The Dolphin Communication Project (DCP) is focused on the dual goals of scientific research and education.

Winter Works for Data Processing ...

Folks who know me understand that my favorite season is summer. I love the hazy, hot, even humid, days of summer. But, even I have to admit that winter is useful for focused data processing. At least, that’s my view! As Kel mentions on page #, we’ve been reviewing videotapes and logging behavioral and acoustic data over these chilly (sometimes bitter) days. We’ll continue processing data even as we also begin preparing for the next field seasons. And, we have a few educational programs on the roster to Bimini, and an eco-tour planned for October to RIMS.

But, the exciting news in this issue relates to the inclusion of DCP’s research at Bimini in Episode 3 of BBC’s Inside the Animal Mind Series. It was fun to be part of the program and neat to see it come together on the small screen. I hope you enjoy this issue of the Gazette as much as we’ve enjoyed putting it together! I wish you all a happy spring (soon)!

Cheers

Kathleen

Thank you to DCP Volunteers & Interns!!

DCP would like to thank Nicole Danaher-Garcia and Gillian Reily for all their help this fall. Without your assistance, DCP’s data analysis could not run so smoothly. You do a great job processing data and helping to keep things organized. Well done!

Internships

If you are interested in interning with DCP during a fall, spring or summer semester, more information is available on our website. Please note, most internships are office-based and do NOT include field work. Check out the web site before contacting us at info@dcpmail.org.
Join Kathleen in the Field!

**WHEN:** 25 October - 1 November 2014

**WHERE:** Anthony’s Key Resort, Roatan, Honduras

**WHAT:** Research meets vacation for DCP supporters! Participants provide actual assistance to DCP Director Kathleen Dudzinski as she continues DCP’s research into bottlenose dolphin interactions. When not observing and helping with research, participants get to enjoy all that Anthony’s Key Resort has to offer (see below).

**COST:** $1,765

INCLUDED: Accommodations (dbl occ), all meals, airport transfers, 2 dolphin swims and 1 dolphin encounter (or 1 swim, 1 encounter and 1 dolphin dive for certified SCUBA divers), and entry to Bailey’s Key Wildlife Sanctuary. Also included are horseback riding, hiking and kayaking. SCUBA divers receive: 3 single tank boat dives daily, 2 single tank night dives weekly, tanks, weights, and belt. Snorkelers receive: 2 daily guided boat trips. Each participant has the opportunity to assist with research on dolphins. By joining DCP’s research, you have greater opportunities to be closer to the dolphins for longer periods of time and learn from the team who cares for them.

For more details, check out: http://tinyurl.com/DCPecotourRIMS

For a great video perspective of 2013’s research trip to RIMS, visit http://vimeo.com/82247155

Ready to sign up? Email us today at info@dcpmail.org!

I hope to see you there!

Cheers

**Kathleen**
Each year I find myself wondering where the offseason has gone. While still processing data from 2013, it is already time to make preparations for 2014. The application period for our summer internship program has closed. Our university program schedule is set. Dolphin trips are already on the horizon, which also means visits with Sea Crest customers. The 2014 research season will surely be a great one! Interested in all the elements that make up our season? Keep reading!

DCP welcomes at least two new summer interns each year. These interns have the opportunity to participate in both DCP environments, the office and the field. As I write this, I have just finished interviewing the first round of applicants! The successful pair with work directly with DCP Director, Kathleen Dudzinski at our Connecticut office before joining me at our Bimini, Bahamas field site. I hope they’ll be ready to get to work as soon as they land!

In addition to welcoming student interns to our Bimini field site, we also have the pleasure of leading university-level field courses. In May, we’ll once again welcome Dr. Stephen Turnbull and his UNBSJ students - see page 6 for information on joining us! June will bring Dr. Deirdre Yeater and students from a variety of schools, including her Sacred Heart University. I’ll also collaborate with a field program from Hunter College. It will be a great season of students, no doubt...

Of course, with the students and between the students, I’ll be joining boat trips searching for the wild dolphins off Bimini’s shore. I’ll be collecting still photographs of bottlenose dolphin dorsal fins and video and acoustic recordings of both species. I wonder which individuals will be resighted from previous years. I wonder what new individuals we’ll add to our photo-ID catalog. I wonder how often the two species (Atlantic spotted & bottlenose) will be seen together. I wonder which adopt-a-dolphins will be seen. I wonder which spotteds will have new calves...I wonder...I wonder...

Although DCP will not host a specific “eco-tour,” we invite all of our supporters to join us in Bimini! Visit www.biminiadventures.com for details on dolphin week packages - several weeks still have spaces available. Don’t forget to tell Captain Al that DCP sent you! And of course, follow our field adventures, I mean, work, with our field reports, found at www.dolphincommunicationproject.org and on Facebook!

Cheers

Kel
In June 2013, Kathleen and Justin got the chance to return to our Bimini, Bahamas, field site and join Kel for a very special project. The BBC had come to town, and were shooting footage for a brand new documentary called “Inside the Animal Mind,” which premiered recently on BBC2. The presenter, Chris Packham, interviewed Kathleen and Kelly about DCP’s research, much of which featured in Episode 3 of the series. There were plenty of off-camera discussions of the dolphins’ behavior, as well as real life “introductions” to some of the most commonly seen members of our photo-ID catalog.

It was a successful week, with the BBC crew managing to capture some great footage that appeared in the show. Justin was in Europe when it premiered, and was able to watch all three episodes as they went live. His impression was that the BBC did a wonderful job portraying DCP’s research, as well as the animal cognition research that featured in all 3 episodes. It’s well worth a watch - not just to catch glimpses of Kathleen and Kel talking dolphin science onscreen, but to gain an overview of DCP’s work and the cutting edge of animal cognition research taking place in the world today.

No news yet on when the series will be available for purchase on DVD, but as soon as it is, we’ll be sure to alert you all!

Thanks BBC for helping to bring dolphin science to the masses!

--The DCP Team

One of the stars of the show was a (currently) nameless Atlantic spotted dolphin. DCP currently refers to him as #095, and he was one of the stars of the dolphin sequences from episode 3 of Inside the Animal Mind. We are offering one of you a chance to name this young male dolphin who is now a full-blown TV star! What should his name be? Maybe…. Chris? Maybe… Packham? We’re just spitballing ideas here. Check out page 11 of the Gazette for more info on this chance to name a real, wild dolphin!
Lookin’ Good Bimini Field Site 2014
Support our 2014 field season by making a purchase from our first ever Spreadshirt store!

Check out DCP’s latest collection of goodies featuring our Bimini Field Site 2014 logo - now available at our brand new Spreadshirt storefront:

bimini2014.spreadshirt.com/

Bimini Field Site 2014

Bimini Field Site 2014 Basic Short Sleeve
Bimini Field Site 2014 Hooded Sweatshirt
Bimini Field Site 2014 Mug
Bimini Field Site 2014 Basic Short Sleeve

Men’s Premium T-Shirt
Men’s Hooded Sweatshirt
Coffee/Tea Mug
Men’s T-Shirt

Color

Size

$ 23.00

$ 36.00

$ 13.00

$ 18.00

Bimini Field Site 2014

Bimini Field Site 2014 Men’s Long Sleeve
Bimini Field Site 2014 Tote
Bimini Field Site 2014 Racerback Tank
Bimini Field Site 2014 Baby Bodysuit

Men’s Long Sleeve T-Shirt by American Apparel
Tote Bag
Women’s Bamboo Performance Tank by ALO
Baby Short Sleeve One Piece

Color

Size

One size Size

Color

Size

One size Size

Color

Size

One size Size
Additional students are invited to join this field course, which will be primarily comprised of students from University of New Brunswick (UNB). The course will cover topics including DCP’s research methods, photo-ID and dolphin behavior. The exact schedule varies by day and weather, but in general, the morning and early afternoon include lectures, discussions and photo-ID exercises. The afternoons are spent on the boat in search of wild dolphins. While on the boat, students assist in data collection, including surface observations and collecting underwater still photographs for DCP’s photo-ID catalog (when we are able to observe the dolphins underwater). The course includes 5 boat trips (weather dependent; no refunds), 6 nights’ hotel accommodation (double or triple occupancy, fresh water shower, basic cable TV, A/C) and all group meals (students assist with meal prep and clean-up). Non-UNB students are not required to register for academic credit, although DCP can provide documentation and assessment for your participation should you require it. The course fee does not include tuition credits. The course fee is $1620. A non-refundable deposit of $325 is required to hold your space with final payment due by 1 April.
Hey there everyone - Justin here. Have you by chance heard of Hay Festival? It’s kind of a big deal. Although I had not heard of it until I received an invitation to speak at it just a few weeks ago! It’s a world famous arts and literature festival that takes place at Hey-on-Wey in Wales every year. There are versions of the festival that happen all across the globe as well, so there might be one happening near you this year. Big name famous people show up to give presentations about their life’s work, in addition to the hundreds of less well-known authors (like me!) who show up to give inspiring lectures on their pet subject. It’s a chance to rub elbows with old and new fans, sign books, and generally be immersed in book culture.

Here is how Hay Festival describes itself:

“Hay gathers people together to think about the world as it is and to imagine how it might be. It’s a big conversation about discovery and intellectual adventure. We share stories and ideas with great international writers and thinkers, film-makers, historians and novelists, philosophers, environmentalists, poets and scientists. And at night we like to party with the greatest comedians and musicians. It’s a bunch of mates hanging out in a field with time to think, finding the inspiration to re-imagine the world. Hay is, in Bill Clinton’s phrase, ‘the Woodstock of the mind’.”

As you can imagine, I am pretty psyched to be attending Hay! Here are just a few of the big names that will be attending this year in Wales: Stephen Fry, Judi Dench, Toni Morrison, Arianna Huffington, PJ O’Rourke, Bear Grylls, and Jennifer Saunders.

Will I get to meet any of these people? I have no idea! But I’d be pretty psyched to have any of these folks attend my humble lecture on dolphin cognition. In case you happen to find yourself at Hay this year, please come check out my lecture - it should be happening sometime in the afternoon or evening on May 27th. The entire festival runs from from 22 May to 1 June this year.

See you there!

Justin
Featured Dolphin: Tilly (#87)

Adopt Tilly today and receive a bonus dolphin photograph!

Tilly (#87) is a young juvenile in the Bimini, Bahamas Atlantic spotted dolphin population. Easily recognized by all since losing much of her dorsal fin, she has been seen playing with Lil’ Jess (#35) and Billy (#64).

Click here to adopt Tilly: http://tinyurl.com/AdoptTilly

As an adoptive parent of Tilly you will receive

--> An official adoption certificate
--> Photograph of your adopted dolphin
--> Details on how to download dolphin vocalizations from the Bimini adopt-a-dolphins as a ringtone or audio file
--> DVD containing video of the Bimini dolphins
--> Biography of your adopted dolphin
--> Welcome letter and registration info
--> Information Booklet with Atlantic spotted dolphin fact sheet and info about DCP
--> Dolphin trading card sample

Adopt by 15 March and you’ll receive a bonus 5x7 photograph of a Bimini dolphin!

You can adopt Tilly by visiting DCP’s adopt-a-wild-dolphin page at

www.adoptawilddolphin.com

Already adopted Tilly? Add her trading card to your collection for just $1.40!
http://www.dolphincommunicationproject.org/shop/trading-cards.html
Adopt a Wild Dolphin

www.adoptawilddolphin.com

What's in your Adoption Kit?

- An official adoption certificate
- Photograph of your adopted dolphin
- Details on how to download dolphin vocalizations from the Bimini adopt-a-dolphins as a ringtone or audio file
- DVD containing video of the Bimini dolphins
- Biography of your adopted dolphin
- Welcome letter and registration info
- Information Booklet with Atlantic spotted dolphin fact sheet and info about the Dolphin Communication Project
- Dolphin trading card sample

Dolphins currently up for adoption

Adopting a wild dolphin with DCP helps to fund:

- The purchase of new research equipment (e.g., cameras, underwater microphones)
- Conservation and education programs on Bimini, in the US and around the world
- Publication and dissemination of DCP’s research results to the scientific community and the general public
- Maintenance of the DCP website, field reports, and our podcast The Dolphin Pod
- Classroom education programs for school-aged children including DCP Youth Program, Dolphin Research Trainee, Classroom Connections
- Volunteer, ecotour and internship opportunities for the public

You can name #95 and he’ll be added here! Check page 11 and our website for details.

Holiday gift ideas
www.cafepress.com/holidaydolphin

Adopt-a-wild-dolphin t-shirts
tinyurl.com/ylfx44v

Where does money raised from DCP’s adopt-a-wild-dolphin program go?

- Fundraising 13%
- Education Programs 32%
- Scientific Research 55%
Belated congrats to Alexis Levengood (University of Saint Andrews) who completed her Master’s program in 2013!

The role of kin and non-kin in calf associations (A. Levengood, K. Dudzinski and V. Janik)

Kinship has shown to be an important factor in the relationships of many social animals, including cetaceans. (Möller et al. 2001; Parsons et al. 2003; Wiszniewski et al. 2010). The aim of this study was to uncover the role of kin and non-kin in non-mother-calf associations in a group of captive bottlenose dolphins (Tursiops truncatus) to determine the importance of individuals involved in calf development and provide new evidence toward the support, or lack thereof, for kin-selection in association patterns. This was the first study to examine the role of kinship in calf associations and the results have shown that calves preferentially associated (in both frequency and proportion of time) with non-kin conspecifics. Factors, such as calf identification (specifically personality/sociality), calf age, and associate age likely played a more important role in the associations of calves. Nonetheless, with such a small sample size these results warrant caution, due to possible bias. As such, future research with robust data, numerous calves, and ample kin available should be done to determine whether these results hold true for other populations as well.

Early Access Article!


This research note has been published online, in advance of its print publication. In this study, photo-ID records were analyzed for evidence of shark-induced injuries, often in the form of a crescent-shaped injury or scar. Fifteen percent of cataloged individuals within the Bimini dolphin population exhibit evidence of a shark attack, with another 16% exhibiting scars from undetermined sources. Patterns in the location on the body of the attack were determined with most attacks on the dorsal side and the fewest on the ventral side, as expected. Trends related to age and sex were also calculated. Although the level of healing prevented most scars from being linked to a specific shark species, we suspect bull (Carcharhinus leucas), tiger (Galeocerdo cuvieri), shortfin make (Isurus oxyrinchus) and dusky sharks (Carcharhinus obscures) to be possible predators of dolphins near Bimini. This study does not estimate the rate of attacks on dolphins; here, we estimate the rate of unsuccessful attacks.
DCP ID#095 is a juvenile male. He lives off the island of Bimini, The Bahamas, and was first seen by DCP in 2010. Like many of the spotted dolphins off Bimini, ID#095 was already independent from his mother when we were able to catalogue him and we do not know who his mother is. We recognize ID#095 most easily when we see his right side where he has a faint blotch beneath his developing spots. Of course, we also like to see the spots on his left side – and look forward to see all the spots he develops in the years to come. So far, ID#095 has been seen swimming with Tilly (#87), Milo (#96) and other spotted friends.

Now that you know a bit more about ID#095, what name do you think suits him best? The cost to give a name to ID#095 - a rare and unique opportunity - is $750. If you've got a name in mind, you can purchase your name-a-dolphin kit today! To name ID#095, please visit:

http://tinyurl.com/name095

After you make your purchase (using PayPal via the DCP website), we will contact you for more information about the name you’ve chosen.

What you will receive in your Name-A-Dolphin kit

- personal welcome letter
- a certificate of naming
- a photo of your named dolphin suitable for framing
- a biography of your named dolphin
- unique footage of the dolphin you have named (a track on the adopt-a-dolphin DVD)
- an adopt-a-dolphin DVD with footage of the Bimini dolphin group
- a personalized adoption t-shirt showcasing an image of your named dolphin
- information about DCP and our research around Bimini
- Dolphins: The Lighter Side DVD
- A copy of the book Dolphin Mysteries, signed by Dr. Kathleen Dudzinski or Are Dolphins Really Smart signed by Justin Gregg
- Dolphin Communication Project note cards and/or postcards (packet of 10)
- 10% discount on DCP eco-tour (valid for 2 years)
- an electronic subscription to the Dolphin Gazette, DCP’s quarterly newsletter
**DCP’s Adopt-a-Dolphin Program**

DCP currently has ~20 dolphins from our catalog of Atlantic spotted dolphins residing around Bimini, The Bahamas available for adoption. While adoptive parents do not get to take their dolphins home, they will receive a certificate of adoption, a photo of their adopted dolphin, some facts about Atlantic spotted dolphins, information about DCP and our research around Bimini and a dolphin video. They will also receive the most recent edition of the Dolphin Gazette, DCP’s quarterly newsletter, announced quarterly by eblast. Be sure to send us your email address, or subscribe online at the newsletter page!

Yes! I want to adopt a dolphin!

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Name: ____________________________
Address: __________________________
__________________________________
__________________________________
City: ____________ State: ____ Zip: ____
Email: ______________________________

If this is a gift, please note gift GIVER address:

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Name: ____________________________
Address: ___________________________
__________________________________
__________________________________
City: ___________ State: ____ Zip: _____
Email: ______________________________

I would like to adopt a dolphin: $30 for one year. **Dolphin name:**

Please cut out and mail your order form, with check, to DCP at P.O. Box 711, Old Mystic, CT 06372-0711. Credit card payment is available online through our web site at www.dolphincommunicationproject.org

<table>
<thead>
<tr>
<th>Postcards</th>
<th>$1.00 each/ 3 for $2</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Postcard Image" /></td>
<td></td>
</tr>
<tr>
<td><img src="image2" alt="Postcard Image" /></td>
<td></td>
</tr>
<tr>
<td><img src="image3" alt="Postcard Image" /></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Iruka Gear</th>
<th>To purchase Iruka gear visit <a href="http://www.cafepress/irukagear">www.cafepress/irukagear</a></th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image4" alt="Iruka Gear Image" /></td>
<td></td>
</tr>
<tr>
<td><img src="image5" alt="Iruka Gear Image" /></td>
<td></td>
</tr>
<tr>
<td><img src="image6" alt="Iruka Gear Image" /></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Notecards</th>
<th>$2.50 each/ 3 for $6</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image7" alt="Notecard Image" /></td>
<td></td>
</tr>
<tr>
<td><img src="image8" alt="Notecard Image" /></td>
<td></td>
</tr>
<tr>
<td><img src="image9" alt="Notecard Image" /></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DCP Gear</th>
<th>To purchase DCP gear, visit <a href="http://www.cafepress/dcpgear">www.cafepress/dcpgear</a></th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image10" alt="DCP Gear Image" /></td>
<td></td>
</tr>
<tr>
<td><img src="image11" alt="DCP Gear Image" /></td>
<td></td>
</tr>
<tr>
<td><img src="image12" alt="DCP Gear Image" /></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Membership</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>$100 Bimini :</strong> Calendar, 6 Dolphin Trading Cards, DCP Info Booklet, Personal welcome letters from Kathleen Dudzinski and from Kelly Melillo Sweeting</td>
<td></td>
</tr>
<tr>
<td><strong>$100 DE :</strong> DE adopt-a-dolphin kit, Dolphin calendar, DCP Info Booklet, Personal welcome letter</td>
<td></td>
</tr>
<tr>
<td><strong>$100 RIMS :</strong> DVD about RIMS dolphins, Dolphin calendar, DCP Info Booklet, Personal welcome letter</td>
<td></td>
</tr>
<tr>
<td><strong>$1,000 Research :</strong> Adopt-A-Wild-Dolphin kit, Calendar, Water bottle, DCP Info Booklet, Personal welcome letter, Update following dolphin survey</td>
<td></td>
</tr>
<tr>
<td><strong>$500 Education :</strong> Dolphin Activity Guide and DVD, Calendar, DCP Info Booklet, Personal welcome letter, Signed copy of Dolphin Mysteries. A visit from a DCP researcher OR a free Classroom Connections program</td>
<td></td>
</tr>
<tr>
<td><strong>$200 Dolphin Pod :</strong> Calendar, Water bottle, DCP Info Booklet, Personal welcome letter, Involvement in the podcast episode</td>
<td></td>
</tr>
<tr>
<td><strong>$150 Conservation :</strong> Calendar, Water bottle, DCP Info Booklet, Personal welcome letter, Personalized update following Bimini beach clean-ups</td>
<td></td>
</tr>
</tbody>
</table>

Support DCP’s research efforts buy purchasing some of the many products that we offer for sale. All products seen here are also available on our website: www.dolphincommunicationproject.org All profits from the sale of these products will directly fund DCP’s research and education efforts. DCP is a nonprofit organization.
Dolphin or not?

A number of dolphins (i.e., animals in the family Delphinidae) are called “whales.” Five of the six “whales” you see below are in fact dolphins. Do you know which one of these is not a dolphin?

(answer at bottom of page)

Melon Headed Whale  
Killer Whale  
Pilot Whale  
Beluga Whale  
False Killer Whale  
Pygmy Killer Whale

Answer: The beluga whale is not a dolphin.