The latter, which drains more than half (two stone, half a mile apart. They are one hundred eral large bays, is over one hundred miles.

The beautiful curves of the sandy beaches and crystal purity of its waters, make it an object of unusual interest. With the exception of the Yellowstone range, rising from its eastern shore, it is surrounded by a generally low, heavily timlittle gems of Heart, Lewis and Shoshone lakes, varying in length from three to six miles.

boundary to the lake-fifteen miles-is a slugto the valley are bold and precipitous, the surof over ten thousand feet altitude. The spurs

thousand square miles) the area of the park, and eight and three hundred and nine feet in enters at the southeast corner at an elevation height. East of Alum creek is the region of of about seven thousand nine hundred feet, and Sour creek, broken by low, heavily-timbered flowing about northwest through Yellowstone ridges, extending to Mirror lake plateau, on the lake and the Grand canyon, crosses the north- east. North of the Grand canyon is the cresern boundary at an altitude of five thousand cent-shaped Mt. Washburne range, the openthree hundred feet. Yellowstone lake (seven ing toward the Yellowstone river, and drained thousand seven hundred and forty feet), the by Tower creek. The interior slopes of this largest lake at great elevation in North Amer- crater-like area, and the rhyolite plateau along ica, has a length and breadth, respectively, of Tower creek, are densely timbered, except near twenty and fifteen miles, a depth of three hun- Antelope creek. Broad and Deep creeks, which dred feet, and an area of one hundred and fifty have cut deep canyons in the plateau, enter the square miles. The shore line, indented by sev- Yellowstone east of Mt. Washburne, and north of these are the slopes of Amethyst mountain and Specimen ridge. The East Fork, the main branch of the Yellowstone, joins it from the east, about twenty miles above where the Yellowstone crosses the northern boundary of the park, at its junction with the Gardiner river. bered country. A few miles southwest, on the This portion of the main river is called the opposite slope of the continental divide, are the Third canyon. It has little of the well-defined walls of the Grand canyon. On the east rise precipitous granite slopes, several thousand feet. The Yellowstone river, from the southern On the west the country is much lower and has more of a plateau character, and about Blackgish, tortnous stream, bordered by meadow and tail Deer creek and on Mt. Evarts are large swamp two miles in width. The slopes down grass-covered areas, interspersed with groves of timber, and extending, in some cases, up the rounding country being a high, volcanic plateau northern slopes of the Mt. Washburne amphitheatre. The East Fork, from its junction with of the Yellowstone range making down to the Yellowstone to Cache creek-about sixteen lake are heavily timbered, becoming less so to-miles—runs through an open, grass-covered valward the south. Pelican creek, draining the ley, from one to one and a half miles in width. south end of Mirror lake plateau, enters the lake Its main branches-Slough, Soda Butte, Cache, near the outlet. Meadows from a half to a mile Calfee and Miller creeks-flow from the east, in width, border the lower portion of its course. draining the Yellowstone range. On the west At the outlet of Yellowstone lake, on the west, it receives numerous small drainages from Specabuts the heavily timbered plateau of the Ele- imen ridge and the Mirror lake plateau. On phant Back (eight thousand five hundred feet), both sides, as far as Cache creek, and above it which, running westward a few miles, splits for a few miles on the east, the adjacent slopes into two parts, one merging into the continental are only partially forest-covered. Above Cache divide, on the southwest, and the other, turning creek the East Fork runs in a well-timbered to the northward, forms a narrow divide be- canyon. The short streams from the Mirror tween the Madison and Yellowstone, and broad- lake plateau head in beautiful grassy parks, of ening out, again divides, one branch sweeping ten of a hundred acres in extent. The valleys around to the head of the Grand canyon, and of the main stream and its principal tributaries the other, much broken by lateral and trans-Slough and Soda Butte creeks-are low within verse drainage, continuing northward, nearly to the boundaries of the park, ranging in altitude the Mammoth hot springs. The low, semicir- from six thousand eight hundred to seven thousand cular depression thus formed on the west bank sand five hundred feet, but the more immediate of the Yellowstone, is known as Hayden valley, slopes in the northeastern portion rise precipiand has formed a portion of the ancient Yellow- tously to ragged and bare peaks and ridges, ten stone lake. It is drained, mainly, by Alum thousand to ten thousand eight hundred feet in At the head of the Grand canyon are the Up-high, sparsely-timbered plateau. On the Garper and Lower, or Great, falls of the Yellow- diner river, four miles south of the northern