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## Terraced Deposit of an Extinct Thermal Spring in South Park, Colorado

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the dry plains and southwestern deserts, laid down in local bodies of water, or ponds. In the description of the Loveland exposures Shimek unwittingly gives key to its age and stratigraphical setting, that is quite different from what he surmised. A layer of widespread, volcanic ash intersects the section on the Missouri River which shows that the Loveland beds were deposited immediately before the culmination of the Ashawa (Late Wisconsin) ice-advance.

DES MOINES.

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TERRACED DEPOSIT OF AN EXTINCT THERMAL  
SPRING IN SOUTH PARK, COLORADO

DON B. GOULD

South Park, a flat, non-forested area west of the Front Range in central Colorado, was affected by Tertiary volcanic action, as is indicated by lava flows and intrusive sheets of that period. Several warm springs occur in the western portion of the Park which may represent the last phases of this, or later, vulcanism. None of these warm springs has formed deposits, or is forming them today. The occurrence of a mass of calcareous tufa, unrelated to any existing spring, with terraces and general configuration similar to deposits now being made by hot springs in Yellowstone Park, suggests that hot springs formerly existed in western South Park. The mass of tufa, now weathered and grass-covered, occupying an area of 20 or more acres, is described.

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