

of Taylor age, which underlie the entire State of Florida. Applin and Applin (1944) have recognized beds of Taylor age in 12 wells in Florida. In northern and northwestern Florida they consist of hard gray marl with interbedded lenses of gray limestone and light-gray, grayish-green, or blue-gray marly shale, which locally contains carbonaceous matter and mica. In peninsular Florida they are hard white or cream-colored chalky limestone. Apparently everywhere they conformably overlie beds of Austin age. They are overlain by beds of Navarro age in northwestern Florida and southeastern Georgia. The contact is presumably unconformable, for only the lower part of the Taylor is represented in Jefferson County and in Pierce County, Georgia. They are overlain unconformably by the Paleocene series in the vicinity of Tallahassee.

According to the Applins the beds of Taylor age are about 400 feet thick in the central part of peninsular Florida, 600 feet thick in the northeastern part, and more than 1200 feet thick in Monroe County. Only 200 feet, representing the lower part of this unit, is present in Jefferson County, whereas there is more than 700 feet in Wakulla County, the adjoining county.

The upper part of the beds of Taylor age contain fragments of *Inoceramus* and several short-ranging species of Foraminifera, among which the Applins mention *Stensiöina americana* Cushman, *Bolivinooides decorata* (Jones), and *Anomalina rubiginosa* Cushman, var. The lower beds in the Peninsula carry *Planulina texana* Cushman, *Robulus münsteri* (Roemer), *Globotruncana arca* (Cushman), and *Globigerina cretacea* d'Orbigny.

LOCAL DETAILS

The Applins have identified beds of Taylor age in the following wells:

Dixie County—Florida Oil & Development Company No. 1 Putnam Lumber Company (sec. 7, T. 11 S., R. 12 E.), depths 2683 to 3365? feet; total depth of well, 4776 feet.

Jefferson County—Southern States Oil Corporation No. 1 Miller and Gossard (sec. 17, T. 2 N., R. 5 E.), depths 3056 to 3268 feet; total depth of well, 3838 feet.