so mapped, described, estimated, sampled and tested as to give inter ested parties in the future concise picture of Carroll county's

ested parties in the future concise picture of Carroll county's most valuable Geologic resource together with facilities and accessability.

The limestone of this county are utilizable as raw and burnt lime fertilizers, building stone, as a flux in smelting iron and steel in the manufacture of high magnesian lime, as crushed stone and many others.

There is an abundance of highway building material such as Chert, river and clay gravel in this county.

Deposits of Calcitic Onyx,Ga lena, Spearite, Chalcopyrite and iron pyrites occur here.

As to the use of the limestones of this area for agricultural purposes a quotation from "Outlines of Mineral Arkansas Resources" is explanatory "Lack of Comprehensive surveys and development work make it impossible even to approximate the extent of Arkansas resources in the matter of minerals suitable for fertiliz er.

It is definitely known however, that in variety, (quality and quantity these minerals are of great potential value, perhaps exceeded only by petroleum, coal and Bauxite.

It is expected that some months yet will be required in the completion of this mineral survey.

The limestone of this county.

The limestone and many others are now and construction in the contribution of the server was a survey and evelopment work make it impossible even to approximate the extent of Arkansas resources in the matter of minerals suitable for fertiliz er.

The serve exceeded only by petroleum, coal and Bauxite.

In the northern part of the state large areas of limestone and dolomite (manesian limestone) await development.

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the completion of this mineral survey.

State Geological Survey Carroll Co. 3/15/38 The State Mineral Survey for Carroll county under the sponsorship of the State Geoological Survey reports splen WellUnderway

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 10 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. Branner, 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 transmission lines, bridges and dams, Charles S. Little, county supervisor said. Mr. Little has headquarters in Eureka Springs.

in correcting to any maps of use.

On the completion of the work, all samples, field sheets and records taken by the field workers in Carroll county will become the property to the Geological Survey. Robert C. Beckstrom is the state supervisor for Works Progress Administration and R. E. Vandruff is the technical supervisor of the state wide projects.

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Mineral Survey Maps Location of Many Deposits and Resources in County

eral survey has been in progress Highway No. 21, two miles north in Carroll county. This is a part of Oak Grove is a deposit of hard, of a statewide WPA project spon-blue, broken chert containing sored by the State Geological Sur- 1,370,000 cubic yards; two miles vey in thise counties known to south of Grandview, near the have valuable mineral deposits. North Arkansas Railroad is a Besides minerals the survey in- gravel deposit containing 2,000,cludes the surface and ground 000 cubic yards. In Township 20 waters, caves, railroads, highways, N. Range 25 W. (four miles southelectric power transmission lines, east of Eureka Springs), a debridges, dams and all other cultur- posit of clay gravel 30 feet thick al features—those improvements has been located and mapped. made by man. The county super- The water wells and springs of headquarters are at the Harmon tircular attention by the survey.

Carroll county's area will be ex- spring, stream, creek and branch amined during the course of the in every section, with its name, work. Of this area 422 square when known, and its present or miles have been covered.

commercial quantities are lime- water supply systems. stone, sandstone, dolomite and In Carroll county the water suproad materials. Members of the ply for domestic use is from three survey also report small quanti- sources: wells, springs and cisties of galena, iron pyrites, Mex-terns. In the northern and ican onyx and clays. Of the 206 northwestern sections-according have been identified and classi- in both springs and wells is

crushed limestone is valuable as 50,800 gallons.
a fertilizing agent. Plant growtl The city of Berryville, with a ness to roads and the logical lies in Berryville and vicinity.

tions adjacent to those in which CCC. Notes have been made on sas for the benefit of the surlimestone is found in the northern the location of all bench marks, vey.

part of the county. The St. Peter witness trees and location monuvery large quantities.

Dolomite is a magnesia limestone used principally for building of the project in Carroll county, organized and compiled under the and road construction: it is also Mr. Little appealed through the direction of George C. Branner, used in the manufacture of rock newspapers of Eureka Springs for State Geologist, to be published mite two miles south of Eureka nishing means of transportation available for those interested. Springs is 20 feet thick and esti- and facilities for doing field The state offices of the Mineral yards. It is found in thickness ing mineral deposits. County street, Little Rock. Robert C. ranging to 100 feet.

dance of road making material in space in the court house for of-the sand, river gravel, clay gravel fice headquarters. Later the Technical Supervisor of the Pro-

For the last ten months a min- by the mineral survey. Near

visor is Charles S. Little, whose Carroll county are receiving par-Playground, Eureka Springs. The workers accurately record The entire 641 square miles of on their field sheets every well, potential use. So far the crew Minerals which have been lo- has investigated 526 wells and cated and mapped thus far, in 136 springs, including municipal

samples of specimens submitted to the survey reports-due to the to the Little Rock office, 179 limestone formation—the water fied. The minteral survey has hard. Because of this quality in been engaged in accurately locat- the water many families use raining and mapping all deposits, es- water cisterns. The wells, for timating the extent of such de- the most part, are drilled, the posits and of taking samples for depth ranging between 25 feet analyzing at the laboratory in Little Rock in order that the Green Forest the wells are dug, value and use of the material may the depth varying between 11 feet and 60 feet. Occasionally a Limestone has been located in well is found to have soft water, virtually inexhaustible quantities but cisterns are numerous in this in the northwestern part of the locality. The 1,700-foot well in county. It occurs in shades of the town of Green Forest has a pink, red, carying shades of gray, capacity of 45,000 gallons daily gray-brown and blue. Besides its for the population of 817; the resvalue as a building material, ervoir has a storage capacity of

is retarded in soil having acid population of 1,200, has a water condition; this is neutralized supply from Johnson Spring, five when lime is added to the soil and one-half miles south of the If burned, lime penetrates soil town. The daily consumption of more rapidly. Estimates of the 50,000 gallons is from two resersurvey indicate that millions of voirs, of 100,000 gallons and 325,tons of this fertilizer are present ooo gallons respectively. No emprovided space at the Harmon in Carroll county and much of icals are used in treating this it is easily accessible by highway. water for city use, as it is natur- Chambber of Commerce,, city of-The mineral survey has aided the ally soft. Records of the sur-ficials and various civic organiza-Soil Conservation Service in in- vey show that many wells and tions have lent valued assistance dicating the deposits, their near-springs are used by private fami- in supplying utilities, office equip-

could be built. Six crushers are true location of all highways, McCall of the high school have now in operation in Carroll county. county roads improved and unim-donated the use of their geograph-Sandstone is found in the sec- proved, and the trails made by ical records of Northwest Arkansandstone, which is a high purity ments. All power transmission all samples, field sheets and recsilica sandstone useful as a sup- lines have been mapped. This in- ords taken by the filed workers ply of glass sand, is present in formation will be used in cor- in Carroll county will become the

and chert found in many sections Woman's Club of Eureka Springs ject.

ment, heat, etc. Superintendent points at which lime crushers This survey also records the R. L. Smith and Principal M. E.

recting county maps now in use. property of the State Geological

At the beginning of the work Survey. This information will be wool. A single deposit of dolo- cooperation of the citizens by fur- as a County Report and made

mated to contain 1,000,000 cubic work, and for assistance in locat- Survey are at 117 North Victory Judge C. D. Gregg furnished trans- Beckstrom is the State Supervisor Carroll county has an abun- portation and for a time gave for Works Progress Administra-