

## October Meetings

### Dates & Times

Matinee, 2:30 p.m., Wednesday, October 14, 1981

Evenings, 8:00 p.m., Wednesday and Thursday, October 14 and 15, 1981

### Place

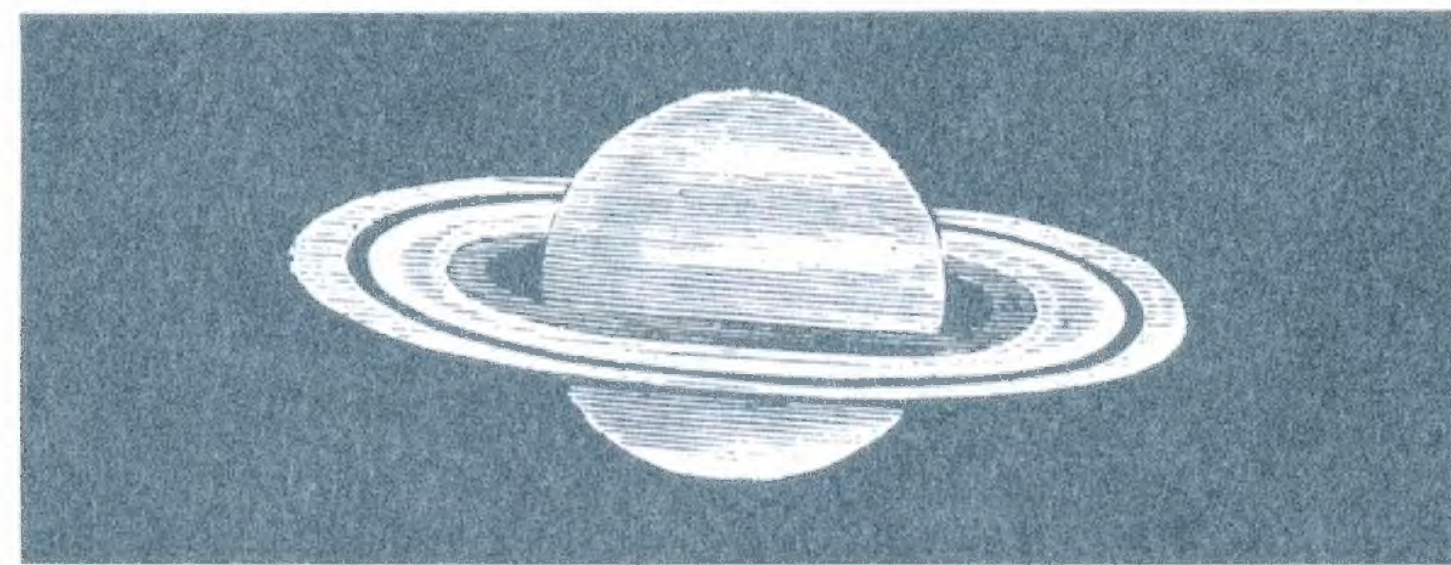
May Treat Morrison Auditorium

### Speaker

Dr. Lee Simon

### Subject

Close Encounters with the Ringed Giants



Imagine a planet with a million moons. Or a world with lakes of liquid methane. Picture a planet with a crimson hurricane three times the size of the planet Earth, or an orange-red moon with sulphur volcanos that make Mount St. Helens look insignificant by comparison.

Is this the setting for some science fiction fantasy from Hollywood? No, not at all — these worlds really do exist, and are right here in our own solar system. Two of them, the planets Jupiter and Saturn, have been seen since ancient times. The others are moons of Jupiter and Saturn, discovered since the invention of the telescope. The amazing and bizarre nature of these worlds was not fully realized, however, until NASA's Voyager 1 and Voyager 2 spaceprobes gave us close-up looks at them. The thousands of photographs and the enormous volume of data returned by the Voyagers have revolutionized our understanding of these distant worlds.

Join Dr. Lee Simon, Director of the Morrison Planetarium, and share the remarkable pictures, sounds, and discoveries of the Voyagers — including the results of the recent Voyager 2 encounter with Saturn. Your membership card will admit you through the main entrance at Cowell Hall for the evening presentations and through Cowell Hall and Wattis Hall entrances for the matinee. Please be prepared to show your card once again at the auditorium door for the matinee presentation.

## Special Exhibits

Roger Tory Peterson, who has inspired 20 million Americans to pick up binoculars and watch birds, is the subject of a new exhibit scheduled to open October 22 in Hohfeld Gallery II and Lovell White Hall. The exhibition, entitled **Roger Tory Peterson: Portrait of a Bird Watcher**, contains 22 original paintings and 14 color plates used in printing his famous "A Field Guide to the Birds," memorabilia from his studio in Old Lyme, Connecticut, a portion of the Canadian Broadcasting Corporation film called "Portrait of a Birdwatcher", and an audio-visual program of Peterson's own stunning photographs of his lively subjects.

Three fine arts posters commemorating the Roger Tory Peterson exhibition will be for sale at the Nature Company Museum Shop. Also available will be a complete stock of signed and numbered limited edition prints and a full selection of Roger Tory Peterson books.

On Saturday, October 24, a one-day symposium on birds and birding entitled **Wings** will be offered, featuring Roger Tory Peterson as well as several local bird specialists. (See this "Newsletter" for details).

Two new photo exhibits, also featuring birds, will open at the Academy this month. **Flight**, opening October 9 in Hohfeld Gallery I, is an exhibit in celebration of bird's flight, using detail photos of wings and feathers contrasted with action photos of birds in flight, by Frans Lanting and David Cavagnaro.

**Egrets**, opening October 16 in Cowell Hall, contains approximately 20 photos of these graceful birds found along the central California coast, by David Loring Greene.

**MAYNARD DIXON: Images of the Native American** continues through October 18.

This comprehensive collection of the works of the great Western artist includes paintings and sketches from the years between 1900 and 1940. A slipcased and hardbound catalogue is for sale for \$20.00 at the Nature Company Museum Shop at the Academy.

**Endangered Harvest** continues through November 8 in Lower Cowell Hall Gallery.

The planetarium's new sky show **The Voyager Legacy** takes a science fiction approach to the theory that someday intelligent beings elsewhere in the galaxy may find one of the Voyager spacecraft and decipher its sounds and pictures. In this exciting program

## Morrison Planetarium

a futuristic spacecraft intercepts the Voyager, probes its memory banks and has its computer tell the story of the trip from Earth. Showtimes for **The Voyager Legacy** are everyday at 2:00 p.m., Saturday and Sunday at 12:30, 2:00 and 3:30 p.m., and Wednesday and Thursday at 7:30 p.m.

**Exploring the Skies of the Season** — an enjoyable tour of the heavens — describes what's up in the current night sky, from stars and constellations to the phases of the moon, the visible planets, and any unusual astronomical events each Saturday and Sunday at 11:00 a.m. Please use your planetarium passes for free admission to both of these shows.

## Light Shows

Multi-media projections, incandescent special effects, laser animation, and a variety of music, all combine to provide a feast for the eye and the ear, under the 65 foot dome of the Morrison Planetarium. See Eye See the Light Show, Inc's three presentations at the following times:

**Lights Fantastic** - Friday at 7:30 p.m.  
Saturday at 5:00 and 7:30 p.m.  
Sunday at 5:00 p.m.

**Rock Fantasy** - Friday and Saturday at 9:00 and 10:30 p.m. Sunday at 7:30 p.m.

**Spotlight: Journey** - Thursday and Sunday at 9:00 p.m.

For more information, call 387-6300. Tickets are available through BASS at 835-3849. Admission is \$3.75 for adults and \$1.75 for seniors (65 and over) and children under 10.

Members are reminded that this is **not** a regular planetarium show, so your complimentary passes are **not** usable for this attraction.

## Special Lecture

**The Four Himalayan Kingdoms**

Speaker: Anthony Hutt  
Tuesday, October 13, 1981 8:00 p.m.  
Morrison Auditorium

Nepal, Bhutan, Sikkim and Ladakh - these exotic names conjure up visions of Saturday matinee adventures and novels by James Hilton, and until recently these little known lands have been shrouded in mystery. There are still farmers in the upper reaches of Nepal who believe that the world is flat, and Bhutan cherishes an efficient army of medieval bodyguards who wear centuries-old iron helmets and shields of rhinoceros hide. From the fabled valley of Katmandu in Nepal





with its 2,500 temples, shrines and multiple-storied pagodas to the top of the highest peak in the world, let scholar and lecturer Antony Hutt lead you on a photographic journey of the history, architecture and religions of these "kingdoms on the top of the world."

Antony Hutt resides in England and is currently on a lecture tour of the United States. He is a Fellow of the British Institute of Persian studies, was leader of the Cambridge expedition to Iran, Afghanistan and Turkey, and was Co-ordinator of the World of Islam Festival in London in 1971. Admission to this special lecture is free.

#### REMINDER:

Tickets are still available for both the Thor Heyerdahl lecture "*Early Man and the Ocean*" on Tuesday, October 13, 1981, and for the Donald Johanson lecture "*Lucy and the Evolution Revolution*" on Tuesday, November 17, 1981. Both lectures will begin at 8:00 p.m. and will take place in the Zellerbach Auditorium at the University of California at Berkeley. Tickets, which are \$6 for general admission, \$3 for students (unreserved seating) and \$25 for patrons, may be obtained by calling (415) 642-9988 Monday through Friday from 10 a.m. until 5:30 p.m. or by sending a check made payable to REGENTS, UNIVERSITY OF CALIFORNIA and a stamped, self-addressed envelope to University Box Office, University of California, Berkeley, CA 94720. Please be sure to specify which lecture you wish to attend.

## Inside the Academy

On recommendation of the Science Council, seven new names have been added to the list of Fellows of the California Academy of Sciences this year:

Dr. Glynn Isaac, anthropologist, Professor of Anthropology, University of California, Berkeley.

Dr. Ned Johnson, ornithologist, Professor of Zoology and Curator in Ornithology, Department of Zoology and Museum of Vertebrate Zoology, University of California, Berkeley.

Mr. Kenhelm Welburn Stott, Jr., zoologist, Smithsonian Research Collaborator for scientific expeditions, Smithsonian Institution, and Consultant, U.S. State Department, Western Pacific Desk.

Dr. Arthus C. Giese, biologist, Professor Emeritus, Biological Sciences, Stanford University, California.

Dr. Terry L. Erwin, entomologist, Curator, Department of Entomology, Smithsonian Institution and Deputy Director for Research, National Museum of Natural History, Smithsonian Institution.

Dr. Daphne F. Dunn, zoologist, Assistant Curator, Department of Invertebrate Zoology, California Academy of Sciences.

Dr. Jack A. Wolfe, paleobotanist, Research Associate, Museum of Paleontology, University of California, Berkeley.

Election to this body is in recognition of unusual attainments in science and active participation in the advancement of the work of the Academy. By charter, the number is limited to 300 persons who are elected for life. The new Fellows will be honored at the Annual Fellows Dinner early this month.

## WINGS: A One-Day Symposium

Saturday, October 24, 1981

Beginning at 9:00 a.m.

Morrison Auditorium

To every birder the name Roger Tory Peterson is a familiar one. Join Dr. Peterson and a host of other speakers for a one-day symposium to explore the fascinating subject of birds.

This program is offered in association with the exhibit **Roger Tory Peterson: Portrait of a Birdwatcher** opening October 22 in Lovell White Hall. (See this "Newsletter" for details.)

#### PROGRAM

**9:00 - 9:45 "Dinosaurs, Birds and the Evolution of Flight"**, Dr. Kevin Padian, Department of Paleontology, University of California, Berkeley

**9:45 - 10:30 "Darwin's Finches"** Dr. Robert Bowman, Department of Biology, San Francisco State University

**10:30 - 10:45 Break**

**10:45 - 11:30 "Avian Song Dialects or... Do Birds Learn to Whistle?"** Dr. Luis Baptista, Chairman, Department of Birds and Mammals, California Academy of Sciences

**11:30 - Noon Film: "Bird Brain"** (27 mins)

#### Lunch Break

**1:00 - 1:30 "Feathers, Eggs and Graceful Flight"** David Cavagnaro and Frans Lanting slide presentation

**1:30 - 2:15 "Sex and the Breeding Bird, or One Path to Better Birdwatching"** Bob Stewart, Point Reyes Bird Observatory

**2:15 - 3:00 "Penguins"** Dr. Roger Tory Peterson, artist, photographer, author, conservationist, and naturalist

**3:00 - 3:15 Break**

**3:15 - 4:00 "Birds in the Art of the Primitive World"** Dr. Jerome Feldman, Chairman of Humanities, Hawaii Loa College, Hawaii

**4:00 - 4:45 "Dreams Take Wing"** Dr. Tom Crouch, Curator, National Air and Space Museum, Smithsonian

**4:45 Film: "Early Whirlies"**



## Ticket Information and Reservation Form

Tickets are available for the symposium **Wings** with this registration form. Reservations will be accepted in order of receipt and unfortunately telephone reservations cannot be accepted for this event. Tickets will be sold at the door on a space available basis.

For further information please call the Education Office at (415) 221-5100.

### TICKET ORDER FORM

Please mail this form with check, made payable to the CALIFORNIA ACADEMY OF SCIENCES, and a self-addressed, stamped envelope to:

WINGS  
California Academy of Sciences  
Golden Gate Park  
San Francisco, CA 94118

**Price:** Members \$7.00  
Non-Members \$15.00

Name \_\_\_\_\_

Address \_\_\_\_\_

Zip Code \_\_\_\_\_

Daytime Telephone # \_\_\_\_\_

Tickets @ \$ 7.00 \_\_\_\_\_

Tickets @ \$15.00 \_\_\_\_\_

Total Amount Enclosed \_\_\_\_\_

**NO REFUNDS/NO EXCHANGES**

## Education and Travel

Explore the realm of natural science by joining an Academy adult education course. A variety of exciting topics are offered. Details are available in the Fall, 1981 Activities Calendar. For information, please call the Academy Education/Travel Office at (415) 221-5100, ext. 211.

### BEGINNING FLOWER IDENTIFICATION

October 1 - November 19

(8 Thursday lectures)

1 - 3:30 p.m.

October 24 & 25 (field trip)

Instructor: Dr. Glenn Keator

Cost: \$65 Academy and Strybing Arboretum members only

### ONCE AROUND THE UNIVERSE

October 6 - November 24

(8 Tuesday lectures)

7 - 9:00 p.m.

Instructor: Dr. Lee Simon

Cost: \$30 members

### REDWOODS OF THE WORLD

October 6 - 27 (4 Tuesday lectures)

7 - 9:00 p.m.

October 10-12 (field trip)

Instructor: Dr. Glenn Keator

Cost: \$40, Academy and Strybing members only

### MARINE ARCHAEOLOGY AND MARITIME HISTORY

October 7 - November 18

(omit November 11) (6 Wednesday lectures)

7 - 9:00 p.m.

Instructor: Elizabeth Shuey

Cost: \$25 members

### AN ARMCHAIR TOUR OF AFRICA

October 22 - November 12 (4 Thursdays)

7 - 9:00 p.m.

Instructor: Dr. Robert Drewes

Cost: \$20 members

### NATURE PHOTOGRAPHY

October 28, November 14 and 23 (lectures)

7 - 9:00 p.m.

November 7 & 14 (field trips)

Instructor: Robert Holmes

Cost: \$45 members

**Baja California Overland** - wait-list only  
November 7 - 14

**Sea of Cortez Cruise**  
November 14 - 21

Botanist Annetta Carter will lead one of our most popular tours south of the border to beautiful Baja California. The Overland portion of the trip has filled.

There are, however, seven spaces available on the Sea of Cortez cruise. You may fly from San Francisco to La Paz to join fellow Academy members for a fabulous 6-day trip to many of the southern islands of the scenic Sea of Cortez. Travel is aboard the comfortable *Baja Explorador*. Cost for the cruise is \$879 and airfare is currently \$216. For information on this special cruise or to wait-list for the Overland portion of the trip, please call the Academy Travel Office at (415) 221-5100.

### Coral Seas Cruising Expedition

November 15 - December 13

Dr. John McCosker will lead members on a spectacular cruise aboard *Lindblad Explorer* to Australia's Great Barrier Reef and beyond. This trip is co-sponsored with the Oceanic Society. Costs range from \$4950 to \$8130 for the cruise. Air is \$2093 at current G.I.T. rates. For information, call the Academy Travel Office at (415) 221-5100.

### Land of the Maya

January 9 - 26

Ancient Mayan ruins will be the focus of this archaeological exploration of Yucatan and Chiapas. Dr. Dorothy Washburn will lead members to Uxmal, Chichen Itza, Tulum, Palenque, and more. Some time will be spent in the lovely beach resort of Cancun and in the highlands of Chiapas at San Cristobal de las Casas. Optional extensions to Oaxaca and Mexico City are available. For information, call the Academy Travel Office at (415) 221-5100.

### Baja California Circumnavigated

January 23 - February 6

The *M.V. Northwest Explorer* has been reserved for Academy members for a second annual cruise around the Baja California peninsula. Led by Aquarium Director, Dr. John McCosker, and Ornithology Curator, Dr. Luis Baptista, the Academy group will see the herds of elephant seals and the whale lagoons of the west coast, plus the birds, fishes and bizarre plants of the Sea of Cortez. Costs for this extraordinary cruise range from \$2520 - \$3500. For information call the Academy Travel Office at (415) 221-5100.

### Sailing the Caribbean

February 4 - 15

Dr. Sylvia Earle will lead a tour to the exotic



Leeward and Windward Island chain in the Caribbean. Sailing aboard the luxurious square-rigged tall ship, the *Sea Cloud* to Antigua, St. Lucia, Bequia, Mustique, Tobago Cays, and Iles des Saintes, members will discover the lush beauty, colorful towns, and remote sea coves ideal for snorkeling, in this lovely island chain. This trip is co-sponsored with the Stanford Alumni Association. For information, call the Academy Travel Office at (415) 221-5100.

**Baja California Gray Whale Expedition**  
February 4 - 12

This 9-day cruise along the west coast of Baja California follows the migration of the California gray whales. Passengers aboard the *Qualifier 105* will visit the San Benitos Islands, San Ignacio Lagoon, Cedros Island, and San Martin Island. There will be numerous opportunities to photograph and observe the abundant wildlife of the area. For information, please call Nature Expeditions International at (415) 494-6572

**The Road to Mandalay and The Forgotten Islands of the Indian Ocean**

April 15 - May 16

Embark on the *Lindblad Explorer* in Singapore for a voyage in the Bay of Bengal and across the Indian Ocean. Ports-of-call during the first portion of this journey include Phuket in Thailand, Rangoon, and flights to Pagan and Mandalay in Burma, and Trincomalee and Colombo in Sri Lanka. The Maldiv Islands and the Seychelle Islands are the interesting destinations of the second portion of the voyage. You may select one or both programs. Brochures will be mailed to all members. For additional information, call the Academy Travel Office at (415) 221-5100.

**Alaskan Cruises - wait-list only**  
May 7 and May 17

Members will board the *M.V. Majestic Alaska Explorer* for cruises into the more remote regions of southwest Alaska. Participants will explore fiords, bays, beaches and observe black bears and humpback whales. Dr. and Mrs. Robert T. Orr will accompany Academy members on both cruise dates. The cruises are filled, however you may enter your name on a wait-list. For information, call the Academy Travel Office at (415) 221-5100.

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