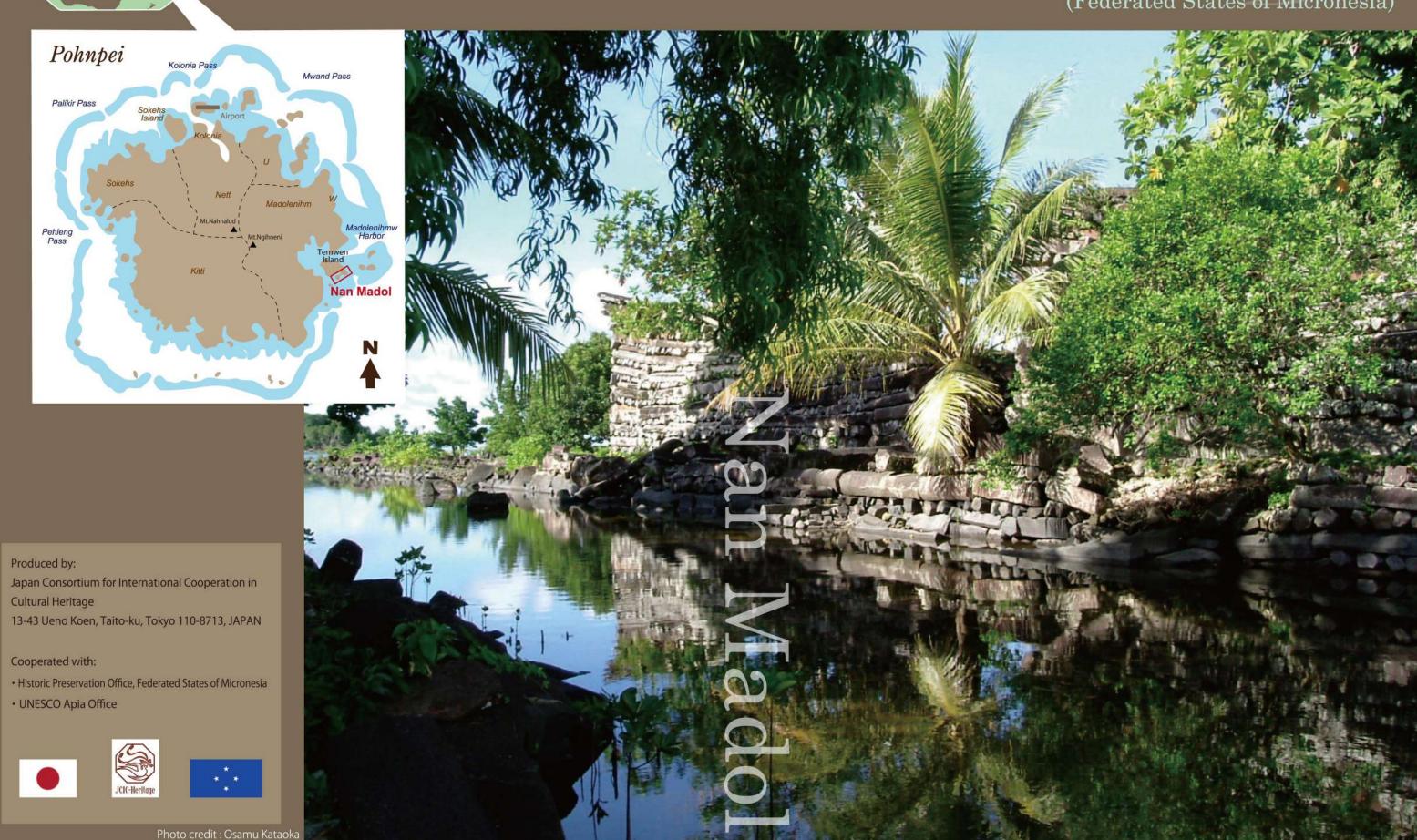
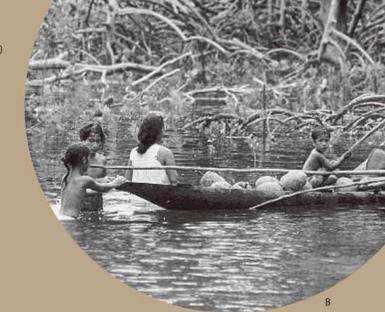
The Nan Madol Archaeological Site of Pohnpei

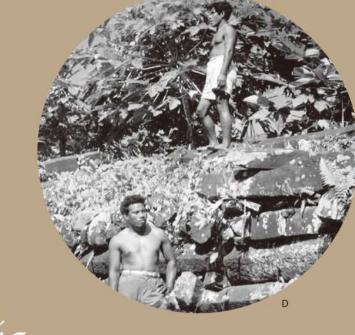
(Federated States of Micronesia)



- A High Commissioner Midkiff and staff at Nan Madol (N-2360.02)
- B Family with canoe full of breadfruit passing through Nan Madol, UN photo (N-1893c.04)
- C Sakau ceremony, Ponape (N-20a)
- D Ponapeans at Nan Madol, photo by Ted Huggins (N-2377.03)
- Photo credits:
- Trust Territory Photo Archives, Pacific Collection, University of Hawaii-Manoa Library



In the middle of the Pacific Ocean lie the ruins



Nan Madol - the Ancient Sea City of the Pacific

37 Bathing place

38 Pehi en Mweik

39 Peikapw

42 Tortoise

43 Idehd

44 Peitaup

45 Dekehtik

46 Pahnisou

47 Peinieir

50 Darong

51 Lehnkei

40 Namwenias

41 Keimwin Sokeh



20 Sapwenleng

21 Pedenleng

22 Pilenleng

23 Pahndipap

24 Pedeped

25 Peinpwe

26 Nihkonok

27 Reilap

28 Dolewe

29 Peilam

30 Reitik 31 Uasau

32 Kelepwel

33 Pahn kedira

34 Place of punishment

4 Nan Lehn Moak

5 Pohn keimw

8 Mweid

9 Pahnwi

of an ancient city off the shore of the island of Pohnpei in the Federated States of Micronesia. It is Nan Madol, a ruin that is often called the "Venice of the Pacific," and whose unparalleled uniqueness, enormity, and magnificence has continued to intrigue many people.intrigue many people.





68 Map

- 108 Peikap Sapwawa
 - 110 Pahndouwas 111 Dau

96 Sarwi

97 Madol Pow

100 Pwulak 101 Peinering

102 Peinior

104 Usen Dau 105 Sapwuhtoh 106 Pwallahng 107 Dewen Nankieilm

- 112 Dewenkasapal
- 113 Nan Dawas 114 Pahn Dawas
- 115 Kenderek
- 116 Pohnmweirak
- 117 Peiniot 118 Peiniot
- 119 Nan Mwoluhs
- 80 Nihdor-Reidipar 122 Karian

- 87 Sakapeilong 88 Likinpei 130 Pohn Mwudok

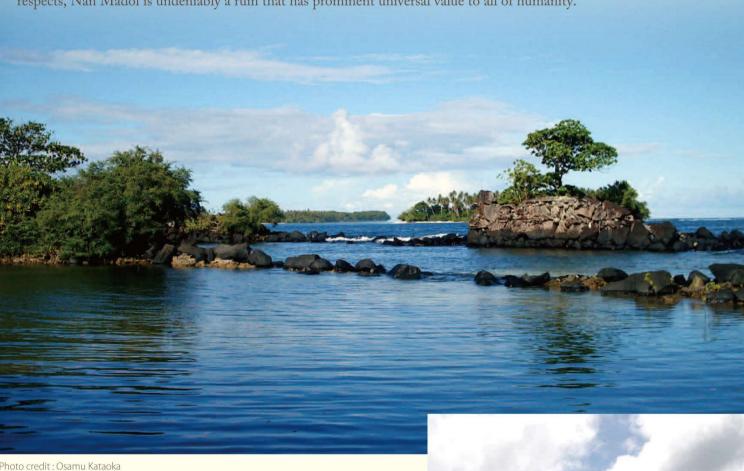
escription of Nan Madol

Nan Madol, the Ancient Sea City of the Pacific

Nan Madol is the ruin of a megalithic civilization composed of 95 small to large artificial islets made mostly of basalt. The islets are scattered over an expanse of ocean covering roughly 1.5 km × 0.7 km off the shore of Pohnpei Island, Micronesia. According to archaeological studies, construction of the islets began around 500 AD, and the Saudeleur Dynasty of chiefs expanded on its initial construction until about 1200 AD. According to oral tradition the Saudeleur Dynasty was conquered by Isokelekel, a young warrior from the island of Kosrae located 480 km east of Nan Madol, sometime around 1500 to 1600 AD.

The complex of ruins is composed of palaces, temples, mortuaries, and residential sectors, with each of the 95 islets having its own name and oral history. The network of canals separating the islets suggests that the residents of Nan Madol traversed the islands across the canals via canoe.

Nan Madol is proof that a mighty, ancient dynasty previously existed in Pohnpei, and it is now regarded as a sacred place by local residents. Furthermore, it is one of the largest and most spectacular ruins in the Pacific Ocean, which covers one-third the Earth's surface, and is an important landmark that displays the pinnacle of Pacific Ocean culture. In these respects, Nan Madol is undeniably a ruin that has prominent universal value to all of humanity.



prismatic basalt piled in alternating header-stretcher courses, and rises to a height of approx. 8 m.

Column 1: Magnitude of the rocks

Most of the artificial islets of Nan Madol are made of huge basalt prisms, basalt boulders, and coral rocks. On the islet of Nandauwas, a double-walled enclosure of basalt carefully piled with alternating courses of headers and stretchers and rising to a height of 8 meters surrounds a central stone chamber whose ceiling is made of prismatic basalt columns as long as 5 meters. In fact, the ruins are composed of more than 60,000 such prismatic columns of all sizes. On the islet of Pahnwi, huge basalt boulders possibly weighing up to 90 tons are stacked to a height of 10 meters in the southwestern corner of the islet. Through physicochemical studies, it was found that these rocks were originally guarried from the Sokehs and U districts situated on the opposite side of the island from Pahnwi, 25 kilometers away in straight-line distance.

It is yet unknown how such huge rocks were transported to the islet and how they were assembled into structures. In an archaeological experiment performed in the past, a prismatic basalt column was extracted from a quarry by applying heat and rapidly quenching it with water, carried down to the coast, and transported via canoe, but the labor and transportation technology needed to move the single column were considerable.



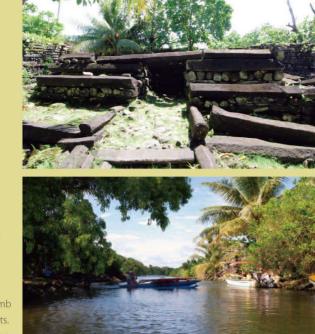
A rocky mountain in Sokehs, one of the places from which the stones of Nan Madol were quarried

Column 2: Oral tradition

Each of the 95 islets of Nan Madol has its own name and an oral tradition that tells of its origin.

Legend has it that there were once two brothers named Olosipha and Olosopha, who created the artificial islets, working their way down from "upper" Nan Madol in the northeast to "lower" Nan Madol in the southwest, with the cooperation of the local residents of each area. The center of upper Nan Madol is Nandauwas, and it is where the chiefs of the dynasty that ruled the island lie buried in a central tomb. During indigenous war-times, the people of Nan Madol offered a local brew called sakau (known elsewhere as kava) to the spirits of the great leaders and prayed for victory. Important meetings about the affairs of the dynasty were also held in Nandauwas. Meanwhile, Pahnkadira in lower Nan Madol was the residential sector of the chiefs, and served an important role as the religious and administrative center of Nan Madol.

Top photo: The central stone chamber in Nandauwas that is said to have been a royal tomb Bottom photo: A network of canals between the artificial islets The local people probably traversed the islands across these canals via



Column 4: Archaeological achievements

Based on studies conducted to date, it is believed that humanity first set foot on Pohnpei Island 2000 years ago, and that the first settlers were people who traveled northward from around Melanesia.

Pohnpei culture did not have metal until the arrival of Europeans after the 1820s. Before that, the prehistoric residents of Pohnpei developed a culture based on the use of seashells and not stone, despite having an abundance of basalt. They created diverse items from seashells, including axes, fish hooks, and ornaments. These have been discovered from archaeological excavations on the ruined islets of Nan Madol.

It is intriguing to think how these people constructed such a monumental architecture as Nan Madol without the use of metal and stone, which are seemingly more useful as tools than seashells.

concerning its preservation.

have already begun to collapse.

State of Conservation at

the Nan Madol Site

Nan Madol still speaks eloquently of the lost megalithic civilization

that it once was, but there are various issues that need to be addressed

One of those issues is the risk of physical collapse of the city itself.

For example, the artificial islet of Karian, which faces the open sea,

is conspicuously eroded by high waves, and is at risk of suffering even

greater wave damage as a result of the recent climate change.

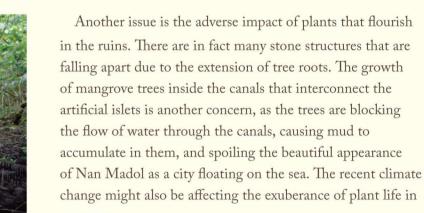
Some of the structures that were built by stacking huge basalt rocks

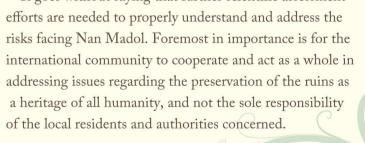
blocking the flow of water and causing mud to accumulate in the canals.



the flow of water through the canals, causing mud to

It goes without saying that further scientific assessment







Column 3: Megalithic culture of Micronesia

Nan Madol is not the only megalithic culture in Micronesia. There are archaeological evidences of a number of other such cultures in the region. For example, in the Mariana Islands such as Guam and Saipan, there are remains of many stone columns called latte stones which made up the "stilts" that stilt houses were built on. On Yap Island in the Federated States of Micronesia, stone money is used, made of crystalline limestone quarried and brought from the Palau Islands situated some 400 kilometers from Yap. The Palau Islands also have numerous remains of monoliths, stone faces, stone coffins, and other such monuments. Furthermore, a ruined stone city closely resembling Nan Madol called Lelu exists on Kosrae, another island belonging to the Federated States of Micronesia. There is still much to learn about the possible relationships among these megalithic cultures, but they are important proof of the nigration and interaction of peoples throughout the Pacific.





Top photo: Collapsed stones on Karian caused by high waves from the open sea

Bottom photo: Collapsed stones along the exterior wall of Nandauwas