

Gazette 8-17-37
Arkansas was allotted \$9,000 of \$300,000 allocated to the Geological Survey for continuation of topographic survey work in 13 states.

Field Work Completed On Mapping Project

Gazette 10-10-37

The state Geological Survey has completed field work on the topographic quadrangle embracing 250 square miles immediately east of what is known as the Little Rock quadrangle, Dr. George C. Branner, state geologist, said yesterday. The area is the last unmapped quadrangle in a strip approximately 18 miles wide extending from the Mississippi river to the Oklahoma boundary.

Dr. Branner said the work had been accepted for publication in map form by the United States Geological Survey.

The survey was started last November under the state Geological Survey's supervision with a crew of field and office workers supplied by the Works Progress Administration. Final publication of the map will be on a scale of one mile to the inch.

A total of 126 topographic quadrangles have been completed in the state, Dr. Branner said. All are on file at the state Geological Survey office.

Dr. Branner Seeks Geological Funds

Democrat 10-23-37

Dr. George C. Branner, state geologist, will leave today for Washington to ask the United States Geological Survey for an increase in allotment of federal funds for Arkansas for topographic mapping work.

Making the trip at the suggestion of Governor Bailey, Dr. Branner said he would present his request to the Geological Survey of the Department of Interior. The department soon will submit its proposed budget to the congressional sub-committees on appropriations.

Commenting on topographic mapping work in the state, Dr. Branner said one-fourth of the state is entirely unmapped and over 40 per cent is inadequately mapped. At the present time, he said, the United States Geological Survey is mapping one quadrangle in the state. He said such maps are badly needed in the state's oil field area and in the western gas fields.

Branner Will Seek Federal Aid For Mapping Work

Gazette 10-24-37

Dr. George C. Branner, state geologist, will leave today for Washington to confer with officials of the United States Geological Survey regarding an increased allocation of federal funds to Arkansas for topographic mapping. He will be gone about a week.

Dr. Branner said that a bill, approved by Secretary of Interior Ickes, would be presented to the special session of Congress next month, calling for an appropriation of \$4,000,000 for mapping activities in the country. The only mapping now being done by the United States Geological Survey in the state is the mapping of the 250-square mile Benton quadrangle west of Little Rock. Work on this is nearing completion.

Democrat 10-27-37 Engineers Make

Topographic Survey

Lonoke—The U. S. Geological Survey with the co-operation of the Arkansas Geological Survey, has started work on the topographic mapping of the Lonoke quadrangle. This is a 15-minute quadrangle which covers an area of approximately 250 square miles from about three miles south of Lonoke to Ward in the northern part of county, and from Meto to Carlisle. It will take about eight months to complete the work.

J. K. Cowger, topographic engineer, is in charge of the field work for the federal department, assisted by Leonard Powell. These maps will have a large number of uses, and are constantly used by all industrial organizations as well as highway departments and drainage districts.

Branner Hopeful of Funds For Mapping Work

Gazette 11-7-37

George C. Branner, state geologist, said upon his return from Washington yesterday that Arkansas would be "sitting in a front row seat" if the regular Congress convening in January accepts a recommendation by Secretary of Interior Harold A. Ickes for a \$5,000,000 appropriation for mapping work in the United States.

Mr. Branner conferred with W. C. Mendenhall, director of the United States Geological Survey, and other officials in Washington the past two weeks on plans for the state to receive a part of the work. He estimated that about 95,000 square miles in the United States could be mapped with the \$5,000,000 expected to be appropriated. The work would be the first in a 20-year

program designed to cover the 2,216,000 square miles in the country remaining unmapped.

Mr. Branner obtained estimates from the geological survey of the amounts which would be required to complete topographic, horizontal and vertical control mapping in the state. He estimated that about \$2,019,000 would be required for topographic mapping of the 14,068 square miles in the state which remain unmapped.

11-12-37 Capitol News

George C. Branner, state geologist, believes the State of Arkansas will be in a position to finish up the mapping of Arkansas "if the regular Congress convening in January accepts a recommendation by Secretary of Interior, Harold A. Ickes for a \$6,000,000 appropriation for mapping work over the United States."

2-15- Fifty Years Ago, 38

(Arkansas Gazette, February 15, 1888.)

The accurate line of levels undertaken by the United States Coast Survey at the request of Dr. J. C. Branner, state geologist, to connect Little Rock and points along the road to Pine Bluff with the mean tide level of the Gulf of Mexico was completed in this city Saturday. The work has been in charge of Dr. John E. McGrath. A stone pillar for a permanent bench-mark here has been set up in the statehouse yard, just west of the main entrance. Another permanent mark is upon the stone cap of the southeast cellar window of the federal building. The elevations of points in the state along this line will be communicated to the state geologist in a few days.

The Board of Trustees of Arkansas Industrial University will hold a meeting here February 23 to consider its action under the Hatch agricultural experiment station bill. This measure appropriates \$15,000 per annum for each state for the purpose of conducting an agricultural experiment station. If the state fails to use all the money, what is left is returned to the United States Treasury and the next year's appropriation is reduced to the amount expended. The work will all be done under the supervision of the superintendent of the agricultural department of the university. It will probably necessitate the employment of an entomologist, veterinarian and horticulturist.

Gazette 2-15-38

State Geologist George C. Branner said yesterday before leaving for Washington he would suggest to the Association of American State Geologists at its convention in the national capitol later this week that permanent maps be made of areas along federal aid highways in connection with road building projects. He said thousands of sections of unmapped areas of the country could be mapped adequately through this procedure.

Topographic Mapping Financing Plan Discussed

7-28-38

C. L. Sadler, district engineer for the United States Geological Survey, conferred yesterday with George C. Branner, state geologist, concerning a co-operative financing program in which the England and Lonoke topographic mapping quadrangles might be completed and published.

Mr. Branner said approximately \$1,000 would be required to complete the work. The quadrangles include 500 square miles of map work. Needed for completion are about 45 square miles of mapping, inking, lithographing and publication of the maps.

Mr. Branner said he hoped to have the England quadrangle published within about six weeks, and the field work on the Lonoke sheet completed by the end of October. The field work is done in co-operation with the WPA, with non-relief engineers in charge.

Two Arkansas Quadrangles Will Be Mapped

July 22-38

Chief Topographic Engineer J. G. Stack of the United States Geological Survey notified George C. Branner, state geologist, yesterday that the federal survey is preparing to complete topographic maps of two Arkansas quadrangles, one of which never has been mapped.

The sheets would be known as the "Antoine"—comprising most of Clark county and part of Hot Spring and Pike counties—which has never been mapped, and the "Marshall" sheet—comprising sections of Searcy, Van Buren and Pope counties.

The work will be done with federal funds entirely. Contour intervals of 20 feet will be used. Mr. Stack requested that data from all control work done by the Arkansas Geological Survey be forwarded to his office.

Maps of Lonoke County Area Ready for Distribution.

Gazette 11-18-39
Detailed topographic maps of a 250-square-mile section of Arkansas hitherto unmapped have been prepared and are ready for distribution, George C. Branner, state geologist, disclosed yesterday.

The quadrangle, known as the "England" sheet, has been inked and projected by the United States Geological Survey at Washington. Lithographing of the quadrangle will be completed later.

Basic data for the work was compiled by Geological Survey topographers and WPA engineers and workmen. The topography is shown in five-foot contours.

Dr. Branner said work had been completed on the Lonoke quadrangle, immediately north of the England sheet, and that copies of the map would be ready for distribution soon. Sibley Ward of Little Rock is supervisor of the work.

Unmapped Area Reduced To 26 Per Cent

Gazette 4-18-39

A topographic survey of the England Quadrangle, reducing the unmapped area of the state to 26 per cent, was completed as a WPA project sponsored by the Arkansas Geological Survey yesterday.

Copies of the survey are ready for distribution, Dr. George C. Branner, state geologist, said after accepting the work compiled by WPA engineers under direction of Sibley Ward. The map shows the location of rivers, highways, railroads, levees, houses and elevations.

Completion of the project cut the state's unmapped lands to 13,842 square miles, Dr. Branner said. The remaining topography will be charted if funds are made available, he said.

Topographical Maps of Camp Neighborhood Released

Gazette 12-4-40

Topographical maps of Cabot Quadrangles Nos. 1 and 2, and of Levy Nos. 1 and 2, all of which are in the Camp Joseph T. Robinson neighborhood, will be the next issues completed by the Work Projects Administration's state Geodetic Survey sponsored by the Arkansas Geological Survey, Dr. G. C. Branner, state geologist, said yesterday.

Quadrangle maps are valuable in military areas, preparing drainage projects, laying ownership maps, and in mineral, wildlife, recreation, road and utility line surveys.

Approximately 19,000 square miles or 35 per cent of the state's area, is "adequately mapped," Dr. Branner said; 20,500 square miles, or 38 per cent, inadequately mapped; 12,800 square miles, or 25 per cent, not mapped.

Lonoke Quadrangle Mapped

A map of the Lonoke Quadrangle, embracing 200 square miles, was released this week. The town of Austin is in northwest corner, Carlisle in the southeast corner, and Lonoke, county seat of Lonoke county, near the southern boundary. Copies are available at 10 cents each.

Engraving was by the United States Geological Survey and the state Geologist's Department. Two U. S. Geological Survey men are assigned to the project, the state paying half their salaries. Sibley Ward is supervisor of the geodetic survey project.