

February Members' Meetings

Dates & Times

Matinee 2:30 p.m., Wednesday, February 9
Evenings, 8:00 p.m., Wednesday and Thursday, February 9 and 10, 1983

Place

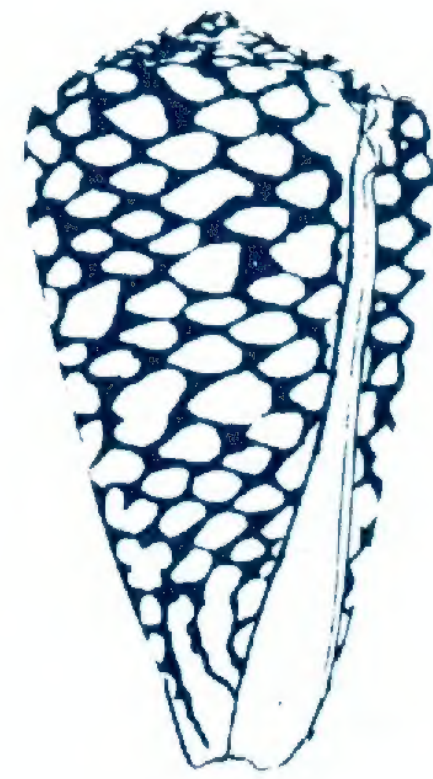
May Treat Morrison Auditorium

Speaker

Dr. Bruce Halstead

Subject

"Dangerous Marine Creatures: Things That Bite, Sting and Poison"



Turkeyfish, venomous sea snakes, cone shells, sea urchins, Portuguese men-of-war, sharks and puffers are familiar names to most divers, fishermen, boaters and beachcombers. All of these creatures are to be treated with utmost respect as they have the ability to sting, attack, poison and in some cases, cause death.

Bruce Halstead, M.D. has spent 35 years on research throughout many parts of the world on the subject of dangerous marine animals. Most of his research has been under sponsorship of the Army, Navy and Air Force and the National Institutes of Health. Some of this work has involved such international agencies as the World Health Organization which has been concerned with the survival of isolated military personnel working where they might encounter these animals.

Join Dr. Halstead at his slide/lecture when he will discuss some of these organisms, the interesting nature of their venom organs, and the effects they produce in human beings.

Dr. Halstead is well known for his three volume work entitled *Poisonous and Venomous Marine Animals*, and has been familiar with the Academy since he was a child working and learning in the Ichthyology Department.

As usual, your membership card will admit you to the Academy's main entrance at Cowell Hall, and through the Wattis Hall entrance for the matinee presentation. Please be prepared to show your card at the auditorium door for the afternoon meeting.

SNEAK PREVIEW: Edwin Bernbaum will discuss the Tibetan kingdoms of Zanskar and Ladakh at the members's meeting on March 9 and 10.

Special Exhibits

John Galante toured China as a member of the U.S. Oceanic Society's Delegation invited by the Chinese government to study aquacultural practices throughout the People's Republic of China. His sensitive eye has captured the faces of an unspoiled people at work and at leisure in their beautiful land. This exhibit of color photos, dating from October 1980, entitled **Images of China**, can be seen in Cowell Hall through March.

Hopi Kachina: Spirit of Life, the Academy's own exhibit about the oldest surviving culture of North America is on display in Hohfeld Gallery #1.

ON MARCH 2, members will have an opportunity to preview the new exhibition, **THE PHOTOGRAPHY OF IMOGEN CUNNINGHAM: A Centennial Selection** at a special reception. The hours will be from 6 to 9 p.m. and there will be a no-host bar available for wine and non-alcoholic beverages. Bring your membership cards and bring a guest!

THE PHOTOGRAPHY OF IMOGEN CUNNINGHAM: A Centennial Selection will feature 100 works by this famous photographer in honor of her 100th birthday. The exhibition begins its three year national tour at the Academy and features many photographs which have never been on public display.

ON MARCH 8 in conjunction with the exhibition, The California Historical Society will present a special evening program at the Academy featuring Anita Mozley, Curator of Photography of the Stanford Museum of Art on "The Historical Background of American Photography"; Rondal Partridge, Imogen's son; and Douglas Haller, Curator of Photography for The California Historical Society on "The Contemporary Photo Archive". The formal program will be followed by a special showing of the exhibition including refreshments. Cost is \$3 for members of the Academy or CHS and \$5 for non-members.

For tickets and information send a check made payable to California Historical Society, Program office, 2090 Jackson St., San Francisco 94109.

Morrison Planetarium

William Herschel wasn't really *looking* for a new planet when he discovered Uranus one night in 1781, and in the same year, when comet-hunter Charles Messier made up a list of objects for astronomers to avoid lest they confuse them for comets, he didn't realize that his list included some of the most spectacular wonders in the universe. These and other important and exciting astronomical breakthroughs, from the invention of the telescope to the puzzling discovery of gamma ray sources in deep space by U.S. spy satellites, are highlighted in **Celestial Serendipity**, an engaging look at "accidental astronomy" in the Morrison Planetarium.

Shows daily at 2:00 pm, Saturday & Sunday at 12:30, 2:00, & 3:30 pm, and Wednesday & Thursday evenings at 7:30 pm.

Every Saturday and Sunday morning at 11:00, take an enjoyable tour of the current night sky above San Francisco, including glimpses of the visible planets, the phase of the moon, and important upcoming astronomical events as Morrison Planetarium presents **Exploring the Skies of the Season**.

Members may use their complimentary Planetarium passes for free admission to both of these sky shows.

Laserium

Get out of the February doldrums with a visit to Laserium in the Morrison Planetarium!

Crystal Odyssey is a fairy tale fantasy set to classical music. A magical being named Aurora leads the audience through a land of light and color. Showtimes: Saturday and Sunday at 5:00 p.m. Other shows on Thursday at 9:00 p.m., Friday and Saturday at 7:30, 9:00 and 10:30 p.m., and Sunday at 7:30 and 9:00 p.m. Call LASERIUM at (415) 221-0168 for show titles and further information.

Admission to LASERIUM is \$4.50 for adults, \$3.50 for matinees (5:00 p.m. only), children 12 and under and seniors \$2.50. Advance tickets may be purchased through Ticketron at 495-4088. ALL SHOWS TITLES SUBJECT TO CHANGE WITHOUT NOTICE.

Please Note: Members' complimentary passes are **not** usable for Laserium.

Junior Academy

PHOTOGRAPHY CONTEST FOR YOUNG PEOPLE

In conjunction with the exhibit **THE PHOTOGRAPHY OF IMOGEN CUNNINGHAM: A Centennial Selection**, opening March 3, the Junior Academy is presenting a photography contest for young people 18 and under. Categories will include landscapes, people at work and play, architecture, animals, portraits, and plants. Prizes will be awarded in each category. For full details and an entry form please call the Junior Academy at (415) 221-5100 ext. 221. All entries must be received by February 25, 1983.

Spring Classes in the Junior Academy.

Spring classes begin in February and continue through March 26. Don't miss registration, either on January 29, Saturday, in the Morrison Auditorium from 10 a.m. until 2 p.m. or the following week, January 31 through February 4 every day from 1-5 p.m. in the Junior Academy. This year's classes will include a photography course. For a schedule and further details please call the Junior Academy at (415) 221-5100 ext 221.

R A P T O R S



Don't forget the Raptors Conference, February 4, 5 and 6, co-sponsored by the California Academy of Sciences, the San Francisco Zoological Society and The Wildlife Rehabilitation Council. Topics to be covered on a variety of birds of prey include captive breeding, rehabilitation, handling, housing, nutrition, veterinary techniques and infant care.

Admission is \$15.00 for members of sponsoring organizations and \$20.00 for non-members. Call Nancy Venizolos at the Zoo for a registration form at 661-2023.



Photoblepharon from first expedition

In 1975 scientists from the Academy's Steinhart Aquarium led an expedition to Grande Comore Island in the Indian Ocean in search of a coelacanth, the "living fossil." Though a living specimen of "old fourlegs" eluded the group, two dozen *Photoblepharon* ("eyelid light") made the long journey back to San Francisco to become the first flashlight fish ever put on public display.

The name flashlight fish refers to the glowing bean-shaped light organ located beneath the eyes of these small animals. Because they live at dark depths of 200 to 400 feet, these fish have developed blinking green lights to find and possibly attract food and to communicate with each other. Researchers at the Academy and at Scripps Institution of Oceanography are studying their glowing lights, which is caused by symbiotic bacteria, and at the same time aquarium visitors have a chance to see these strange bioluminescent creatures.

In tank #1 at various times you can see three different kinds of flashlight fish, as well as Pinecone Fish first given to the aquarium by the Emperor of Japan.

Cover Illustration:

Gray Whale, *Eschrichtius robustus*, by Richard Ellis from his book *The Book of Whales* published by Alfred A. Knopf, Inc.

Special Lectures

The National Parks of Brazil

Walt Anderson
Thursday, February 17
8:00 p.m.
Morrison Auditorium

The lush vegetation of the world's tropical rain forests are home to nearly half of all the flora and fauna species on earth, but because of forest disruption in many countries millions of these species could become extinct before being described by scientists. One country where there is less chance of losing this precious and fragile ecosystem is Brazil where fledgling national parks are preserving the finest habitats of the tropics.

In 1982, Walt Anderson, naturalist, artist and photographer, well known to Academy members, led the first safari ever offered to the national parks of Brazil. In this special slide/lecture he will highlight the emergence of the Brazilian national park system, and explore the problems and promises of wildlife conservation and habitat preservation in this rapidly developing, ecologically diverse nation.

Admission to this special lecture is free.

Whales in Art and Literature

Robert McNally
Tuesday, February 22
8:00 p.m.
Morrison Auditorium

Join author Robert McNally for his two-part lecture when he will discuss how man's interest in whales and other cetaceans stretches back to the ancient Greeks. In part two he will describe the background and meaning of the greatest whale-writing of all — *Moby Dick*.

McNally is the author of *So Remorseless a Havoc*, and copies of his book will be on sale following his talk. Admission to this special lecture is free.

THE GREAT WHALE EXHIBITIONS

A Benefit for Steinhart Aquarium

February 1 through 28 at
Vorpal Gallery, San Francisco
and
The Olema Inn



"TWO WHALES" by Jesse Allen

During the month of February, in celebration of whales (and other marine mammals), Vorpal Gallery and the gallery of The Olema Inn will feature paintings, prints and sculpture by some of this country's leading artists. Works by Jesse Allen, Wick Ahrens, Richard Ellis, Pieter Folkens, Larry Foster, Lowell Herrero, Bill Hughes, J.D. Mayhew, Randy Puckett and others will be on view, and any purchase made during the exhibitions will result in a donation to the Steinhart Aquarium's Marine Mammal Research Fund.

On Sunday, February 6, members of the Academy are invited to Vorpal (open 11 to 6) and if you buy a piece from the exhibition on this day, 40% of the purchase price comes back to the aquarium!

(Many of our members will remember the beautiful print by Jesse Allen which was offered on the occasion of the opening of the Fish Roundabout in 1977.)

So join in the fun this month! See works by some of your favorite marine artists and support the Steinhart's research efforts!

Vorpal Gallery is located at 393 Grove at Gough. The Olema Inn is the gateway to Pt. Reyes National Seashore and is located where Sir Francis Drake Blvd. meets Highway 1.

Education and Travel

King Range Backpack

April 24 - 28

Northern California's King Range Beach is a remote and beautiful 24-mile stretch of pristine black sand. Academy members will hike the area, north to south, between the Mattole River and Shelter Cove, encountering marine mammals, birds, intertidal life, coastal plants and wildflowers. Anyone capable of hiking five miles a day, carrying approximately 30 pounds in a backpack, can handle this trip. Cost is \$185 per person. For information, call or write Focus on Nature, 5570 Inverness Ave., Santa Rosa 95404, (707) 584-5154

Belize for Scuba Divers

May 7 - 14

Some of the richest and most pristine dive sites in the Caribbean lie off the coast of Belize (formerly British Honduras), south of Mexico on the Yucatan Peninsula. Sixty miles out to sea at Lighthouse Reef are dozens of dive sites where the top of the drop-off is a mere 30 feet below the surface. Led by Academy marine biologist, Brian Gibeson, members will stay aboard the comfortable *Isla Mia*. (This trip is limited to 14 divers). Cost is \$950 plus air fare. For information call See & Sea Travel at (415) 771-0077.

Spain and Morocco

May 14 - June 5

Members will enjoy a wealth of Islamic art history and architecture on this 23-day tour of Spain and Morocco, led by Antony Hutt, an Islamic scholar, who has led numerous archaeological expeditions in the Middle

East. Highlights of the tour will include the sights of Madrid, El Escorial, Segovia, Toledo, and the splendors of the Alhambra and the Alcazar. Members will travel to Morocco to visit Rabet, Fez, Meknes, and will cross the Atlas Mountains to Erfoud, the gateway to the Sahara. The cost is \$2500 per person for land arrangements, and \$908 for air fare. For information, please call Siemer & Hand Travel at (415) 788-7186.

Snake River Birds of Prey Expedition

May 30-June 4

Raptor lovers will not want to miss this six-day field study tour into the scenic Snake River Birds of Prey Area. The densest known nesting population of birds of prey, including 14 species of falcons, eagles, hawks, owls and more than two hundred pairs of the rare prairie falcon, live in the Snake River canyon. From home base in Boise, outings will be by van and by foot, plus one "day" float trip on the Snake River. Cost is \$690 plus air fare. For information, call Betchart Expeditions at (408) 245-9517.

Alaska

June 18 - July 3

Spectacular scenery and abundant wildlife await Academy members on this annual trip north to Alaska. A cruise to the Columbia Glacier, several days at Camp Denali in the heart of Mt. McKinley National Park, a visit to the "Valley of Ten Thousand Smokes" and some time in Glacier Bay are but a few of the highlights of this popular members tour. Dr. David Kavanaugh, Chairman of the Department of Entomology, will lead this expedition. For information and a brochure, please call Siemer & Hand Travel at (415) 788-7186.

Voyage to the Lands of the Norsemen

July 4-18

Join Dr. and Mrs. Robert T. Orr for a splendid cruise to "The Lands of the Norsemen". The journey begins in historic Edinburgh, Scotland, where participants board the chartered yacht *Illiria* to visit the Orkney and Shetland Islands along the coast of Scotland — these islands offer a wealth of history and a diversity of bird and plant life. Other highlights include the spectacular fjords of Norway's coastline and the pristine beauty

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of Oslo, Bergen and Copenhagen. This tour will be shared with the Yale Alumni Association. For information, please call the Academy Travel Office at (415) 221-5100.

A Safari to the National Parks of Brazil
September 9-25

From the mystique of the Amazonian jungles to the savannahs of Central Brazil, Academy members will probe the history of life forms on the South American continent. With the leadership of Dr. Robert T. Orr, we will discover and photograph the major large land mammals, the tropical flora, and the beautiful butterflies which inhabit Brazil today. Several Brazilian naturalists will assist in the field as members explore the national parks: Amazonia, Pantanal, Emas, Iguacu, Itatiaia, Tijuca, and Serra dos Orgaos. Cost is \$3690 for land arrangements and \$1688 for air fare at current rates. Participation limited to 17 persons. For information, call Betchart Expeditions at (408) 245-9517.

Wonders and Wildlife of Nepal and India
October 28-November 20
Ancient Mysore and Goa
November 19-27

In Nepal, try game-viewing from elephant-back at famous Tiger Tops in Chitwan National park! And visit the exotic cities of India, from Delhi, Udaipur, Varanasi, Agra, and many more, to explore the rich artistic and cultural heritage of one of the world's most exciting countries. An optional extension to Mysore and Goa is also offered. The tour will be led by Antony Hutt. Cost is \$2940 per person, and \$2000 for air fare. For information, please call Bryan International Travel at (415) 986-0967.