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The Dolphin gazette

NEWSLETTER FOR THE DOLPHIN COMMUNICATION PROJECT

The Dolphin Communication Project (DCP) is focused on the dual goals of scientific research and education. Our mission is to promote the scientific study of dolphins and inspire their conservation.

Wow! 2023 flew by!

Dear Reader/DCP supporter,

We were so busy this year that it passed in the blink of an eye! And we have a *Dolphin Gazette* that is jam-packed with juicy details and updates. Upfront on pages 2 and 3 are DCP's NEW product including shirts, rash guard colors, tanks, and protector and traveler kits! With these items, you can take DCP with you wherever you go. With an ecotour and student groups, I visited Roatan and AKR/RIMS 4 times in 2023, and you can review the updates from each visit inside. We collected LOTS of data! Savanna finished her B.S. and began her M.S. degree work with us focused on mother/calf contacts. Megan spent time with us on Roatan, in Florida, and virtually from Texas. Both Savanna and Megan share their perspectives on DCP. Kel has been busy with education outreach, webinar planning, and social media. Stay tuned for more online content in 2024! And, for the coming holiday season, we have some puzzles and our annual coloring page (Thanks, Ranke!). Happy reading and stay tuned to our website for new blog content in January.

Cheers!

~Kathleen



In this issue

Online Store Restock | New Kits! | Updates from Roatan | RIMS Oct 2024 Ecotour | Outreach Updates | Recorded Webinars | Podcasts | Publications | New Memory Game | New Coloring Page

Mailing Address

Dolphin Communication Project
P.O. Box 7485
Port St. Lucie, FL 34985
USA

FL Solicitation of Contributions
Reg. #: CH42894 (also see page 16)

Thank You for your Support!

Thank you to Catalina, Sia, and Paige (CSU), Kayla, Allie, Brooke, Sabina, Isabel, Julia, Daniella, and Katy (SHU), Savanna, Brendan, Xavier, Abby, and Talia (NSU), and Megan (StMU) for your help processing video data for varied research projects! Your contributions to our programs are most valuable!!

Internships & Volunteer Opportunities

If you are interested in interning or volunteering with DCP please note most positions are office-based and do NOT include field work. Check out the DCP website before contacting us at info@dcppmail.org.

DCP's Online Store

Thanks to everyone who has purchased cool DCP gear!

New Tanks, Totes & Rash Guard Colors!

Unisex & ladies fitted tanks
Rash guards now in orange & aqua
Canvas totes
Ladies fitted t-shirts



Also available:

Performance Polos

Collar for sophistication, quick-dry material for comfort!

Bracelets

The mini option from Bali Y'all or the full-size option with special-edition DCP blue/orange bands!

Limited Edition 20th Anniversary Shirts

Long or short sleeved. Limited stock!

Classic Logo Shirts

Short or long sleeve shirts - New Stock!
Ladies' fitted - New!



Hoo-rags

Full-size bandanas for sun protection or half-size to hold back your hair!

Tanks

Unisex & Ladies Fitted

Rash Guards

UPF-50

Trading Cards

DCP Team + Dolphins



Dolphin Protector Kits!

Declare yourself a Dolphin Protector!

New in the DCP online store: Dolphin Protector Kits

Learn about and protect one or more of the dolphin species DCP researchers study

3 species to choose from: common bottlenose, Indo-Pacific bottlenose, and Atlantic spotted dolphins

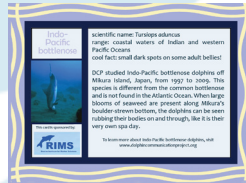


Print kits include:

- species fact sheet
- species trading card
- second surprise trading card
 - species 5x7 photo
 - 2 DCP stickers
- DCP awareness card
 - DCP's info booklet
- thank you letter (with video links)
 - personalized certificate

Just \$39 plus shipping

[Click here](#)

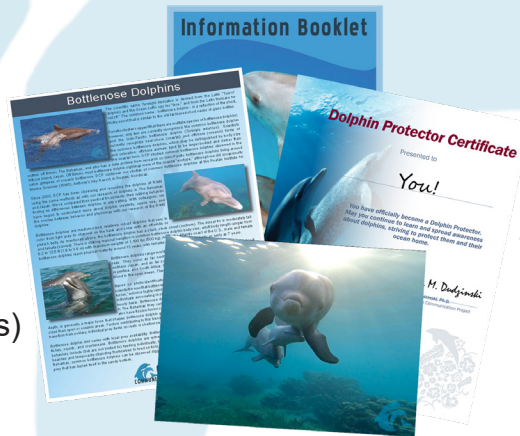


E-kits include:

- species fact sheet PDF
 - species 5x7 JPG
- DCP awareness JPG
- DCP's info booklet PDF
- thank you letter (with video links)
- personalized e-certificate

Just \$29

[Click here](#)



DCP Traveler Kits

Travel In Dolphin Style

Whether across the world or around the neighborhood, a DCP Traveler Kit is adventure ready!

Traveler kits include:

- DCP tote
- DCP bandana (Hoorag)
- 2 travel-sized Stream2Sea
 - 2 DCP stickers
- DCP's info booklet
- Thank you letter
- Choice of DCP Shirt

\$60 - \$75 plus shipping

[Click here](#)



Update from the Field: DCP at RIMS/AKR in Jan '23

Submitted by Kathleen Dudzinski, PhD (DCP Director)

It's become a lovely tradition to ring in the New Year at Anthony's Key Resort (AKR) in Roatan, Honduras. Each year, I collect data for DCP's archive on bottlenose dolphins at the Roatan Institute of Marine Sciences (RIMS). This year started with back-to-back week-long field courses with Colorado State University (CSU), led by Dr. Shane Kanatous. The first CSU group dubbed themselves the "WET Rams" ("We Explore Together," Rams). CSU group 2 was the self-described "Pec Fin Posse."

Our third field course was with University of Rhode Island (URI) and Dr. Justin Richard. Their blog handle was "URI's Mystic Mermaids." Each student contributed their daily impressions to our blog, which you can [read and re-read here](#).

All the groups rose early (maybe a bit groggy by mid-week but still up and on time!) each day to observe the morning MVA data collection session. Students were trained in collecting surface and space use data. During the week, they visited Maya Key, which is filled with replica ruins, rescued animals, and snorkeling opportunities. Students improved their snorkeling skills, along with fish species and individual dolphin IDs. They even experienced a night snorkel! Fiesta Night is always a big hit, with Limbo Kings and Queens, and some hermit crab race winners in our midst.

Even though I have been collecting data at RIMS for 21

years, and running field courses here since 2010, every single trip and data collection session is different. This is an important lesson each student is able to learn: from weather to currents to underwater visibility to the dolphins themselves, no two days are alike nor fully predictable when in the field. Overall, I recorded 19 sessions of underwater data (~10 hrs) plus 13 space use morning data sessions and field tested a drone perspective for space use imagery (Thank you, John).

As always, I am very grateful for Manon's assistance – with data collection, teaching, and imparting wisdom to students. The training staff is invaluable, and the students are always engaged when learning about training techniques, including an introduction to operant conditioning from Teri. Jennifer's talks on coral restoration and sea turtles are a great addition and Samir, the AKR GM, is very engaging. And of course, thanks to Susie the Cat who was always on watch, even when her brothers, Primo and Big Boy, were not!

Thank you to the professors, students, and AKR and RIMS staff and management. We'll see what Bill Gee's granite dolphin statue looks like by my return in March!

~Kathleen



...DCP at RIMS/AKR in March '23



In late January, I returned home after three weeks at the Roatan Institute for Marine Sciences (RIMS)/Anthony's Key Resort (AKR). Then, I blinked, it was March, and I was headed back! This time, I led DCP's field course with St. Mary's University (StMU), from San Antonio, Texas, to Roatan, Honduras. Drs. Heather Hill and Melissa Karlin brought 13 students who nicknamed themselves the "Snorkeling Serpents" for blog sign-off purposes. You can read or re-read the students' notes of the day in each blog post on the DCP website.

Data collection at RIMS starts bright and early and this week was no exception. I was able to collect approximately 3 hours of underwater video with both the MVA4 and GoPro10 across six morning sessions between 6:15 AM and 7:30 AM. Students collected a total of 14 sessions of space use data; each student group collected space use data before, during, and after my underwater data sessions, as associated with dolphin encounters and swims, and morning and afternoon baseline sessions. Students entered data sheets and did preliminary analyses of panoramic photographs to confirm GPS coordinates of dolphins – and me!



After dolphins, the theme for this week ended up being "trying new things and overcoming fears." For some, it was their first time snorkeling in salt water (or any sea or ocean!)! Maya Key and Fiesta Night were hits, as always, and the students were engaged learning about fish IDs and coral restoration. This course also interacted with monkeys and sloths and went ziplining at the "Mayan Jungle"! Plus, there was no shortage of tasty desserts. Yum!

We also got to see the amazing progress by Bill Gee on his dolphin sculpture! He has come a long way and each of the three dolphins – a mom-calf pair and a juvenile – are really forming from the granite. Thank you to the professors, students, and AKR and RIMS staff and management.

Cheers,

~Kathleen

Photos

P4, top right: Sandy greeting the students for AM data collection. Middle left: Night snorkel with oversight by Ron and Don.. Middle right: Elli drapes seaweed over her right pectoral fin! Lower left: A lovely rainbow over Anthony's Key.

This page, top: Gracie. Bottom: The StMU students return from Bailey's following afternoon data collection. P6, top right: Rocky mouthing Sandy in play. Bottom right: York University's dolphin encounter with Tilly

...DCP at RIMS/AKR in May/June '23

In mid-May, I headed to Roatan, Honduras, for my third research and education trip of 2023 – this time for four weeks! It is always great to be back at Anthony's Key Resort (AKR) and to collaborate with the trainers and observe the dolphins at the Roatan Institute for Marine Sciences (RIMS), and I was thrilled to have Manon's assistance once again. This visit included DCP's fifth and sixth university field courses of the year; DCP Course #5 was our first program with York University (Toronto, Canada) and Course #6 was Colorado State University's (CSU) third course this year alone. The York program was led by Dr. Kristin Andrews and included seven students (a mix of undergrad, graduate, and post-graduate individuals) and Dr. Richard Moore from University of Warwick (Coventry, UK). This program included all the early morning data collection sessions, lectures and seminars, snorkeling (during daylight and after dark!), Maya Key visit, Fiesta Night, and more, but the York crew was at AKR/RIMS for two weeks instead of one. We also had several lectures from Kristin and Richard, as well as the two post-doctorates (Shereen, Giulia) on various philosophical topics. Both Kristin and Richard are philosophers. We enjoyed the lively conversations and discussions.



The CSU students were led once again by Dr. Shane Kanatous. The days were busy during this one-week program and, following the field portion, each student completed a PSA for the CSU community or developed a "behavioral indicator of physiology" research proposal. As is traditional, they got a brain workout from Dr. Kanatous's physiology lectures and also had the special treat of a talk on statistics and data science from long-time DCP supporters Dr. Chris and Dave who were at AKR during the program.

Once the students and professors departed, we took a moment to catch our breath and welcome another long-time supporter Bill Sperling and DCP's current NSU Master's student Savanna Duda to RIMS. Our mini-ecotour was productive on the data collection front and we had assistance with space use data collection from Teri's RIMS interns. Savanna even presented her recently completed undergrad thesis to Teri and the intern cohort. Over the course of these four weeks, we collected 22 hours of MVA and accompanying GoPro video data and 21 sessions of space use data collection; most were concurrent with my MVA/GoPro sessions but we did collect several in association with dolphin encounters and swims. We have a LOT of data to process!

And for those of you who have been following along, Bill Gee's granite dolphin sculpture is coming along quite nicely!! As always, Manon and I offer our heartfelt thank you to the professors, students, and AKR and RIMS staff and management. It is an honor to study the dolphins as well as offer such impactful educational experiences. I'll be back in October!

Cheers,

~Kathleen



...and DCP at RIMS/AKR in October!



October meant my return to Anthony's Key Resort (AKR) on Roatan, Honduras, for my fourth research and education trip of 2023 – a one-week DCP ecotour! I was joined by 11 guests: long-term supporters (thank you Bill, Don, & John), a few mid-term supporters (woohoo Louise, Shannon, & Kate), and some newbies (welcome Linnea, Stephanie, Dick, Scott, & Irma!). We were all ready for a great visit to AKR and the Roatan Institute for Marine Sciences (RIMS). Though we all had long travel days, our first group dinner was rambunctious and delicious. Things were off to a good start...

On the research front, I was able to collect underwater data sessions #51 – 56 (~3 hours) with the MVA4 and mounted GoPro10. These data were collected during morning sessions, between 6:15 AM and 7:30 AM. Thanks to those who rose early with me! It's been a very productive year and that means lots of hours logging and coding data in DCP's future.

Some highlights of this ecotour included:

A DCP wedding! Congratulations to Louise and Doug! The sunset ceremony was beautiful, and we were all honored to celebrate with you.

Quiet dolphins! One data session had no audible vocalizations from the dolphins for a solid 15-20 minutes; until Sandy broke the silence, ha!

Warm seas :-(Divers in our group reported higher than normal bottom temps (87°F!) and notable coral bleaching.

Bill G. was on-island and his granite dolphin sculpture is nearly complete!

I enjoyed observing all the dolphins and celebrating Dolphin Bailey's birthday on our final full day, which happened to be Friday the 13th.

Thank you to all the DCP participants, all RIMS and AKR staff, and of course, the dolphins. I'll be back in late December with Manon for a small ecotour and two university courses!

As always, catch up on all the field action in DCP's blog anytime at <https://www.dolphincommunicationproject.org/blog-field-reports/>

~Kathleen



Top Photo: Gizmo!

Bottom Photo: Celebrating Louise & Dick's wedding! DCP's first ever wedding on an Ecotour!

Join Kathleen at RIMS: October 2024

Anthony's Key Resort Roatan, Honduras October 5 - 12, 2024

As has become tradition, Kathleen will ring in the New Year in Roatan with our winter college field courses. You can look ahead and sign up for our October 2024 ecotour! As always, spaces are filled on a first-come, first-served basis, but we still have a spot for you!

Check out the [RIMS Ecotour page](#) (look under the Knowledge Hub > Ecotours) to learn more about logistics and other details. Or send DCP an inquiry by email: (info{at}dcpmail{dot}org).

Who: You! Join DCP on a trip to Roatan led by Dr. Kathleen Dudzinski. Each trip accommodates up to 16 participants, unless identified as limited space. **Please note: children under 18 must be accompanied by a parent or guardian – absolutely no exceptions.*

What: DCP records the behavior and sounds of the bottlenose dolphins at RIMS, Anthony's Key Resort. Participants assist with data collection and analysis of video data to confirm dolphin IDs - as much or as little as they like.

Where: Anthony's Key Resort, Roatan, Honduras

When: 5-12 October 2024

Cost: See below for diver and snorkeler rates. Key and Hill Superior rooms include air conditioning and a small mini fridge. Rates include 19% hotel tax.

Key Superior Diver: \$2,450.00
Hill Superior Diver: \$2,050.00

Key Superior Snorkeler: \$2,350.00
Hill Superior Snorkeler: \$1,950.00

Deposit: A \$200 USD/person nonrefundable deposit will be needed to hold your space. After receiving your deposit, your remaining balance can be split into two payments. 50% of balance due April 2024; final balance due June 2024.

Notes:

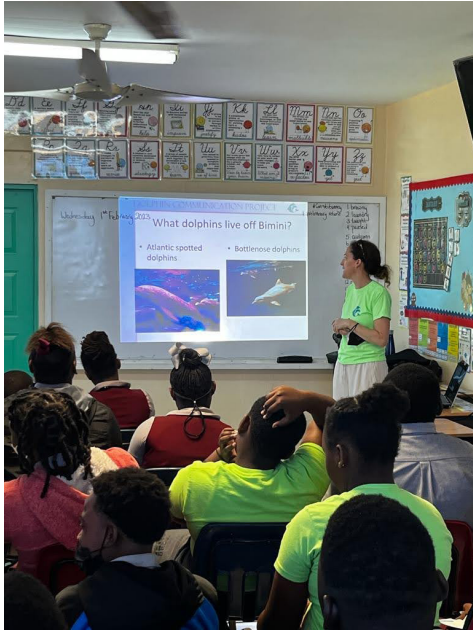
~A portion of your ecotour trip fee may be tax-deductible. Consult your tax adviser for more details.

~These costs are based on double occupancy and include lodging, three meals a day, and more. Contact DCP for more details about trip logistics. Bottled water, alcohol, and soda are available for a small fee. Airfare and Honduran departure taxes are NOT included.



Education/Outreach Update

Submitted by Kel Sweeting, MSc



It felt great to share dolphin science with elementary students and Bimini visitors. Here are some of the highlights:

Bimini Primary Grades 1 - 4: Sharks vs Dolphins

Can a shark educator and a dolphin educator be friends?

Bimini Primary Grades 5 & 6: Dolphins off Bimini

An intro to dolphins generally and some cool facts about the Atlantic spotted and bottlenose dolphins found just off Bimini's shores (*top photo*)

BNT Discovery Club (Bimini): Dolphin Photo-ID

An in-classroom session highlighting dolphins for this after-school science club (*excerpt of student feedback in bottom graphic*)

St. Rita School (Connecticut, USA): Dolphin Adaptation

I swung by my former elementary school and had a blast talking dolphins to sixth grade science and both fourth grade classrooms.

Plus, I had wonderful chats with dolphin-loving tourists on Bimini including Dive Ninjas at Neal Watson's SCUBA Center, Sea Crest Hotel & Marina guests, and Dive Mojo aboard the Juliet (*middle photo*)!

A heartfelt thank you to all the administrators, teachers, and students who made these in-person visits a success!

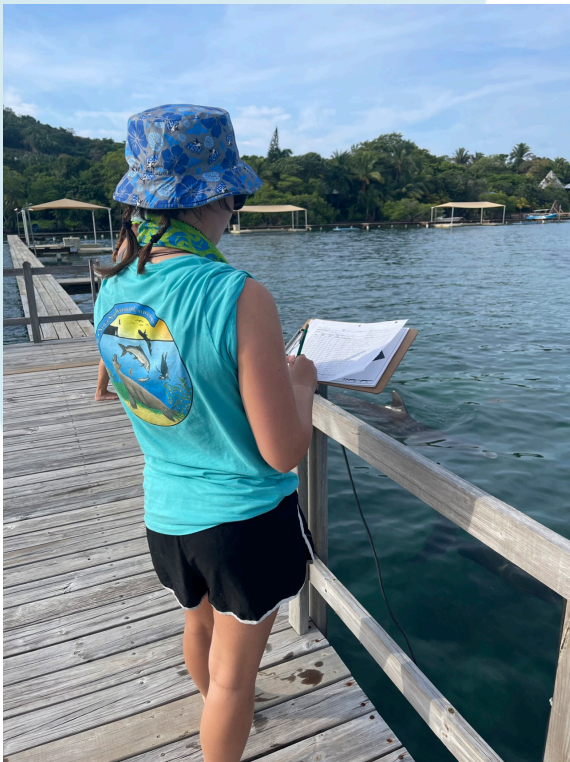
~Kel



Student Reflections: Savanna

Submitted by Savanna Duda (NSU)

My name is Savanna Duda and I recently graduated from Nova Southeastern University with a Bachelors of Science in Marine Biology. Over the past two years, I've had the privilege of working with Dr. Kathleen Dudzinski and the Dolphin Communication Project to conduct an undergraduate thesis. After being introduced to Kathleen through my advisor, Dr. Amy C. Hirons, I started with video logging the underwater video from the Roatan Institute of Marine Science (RIMS) and was given the space to find something in the dolphin behaviors that piqued my interest. After watching the many different interactions between these dolphins and reading up on previous DCP and other dolphin behavioral research, I decided to study contact exchanges between mothers and their calves. Working with Kathleen to develop this question was rewarding in that she gave me valuable guidance while also allowing me to use the knowledge and skills I already possessed with confidence. I gained so much through the process and completion of this project, especially thanks to Kathleen and Manon Themelin. They both taught me an immense amount about behavioral research and dolphins overall. I look forward to continuing to learn as much as possible from them both as I continue my research journey.



Most recently, that journey moved to the field to learn more about the data collection process of the RIMS dolphins. My trip to Anthony's Key Resort (AKR) was both fulfilling and inspiring. Being able to meet and interact with the dolphins I've been studying for my undergraduate thesis was truly a full circle moment. As much as I thought I knew and understood about these animals, seeing them in the flesh was a completely different perspective. My snorkel swim with the group was incredible, where I got to see several moms and calves swim right past me. The second aspect of this trip, inspiring, really goes to reinvigorating my love and drive in the research. Firstly, with Kathleen and Manon, seeing how well they know these dolphins was amazing. They are truly committed to these dolphins, as well as to all the people working at AKR and RIMS. The trainers are so knowledgeable of and compassionate towards their dolphins, I felt lucky getting to hear their unique perspective. My encounter with Elyork (trainer) and Tank (dolphin) showed me what it really means to spend so much close time working with these dolphins. Though it flew by, my time in Roatan gave me a greater appreciation of the data collection process and new excitement to expand my study of mother-calf contacts in my Masters thesis.

~Savanna

Top: Savanna at her Honor's Thesis defense at NSU. Bottom: Savanna collecting data at RIMS.

Student reflections: Megan

Submitted by Megan Davis (StMU)



I was overjoyed this spring when I was offered my dream opportunity to join Dolphin Communication Project (DCP), Dr. Dudzinski, and her colleagues as a summer intern. As a nontraditional student, I fully embraced this chance to expand my knowledge and gain experience in the cetacean research field. Only days after receiving my A.S. degree, I packed my car and made the journey from San Antonio, TX to DCP in Port St. Lucie, FL. It's been a pleasure meeting the members of the DCP team and partners while having the opportunity to learn from each of them. While learning data entry and coding skills at the DCP offices and gaining new firsthand field study experiences conducting data collection in Orlando, (lots of travel!), I have experienced immeasurable growth. I have also enjoyed the opportunity to see the work that goes into the creation of scientific journals that we as student researchers often turn to, and hope to one day be published in.

Throughout this summer internship, I was involved in 4 different projects, all with varying duties. I enjoyed the challenge of learning to identify around 50 different dolphins between two facilities while learning to identify behaviors both during real-time data collection in Orlando and logging dolphin visibility data from videos in Roatan, Honduras. Furthermore, I learned how to capture data points from research videos using specific software for later analysis. I have also had the opportunity to learn more about Excel, scientific writing, and more proficient methods for future data collection. Additionally, I had the chance to hone my adaptability skills as we navigated scheduling changes due to inclement weather or other events beyond our control during field collection. Finally, and perhaps most importantly, I have learned three valuable life lessons: the joy (and anxiety) that accompanies learning something new; embracing the notion that as an adult learner, a "beginner mindset" is a gift... that it's okay to not know everything, nor is it expected; and finally, the importance of creating a work-life balance.

Scientific research is an intense and often challenging vocation but is one that I love. I have confirmed to myself that my passion and the future I desire is in cetacean research. As I now return to San Antonio to pursue my B.A. degree, I am grateful to everyone who has been a part of this incredible summer. I am thankful to have had the opportunity to learn from some of the greatest women in the field and am excited to continue learning all I can from them in the future.

Cheers,

~Megan



Top: Megan Davis.

Bottom: Megan observing the dolphins at RIMS.

Online Dolphin Education

Great additions to our recorded webinars!

DCP webinars: We continue to offer live programs in addition to recordings of each program.

(Live Dolphin Lessons have a password; contact DCP if you have not already received it.)



A huge thank you to everyone who joins live and to those who catch the recordings. We are grateful to all of our guest speakers, too!

[Webinars on DCP Website](#)

[Webinars on DCP's YouTube Channel](#)

[Webinars on DCP's Vimeo](#)

Below are direct links to just some of our individual talks:

DEEP DIVES:

- [Dolphins, Drones, and Urine](#)
- [A Dolphin's Guide to Maintaining Friendships](#)
- [Human-made noise impacts bottlenose dolphins' ability to work together](#)
- [Photo-ID off Nicaragua](#)
- [Lateralization Of Socio-Sexual Behavior In Belugas](#)
- [Distribution Of Dolphins In Nearshore Bimini Waters](#)

DOLPHIN LESSONS:

- [I Found A Stranded Animal, Now What?](#)
- [Sounds In The Sea, Listening To Learn](#)
- [More Marine Mammal Adaptations!](#)
- [How to Draw a Dolphin](#)

More kid and kid-at-heart friendly activities are under the Knowledge Hub on our website.

[Click here to head straight to our free Kids Science Activities!](#)

Did You Know?



Cetacean forelimb
www.locolobo.org/CetaceanEvolution

The ancestors of dolphins were four-legged land based animals who walked the earth many millions of years ago. You can see evidence of dolphins' land-based history by looking at the bones in their pectoral fins. Even though the pectoral fin is shaped a lot like a paddle, the bones that make up the fin still retain the structure of their ancestors: you can easily see what look like 5 fingers and a wrist.

More Options to Support DCP!

We are proud to offer a variety of ways to support our mission - and spread dolphin joy!

Give the Gift of Membership!

What to get that person who is just so hard to shop for?

A DCP membership, of course!

With options from \$20 - \$500 and monthly or one-time payments, there is something for everyone. [Just click here.](#)

Donate

Whether it's a gift in someone's honor or part of your end-of-year giving plan, please consider making a donation to DCP to support our research and education efforts. [Just click here.](#)

Stream2Sea: More than just reef-safe sunscreen!

[Stream2Sea](#) specializes in reef-safe sunscreen, but they now offer a wide range of products, from hair care to hand sanitizer. They are also great supporters of ocean research and conservation. Use coupon code **dolphincomm** and DCP will receive a donation based on your purchase - at no additional cost to you!

Sponsor A Classroom - Dolphin Classroom Connection

By Sponsoring a Dolphin Classroom Connection, you support DCP's research, education, and conservation efforts financially, AND you bring DCP directly into a classroom of your choosing!

Anyone can Sponsor a Dolphin Classroom Connection. Have a child? Sponsor their classroom! Homeschool your kids? Sponsor your own classroom! Have a niece, grandson, neighbor who is a student or a teacher or a student teacher? Sponsor their classroom!

Want to Sponsor a Dolphin Classroom Connection, but don't know any kids or teachers? That's okay! We'll find a classroom for you!

Dolphin Classroom Connection kits come in print versions (\$250) and electronic versions (\$125). Choose what works best for your chosen classroom. Both options include a 45-minute Internet connection with a DCP scientist!

[Click here to start your sponsorship.](#)

Print Version

- *Welcome Letter
- *DCP USB drive with Educational Materials
- *30 DCP Info Booklets
- *45 min. Internet Connection with a DCP Scientist

E-Version

- *Welcome Letter with Links to:
 - **Educational Materials*
 - **PDF of DCP Info Booklet*
- *45 min. Internet Connection with a DCP Scientist

The Dolphin Pod & other podcast appearances

Episode 23: An Interview with Jason Bruck

Justin interviews Dr. Jason Bruck, Assistant Professor of Biology at Stephen F. Austin State University. Jason is the head of the Bruck Integrative Biology Lab where he and his students study dolphin behavior and cognition. In this interview, Jason and Justin discuss advice he offers to students hoping to study dolphins, his latest research on dolphin signature whistles and urine, his unexpected past as a juggler, and more.



Episode 24: Relationship Quality

In an interview with DCP Research Associate Manon Themelin and DCP Director Dr. Kathleen Dudzinski, we learn how Manon got started researching dolphins and the exciting discoveries she's made. Manon's research into relationship quality (RQ) shows that the methods we apply to the study of ravens and chimpanzees works just as well for dolphins, albeit with some minor tweaks to accommodate for dolphins' aquatic lifestyle and anatomy. Also, it turns out that the positions dolphin adopt when swimming next to each other and how they navigate each others' slipstreams can tell us a lot about the relationships between individual dolphins.



Justin on Ologies

Justin joined Alie Ward for a chat about dolphins that covered so much it needed two parts! From brains to communication to Lilly to NASA to lore and more, this is a must listen *for mature audiences*.



2023 Publications!

Carzon, P., Clua, E., Dudzinski, K.M., Delfour, F. (2023). Deleterious behaviors and risks related to close interactions between humans and free-ranging dolphins: A review. *Biological Conservation*: 279. <https://doi.org/10.1016/j.biocon.2023.109948>. Visit the journal website or contact DCP for a PDF copy.

Manitzas Hill, H.M., Dudzinski, K.M., Lilley, M.K., Ham, J.R. (2023). Sexual Behaviors of Odontocetes in Managed Care. In: Würsig, B., Orbach, D.N. (eds) *Sex in Cetaceans*. Springer, Cham. https://doi.org/10.1007/978-3-031-35651-3_9. [This chapter, and the entire book, is open access. Meaning it's available to anyone with the internet!](#)

Manitzas Hill, H. M. M., Highfill, L., Bolton, T., Henriquez, W., Dudzinski, K., Gutierrez, M., Birk, D., & Yeater, D. (2023). Effects of Human-Dolphin Interactions on Tourist Knowledge of and Attitudes Toward Dolphins. *Society & Animals* (published online ahead of print 2023). <https://doi.org/10.1163/15685306-bja10150>. Visit the journal website or contact DCP for a PDF copy.

Duda, S, Themelin, M, Hirons, AC, Dudzinski, KM (2024) Contact exchanges in bottlenose dolphin mother-calf pairs. *Aquatic Mammals*, **In-press**

Plus several manuscripts in revision, review, or prep for publication consideration. Stay tuned for their acceptance and publication!



DCP's Winter Coloring Book

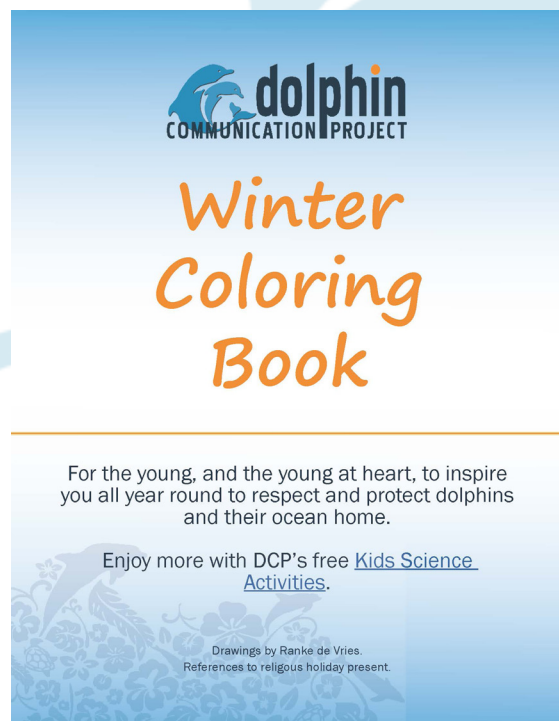
Whether you are young or young at heart, in a busy airport or relaxing with a cozy drink, we're pleased to offer all of DCP's winter coloring scenes in one, FREE PDF.

[Click here to download your copy.](#)

The 2023 coloring page is now included and can be found on the last page of this issue of the Gazette.

Enjoy!

Thank you Ranke!



End of Year Donations

**Donate now* for a 30% coupon to
DCP's online store!**

Tax-Deductible Donations

[Click here to make a donation online](#)

Or visit

www.dolphincommunicationproject.org
and look under Support Us (top right)

Prefer to send a check?

No problem!

Make checks payable to:
Dolphin Communication Project

Mail to:

Dolphin Communication Project
PO Box 7485
Port Saint Lucie, FL USA 34985

One-time & recurring, monthly donations are accepted.
You can also make donations in honor of a loved one.

*Donate by 31 Dec 2023 and receive a promo code for
30% off anything at the DCP online store; valid through 29
Feb 2024.

Online Store

Click here to order DCP-themed products directly from
our online store, powered by Square.

[Short sleeve t-shirts](#)

[Long sleeve t-shirts](#)

[Performance polos](#)

[Tanks](#)

[Rash guards](#)

[Limited edition, DCP-banded dolphin bracelets](#)

[Mini-dolphin bracelets](#)

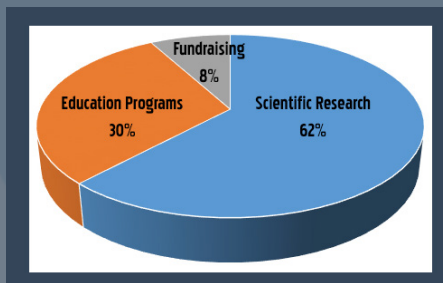
[Hoo-rags](#) (bandanas)

All items subject to availability.

And, it's easy to [add a donation](#) to your online order!



Where does money raised from
donations, Protector & Traveler
Kits, and field courses go?



The purchase of new research equipment (e.g., cameras, underwater microphones)

Conservation and education programs 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, blog, and our podcast The Dolphin Pod

Classroom education programs for school-aged children including Classroom Connections

Volunteer, ecotour, and internship opportunities for the public

*Support DCP's research efforts by purchasing some of the many products that we offer for sale and/or making a tax-deductible donation!
All profits from the sale of products will directly fund DCP's research and education efforts. DCP is a U.S. nonprofit organization.*

See next page for more information.

THE DOLPHIN COMMUNICATION PROJECT CHARITABLE SOLICITATION NUMBER CH42894, MEETS ALL REQUIREMENTS SPECIFIED BY THE FLORIDA SOLICITATION OF CONTRIBUTIONS ACT. A COPY OF THE OFFICIAL REGISTRATION AND FINANCIAL INFORMATION MAY BE OBTAINED FROM THE DIVISION OF CONSUMER SERVICES BY CALLING TOLL-FREE (800-435-7352) WITHIN THE STATE OF FLORIDA, OR 850-410-3800 WHEN CALLING OUTSIDE THE STATE. REGISTRATION DOES NOT IMPLY ENDORSEMENT, APPROVAL, OR RECOMMENDATION BY THE STATE.

In-Kind Donations: Our Wish List

Do you have access to any of this equipment? Contact DCP to make an in-kind donation today! (Yup, in-kind donations are tax-deductible, too. Contact your accountant to learn how.)

* Compact HD Projector (high vis) * Underwater still cameras * SD flash cards * GoPro * Handheld GPS * Office supplies * Frequent flyer miles * Laptop * Giftcards



Donate Online

One Time or Sustaining Donations:

Donate any amount - just once or make it an automatic monthly donation!

Your generosity is the lifeblood of our organization, and we could not operate without the donations we receive. Every scientific article we've published and every student mentorship opportunity we've provided has been made possible by financial support from people just like you.

Visit www.dolphincommunicationproject.org to become a member today!

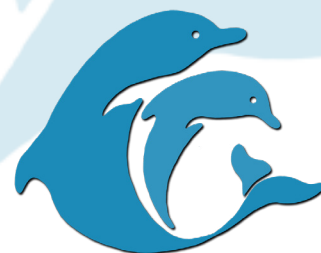
Membership

Sustaining Memberships:

Donate from \$5 to \$100/month to receive a special gift such as a pack of notecards, DCP water bottle, or a mini-dolphin bracelet (style varies).

Annual Memberships :

Student: \$20
Individual: \$30
Family: \$45
Supporting: \$75
Contributing: \$150
Patron: \$500



Supporting, Contributing & Patron Members can select a copy of *Dolphin Mysteries*, *Are Dolphins Really Smart?*, or *22 Fantastical Facts about Dolphins*. Contributing and Patron members also receive a mini-dolphin bracelet (exact style varies).

All gifts subject to availability and may change. Visit www.dolphincommunicationproject.org to become a member today!

DCP's Florida Solicitation of Contributions registration number is CH42894.

Matching Memory Game: Species Edition

Suggested Directions:

Print directly onto cardstock or print and glue onto card stock. Cut out squares. Place facedown. Take turns (or challenge yourself) matching species name and photograph.

common
bottlenose
dolphin



killer
whale



Risso's
dolphin



Atlantic
spotted
dolphin



short-finned
pilot whale



short-beaked
common
dolphin



spinner
dolphin



Irrawaddy
dolphin



dusky
dolphin



Tips:

For a shorter game, use cards only on page 1 or only on page 2.

To learn more about each species, visit <https://www.fisheries.noaa.gov/species-directory> and watch our recorded webinars!



Indo-Pacific
bottlenose
dolphin



Pacific
white-sided
dolphin



striped
dolphin



rough-toothed
dolphin



pygmy
killer
whale



Taiwanese
humpback
dolphin



Atlantic
white-sided
dolphin



Amazon
River
dolphin



melon-headed
whale



Happy Holidays!

Thank you Ranke, for DCP's annual winter festivity coloring page!

