



NMEA 2005

Kahului, Maui, Hawai'i

Nānā I Ke Kumu, Nānā I Ke Kai

Look to the Source, Look to the Sea

Aloha & Welcome to Maui

Ekomo mai. Come join us out here in the middle of the Pacific Ocean for another memorable NMEA Conference. Most events will take place at or near Maui Community College (MCC) in the harbor town of Kahului. Field trips and evening events will give you a chance to experience other parts of the Valley Isle.

About the Theme

Nānā I Ke Kumu, Nānā I Ke Kai - Look to the source, look to the sea. The word *kumu* has many other meanings including basis or foundation, reason or purpose, and teacher. Look forward to learning more Hawaiian language from the native speakers and in your conference program. There are a few words to get you started on page 7.

About NMEA

The National Marine Educators Association is dedicated to making known the world of water, both salt and fresh. NMEA includes professionals from education, business, government, science, and marine research. Members receive two publications *Current - The Journal of Marine Education* and *NMEA News*. For more information, contact the NMEA Office at P.O. Box 1470, Ocean Springs, MS 39566-1470, phone (228) 374-7557, e-mail to johnette.bosarge@usm.edu. Visit our web site at www.marine-ed.org/

Sponsors

Mahalo. We are most grateful for the generous support and assistance of the following organizations, agencies, and businesses who have made this conference possible

- OCEANIA, the Marine Science Section of the Hawai'i Science Teachers Association & Pacific Chapter of NMEA
- Maui Community College (MCC)
- Sea Grant College Program, University of Hawai'i
- National Marine Sanctuary Program
- Pacific Region National Marine Sanctuaries
- Hawaiian Islands Humpback Whale National Marine Sanctuary
- Pacific Whale Foundation (PWF)
- Dolphin Quest
- Curriculum Research & Development Group (CRDG), University of Hawai'i
- Marine Option Program (MOP), University of Hawai'i
- Marine Education Society of Australasia (MESA)
- Maui Ocean Center

Questions?

- 🐬 General Questions ~ Ann "Frannie" Coopersmith, coopersm@hawaii.edu, phone & fax (808) 579-8577
- 🐬 Registration ~ Kim Brand, KHBrand@ifas.ufl.edu, (352) 392-5930
- 🐬 Field Trips ~ Ann Fielding, annf@maui.net
- 🐬 Program ~ Erin Baumgartner, erinbaum@hawaii.edu or Liz Kumabe, kumabe@hawaii.edu
- 🐬 Auction ~ Patty Miller, patty.miller@noaa.gov
- 🐬 *Ho'olaule'a*: Exhibits, Sea Faire, Sea Swap ~ Kecia Joy, kecia@pacificwhale.org
- 🐬 Volunteers ~ Len Bloch, lebloch@ksbe.edu
- 🐬 Pre-Conference Workshops ~ Hawai'i Wildlife Fund, wild@aloha.net

Conference at a Glance

Sunday, 3 July – Monday, 11 July

Pre-Conference Workshops

Sunday, 10 July

8 AM – noon: Sea Grant Educators Network meeting
12:30–2:30 PM: NMEA Long-Range Planning Committee meeting

3–5 PM: NMEA Finance Committee meeting

Monday, 11 July

8 AM: Registration opens

8 AM – 3 PM: NMEA Board of Directors meeting

3–5 PM: NMEA By-Laws, Awards, Chapters, and Conference Committee meetings

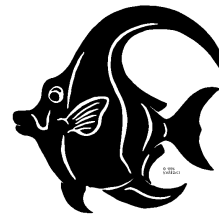
Evening: NMEA Board Dinner

Tuesday, 12 July

Field trips ~ Day 1

4 PM: Afternoon at the Beach

6:30 PM: *Lū'au*



Wednesday, 13 July

Field trips ~ Day 2

3 PM: NMEA Presidents Circle

4–9 PM: *Ho'olaule'a*: including Exhibitors Reception, Sea Swap, and Sea Faire

Thursday, 14 July

8–9 AM: Coffee Hour

9 AM – noon: Marine Science Symposium ~ Cutting Edge Technologies

Lunch break: Regional Chapter meetings

Noon – 6 PM: Exhibits open

2–5 PM: Concurrent Sessions 1, 2, and 3

6 pm: Evening at the Maui Ocean Center

Friday, 15 July

8–9 AM: Coffee Hour

9 AM – noon: Marine Science Symposium ~ Conservation & Sustainability

Lunch break: NMEA Committee meetings

2–5 PM: Concurrent Sessions 4, 5, and 6

5 PM: Pacific Whale Foundation Sunset Cruise

7 PM: Open House at the Ocean Sciences Discovery Center & Harborside Boogie

Saturday, 16 July

8–9 AM: Coffee Hour

9 AM – noon: Marine Science Symposium ~

Multidimensional Marine Science: Culture & the Arts

Lunch break: New NMEA Board meeting

2–5 PM: Concurrent Sessions 7, 8, and 9

5 PM: Auction, Taste of Maui, Annual Meeting & Awards

Sunday, 17 July & Monday, 18 July

All Day: One Ocean Marine Forum

By application and invitation from the NMEA

International Committee. For more information and

application form, go to <http://www.mesa.edu.au/inter/oomf01.asp>

Marine Science Symposia

The morning Marine Science Symposia will focus on

- Cutting Edge Research,
- Conservation & Sustainability, and
- Multidimensional Marine Science: Culture & the Arts.

Among the distinguished scientists and researchers participating in the Marine Science Symposia are

- ★ **Dr. Jo-Ann Leong**, Director of the Hawai'i Institute of Marine Biology and an expert in biotechnology;
- ★ **Dr. Sheila Conant**, Chair of the Zoology Department at the University of Hawai'i, research ornithologist in the Northwest Hawaiian Islands;
- ★ **Dr. Elliott Norse**, President of the Marine Conservation Biology Institute;
- ★ **Dr. Eric Brown**, Marine Ecologist with the National Park Service, research biologist with the Coral Reef Assessment & Monitoring Program;
- ★ **Dr. Jean Kenyon**, Joint Institute for Marine & Atmospheric Research, research biologist on the corals of the Northwestern Hawaiian Islands;
- ★ **Dr. Randall Kosaki**, Research Coordinator for the Northwestern Hawaiian Islands National Marine Sanctuary;
- ★ **Meagan Jones**, Executive Director of Whale Trust, research biologist on whale behavior; and
- ★ **Dr. Paul Forestell**, Professor and Coordinator of the Psychobiology Program at Southampton College of Long Island University and Vice President of the Pacific Whale Foundation.



Concurrent Sessions

Afternoon concurrent session presentations will cover a broad variety of curriculum innovations, research reports, and hands-on educational activities at all levels, as well as topics in technology, science, humanities, and the arts. Global scientific and ocean literacy will be explored in the One World-One Ocean international strand. Other strands include Hawaiian culture and interactions with the land and sea; aquaculture; invasive species; coral reefs; sustainable development; coastal processes; watershed management; conservation; ecotourism; marine careers and the work force; global change and natural disasters; plus the latest developments in national programs including Marine Protected Areas, National Marine Sanctuaries, and the Centers for Ocean Sciences Education Excellence (COSEE).

Special Events

Afternoon at the Beach ~ Tuesday, 12 July, ~ Free for conference registrants with badges

Join the infamous *NMEA Pike* at Kahekili Beach Park in Kā'anapali. Swim, snorkel, play frisbee, and loosen up with the NMEA Chapter Twister Competition. Beach showers available. Around sunset, walk down the beach to the *Lū'au* (or hop back on a shuttle bus!)

Lū'au ~ Tuesday, 12 July ~ \$70, guests welcome

The *Royal Lahaina Lū'au* is the most popular resort event in Kā'anapali. This event features refreshing tropical drinks, traditional Hawaiian *lū'au* food, many other buffet favorites, plus great entertainment by local musicians and dancers from around the tropical Pacific islands. Get ready to jump on the stage and learn to dance *hula*.

About transportation options on Tuesday, 12 July

- 1) from Maui Community College to the beach, leaving every few minutes from 3 to 4:15 PM,
- 2) from late field trips (T2, T5, T13) directly to the beach,
- 3) from Maui Community College directly to the Royal Lahaina leaving at 5:30 PM,
- 4) from the Hana field trip (T15) directly to the Royal Lahaina

Ho'olaule'a: including Exhibitors' Reception, Sea Swap, and Sea Faire ~ Wednesday, 13 July ~ Free for conference registrants with badges

In Hawai'i, *ho'olaule'a* is an event where people gather for a celebration and traditionally bring items to share. Meet the exhibitors and others who have curricula, supplies, materials, equipment, and great ideas. Enjoy *pūpū* and refreshments. Exhibitors fill out the form on page 9. The Sea Swap is only for those who are bringing some special items to trade with others. The Sea Faire is open to everyone who has something to share or promote. To reserve table space at the Sea Swap and/or Sea Faire fill out the form on page 8.

Pacific Region National Marine Sanctuary Program's Evening at the Maui Ocean Center ~ Thursday, 14 July ~ Free for conference registrants with badges

Pacific Whale Foundation Sunset Cruise ~ Friday, 15 July ~ Free for first 400 conference registrants

Cruise out from Ma'alaea Harbor for a lovely Maui sunset. Includes talks by PWF naturalists, entertainment, drinks, and *pūpū*. Unfortunately space is limited.

Open House at the Ocean Sciences Discovery Center & Harborside Boogie ~ Friday, 15 July ~ Free for conference registrants with badges

Visit the Pacific Whale Foundation's new educational facilities. Join the fun and dance the night away next to the harbor at Ma'alaea.

Auction, Taste of Maui, Annual Meeting, and Awards ~ Saturday, 16 July ~ Free for conference registrants with badges

Enjoy the flavors and treats of the islands. Bid early and bid often to support the NMEA Scholarship Program. Please contribute to the auction and use the form on page 8.

Conference Field Trips for Tuesday, 12 July and Wednesday, 13 July

For more information about various field trips, go to www.hawaii.edu/maui/oceania/NMEA05FT.html. To reserve a space, complete Section C on the online registration form. Note that Tuesday field trips are coded with a “T” and Wednesday with a “W.” Many of the field trips can only accommodate a small number of participants, so be sure to indicate your first and second choices. Leaders and guides are either volunteers from non-profit agencies or business operators who were selected based on their continued service to local education and their dedication to conservation and environmental preservation. A detailed information sheet will be mailed to participants once the trip is confirmed. Field trips are open to conference registrants only. If space is available, family members may sign up during conference registration on Monday, 11 July. There will be an Activity Desk for family members who would like make arrangements for trips for during the conference. Lunch and roundtrip transportation from MCC are included unless noted. Weather and sea conditions may necessitate last minute changes in field trip locations so, please use the transportation provided rather than try to drive. The times listed are for departure from and return to MCC. There are a couple of transportation exceptions 1) participants signing up for scuba diving charters that leave early from Kihei boat ramp (W5, T6, W6, T7, W7) should use their own transportation and may go to the Field Trip Desk at registration if they need to make arrangements 2) some Tuesday field trips that end later in the day are going directly to the Afternoon at the Beach of the Lu‘āu in Ka’anapali. There will be a \$10 fee for field trip cancellations.

T1 & W1: Snorkel Honolua Bay Marine Life Conservation District 7 AM – 1 PM, \$45, limit 10

Honolua Bay is one of only two no-take zones on the island of Maui and it is only calm enough to snorkel in the summer. Join marine biologist/author Ann Fielding for a look at the great variety of Hawaiian fishes and corals—some found nowhere else in the world!

T2 & W2: Discover Lāna‘i Sunrise Excursion 5:15 AM – 5 PM, \$170, limit 50

Sail to the island of Lāna‘i aboard the *Trilogy*. Exclusive access to Hulopo‘e Beach, Lāna‘i (voted #1 beach in America) with great snorkeling in a Marine Life Conservation District. Optional SCUBA dive at additional cost. Van tour of the old plantation town is also available. Play volleyball, sunbathe, explore, and enjoy a delicious BBQ lunch at *Hale O Manele* Pavilion overlooking Manele Bay. Afternoon tradewind sail back to Maui. NOTE: Tuesday’s participants will be picked up at the Lahaina Harbor to go directly to the Afternoon at the Beach in Kā’anapali.

T3 & W3: Iao Stream Ecosystem and the Hawai‘i Nature Center Noon – 4 PM, \$40, limit 12

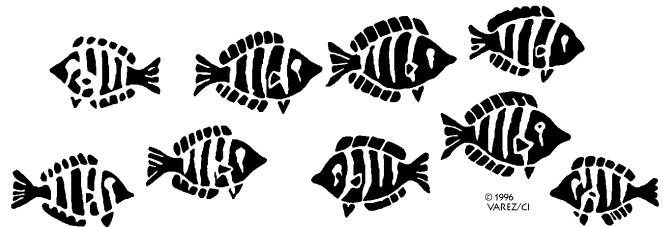
Walk a one-mile loop to explore the freshwater ecosystem of Iao Stream. Watch endemic shrimp and gobies (*‘o‘opu*) dart about in pools and waterfalls. Tour the interactive natural history museum and learn about the ecology of this special place.

T4: Introduction to REEF (Reef Environmental Education Foundation) Fish Identification & Ecology Workshop Noon – 4 PM, \$25, limit 60

Learn to identify the common reef fishes of Hawai‘i. REEF surveys are fun and easy and they help promote stewardship of marine resources. Teachers will learn how to integrate these themes into their science programs and will receive materials from the REEF Kids curriculum. Join us on a snorkeling excursion the next morning for a hands-on experience using the REEF protocol. Register for workshop and snorkeling separately. Optional \$15 Hawai‘i REEF Kit with fish identification card and underwater slate are available at the workshop.

W4: REEF Fish Identification 7 am – 1 pm, \$40, limit 14

Snorkel and conduct a fish survey at one of Maui’s coral reef using the REEF protocol — see T4: Introduction to REEF.



T5: Pacific Whale Foundation’s Dolphin Discovery around the Island of Lāna‘i 6:30 AM – 2 PM, \$80, limit 28

Join an exciting voyage to survey the waters of Maui County in an on-going study of toothed whale distribution and abundance. Researchers and educators will lead this voyage of discovery aboard the high-speed catamaran, the *Ocean Explorer* out of Lahaina Harbor. Use survey techniques and equipment while learning about our resident toothed whales and dolphins. If time permits, we’ll take a refreshing swim. NOTE: Tuesday’s participants will have an opportunity to explore Lahaina and will be picked up at 4 PM to go to the Afternoon at the Beach in Kā’anapali.

W5: Diving the Island of Lāna‘i with Ed Robinson’s Diving Adventures 6:30 AM at Kihei boat ramp – 2:30 PM, \$145, limit 12, with own transportation

Ed started diving professionally in Hawai‘i in 1971 and is a well-known underwater photographer. There is a natural history and marine animal talk before and after each dive. The emphasis is on service and safety, with no more than six divers per divemaster. Their 30’ aluminum dive boats carry 12 divers each and offer shade and a freshwater rinse. The boats are underwater photographer friendly. Two tank dives. \$15 gear rental. Scuba certification required.

T6 & W6: South Maui and/or Molokini with Ed Robinson's Diving Adventures
6:30 AM at Kihei boat ramp – noon,
\$125, T6 - limit 24, W6 - limit 24,
with own transportation

See W5 for details about this scuba diving operation. Pastry, snacks, and beverages provided.

T7 & W7: South Maui and/or Molokini with Mike Severns Diving
6:15 AM at Kihei boat ramp – 11:30 AM, \$110, limit 12,
with own transportation & lunch

Mike Severns Diving has been in operation for 20 years. The crew is experienced at guiding divers in these waters and pointing out unique animals and interesting behaviors. Pre-dive briefings are full of natural history details and special insights. Dive sites are chosen by the group the morning of the dive. See W5 for details about this scuba diving operation. Pastry, snacks, and beverages provided. Two tank dives. \$15 gear rental. Scuba certification required.



T8 & W8: Hawaiian Outrigger Canoe Paddling
8 AM – noon, \$25, limit 40

Learn the importance of the outrigger canoe in traditional Native Hawaiian culture and how paddling is experiencing an important revitalization today. Learn to paddle six-person outrigger canoes with the Hawaiian Canoe Club. Then, test your skills and challenge colleagues in a double-elimination regatta. Let's see if NAME can paddle faster and maneuver a canoe better than GAME! The canoe *hale* is walking distance from MCC.

T9: Geology Tour of Haleakalā National Park
8 AM – 3 PM, \$45, limit 10

Start at the 10,000' summit of this massive dormant volcano and drive down the slopes to sea level. Learn about the geological features you see along the way, such as the three main rift zones, dikes, sills, cinder cones, a'a and pohohoe lava flows.

W9: Hike the Crater: Natural History of Haleakalā
6:30 AM – 6:30 PM, \$50, limit 10

Experience the magnificence of Haleakalā on a strenuous, 11-mile guided hike through the park from the 10,000' summit aolian-alpine cinder desert to the native shrublands at 7,000'. Hike down Sliding Sands Trail, across the floor of the crater, and up Halemau'u Trail. Participants must be in EXCELLENT physical condition and have comfortable hiking boots. This is one of the most spectacular hikes in the world!

T10 & W10: Coastal Kayaking
6:15 AM – 1 PM, \$70

Kayak in the early morning, calm waters along the Maui coastline. Discover a different side of Maui that few people ever see—pristine tropical waters teeming with marine life, colorful corals, vibrant reef systems, and many green sea turtles.

T11 & W11: Native Hawaiian Rain Forest in the Waikamoi Preserve
7 AM – 3 PM, \$35, limit 14,
a donation to The Nature Conservancy
will be greatly appreciated

Hike into one of the few remaining pristine native Hawaiian rain forests. The lush *koa/ohi'a* forest ecosystem is home to the rare and endangered honeycreepers. Begin at the 6,700' elevation and walk down mountain trails to a raised boardwalk in the rain forest at 6,000'. Total distance is 2.5 miles. Participants must be in very good physical condition and have comfortable hiking boots.

T12 & W12: Learning to Surf: The Sport of Hawaiian Ali'i
8 AM – noon, \$80, limit 14

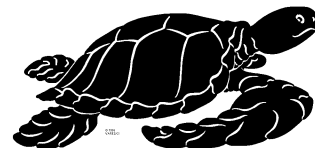
Enjoy the crystal clear waters and light breaking waves that are perfect for learning to surf. The local instructors with *Rivers to the Sea* all have at least 25 years experience in these waters. They will teach you ocean safety and offer valuable tips on how to read the nearshore waters. The focus is on fun. All equipment provided. Participants must be good swimmers.

T13 & W13: Behind the Scenes at the Maui Ocean Center
11:30 AM – 4 PM, \$40, limit 45

Immerse yourself in unique marine environment of Hawai'i. From coral polyps to sharks, you will learn about the underwater residents from experienced marine biologists. How did marine life get to the most isolated islands in the world? Why are fish so colorful and shaped so differently? How often do sharks eat? Find the answers to these questions and so much more! Tour behind the scenes with the expert curatorial staff. NOTE: Tuesday's participants will be picked up to go directly to the Afternoon at the Beach in Kā'anapali.

T14 & W14: The Hidden Valley - Kahakuloa Hawaiian Cultural Experience
7 AM – 2 PM, \$70, limit 20

Drive past spectacular ocean views, along the rugged West Maui coastline. Go up Kahakuloa Valley to the end of the road where few visitors go. You will see remnants of a village where thousands of Hawaiians lived many years ago. Gain an understanding of how they survived in harmony with the elements, how they respected the land, and planned for the future. You will have an opportunity to get up to your knees in mud and feel what it is like to be a taro farmer.



T15 & W15: Drive to Hāna
8 AM – 6:30 PM, \$100, limit 10

Enjoy the spectacular 50-mile drive to Hāna, which weaves along the coastline through dense jungles, across picturesque valleys and streams, and past isolated villages. Stop at interesting places along the way including black sand beaches and refreshing waterfalls. Enjoy a picnic lunch at one of the beautiful parks. NOTE: Tuesday's participants will be dropped off at the *Lū'au* in Kā'anapali at 6:30 PM.



T16 & W16: Maui Tidepools
(Na Mea Ike, Honi a me Ai Kaheka)
9:30 am – 2:30 pm, \$40, limit 14

Experience a multi-sensory tidepool exploration focusing on the traditional Hawaiian uses of nearshore marine resources. Explore the lava rock tidepools on foot, then snorkel the crystal clear waters off Keawakapu Beach. Brought to you by the Pacific Whale Foundation Education Team.

T17 & W17: Learn to Windsurf
8:30 am – noon, \$90, limit 14

Maui is one of the most popular windsurfing areas in the world due to the constant northeast tradewinds that funnel through the island. Local experts will help beginners discover the correct methods for enjoying this exciting sport or will explain to experienced sailors how to get the best out of their Maui experience. All equipment provided. Participants must be strong swimmers.

W18: Biofilms & Biodiversity in Kahului Harbor
9 am – 3 pm, \$25, limit 20

Join Adam Frederick, University of Maryland Sea Grant, and Bob Bruck, local marine scientist, for a workshop using the successful Biofilm & Biodiversity Protocol. Get an upclose and personal view of the biofilms and biofouling communities in Maui. The experiment is currently underway and by the time you arrive for the field trip our special biofilm discs will be teaming with marine organisms, Hawaiian style! Gain an understanding of how to perform these experiments in any aquatic ecosystem, collect discs from the harbor and return to the MCC lab for some observation that is sure to be outstanding experience in "microscopic snorkeling".

W19: Rebuilding a Wall — Revitalizing a Culture
8:30 am – 1 pm, \$30, limit 30
a donation to 'Ao'ao O Na Loko I'a O Maui
will be greatly appreciated

Adjacent to the headquarters of the Hawaiian Islands Humpback Whale National Marine Sanctuary lies a Hawaiian cultural treasure that's being revitalized. Join the volunteers from 'Ao'ao O Na Loko I'a O Maui (Association of the Fishponds of Maui) as they tell you about the restoration process of this 500-year-old Native Hawaiian fishpond, plus much more about the culture. Participate in this historical endeavor by helping in the restoration of the wall of ancient Ko'ie'ie Fishpond.

Pre-Conference Workshops

For full descriptions of the following workshops go to www.hawaii.edu/maui/oceania/NMEA05PRE.html

Ocean Exploration

Monday, 11 July, 8 AM – 4 PM, \$25, limit 30, at MCC

Bring the excitement of current ocean science discoveries to your students using this ocean exploration curriculum <oceanexplorer.noaa.gov/edu/curriculum/welcome.html> Join Dr. Valerie Chase and Paula Keener-Chavis for inquiry- and standards-based activities tied directly to ocean expeditions. For more information and registration forms, contact Valerie Chase at vchase529@worldnet.att.net

The following four workshops are residential. Fees include accommodations, transportation, curriculum materials, and most meals. Limited to 12 participants. There are some full scholarships for teachers — first priority is for Title I schools in Hawai'i. For more information, registration forms, and scholarship applications, contact Hawai'i Wildlife Fund at wild@aloha.net

Coral Reef and Reef Fish Ecology

7–10 July, \$630, Camp PECUSA in Olowalu

Live next to a coral reef while studying this special ecosystem. Explore some of Maui's most beautiful reefs and learn to use the Reef Environmental Education Foundation (REEF) fish survey method. Special snorkel charters to the world-famous Molokini crater and the island of Lāna'i. A night reef excursion will investigate coral spawning. Workshop fee includes a full two-week stay (3–17 July) at Camp PECUSA.

The Ecology of Sea Turtles

3–7 July, \$770, Maui Seaside Hotel

The workshop will introduce teachers to the wonderful world of sea turtles by visiting their various habitats and experiencing their world. Taught in and around the nearshore waters, coral reefs, and beaches where turtles live. The workshop will introduce teaching activities related to the ecology of sea turtles, along with hands-on field activities led by local sea turtle experts and resource managers.

Coral Spawning

7–10 July, \$630, Maui Seaside Hotel

Many corals reproduce sexually only once or twice a year during highly synchronized spawning events. Hawai'i is one of the few places in the world where these events are easily observable. Learn about the magical life cycles of corals with hands-on activities and excellent curriculum materials.

Wild Hawai'i Curriculum

Taking Care of the Fragile Environment

(E Malama Ha'i Wale ka Wahi)

3–7 July, \$750, Maui Seaside Hotel

Meaningful outdoor experiences will immerse teachers in Maui's *ahupua'a*. Compare traditional Hawaiian resource management styles with contemporary methods through field trips with cultural specialists and resource personnel. This interactive training will increase basic knowledge of the dynamics and interconnections of the land and waters and develop an appreciation for the delicate ecosystems of Hawai'i. Introduces activities from the *Wild Hawai'i* curriculum.

Travel Information

Airfare Reservation Discounts

*If possible, make airline reservations direct to
Kahului, Maui (OGG)*

United Airlines

- ✈ Phone 1-800-521-4041
- ✈ Meeting Desk is open everyday from 8 am to 10 pm EST
- ✈ Meeting ID Number 529CK

General rules

- ✈ Domestic travel including San Juan, Puerto Rico - 10% discount off unrestricted, fully refundable coach fare or 5% discount off lowest applicable fares including first class. An additional 5% discount will apply when tickets are purchased at least 30 days in advance.
- ✈ International travel including Canada - 10% discount off lowest applicable fares, excluding first class, or 15% discount off full coach fares with no advance purchase necessary. An additional 5% discount will apply when tickets are purchased at least 60 days in advance.
- ✈ Reservations are taken up to 331 days in advance.
- ✈ Discounts do not apply to web-based reservations.
- ✈ Discounts apply to travel five days before and eight days after the official conference dates which are 7-17 July 2005

For special car rental discounts in conjunction with this offer, contact

- ✈ Avis 1-877-289-2611, reference number K019303
- ✈ Alamo 1-800-327-9633, reference number 38981GR

ATA

- ✈ For bookings directly with ATA, phone 1-877-282-4322.
- ✈ Meeting & Convention Desk is open 8 am to 7 pm EST, Monday through Friday.
- ✈ Tell agent you are with National Marine Educators Association and give the Convention Code: MC50164.

General rules

- ✈ 15% discount on Y/H classes service and 5% discount on M/L/B classes of service.
- ✈ Discounts apply to travel 5-21 July 2005.
- ✈ Discounts are not available for travel July 1-4 and 9-10, 2005.
- ✈ If using a travel agent, explain that there is a negotiated convention discount with ATA. Travel agent must email conventions@iflyata.com and request ticketing instructions for National Marine Educators Association, convention code MC50164. Email must contain the agency name, address, ARC number, and pseudo city code. Contract and ticketing instructions will be mailed to agent for ticketing.

Time Differences – The time in Hawai‘i is two hours BEHIND = EARLIER = the sun gets here later, than Pacific Standard time (PST) on the west coast of the mainland and three hours behind during Pacific Daylight Savings Time (PDT.) Please, don’t phone us from the mainland at 7 AM your time!

<i>During Daylight Savings Time</i>				
Hawai‘i	San Francisco	Ocean Springs, MS	New York	Sydney
0800	1100	1300	1400	0400
				next day

Registration Fees & General Information

Conference Fees — Full conference registration fee of \$350 includes the Marine Science Symposium; Concurrent Sessions; *Ho‘olaule‘a*: Exhibitors Reception, Sea Swap and Sea Faire; Evening at the Maui Ocean Center; Pacific Whale Foundation Sunset Cruise; Open House at the Ocean Sciences Discovery Center & Harborside Boogie; and the Auction & Taste of Maui. The *Lū‘au* is not included in the conference fees, and family members and guests are welcome at this event. Renewing member and non-member fees include a one-year NMEA membership. All session presenters are expected to register for the conference. Day rates include both day and evening events.

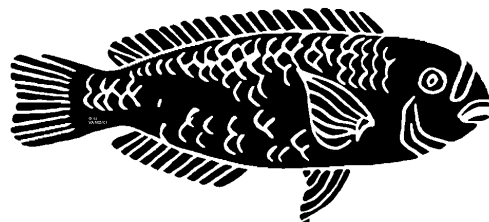
NMEA Conference Scholarships — There are 10, \$350 scholarships available for NMEA members in good standing who live in the United States and territories. These awards cover conference registration fees only. Funds for these scholarships are made available through the NMEA Auction. There are also two \$500 scholarships available for NMEA members in good standing who live outside the United States and territories. These were made possible by a gift from the Ocean Technology Foundation and are intended to help cover transportation costs as well as registration. Application forms are available online at www.marine-ed.org/ or contact the NMEA National Office. Application deadline is 1 May 2005.

NMEA Buddy Program — Is this your first NMEA Conference and you’d like a clue about what’s going on? Or are you a “seasoned” member who would like to help new participants get better acquainted with the organization and the traditions? On the registration form, check that you would like to participate in this program and get a new best friend! For more information, contact Mare Timmons at (912) 598-2353, mare@uga.edu

Child Care — Arrangements may be made in advance for qualified babysitters to care for participants’ children at the Head Start facility, on the MCC campus. To make reservations, contact Betsy Bergevin at (808) 205-2352 by 1 July. To have childcare in your condo, hotel, or rental unit, contact the Nanny Connection, Inc. at (808) 875-4777.

College & Continuing Education Credit — There are two types of college credit options available for participation in the conference 1) three upper division credits through the University of Hawai‘i at Mānoa, College of Education and 2) continuing education (professional development) credits through the University of Hawai‘i Outreach College. On the registration form, check that you would like more information about these credit options and registration forms.

Refund Policy & Special Needs — See the bottom of the Registration Worksheet on page 11.



Some Accommodation Options on Maui

Kahului ~ walking distance to Maui Community College and the Maui Arts & Cultural Center

Maui Seaside Hotel

- ☎ \$82/night plus tax, two double beds
- ☎ 1-800-560-5552, ask for Lynnette or Michelle

Maui Beach Hotel

- ☎ \$105/night plus tax, rates effective 7-16 July 2005
- ☎ One or two persons, two doubles or one queen, \$25 for each extra person in room, no rollaways
- ☎ Rooms held until 7 May at this rate
- ☎ NO phone reservations; download the PDF reservation form found at <http://www.hawaii.edu/maui/oceania/NMEA05ACCOM.html>. Fill it out and fax or mail it to the hotel.

Kihei ~ 20-30 minute drive

Condominium Rentals Hawaii

- ☎ <http://www.crhmaui.com/index.html>
- ☎ Located in the beachside tourist area of Kihei. All reservations are subject to a \$25 reservation fee and the Hotel/Transient and Hawaii State tax of 11.42%. 15% discount to conference attendees.
- ☎ Call Reservation Department at 1-800-367-5242 ext. 1 and provide the code GRP15 - NMEA. Inquire about car rentals for around \$20 per day.
- ☎ The condos that this booking agent has selected for NMEA are listed below. The number in parenthesis is maximum occupancy, the first price listed is cost per night for 4-6 nights, second is cost per night for 7-28 nights.

Maui Kamaole

- ☎ 1 bedroom garden view: (4), \$145, \$130
- ☎ 1 bedroom ocean view: (4), \$170, \$155
- ☎ 2 bedroom garden view: (6), \$200, \$180
- ☎ 2 bedroom ocean view: (6), \$220, \$200

Kihei Akahi

- ☎ Studio: (2), \$100, \$85
- ☎ 1 bedroom with A/C: (4), \$125, \$110
- ☎ 2 bedroom with A/C: (6), \$155, \$135

A Few Hawaiian Words . . .

a'ā - rough lava rock
ahupua'a - land division extending from the uplands to the sea, that functioned as a regional resource management area
ali'i - chief, chiefess, ruler, monarch, noble
aloha - greetings, hello, goodbye
a hui hou - goodbye, until we meet again
e komo mai - welcome
hale - house, building, lodge, hall
ho'olaule'a - celebration, festival, gathering
kai - sea, sea water
lū'au - a traditional feast named for young taro leaves
mahalo - thanks

North Shore (Pā'ia/Kū'au/Ha'ikū) ~ 15+ minute drive

Maui Sports Vacation

- ☎ Wide range of lovely vacation rentals
- ☎ <http://www.mauisports.com>
- ☎ Call Katy Hargreaves, 1-866-300-MAUI (6284)

Chameleon Vacation Rentals Maui

- ☎ Hand picked for quality and aloha spirit
- ☎ <http://www.donnachameleon.com>
- ☎ Call Donna at 1-866-575-9933

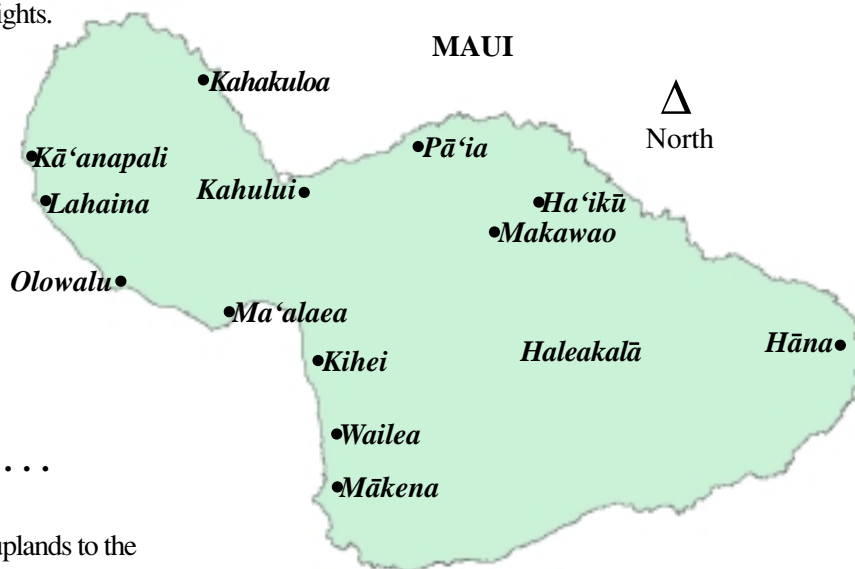
Rainbow's End Surf Hostel

- ☎ Simple, clean, cheap. This is one of the few total recycling, no-waste businesses on Maui
- ☎ <http://www.mauigateway.com/~riki/index.html>

Olowalu ~ 25 minute drive

Camp PECUSA

- ☎ Classic, rustic, beachside camp with good snorkeling; dear to the hearts of many NMEA members.
- ☎ <http://www.maui.net/~norm/pecusa.html>
- ☎ Bring bedding and towels. Kitchen and laundry facilities available (no maid service!) Cots in cabins for 42 people. \$250/two weeks July 3-17, no discount for fewer days, conference registrants only. Tent space available on the lawn at the same price.
- ☎ George "Sandman" Duane will be the on-site manager. For information and reservations, please phone Shannon at 1-808-205-7273. Do not phone the camp or George.



makai - toward the ocean
mālama - care for, preserve, protect
mauka - inland, toward the mountain
Maui - the demigod & trickster famous for snaring the sun
mele - song
pāhoehoe - smooth, unbroken type of lava
pule - prayer, blessing
pūpū - appetizer, general name for marine or land shells
wai - water or liquid other than sea water

Sea Swap & Sea Faire Reservation Form

The traditional Sea Swap and Sea Faire will be part of the *Ho'olaule'a* on Wednesday, 13 July at Maui Community College. Only conference registrants may reserve space. The Sea Swap will begin at 5 PM and is only for those who bring special items to trade. The Sea Faire will begin at 6 PM and is open to everyone who has something to share or promote. Participants in the Sea Swap may join the Sea Faire when the Sea Swap is over. The sale of materials is not permitted, but sample copies of materials and products with orders forms are encouraged. NOTE: Soil is not permitted to be brought into Hawai'i. Sand and empty shells must be clean and free of any soil residue. These items must be noted on the Agricultural Declaration Form and offered for inspection if requested.

I will participate in the ___Sea Swap ___Sea Faire ___both

Name_____

Organization/Institution_____

Address_____

City_____State/Province_____

Zip Code/ Postal Code_____Country_____

Phone_____Fax_____Cell_____

E-mail_____

Do you need electricity? ___yes ___no If yes, you must provide your own extension cord.

This form is not included with online registration. Mail this form to Kecia Joy, Ocean Science Discovery Center, 300 Ma'alaia Road, Suite 211, Wailuku, HI 96793 or fax it to (808) 243-9021. For additional information, contact Kecia at (808) 244-8392 or kecia@pacificwhale.org

Annual NMEA Scholarship Auction Gift Form

The Annual NMEA Scholarship Auction will be held on Saturday evening, 16 July at the Velma Santos Community Center in Wailuku with the Taste of Maui, Annual Meeting & Awards.

Description of Item_____

Donated by_____Retail value_____

Organization/Institution_____

Address_____

City_____State/Province_____

Zip Code/ Postal Code_____Country_____

Phone_____Fax_____Cell_____

E-mail_____

This form is not included with online registration. Mail your donation, with this form, to Patty Miller, Hawaiian Islands Humpback National Marine Sanctuary, 726 South Kihei Road, Kihei, HI 96763. If your prefer, bring your items and forms to the Auction Table at registration on Monday, 11 July. For more information, contact Patty at (808) 879-2818 or patty.miller@noaa.gov

For NMEA Auction Committee use only:

Item donated by_____

Description_____

Catalog number_____ Acknowledgement_____ Price_____

Exhibitor and Vendor Registration Form

Exhibitors will have access to the exhibit space to set up on Wednesday, 13 July from 9 AM to 4 PM. Exhibitors Reception will be part of the *Ho'olaule'a* from 4 to 9 PM on Wednesday, 13 July. Exhibits will also be open from noon to 6 PM on Thursday, 14 July. Exhibitors will take down displays from 9 AM to 4 PM on Friday, 15 July.

Please type or print information clearly exactly as it should appear in the program and booth.

Name _____

Organization/Institution _____

Address _____

City _____ State/Province _____

Zip Code/ Postal Code _____ Country _____

Phone _____ Fax _____ Cell _____

E-mail _____

Web site _____

Briefly describe your organization's mission and goals, and provide information about items that will be sold.

Exhibitors will have one table 24" x 6' or 30" x 6', two chairs, and an optional table skirt.

___ New NMEA Exhibitor: on or before 20 June - \$170; after 20 June - \$190 \$ _____

___ Returning NMEA Exhibitor who was a paid exhibitor at NMEA 2004 - \$150 \$ _____

___ 501(c)3 non-profit organization or agency - \$50; if selling items - \$75 \$ _____

___ Additional number of 30" x 6' tables needed _____ @ \$30 each \$ _____

___ Electricity needed, may be an additional charge, and MUST bring own extension cords

Total \$ _____

Payment Method

___ Check made payable to NMEA 2005

___ Money order made payable to NMEA 2005

___ Purchase order number, Federal ID # _____

___ Credit card: ___ Master Card ___ VISA ___ American Express ___ Discover Card

Credit Card Number _____

Expiration Date _____

Name as it appears on card _____

Signature _____

___ Send invoice to the address above or at a different address listed below

Address _____

City _____ State/Province _____

Zip Code/ Postal Code _____ Country _____

This form is not included with online registration. Mail this form to Kecia Joy, Ocean Science Discovery Center, 300 Ma'alea Road, Suite 211, Wailuku, HI 96793 or fax it to (808) 243-9021. For additional information, contact Kecia at (808) 244-8392 or kecia@pacificwhale.org

National Marine Education Association 2005 Conference Registration Worksheet

This is a worksheet for planning your registration. DO NOT mail in this form. All registration must be done online at <http://www.hawaii.edu/maui/oceania/NMEA05REG.html> In addition to credit card payments, checks, money orders, and purchase orders are accepted.

Write your name as you would like it to appear on your badge.

SECTION A - Participant Information

Ms./Mrs./Mr./Dr. _____

First Name Last Name

Institution _____ Position _____

Address _____

City _____ State/Province _____

Zip Code/ Postal Code _____ Country _____

Phone _____ Fax _____ Cell _____

E-mail _____

Regional NMEA Chapter _____

Maui Accommodations (if known) _____

NMEA Buddy Program - If checked, an NMEA member will contact you.
 New Members - Check if you would like to participate in the Buddy Program.
 "Seasoned" Members - Check if you would like to become a mentor for a new member.

Credit Options

Please send information about registering for a three-credit upper division course for participation in the conference. This course is through the University of Hawai'i at Mānoa, College of Education.
 Please send information about registering for continuing education (professional development) credit for teachers participating in the conference. This credit is through the University of Hawai'i Outreach College

Conference T-Shirts

White shirt with blue logo, \$12 each. Pay at registration when picking up shirts. Indicate number of each style and size.

Scoop neck S M L XL Crew neck S M L XL

Conference Participant Roster

I do not want my address and e-mail included in the Conference Participant Roster.

SECTION B - Conference Fees

Fees include the Marine Science Symposium; Concurrent Sessions; *Ho'olaule'a*: Exhibitors Reception, Sea Swap and Sea Faire; Evening at the Maui Ocean Center; Pacific Whale Foundation Sunset Cruise (limited to first 400 registrants); Open House at the Ocean Sciences Discovery Center & Harborside Boogie; and the Auction & Taste of Maui. The *Lū'au* is not included in the conference fees. NOTE: Renewing member and non-member fees include a one-year NMEA membership.

	Postmarked by 1 May	After 1 May	
<input type="checkbox"/> Member	\$350	\$425	\$ _____
<input type="checkbox"/> Renewing & non-member	\$390	\$465	\$ _____
<input type="checkbox"/> NMEA Scholarship Recipient	none	none	

Day Rates. (Includes both day and evening events. Does not include field trip days.)

Indicate which day(s) you will attend Thursday Friday Saturday

Member \$120 per day \$ _____

Non-member \$160 per day \$ _____

Total for Section B \$ _____

SECTION C - Field Trips

Field trips will take place on Tuesday, 12 July and Wednesday, 13 July. Please indicate first and second choices. Field trip descriptions are found on pages 3, 4, and 5. Pay for your first choice. Field trips are for conference registrants only. Any openings will be made available for family members at registration on Monday, 11 July, and there will be an Activity Desk for family members who would like make arrangements for trips during the conference. Please make your selections carefully as there is a \$10 processing fee for cancellations.

	First choice	Second choice	
12 July	_____	_____	\$ _____
13 July	_____	_____	\$ _____
___ Vegetarian lunch requested			
			Total for Section C \$ _____

SECTION D - Tickets for Lū'au

The Lū'au is optional and is not included in the basic conference registration fee. Family members and guests are welcome. Price includes roundtrip bus transportation to Ka'anapali from MCC or from field trips that end later in the day. See details on page 2.

12 July - Lū'au \$70 each	Number of tickets _____	Total for Section D \$ _____
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SECTION E - Payment in Full Required

Payment Options

- ___ Check, make payable to University of Florida Leadership & Education Foundation (UFLEF)
- ___ Money order, make payable to University of Florida Leadership & Education Foundation (UFLEF)
- ___ Purchase order
- ___ Credit card: ___ Master Card ___ VISA ___ American Express ___ Discover Card

Credit Card Number _____

Expiration Date _____

Name as it appears on card _____

Total for Section B \$ _____

Total for Section C \$ _____

Total for Section D \$ _____

Total Conference Fees \$ _____

Mail checks, money orders, and purchase orders to Kim Brand, NMEA 2005 Conference Registrar, Office of Conferences & Institutes (OCI), PO Box 110750, Building 639 Mowry Road, Gainesville, FL 32611-0750.

Refund Policy

Cancellations received in writing by 20 June 2005 will receive a refund for conference fees paid minus a \$50 processing fee. Mail to Kim Brand, NMEA 2005 Conference Registrar, Office of Conferences & Institutes (OCI), PO Box 110750, Building 639 Mowry Road, Gainesville, FL 32611-0750. This policy applies to all conference activities including special events and field trips. The Conference Committee reserves the right to withhold field trip fee(s) if the cancellation affect its viability, No refunds will be issued after 20 June 2005 unless the conference is cancelled due to acts of nature.

Special Needs

Participants with special needs can be reasonably accommodated by contacting the Conference Committee at least 10 working days prior to the conference by phone (808) 984-3312 or fax (808) 984-3660.