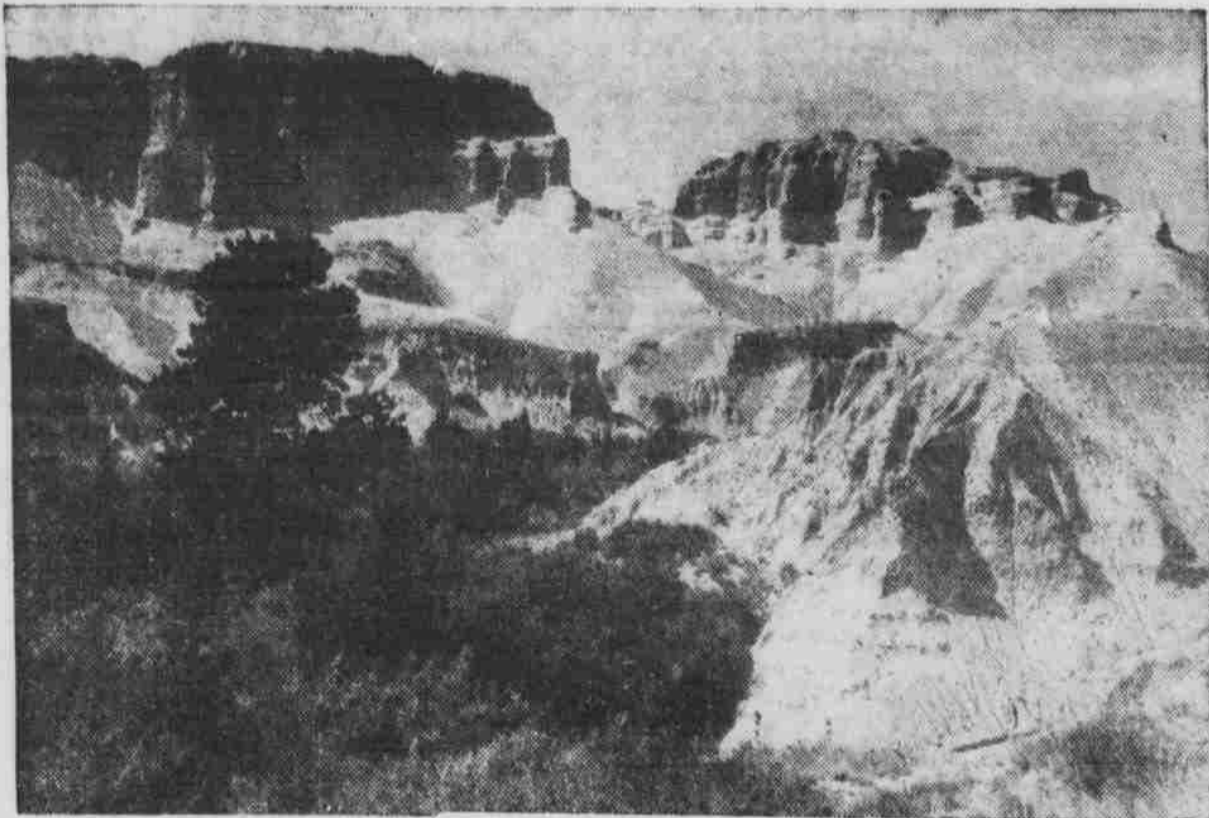


# THE NEBRASKAN

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## University geologists search for fossils in Nebraska fields



The badlands of northwestern Nebraska, where most of the fossil sites are located are picturesque, but university excavation parties find them hot under the summer sun.

When they work on the giant camel quarry, the men use pick and shovels to break up the ground. The team pulls a scrapey to remove the overburden of clay and sand. However, much of the work is delicate and dental tweezers and knives are often employed.

In 1891 Dr. E. H. Barbour, director of the state museum, lead the first field party of the museum out into the western part of the state where in subsequent years some of the greatest fossil quarries in the world have been discovered.

This year seven field parties will mark the 50th year of such expeditions in leaving to spend the summer uncovering valuable fossils for shipment back to the university museum's now world-famous collection housed in Morrill hall. Dr. C. Bertrand Schultz, assistant director of the museum, is in charge of field explorations now, but although Dr. Barbour no longer accompanies the parties, he follows their work with active interest from the Lincoln campus.

### First Trips.

Most of the members of the field parties are geology students, many of whom become interested in the work from finding fossils around their home localities, since Nebraska is one of the chief centers for fossil collecting in the world. This year many of these students are making their first trips since the national defense program has taken many veterans of former years for military service.

Heading a party which will work around Hay Springs, Gordon, and Mullen will be E. L. Blue of Lincoln. In his group will be Gilbert Rogers, Donald Morris, Floyd Morris, Coleman Furr, John Burt, and William Green, all of Lincoln. Among the fossils to be excavated in this area will be those of the mammoth and giant beaver.

Loren Toohey of Alliance heads a party to operate around Hemingford and Alliance where camel and rhinoceros beds are found. Robert Hackman of Omaha and Weldon Frankforter of Tobias will assist him.

Working in the region of Marsland will be Guy Johnson of Hemingford whose party includes Ted Libershall of Plattsmouth and James Griffith of Omaha. The oreodonts, deer, carnivores, and peccaries are represented among fossils of this area.

### Giant Camels.

The Broadwater-Oshkosh region will attract a group supervised by Lloyd Tanner of Mascot and working in co-operation with the Works Project Administra-



tion. Students will include Alvin Lugn of Lincoln, Phillip Eisenstatt of Omaha, and Curtis Bratt of Lincoln. The famed giant camel quarries are in this locality.

William R. Horney of Lincoln will be the supervisor of another WPA excavating project at Creighton. This spot is particularly interesting since a fossil rhinoceros recently was found in the town streets while a new system was being installed, insuring a ready audience on hand to view the summer's operations.

At Bridgeport and Crawford a party headed by Lyle Harvey of Gothenburg will work to unearth such specimens as the saber-toothed tiger, three-toed horse, and oreodonts. In the group will be

Richard Cast of Lincoln, Walter R. Seelig of Brooklyn, N. Y., Ralph Velich of Omaha, and John Davis of Omaha.

Crossing the state line into Wyoming will be Robert Wolfe of Red Cloud and Frank Dudek of Clarkson to delve into caves and ice age deposits of that neighboring country.

### Live in Tents.

The field parties usually live in tents—one for cooking, the rest for sleeping with two persons to a tent. Sometimes a small scouting party of two or three persons is sent out to locate new fossil beds to which the large base camp can be moved. In the famous badlands of northwest Nebraska where

(See FOSSILS, page 3.)

## All-state music course begins final series of concerts this weekend

The All-State High School Music Course embarks this weekend into its final series of concerts with the chorus, directed by Mr. A. E. Westbrook, leading the series Friday night at 7 p. m. in the Union Ballroom.

The orchestra, under the baton of Emmanuel Wishnow, will play

Sunday, at 3 p. m. in the Union Ballroom, and the band will perform Tuesday night at 7 p. m. under the direction of Ward Moore.

The concluding concert of the band, orchestra, and chorus of the 80 enrolled high school music students will be presented Wednesday night at 7 p. m.

## Lux says big increase in foodstuffs production

... necessary

A 20 per cent increase in food production in this country is necessary to meet the national defense and British aid program, according to Elton Lux, state extension agent of agricultural conservation at the university, who spoke on "Food for Defense" before the closing program of state conference for vocational agriculture instructors at the Union Saturday.

In some parts of Nebraska where crops have been poor for several years a 50 per cent increase in production is called for, he stated. Better feeding will bring the necessary increase in milk cows while reasonable expansion in chick production will take care of poultry and eggs, he explained.

Farm people can feel that they have better organization now to cushion the economic shocks of a

post-war period than they had in 1918, Lux stated. Information is more available, and there are more farm agencies ready to lead the way when adjustments must be made, he said.

The speaker suggested to Nebraska farmers that with the present good market, they may feel justified in borrowing money for a reasonable expansion of stock provided they have the necessary feed, labor and equipment. Due to surpluses of wheat, cotton and tobacco, he does not believe that prices will be as good for those commodities.

"This is a war of production, and if we can speed up our national output and show a united front in preparedness, we may be sure that we won't have to fight as hard if physical combat becomes necessary," declared Lux.

He described four "Food for Defense" bulletins just printed by the university agricultural extension service on pork, pasture, poultry and eggs, and milk which are available to farmers of the state.

Following the talk by Lux, a demonstration of "Concrete on the Farm" was given by P. M. Woodworth, agricultural engineer for the Cement Products bureau, Chicago, and L. E. Donegan, field engineer for the Portland Cement association at Lincoln. Concrete test beams in a previous demonstration at the college of agriculture on Monday were broken to determine their strength.

## Bring a date and swim in the uni pool!

Mixed swims for men and women are in order at the University pool Monday and Wednesday from 4:30 to 5:30 p. m. according to an announcement today. Students may bring their own suits and only need a health permit from the student health service for admission.

The staff at the coliseum announces that in addition to the free hours for women each weekday from 4:30 to 5:15 and for men from 5:15 to 6:00 there are free hours scheduled on Saturday afternoons. Women's hours are from 1:30 to 3:00; men's hours from 3:30 to 5:00.

The Union announced a pre-fourth of July Swim at Capitol Beach's salt water pool Tuesday, July 1. The Union will provide free bus transportation to the Beach and back to the Union. Buses will leave the Union at 2:30 p. m. and return from the Beach at 5:15 p. m. Any interested students must register at the Union Checkstand by Monday night. Identification cards will be requested for admission on the bus. Admission to the pool is twenty-eight cents.

## Visualization of classrooms shown at clinic

Equipment to visualize classroom instruction for students thru movies, slides, photographs and models was demonstrated at a university administrative clinic at the Union Tuesday afternoon.

Earl Wiltse, superintendent of schools at York, presided at the discussion. O. H. Bimson, assistant superintendent of Lincoln schools, demonstrated the teaching of music to large groups by lantern slides. Paul Miller, principal of the junior high school at South Sioux City, and Edgar Roberts, biology instructor at Norfolk senior high, demonstrated use of film strips and plaster models in teaching science.

### Show Films.

Earl Whipple, supervisor of elementary grades at Fremont, showed a silent film used in fifth and sixth grade geography classes, while Miss Florence Jenkins, instructor in social science at Smith Center, Kas., showed a sound film on transportation for American history classes.

A number of booths were set up at the Union to demonstrate the making of such visual aids as film strips, lantern slides, plaster models, charts, and graphs. Five commercial companies also had exhibits.

## University pays Barbour service tribute

Chancellor Boucher will preside at informal dinner in Student Union

University faculty and administrative staff members will honor Dr. Erwin H. Barbour, director of the university state museum, at an informal dinner this evening, observing Dr. Barbour's 50 years of service with the university.

Arthur Morrill of Stromsburg, son of the late Charles Morrill, whose patronage of Nebraska sci-



entific research is memorialized in Morrill hall, will discuss the early work of the museum and Dr. Barbour on the brief program following the dinner.

Frank Walter Johnson, geologist with the Standard Oil company of New Jersey and a graduate of the university in 1934, will speak for alumni of the geology department and former students of Dr. Barbour.

Dr. C. B. Schultz, assistant director of the museum, will show colored movies of museum field work, and Chancellor C. S. Boucher will preside at the dinner which will be held in the Student Union beginning at 6:30. The affair is being arranged by Dr. Schultz, Dean C. H. Oldfather and Dr. R. A. Miller.