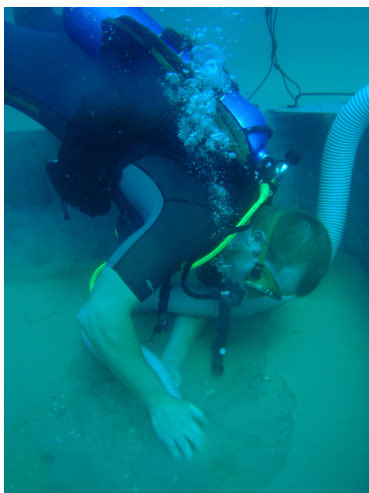
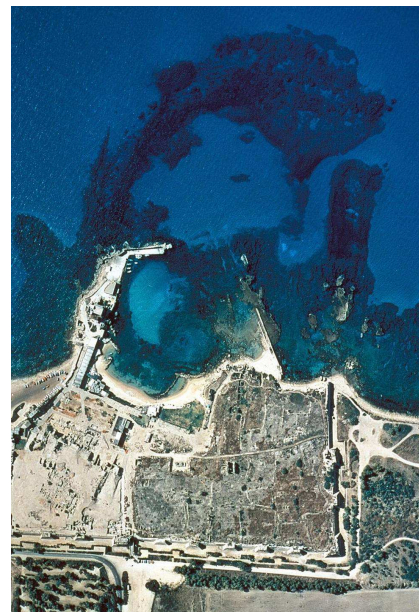


Caesarea Coastal Archaeological Project (C-CAP)

July 24-August 12, 2011



The colossal artificial harbor built at the city of Caesarea Maritima by King Herod of Judaea over 2000 years ago (ca. 20-10 BC), continues to provide a window into the life of a vibrant Mediterranean port city during the Roman, Byzantine and Ummayyad periods. This summer, students and volunteers are invited to join an ongoing excavation project for a hands-on learning experience in the methods and practice of underwater archaeology, coastal archaeology, and geoarchaeology. During the three weeks of the project, participants will excavate and record in and around the area of the ancient harbor, assembling data to further our understanding of the construction and engineering of the harbor itself, the history of its use in subsequent centuries, its impact on the surrounding coastline, and in particular to document the effects of powerful tsunamis which we now know struck the area in the second and sixth centuries AD. The project has an underwater and terrestrial component.



On bad sea days, research will move from underwater to the coastline where the project will study and record the endangered archaeological features being actively eroded along the coastal cliffs.

The C-CAP Field School will provide training and practical experience in underwater archaeological and geoarchaeological techniques, including excavating, surveying, drawing, sampling, and recording. Participants will gain first-hand, hands-on experience in the course of an active, methodologically rigorous underwater and coastal archaeological research project. Instructions will be received in both formalized frontal-lecture format as well as in the field. During the two weekends of the project, study trips to nearby

sites will help to place Caesarea in its broader historical and cultural context. We will spend one weekend following the coastline north and south of Caesarea, visiting sites such as Acco, Dor, Jaffo, and Ashkelon. The second trip will move from the coast to the hills of Jerusalem to focus on the Herodian building projects there, as well as other key historical sites in the city (the Temple Mount, the Church of the Holy Sepulchre, etc.). On excavation-days, a series of formal lectures will be held in the evenings, taught by members of project staff and visiting scholars and field archaeologists. University credit for the course is available (additional tuition fees apply).



Student/Volunteer Requirements:

All participants in C-CAP are expected to have a valid SCUBA certification from a recognized certification body (e.g. PADI, SSI, NAUI, BSAC, etc.). The number of participants is limited, and we will regretfully not be able to accept all qualified applicants. Less-experienced or newly-certified divers are eligible and welcome. Advanced undergraduate and graduate students of archaeology, classics, ancient history, and geology (or those with degrees in the same or similar fields), as well as volunteers with past experience and skills of value to the project, will receive some preference.



Application process:

To apply, send a request for an application to CCAP2011@gmail.com. You will receive an initial application. Successful applicants will receive a follow-up e-mail containing more detailed application forms, a health form, and a waiver. The health requirements include an extensive dive medical, equivalent to the requirements of AAUS. These materials should be submitted with an initial payment of 25% of the project fee to hold your place. The balance must be paid

upon arrival or in advance. Cancellations by June 1st will receive full reimbursement minus a \$200 administrative fee. Please be sensitive that because of the limited numbers accepted, a cancellation may deny another participant their opportunity.

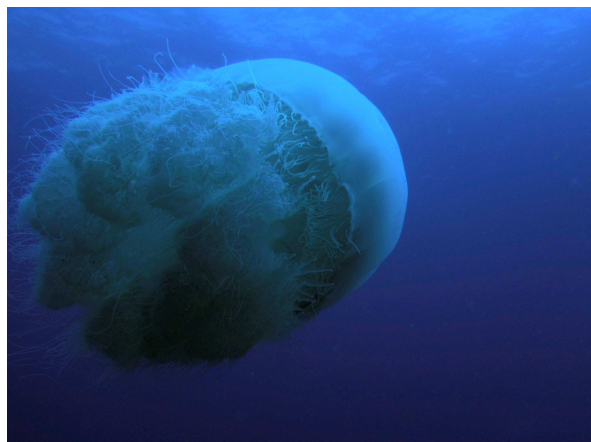
**Costs:**

The three week project fee is \$2700. This fee covers room and board, in-country transportation related to the project, and two weekend trips (transportation, entrance fees, and two meals a day). Personal costs include transportation from your point of origin to Caesarea (via Ben Gurion Airport in Tel Aviv, for

those arriving from abroad), spending money, and personal health and travel insurance. For those interested in participating in the excavation for university credit, there is a total fee of \$150 for registration and credits through the University of Haifa International School. There is a place to indicate your interest on the application form. In summary, the total cost for the project including receiving credits is \$2850+flight.

Accommodations and food:

The project housing is at Kibbutz Sdot Yam's Sea Sport Guest Center, located just south of the archaeological site and home to Israel's first Olympic gold medal recipient (Athens-windsurfing). Sdot Yam is a favorite spot amongst kayakers, kitesurfers, and windsurfers. Rooms are shared (3 per room), air conditioned, and a short walk from the sea. Each room has its own bathroom and shower. A private room can be requested at an additional cost. The workday begins with the sun; breakfast, lunch and snacks will be provided at the site during the course of working hours, from morning through early afternoon. At the end of the workday, students/volunteers and staff will gather for a hot, sit-down meal overlooking the sea.



Diving:

All diving is done according to AAUS standards, and participants are encouraged to become registered AAUS divers. Dive-insurance is required of all divers and is specific to this work; it is therefore included in the project fee. This insurance ONLY covers diving specifically related to the excavation; those planning on recreational diving outside the parameters of the project will need to arrange for separate insurance (available from Divers Alert Network [DAN] at moderate cost: <http://www.diversalertnetwork.org/>). Each participant should bring their own mask, fins, booties, and wetsuit. Buoyancy compensators and regulators will be provided by the project. Those bringing their own regulators and BC must bring a receipt from a recent servicing (within the past 12 months). The water temperature in late July-early August is warm, and most participants should not require more than a 3mm wetsuit. Hard-soled booties are better than soft booties. If possible, negative-buoyancy fins are preferable to reduce the possibility of loss. Neoprene hoods are a convenient way to get a lot of added warmth without a thicker suit. Workgloves, particularly the 'atlas' tight-fitting gloves found in most American hardware stores, are essential to avoid cuts and scrapes, especially after multiple dives. Jellyfish are sometimes present in the work area, hence a wetsuit or at least a long-sleeved lycra suit or shirt is advised both for avoiding stings and for sun-protection.

The Staff:

CCAP is co-directed by geoarchaeologist Beverly Goodman (University of Haifa), classical archaeologist Hendrik Dey (Hunter Collegy, CUNY), Israel Antiquities Authority Marine director Jacob Sharvit, coastal archaeologist and Head of the Hatter Archaeological Laboratory Michal Artzy (University of Haifa), and periodic



guest diver and enthusiast Norman Krischer. In addition, guest lectures will be given by local archaeologists and specialists working in Caesarea and the Mediterranean region. Dive operations and logistics will be run by dive officer Eran Rozen with the assistance of Eli Shemesh and Dror Planar.

Avner Raban (1937-2004)

Our work in Caesarea is only possible due to the dedication, creativity, and imagination of the late, beloved, and colorful Prof. Avner Raban. In the process of his pioneering investigations into the history and material culture of Caesarea in the Roman, Byzantine and early Islamic periods, Avner introduced generations of students and volunteers to the world of underwater archaeology, allowing them to obtain rare, hands-on experience at a remarkable underwater site. He also welcomed specialists from many disciplines to Caesarea and collaborated with scholars worldwide. Caesarea is a place where many of today's most prominent underwater archaeologists and maritime specialists had their first taste of working in the sea. The field school at Caesarea has been named in his



memory in the hope that his contribution to the field can be carried on to the next generation as well. The best testament to his legacy will consist in the continuation of his efforts to uncover and document the Roman harbor and coastal environments of Caesarea.

In addition to support provided from grants of participating lectures and researchers, the project receives continuing encouragement, subsidies, and financial backing from longtime diver, excavation worker, friend and supporter Norman Krischer and EcoOcean. Donor support is very welcome and appreciated and allows for the continuation of the research. Please email inquiries to CCAP2011@gmail.com

Leon Charney School of Marine Sciences
Marine Geoarchaeology Summer Field School
Brief Course Description

Course Objectives:

Students will learn a range of underwater research skills including dredging, probing, photography, recording, drawing, measuring, and artifact collection. They will leave the course understanding how archaeological and geoarchaeological techniques are used to resolve questions related to coastal site formation, and the natural and anthropogenic processes that shape coastal environments and the manmade features present in their vicinity. They will also have a basic understanding of the history and culture of the Levant in the Roman period. Lectures and trips will enhance the learning experience and provide further background on the technology of ancient harbors, and the architecture and topography of Caesarea and other Roman-period cities in Israel.

Course Breakdown

Field/Excavation: ~50 hours

Lectures: ~10 lectures: ~15 hours

Study Trips: ~30 hours

Ceramics and Material Processing Laboratories: ~8 hours

Credits-3