Trail Loop 4 - 5
(the southernmost loop)

The southern loop is an enjoyable stretch providing an opportunity for an invigorating hike. Some of it is wooded but much of it is open land. This is an ideal chance to catch a glimpse of a hawk hovering on a thermal, a rising column of air, or a butterfly getting nectar from a flowering plant.

It is difficult to consider the land in the park without mentioning the Great Lake it is located on. Lake Michigan, one of the most enjoyable attractions at Orchard Beach. Lake Michigan, like the rest of the Great Lakes, was not always lake. Before the Ice Age, the present lake basins of all the Great Lakes were actually stream valleys. During the Ice Age, the glaciers sculpted the region into much of its present shape. As they melted they filled the lake basins with water.

Other telltale signs left by the retreating glaciers include many of the huge boulders and field stones found in the area. The rolling hills which enhance the topography of the park have been formed from clay, sand, boulders and gravel deposited as the glacier retreated. Such deposits are called moraines.

Beneath the very ground we stand on oil well drilling in Manistee County is searching out oil deposited in what has been called the Niagra Reef Reservoir. The Niagra Reef’s formation originated during what is called the Ordovician Period. At that time the Michigan basin was covered by salt water, which persisted on into the Silurian Period. The reefs secreting coral and algae made possible the development of tiny microorganisms, one-celled plants and animals, that would have provided the necessary hydrocarbons needed to produce the oil found in the reservoir. Dependent as we are on fossil fuels, Manistee is providing her share.
Trail Loop
2 - 3 - 6 - 7

At the beginning of this loop you will notice a cluster of Sassafras trees. A small tree of the laurel family, the Sassafras has the distinction of having an aromatic bark, leaves with usually two or three fingerlike lobes and small bluish fruits. Lumber from Sassafras was once used for barrels and buckets, dugout canoes and posts. The outer bark of its root makes a pleasant tea. Its fruits are enjoyed by songbirds, while rabbits and deer like to nibble at its twigs.

Along this loop you’ll also notice several small mounds of earth. Closer examination will reveal that these are ant colonies with thousands of ants. Ant colonies typically contain one or a few sexual females or queens, neuter females which function as workers or soldiers and some males which are produced only a few times a year for mating purposes.

Sandy soils are common in this area of Michigan and since the area was disturbed through logging and farming, it’s likely that the nutrient rich topsoil was depleted. But evidence of nature’s determination and resilience is readily available to the keen observer. The abundant colonies of mosses and lichens help to break down rocks and stones to release their minerals to the soil. Some of the lichens are called “British Soldiers” because of their bright red caps. Others are called “Fairy Cups”, an appropriate name considering their shape. The forces of wind and water along with the decomposition of organic matter help to create new topsoil.