

**An Active Organization
of Divers Committed
to the Preservation of the
Marine Environment**

REEF Board of Trustees

Paul H. Humann REEF founder
Marine life author and photographer

Ned DeLoach REEF founder
President New World Publications

James P. Dalle Pазze, Esq.
Herdeg, du Pont & Dalle Pазze, LLP

Dennis Liberson
Senior Vice President of Human Resources
Capital One Financial Corporation

Karen Florini
Senior Attorney, Environmental Defense

Buck Butler
Rodale's Scuba Diving

REEF Liaison

Dr. James Bohnsack - NOAA
Research Fishery Biologist
NOAA Fisheries

REEF Advisory Panel

Billy Causey
Dr. Ken Deaver
Kalli de Meyer
Stephen Frink
Professor Robert Ginsburg
Dr. Steve Gittings
Wolcott Henry
William Horn
Peter Hughes
Dr. Tom Isgar
Jennifer Lash
Dr. Carol Lorenz
Ken Marks
Chris Ostrom
Dr. Emily Schmitt-Lavin
Dr. Edwin Steiner
Dr. Kathleen Sullivan Sealey
Anne Walton
Deena Wells

REEF Staff

Laddie Akins
Executive Director

Andrea Fullman
Director of Development

Dr. Christy Pattengill-Semmens
Scientific Coordinator

Leslie Whylen
Field Operations Coordinator

REEF Celebrates Earth Day

Did we say Earth Day? It was more like Earth month! Throughout the entire month of April, REEF staff kept busy by participating in a number of activities in honor of our favorite ocean-bearing planet. Whether it was making buttons for budding junior fishwatchers at Bahia Honda State Park, or diving with Sponge Bob at the South Carolina Aquarium in Charleston, REEF was often at two places at one time in order to share our passion for helping protect the Earth. We even managed to find some time for a little friendly competition.

In an effort to get our toes wet in the Coral Reef Alliance's Dive-In for Earth Day campaign, REEF hosted its first ever REEF Fish Count Challenge in Key Largo, Florida. Lad, Leslie, Leda, and REEF intern Laura Lins led groups of both expert and novice fishwatchers underwater in order to see which group could identify the most fish species. When the tanks were empty and the pencils put down, Leslie and the "Jumping Jolly Jewfishes" came out ahead of the rest with an amazing 119 species identified during their two dives at Molasses Reef. The victory was announced later that evening at our Earth Day BBQ celebration hosted by Divers Direct Outlet. While only Leslie walked away with the Top Toad trophy, the winning team received REEF hats and gift certificates, while all participants received a very exclusive REEF Fish Count Challenge Fish Medal. Most participants also walked away with fabulous raffle prizes ranging from restaurant gift certificates, T-shirts, and great dive gear. Mike Jones won an opportunity for him and his favorite dive buddy to visit the Aquarius Habitat thanks to the generosity of our friends at the National Undersea Research Center. Owned by NOAA and run by UNCW, the Aquarius habitat is the only undersea research center in the world! While not a Toad



statue, this was a pretty great prize! REEF as a whole was the real winner in the end, as we gained several new enthusiastic fishwatchers and REEF staff was given the chance to get out of the office and dive alongside several of our wonderful REEF members. Everyone at REEF looks forward to a second REEF Fish Count Challenge next year. To view team results and pictures, visit <http://www.reef.org/webres/notes/summer03.htm>.

When not in the throws of a slate-to-slate competition, REEF interns and staff attended several other Earth Day events. REEF made buttons with kids at Bahia Honda's Earth Day and played Fish-O with elementary students at the Dolphin Research Center's Ocean Celebration Day. Lad was the guest of honor at South Carolina's Aquarium where he kicked off the Earth Day event by speaking on the status of the world's coral reefs from underwater in the Great Ocean Tank. REEF also hosted information booths at Florida Keys Community College's Dive Expo in Key West, Florida and the Fort Lauderdale Museum of Discovery and Science Earth Day celebrations.

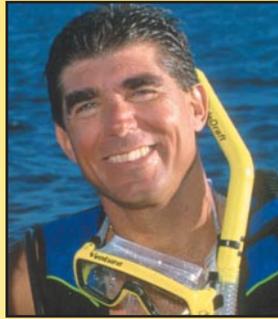
It's safe to say that REEF is doing its fair share to protect the Earth's most important resource: The Ocean! We're always up for celebrating. Thank you to all who joined us in our efforts, and to all of you who support REEF efforts throughout the year.



Director's Corner

Hello REEFers!

Diving season is here! The water is warm, and the political situation has eased the travel tension a bit. We have lots of new welcomes in this edition. Two new Board of Trustees members and a new Director of Development have joined the REEF team over the past few months. REEF welcomes Karen Florini, Buck Butler and Andrea Fullman. Karen and Buck bring great experience in the dive and non-profit sector to REEF and Andrea is going to be helping refocus energies on increasing our work capacity.



Thanks to all of you for replying to our last solicitation and responding to our checkbox questionnaire to let us know where your interests lie in support of our work. Watch future issues of REEFNotes for a summary of replies. We've also been working hard to develop a corporate sponsorship program for any level. If your company might be interested in sponsoring REEF's marine conservation efforts, be sure to contact us for a complete package.

Building on our strong relationship with the National Marine Sanctuary System in the US, REEF has been focusing a lot of attention on Marine Protected Area (MPA) surveys. MPAs and no-take management strategies are becoming increasingly accepted throughout the world and as their numbers increase, the need for inventory and monitoring data follows correspondingly. REEF is working hard to help provide this valuable information through our advanced assessment, field survey and focused monitoring projects. Keep your eyes and ears open for more opportunities to join us.

Finally, don't forget that July is GAFC month. The GAFC has become an international event focused on introducing divers and the general public to the marine environment and fish surveying. It also gives you a great excuse (if you need one!) to go diving! For beginners, it's a great way to get started in fishwatching and to provide data to the REEF database, but experienced fishwatchers get a lot out of the event as well. Few diving activities are as rewarding as mentoring a beginning fishwatcher, and your fish savvy experience can be a huge asset in helping a novice get started. Look for seminars and dives in your area on the GAFC website under the events section at <http://www.fishcount.org>.

Finally, I'd like to thank Leda Cunningham, REEF's office manager, friend and motivator for her time at REEF over the last two years. Leda started at REEF as an intern and a year later took over as our first office manager. Her efforts have led to a number of important improvements at REEF HQ and I know many of you have worked closely with her in improving the way REEF operates. Besides the great work improvements, she has also been a wonderful friendly face and positive attitude at REEF HQ and beyond. Leda is going back to graduate school and we are wishing her the best while hoping her studies are only a temporary departure from the REEF family. Leda, all the best from your REEF family.

Best Fishes and see you in the water!




Lad Akins
Executive Director
REEF

Welcome New Board and Staff!

If you've been paying close attention to the masthead of the newsletter, you've noticed a few new additions in this issue. We are all very excited to welcome two new board members and a new staff position at REEF.

Karen Florini and Buck Butler joined our REEF Board of Trustees last quarter. Karen and her husband Neil Ericsson have been long-time active REEF members, taking part in numerous Field Survey projects and fish surveys throughout REEF's survey regions. Following graduation from Harvard Law School, Karen worked for the US Department of Justice before joining another well-respected nonprofit organization, Environmental Defense, as Senior Attorney. Along with her enthusiasm for fishwatching, Karen brings REEF significant expertise in program management in the non-profit realm.



Karen Florini



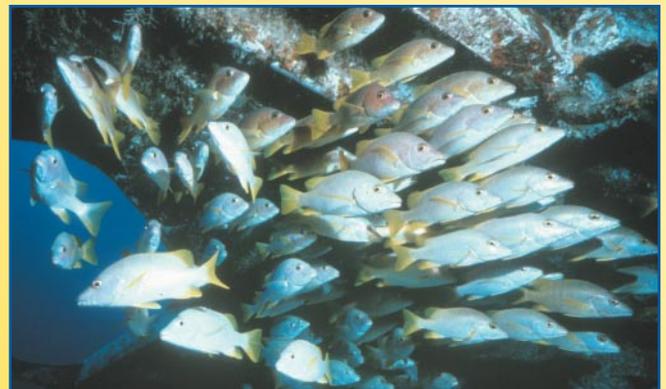
Buck Butler

Buck Butler is editor of Rodale's Scuba Diving magazine and has been with the magazine since its beginning 11 years ago. Based in Savannah, Georgia, he is an active diver and brings a wealth of knowledge in understanding divers and the dive industry. Buck has been a big fan of REEF and closely followed our successes before being asked to join the board early this year. A father of two, Buck is enthusiastic and excited about being able to help direct REEF's significant marine conservation efforts.

Andrea Fullman joined the REEF staff as our new Director of Development in May by jumping into the board/staff retreat with both feet. Andrea is originally a Florida native and attended Florida State University, before moving to San Diego and working with the literacy council there. Andrea moved back to Florida and worked in development with the non-profit Advocates for the Rights of the Challenged, before joining REEF. Andrea's position is a new one at REEF and both the staff and board are excited to have her expertise in development and fundraising. Look for lots of new event ideas and great donor relations from Andrea's desk and be sure to get in touch with any funding questions or opportunities you have.



Andrea Fullman



REEF recently contributed data collected during the 2002 and 2003 Grouper Moon Projects to the Society for the Conservation of Reef Fish Spawning Aggregations (SCRFA) Global Database. The aim of the database is to document all known aggregations, their current status, and their history of exploitation. REEF's information joins over 500 other reports on individual aggregations from the tropics worldwide and will be used to help understand spawning aggregation patterns of seasonality, timing relative to moon phase, and aggregation location characteristics. For more information, visit <http://www.scrfa.org>.

MPA News

REEF believes that Marine Protected Areas (MPAs) are an important tool for the protection of marine ecosystems, and we urge our members to stay informed of MPA initiatives. In each issue of REEFNotes, the MPA News feature brings you recent and noteworthy happenings.

Islands in the Sea of Cortez Purchased for Conservation

Earlier this year, ownership of a complex of islands in the Sea of Cortez known as Isla Espiritu Santo was transferred to the Mexican government in what is hoped to be the first step in an initiative to protect some of the most critical ecosystems in Mexico. Through an alliance of Mexican and US conservation groups, over \$3 million was donated to help acquire the 23,000-acre island complex that includes the popular diving area Los Islotes. The transfer of ownership will ensure permanent protection against land development. The Mexican government's Commission on Natural Protected Areas (CONANP) will manage the islands under its marine protected areas program, although the new protected area lacks a marine component so far. CONANP officials are currently working to designate a marine park in the surrounding waters. The alliance has pledged to work toward protecting 10 other biologically critical islands in the Sea of Cortez. REEF volunteers have been conducting fish surveys in the tropical eastern Pacific since the year 2000. To date, 170 surveys have been collected within the Espiritu Santo area. It is hoped that these data can help manage this newly protected area.



Schools of king angelfish are just one of the many sights that divers will see on the newly protected Isla Espiritu Santo. Photo by Paul Humann.

REEF's Scientific Coordinator, Christy Pattengill-Semmens, and Brice Semmens, recently participated in two workshops aimed at developing fish monitoring within National Marine Sanctuaries. In March, the Channel Islands NMS hosted a workshop to design a comprehensive monitoring plan for the newly created marine reserves within the Sanctuary. In April, the Gray's Reef NMS hosted a team of fish experts to address gaps in the Sanctuary's current monitoring and to make recommendations for a revised monitoring plan.

REEF's Florida Keys Zone Monitoring Program Report

REEF's Zone Performance Monitoring project in the Florida Keys National Marine Sanctuary (FKNMS) ran from 1997 – 2001, and involved members of REEF's Advanced Assessment Team (AAT) collecting data annually at selected sites within the FKNMS. During the 5-year project, 62 AAT members participated, contributing 1,626 surveys. The main purpose of the project was to provide reef fish assemblage data that the Sanctuary could use to assist in the evaluation of the effect of no-take zones that were implemented in 1997.

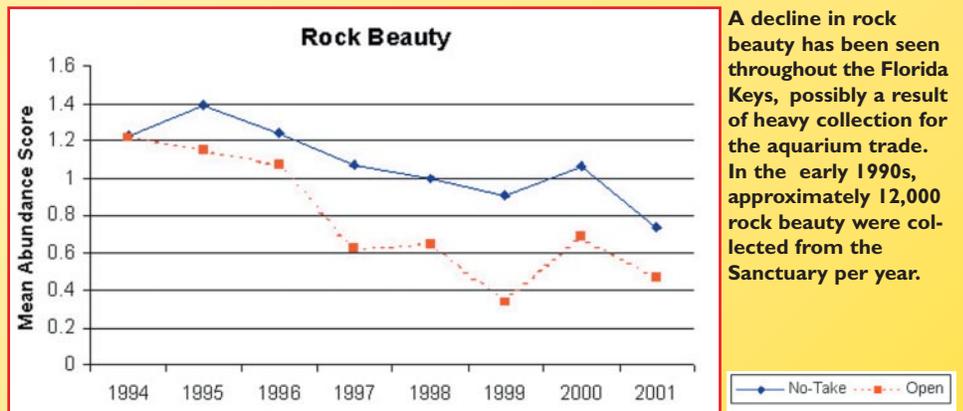
As part of the zone performance review, REEF recently completed a summary that reports on the status and trends of the fishes at the 27 zone monitoring sites in the FKNMS between 1994 and 2001.

Highlights of the report include-

- fish species richness was higher at the no-take site than at the reference site in 12 of the 15 no-take/reference site pairs,
- nine of the sites protected as no-take exhibited significant changes in fish species' abundance,
- species that appeared to be in general decline at a majority of the sites were rock beauty, smooth trunkfish, dusky damselfish, sharpnose pufferfish, ocean surgefinfish, and trumpETFish.

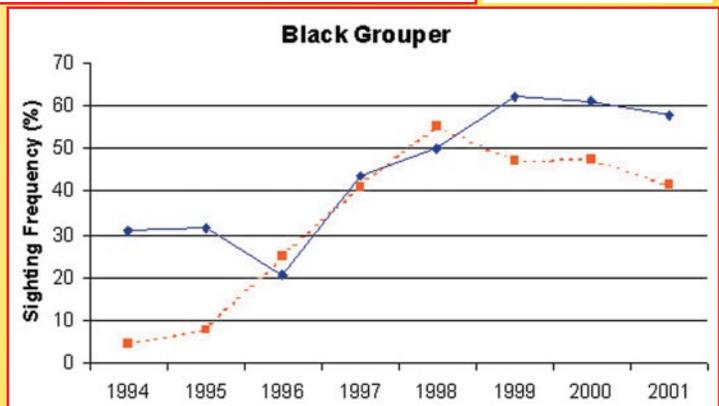
To read the full report, visit http://www.reef.org/data/FKNMS_5yrreport.pdf.

While the initial 5-year project has been completed, REEF has continued annual monitoring within the FKNMS no-take zones and has initiated several new projects within the Sanctuary.



A decline in rock beauty has been seen throughout the Florida Keys, possibly a result of heavy collection for the aquarium trade. In the early 1990s, approximately 12,000 rock beauty were collected from the Sanctuary per year.

REEF data indicate that black grouper have experienced increases at all sites but frequency of occurrence has leveled off since 1999.



REEF Field Surveys

Reef Environmental Education Foundation (REEF) trips are your opportunity to take a vacation that counts! These week-long diving adventures are not only lots of fun, but they are educational and environmentally important. And there is no better way to improve your fish identification skills. An additional \$200 REEF fee will be added to each trip to cover the cost of the group leader, seminars, and survey materials (*Fee is \$100 on short trips). Prices do not include airfare. Please call Dive Reservations, Inc. at 888-363-3345 or email reef@diveres.com to find out more about a specific trip or to reserve a spot. For more information on REEF trips, please visit <http://www.reef.org/fieldsurv>



2003 Trip Schedule

Coiba National Park, Panama (Pacific side) • M/V Coral Star • July 18-26, 2003 • FULL

Channel Islands National Marine Sanctuary • M/V Conception • September 16-21, 2003

Come enjoy the warmer water (between 60 and 70 ° in Sept.) and diversity of the Southern California kelp forests and rocky reefs. During this trip, you will visit several islands and conduct surveys inside and outside the newly created no-take reserves. Lucky divers may chance upon giant black sea bass, a sarcastic fringehead, and a slew of rockfish species.

• 5 days/4 nights - \$540 includes all meals, diving and lodging on liveboard dive boat. *REEF Fee is \$100.

Southern Gulf of California/Sea of Cortez • M/V Don Jose • October 19-26, 2003

Baja's Sea of Cortez offers world class diving. This year's trip is a custom itinerary designed for REEF to capture some of the unique areas in the southern Gulf of California. Join us for this weeklong fishwatching expedition to see giant schools of jacks, manta rays, and many colorful reef fish.

• 8 days/7 nights - \$1,522 includes lodging, food, and unlimited diving, aboard an 80 foot long liveboard dive boat.

Quadra Island, British Columbia • Abyssal Diving and Lodge • Fish and Invertebrates • October 7-12, 2003

This area of British Columbia features some of the most beautiful and dramatic cold water diving in the world. Participants will enjoy learning about both the diverse fish life and colorful invertebrates. In the crevices, you'll see wolf eels, huge lingcod, tiger rockfish, and the elusive giant Pacific octopus. In the forest of bull kelp, you'll see tiny fish finding safety from spiny dogfish and young rockfish.

• 6 days/5 nights - \$473 USD includes lodging, all meals, and 4 days of 2 tank diving. *REEF Fee is \$100.

Barbados • High Tide Watersports • November 8-15, 2003 • FULL

Provo, Turks & Caicos REEF Discovery Tour (led by Paul Humann) • Big Blue Unlimited • November 1-8, 2003 • FULL

2004 Trip Schedule

Virgin Gorda • April 17-24, 2004

Monterey Bay NMS • April 20-25, 2004

Lee Stocking Island, Bahamas • May 15-22, 2004

Maui, Hawaii • June 19-26, 2004

Dominica • July 10-17, 2004

Nova Scotia • August 3-8, 2004

Channel Islands NMS • September 2004

Manzanillo, Mexico • September 2004

Barkley Sound, British Columbia • October 6-10, 2004

St. John, USVI • November 6-13, 2004 • led by Paul Humann • Discovery Tour

Bequia • December 4-11, 2004



Puerto Rico Discovery Tour group - November 2002

Ocean Watch



Ocean Watch Foundation offers a year-round program of reef fish identification classes, combined with REEF survey dives designed for volunteer SCUBA divers and snorkelers. A two-hour class is offered in the morning, followed by a two-tank dive aboard a local

dive charter boat on the first weekend of each month, alternating Saturdays and Sundays. Beginning, Intermediate and Advance classes are offered throughout the year. Classes and dives are open to the public. Cost of the dive is \$35.00 per person, and all divers must supply all of their own gear. All classes are free to Ocean Watch members; for non Ocean Watch members the first class is free, and there is a \$5.00 donation to attend additional classes. To augment the Fish ID program, morning beach dives are coordinated the third weekend of each month, meeting at various beach locations in Broward County. Check the Ocean Watch website (<http://www.oceanwatch.org/>) for current schedule and locations for the Fish ID Program, and for all other events and activities.



"I just love going on REEF Field Trips where I can enjoy my sport "diving", indulge my "hobby" Fish Watching and all this in the company of so many other like minded people! I have made some wonderful friends on these trips and it is a super way to increase one's fish identification skills."

—Judie Clee, REEF member

Happenings & Updates



GAFC 2003!

With over ten years of history, this year's Great Annual Fish Count (GAFC) event is set and ready to go with both beginning and expert fishwatchers alike joining in July fish surveys. The event, which began in 1992 through the effort of Dr. Gary Davis, has grown into an international project involving thousands of divers and hundreds of scheduled events. Last year's 10-year event produced more than 2,000 fish surveys from the US and international coastal waters.



As part of the month-long effort, free introductory seminars are scheduled by dive-related and volunteer fish experts. The seminars are a great way to get started fishwatching and provide an opportunity to learn about common fish of your area and how to conduct REEF surveys. Following these seminars, there are survey dive events also scheduled at varying sites. Both seminars and dives are a great way to meet like-minded fishwatchers and have a great time in the water.

A big focus of the GAFC event has been specifically within National Marine Sanctuaries. Many of these sites are now implementing no-take zones, which volunteers can help monitor to determine baseline inventories and effects of management strategies. In fact, NOAA's National Marine Sanctuary System has worked in partnership with REEF to produce the GAFC event.

So how do you find out about what's going on in your area? Information on scheduled seminars, dive events and media related information are all on the specially hosted website <http://www.fishcount.org>.

Pay a visit to the site, join in on a GAFC event and have a great time helping to better understand our underwater world.

REEF Ten Year Anniversary

July is anniversary month — 10 years of REEF fish surveys — and plans for the "Decade of Counting" event are coming together. REEF volunteers, Tom Isgar, Deena Wells, Cathy Coughlin, Judie Clee, Denise Mizelle, and Pat Ayers are coordinating the three-day celebration that will take place July 12-14 in Key Largo. Participants in the very first REEF fish survey (July 19, 1993), along with REEF members and staff, will join in the diving and celebration activities. For more details on the "Decade of Counting" event, visit <http://www.reef.org/10years> or contact Pat Ayers at (301) 881-8858 or blenny@rcn.com.

Even if you can't attend the anniversary event, you can still join us in celebrating REEF's ten years of accomplishments. We have a great limited-edition anniversary t-shirt — make sure you get one! For up-to-date information on this event, please visit <http://www.reef.org/10years/>. We will feature plenty of photos and fond memories of the "Decade of Counting" celebration in the next issue of REEFNotes — stay tuned!

A Decade of Counting

	1993	today
Number of REEF surveys	112	56,363
Number of members who have conducted surveys	23	6,353
Number of fish species reported	211	1,572

Pacific Northwest Critter Watchers

REEF members Janna Nichols and Wes Nicholson recently created the Pacific Northwest Critter Watchers as a way to motivate and educate Northwest REEF members. The primary activity of the Critter Watchers is a Quarterly Dive and Site of the Month program, which encourages area divers to get together for organized survey dives. These events enable both beginner and experienced surveyors to hone their underwater identification skills and are lots of fun! They also often serve to focus REEF survey activity at sites where there are data gaps. Their webpage (<http://www.pnwscuba.com/critterwatchers/>) is a central resource for Northwest divers that features the survey dive calendar, announcements about area identification classes, and a critter of the month. There is also a Critter Watchers email listserv (to join, send an email to pnwpartner@reef.org). If you are a Northwest REEF member, we encourage you to check out the Critter Watchers website and join the listserv. Also, be sure to join in on the next Quarterly Dive on July 19th at Keystone State Beach, Washington. To read more about activities in the Northwest, read the current Field Station article about Pacific NW Scuba at <http://www.reef.org/webres/notes/summer03.htm>.



"Do you know who I am? I was seen 1% of the time during the first year of REEF's Volunteer Fish Survey Project."

ID Books and CD-Roms

Caribbean & North Atlantic Guides

Reef Fish Identification –

Florida, Caribbean, Bahamas -
3rd Edition - \$39.95
Paul Humann and Ned DeLoach

Caribbean Reef Creature ID -

2nd Edition - \$39.95
Paul Humann and Ned DeLoach

Caribbean Reef Coral ID -

2nd Edition - \$34.95
Paul Humann and Ned DeLoach

The Reef Set - \$125

Paul Humann and Ned DeLoach

Stokes Fishes of the Caribbean - \$12.95

F. Joseph Stokes

Reef Fish Behavior - \$39.95

Ned DeLoach

Marine Life of the North Atlantic - \$30.00

Andrew Martinez

Temperate & Tropical Pacific Guides

Coastal Fish ID (California - Alaska) - \$32.95

Paul Humann, with Howard Hall and
Neil McDaniel

Pacific Coast Inshore Fishes, 4th Ed - \$24.95

Daniel Gotshall ****NEW***

Rockfishes of the Northeast Pacific -

\$24.95 ****NEW***

Milton Love, Mary Yoklavich, and
Lyman Thorsteinson

Whelks to Whales: Coastal Marine Life of

the Pacific Northwest - \$19.95

Rick Harbo

Shore Fishes of Hawai'i - \$19.95

John Randall

Other Guides

Anemone Fishes and their Host Sea

Anemones - \$29.95

Daphne Fautin and Gerald Allen

A Guide to Angelfish and Butterflyfish - \$39.95

Gerald Allen, Roger Steene, Mark Allen

Coral Reef Animals of the Indo-Pacific - \$44.95

Terrence M. Gosliner, David W. Behrens,
Gary C. Williams

Nudibranchs and Sea Snails: Indo-Pacific

Field Guide - \$44.95

Helmut Debelius

Sharks and Rays of the World - \$44.95

Ralf M. Hennemann ****NEW***

Snorkeling Guide to Marine Life –

Florida, Caribbean, Bahamas - \$12.95

Paul Humann and Ned DeLoach

In-a-Pocket Waterproof Identification

Booklets - \$10.00

These handy guides fit right in your
BCD pocket:

- Caribbean Fish-in-a-Pocket
- Caribbean Creature-In-A-Pocket
- Indo-Pacific Fish-In-A-Pocket.

Identification CD-Roms

ReefNet Fish ID CD-Rom (2nd Ed.) - \$64.95

Reef Fish ID CD-Rom - \$39.95

Reef Creature/Coral ID CD-Rom - \$39.95

Just For Kids

Under the Waves Video, Episodes 1-4 - \$19.95 ea.

Jump into Science: Coral Reefs - \$16.95

Sylvia Earle and Bonnie Matthews;
Ages 4-10

**For more details, or to
place an order, visit REEF's
online store at
www.reef.org or call
REEF HQ at 305-852-0030.**

Survey Materials

Survey Forms (Scanforms) - free

The basis of the REEF monitoring program, you can get these by either calling REEF HQ, sending an email, or using the online store. Please specify which region.

REEF Starter Kit

The basic kit for all fishwatchers. Contains REEF underwater slate, underwater survey paper, 2 REEF scanforms, and a REEF BC tag. A waterproof color ID card is also included in all regions except the tropical western Atlantic Kit, which contains the waterproof Fish-in-a-Pocket.

- Tropical Western Atlantic (Caribbean, Florida, Bahamas, Gulf of Mexico, Mid-Atlantic States) - \$25.00 (includes Fish-in-a-Pocket)
- Northeast US & Canada (Virginia - Newfoundland) w/ cold water slate- \$20.00
- California - \$15.00
- California w/cold water slate- \$20.00
- Pacific Northwest (Oregon, Washington, and British Columbia)- \$15.00
- Pacific Northwest w/cold water slate - \$20.00
- Tropical Eastern Pacific (Gulf of California to the Galapagos Islands) - \$15.00
- Hawaii - \$15.00



The sarcastic fringehead is a great find for fishwatchers along the Southern California coast. Join us on the Field Survey to the Channel Islands this September to search for this and other interesting kelp forest fishes.

Survey Slates

REEF Yellow Fish ID Slate - \$9.95

Slate has 60 spaces to list fish sightings and blank profiles to sketch "mystery fish". Includes attachable pencil and is designed to work with REEF waterproof survey paper.

Cold Water Survey Slate - \$15

Specifically designed for conducting a survey in high currents and cold water, this slate is slightly larger than our regular yellow slate and features a lanyard, an attached pencil and bolts to secure the waterproof paper and color id card.

Waterproof Survey Paper - \$0.60

One sheet of double sided waterproof paper, good for 2 surveys. Please specify region.

Project AWARE

Identification Courses - \$105.

Courses include curriculum, slides, CD-ROM of slides, and sample starter kit. Courses are available for the following regions: Tropical Western Atlantic (also available in Spanish), Mid-Atlantic, Northeast US, Flower Garden Banks NMS, Northern Gulf of Mexico, Gulf of California, Southern California, Northern California, Pacific Northwest Fish, Pacific Northwest Invertebrates, and Hawaii.

Course without slides - \$70.

(still includes CD-ROM of slides)

*CD-Rom curriculum currently available in limited regions

REEF Wearables

REEF T Shirt - \$15

REEF Golf Shirt - \$35

REEF Cap - \$15

10 Year Anniversary Shirt - \$15

2003 GAFC T Shirt - \$10

Survey Numbers & Field Stations



Survey Numbers

TWA top 25 surveyors

Laddie Atkins (883)
Linda Schillinger (751)
Leslie Whyalen (683)
Judie Clee (610)
Linda Baker (551)
Deena Wells (542)
Joe Thomas (524)
Sheryl Shea (501)
Jean Kirkpatrick (493)
Cathy Coughlin (461)
Christy Semmens (446)
Peter Leahy (414)
Jessica Armacost (387)
Monty Doyle (344)
Edwin Steiner (320)
Emily Schmitt-Lavin (316)
Elaine Morden (310)
Joyce Schulke (309)
Brice Semmens (308)
Ken Deaver (306)
John Pitcairn (303)
Patricia Ayers (283)
Ken Marks (283)
Bruce Purdy (274)
Kris Wilk (271)

PAC top 25 surveyors

Rachid Feretti (193)
Janna Nichols (120)
Tom Dakin (116)
Kirby Johnson (110)
John Williams (108)
John Wolfe (103)
Matthew Dowell (87)
Mike Delaney (87)
Alan Dower (79)
Wes Nicholson (64)
Olga Khainova (61)
Alex Khain (61)
Bryan Nichols (56)
Georgia Arrow (54)
Dana Haggarty (53)
Claude Nichols (48)
Bruce Higgins (46)
Christy Semmens (45)
Kawika Chetron (44)
Brice Semmens (43)
Jack Mackay (43)
Doug Biffard (39)
Kurt Steinbach (38)
Kim DeCrane (38)
Paul Weakliem (35)

Top TEP surveyors

Richard Baker (240)
Kandie Vactor (122)
Beth Bruton (67)
Paul Humann (35)
Walter Briney (33)
Warren Hinks III (32)
Sandra Percell (31)
Clive R. Wood (25)
Janet Earnshaw (24)
Leslie Whyalen (22)

Top HAW surveyors

Fred Litt (59)
Lynn Hodgson (48)
James Vaughn (44)
Michele Vaughn (44)
Chatten Hayes (41)
Dave Grenda (36)
Liz Foote (33)
Patricia Richardson (26)
Wayne Batzer (25)
Douglas Harder (23)

To view the full list, go to <http://www.reef.org/webres/notes/summer03.htm>.



Staff and Board convene for team-building event in Key Largo, Florida. (Honorary staff member baby Gracie X. Semmens also pictured here; Board Secretary Jim Dalle Pазze present but not pictured here.)

Team Building in Key Largo

Over Mother's Day weekend, REEF staff and Board of Trustees convened for a 3-day team-building event in Key Largo. As we approach the 10-year milestone, the group felt it was time to come together to solidify healthy working practices and strengthen existing relationships. The ultimate goals of the retreat were to ensure REEF's future service to our members and to our marine environment. Professional facilitator Phil Hallstein of Sportmind, Inc, based in Mill Valley, CA, lead exercises and facilitated discussions on topics such as human resources, clarifying roles of Board and staff, and communication between and among the two groups. Day 1 was followed up by a day of diving and then the quarterly Board meeting. The event came at an opportune time to welcome new Board members Karen Florini and Buck Butler and new staff member Andrea Fullman to the REEF family. All who attended agreed the weekend was successful and are hopeful for the next chapter in REEF's history.

An article by the Pacific Northwest Scuba Field Station is posted on <http://www.reef.org/webres/notes/summer03.htm>.

Field Stations

USA and Canada Field Stations

California

Oceanside - Under Water Schools of America 760-722-7826 usascuba.com

Florida

Gainesville - Water World 352-377-2822 www.H2Oworld.com
Islamorada - Florida Sea Base 305-664-5625 www.bsaseabase.org
Key Largo - Dive In 305-852-1919 www.diveinlkeys.com
Key Largo - Diver's Direct Outlet 305-451-8034 www.diversoutlet.com
Key Largo - Amy Slate's Amaray Dive Resort 305-451-3595 www.amaray.com
Key Largo - Horizon Divers 305-453-3535 www.horizondivers.com
Key Largo - It's A Dive 305-453-9881 www.itsadive.com
Key Largo - Kelly's On the Bay/ Aquanut Divers 305-451-1622 www.aqua-nuts.com
Key West - Florida Keys Community College 305-296-9081x426 www.fkcc.cc
Marathon - FL Keys Nat'l Marine Sanctuary 305-743-2437 www.fknms.nos.noaa.gov
Orlando - Northwest Divers 407-658-9464 www.nwdivers.com
Tampa - Depth Perception Dive Center 813-689-3483 www.depthperception.com
Tavernier - Conch Republic Diver, Inc. 305-852-1655 conchrepublicdivers.com

Georgia

Lawrenceville - Dive, Dive, Dive... 678-407-2442 www.diveatlanta.com

Gulf Coast States (LA, AL, FL)

New Orleans - 504-276-4887 www.reefngom.org
REEF Field Station of Northern Gulf of Mexico

Hawaii

Honolulu - Island Divers Hawaii 808-947-6583 www.islanddivershawaii.com
Maui - Ao'ao O Na Loko I'a O Maui (Maui Fish Pond) 808-975-9059 www.mauifishponds.info
Maui - Project S.E.A.-LINK www.projectsealink.org
Kona (Kailua) - Jack's Diving Locker (808) 329-7585 www.jacksdivinglocker.com

Maryland

Baltimore - National Aquarium 410-576-3800 www.aqua.org

Michigan

Ann Arbor - Huron Scuba Adventures 734-994-3483 www.huronscuba.com

New Jersey

Belle Mead - The Scuba Connection 908-359-1250 www.tscscuba.com

New York

Rome - Delta Divers 315-337-2300 www.deltadivers.com

Texas

Houston - SCUBA Houston 800-781-7821 www.scubahouston.com
Houston - Texas Gulf Coast Council 713-726-9737 www.tgccdiveclubs.org
Humble - WW Diving 281-540-1616 www.wwdive.com

Washington

Vancouver - Odyssey Ocean Scuba Center 360-883-2621 www.diveodyssey.com
Western Washington - Pacific Northwest Scuba 360-798-6414 www.pnwscuba.com

Canada, British Columbia

Victoria - Living Oceans Society 250-920-0733 www.livingoceans.org
Mississauga - ReefNet, Inc. 905-608-9373 www.reefnet.ca

Overseas Field Stations

Aruba

Paradera - Windie's WaterSport 297-872281 www.windieswatersport.com

Bahamas

Cat Island - Dive Cat Island 800-688-4752 www.hawks-nest.com
Nassau - Custom Aquatics 242-362-1492 www.bahamasvg.com/aquatic.html

Belize

Seasports Belize 501-2-35505 www.seasportsbelize.com

Bermuda

Flats - Bermuda Aquarium, Museum & Zoo 441-293-2727 www.bamz.org

Bonaire

Kralendijk - Photo Tours Divers 599-717-3460 www.bonphototours.com
Kralendijk - Bonaire Dive and Adventure 011-599-717-2229

British Virgin Islands

Peter Island - Paradise Watersports 284-495-9941 www.bviwatersports.com

Cayman Islands

Little Cayman - Southern Cross Club 345-948-1099 www.southerncrossclub.com
Grand Cayman - Wall to Wall Diving 345-942-6608 www.walltowalldiving.com

Cuba

Salty Dog Adventures 636-677-7504 www.sdadive.com

Curacao

Curacao Sea Aquarium 0599-9-461-6666 www.curacao-sea-aquarium.com

Dominica

Roseau - Scots Head Soufriere Marine Reserve 767-488-0140 www.avirtualdominica.com/SSMR

Honduras

Utila - Laguna Beach Resort 800-668-8452 www.utila.com
Utila - Utila Lodge Resort 504-425-3143 www.roatan.com/utilalodge.htm

Mexico

Yucatan Peninsula - Akumal Dive Adventures 505-992-3333 www.akumaldiveadventures.com

Cozumel - Aqua Safari 011-52-987-872-0661 www.aquasafari.com
Puerto Aventuras - Dive Aventuras 011-52-987-35129 www.diveaventuras.com

Puerto Rico

Guaynabo - Scuba Dogs 787-783-6377 www.scubadogs.net
Rincon - Oceans Unlimited 787-823-7436 www.oceans-unlimited.com

US Virgin Islands

St Thomas - St. Thomas Diving Club 340-776-2381 www.st-thomasdivingclub.com

West Indies

St. Vincent - Dive St. Vincent 784-457-4928 www.divestvincent.com



Reef Environmental Education Foundation
Post Office Box 246
Key Largo, FL 33037

Nonprofit Org.
 US POSTAGE
PAID
 CINCINNATI, OH
 PERMIT NO. 2881

CONTRIBUTIONS

We greatly appreciate the generosity of our core group of REEF contributors: (Based on donations received between May 23, 2002-May 23, 2003)

PLATINUM SUSTAINERS **(\$1000+)**

Brenda Berliner
 Chris Ostrom
 Claudia and Wade Pfennig
 David DaCosta and Francoise Giacalone
 Dennis Schneider
 Jean and Bob Kirkpatrick
 Jim DallePazze
 Jose Kirchner
 Kathleen Gunderson
 Ken Puglisi
 Kevin Henke
 Michael Stanfield
 Karen Florini and Neil Ericsson
 David and Patricia Orr
 Pat Ayers
 Steven and Mary Dingeldein
 Ann Kugel
 Stuart Wunsch
 Ken and Sherri Deaver
 Timothy Aldrich
 Walter Briney
 Ed and Doris Steiner
 Joe and Linda Meyer
 Kathy Aguilar
 Paul H. Humann
 William D. Sheppard
 John and Bonnie Strand

Chatten Hayes
 Mindy Cooper-Smith
 Rosemary Duke
 Jeff Nehms
 Clint and Carol Whitaker
 Dennis and Tracy Liberson
 Ken Sinibaldi
 Ned DeLoach

GOLD SUSTAINERS **(\$500-\$999)**

Daniel Cohen
 David L. Simson
 David Preston
 Donald E. Buck
 Douglas Rorex
 Elizabeth Wagner
 Franklin Neal
 Fred Ingham
 Gary and Lorna Pattengill
 Julie Rosenfeld
 Neal Rakov
 Phillip S. McKinney
 Stephen J. Vinitsky
 Steve Gittings
 Tom and Susan Isgar
 Helaine Lerner
 Harley Moody
 Kitty and Jeffrey Philips

Noreen Downs
 Clive and Stella Wood
 David Baddorf
 Jim and Pat Lommel

SILVER SUSTAINERS **(\$250-\$499)**

Alan R. Latta
 Andrew Prochaska
 Ann Tretter
 Beverly Chadwell
 Bob Bishop
 David Matthews
 Don Stark
 Elizabeth Bruton
 Fred Drennan
 GayLynn Dickerson
 Harry Hostetler
 Hugh Lynch
 Jean Gasen
 Jim Morabito
 Jim Urquhart
 Joyce Schulke
 Karen Garcia
 Ken and Rita Ashman
 Linda Schillinger
 Margaret Hornbaker
 Marta H. Bonatz
 Monty Doyle

Nancy Johnson
 P. Hampton Hylton
 Paul Osmond
 Peter Leahy
 Pug Pugliese
 Robert Coakley
 Robert Reid
 Steven Goodman
 Suzanne Staton
 Tom R. Wicks
 John Carpenter
 Ben Kauffman
 Eric A. Frick
 Mark Reckman
 Michael Boucher
 Debra Johnston
 Jodi Williamson
 Murray Kilgour
 William Vetterling
 John Peebles
 Mat Davis
 Richard and Brenda Hitt
 Terri Kelly
 Bill Meisenheimer
 Kathleen Engstrom
 Patrick Stottlemeyer
 John Pitcairn
 Martin Giesecke
 Robert Zimmerman
 James Brook

Our valuable BRONZE SUSTAINERS are listed on <http://www.reef.org/webres/notes/summer03.htm>.

To become a REEF Sustainer, please contact Andrea at REEF HQ: (305) 852-0030; Andrea@REEF.org.

DID YOU KNOW??

You can **DOUBLE** the value of your contribution through your employer. Check to see if your company participates in a **Matching Gift Program** to start maximizing the impact of your donation on REEF marine conservation projects.

Thanks to:

- Dr. Michael Coyne for his continuing assistance with REEF's database programs.
- Ken Smith for volunteering hours every month on yard work at the REEF office.
- Julie Dutcher and Kathleen Scott for help with the editing of REEF's newsletter.
- Audrey Smith for her continuing volunteer help in the REEF office.
- Bill Sabat for donating boat time in the Florida Keys to REEF staff and interns.
- Karen Grimmer and Gil Falcone for their help during the Monterey Bay NMS Field Survey.
- Julia Packard for donating the use of the Monterey Bay Aquarium Auditorium during the Field Survey.
- Ken Deaver for his moral and financial support of the new Additional Species form.
- Ren Hinks for his work on the new CD-ROM curricula.
- Judie Clee for help with TWA advanced quizzes.
- Guests at the wedding of Karen Florini and Neil Ericsson for their contributions to REEF. Congratulations Neil and Karen!
- SportsMind Inc. for financial and in-kind contributions to REEF.

A Big Thank You to all supporters of the Fish Count Challenge including: Divers Direct Outlet, NURC, Horizon Divers, Kelly's Aquanuts, Amy Slate's Dive Resort, Dive-In, It's a Dive, Bay Cove Motel, The Fish House, Mrs. Mac's Kitchen, Key Largo Shopper, Winn-Dixie, Florida Bay Outfitters, Sun103 FM, Oceanic, UZZI, OceanReef, Armor, and Princeton Tec.
 A special thank you to the Americorps NCCC Team from Charleston that helped out with our BBQ celebration, and most importantly our VIP chef Alan Brown.

REEFNotes is printed courtesy of The Nielsen Company in Kentucky.