



SANTA BARBARA
MUSEUM
of
**NATURAL
HISTORY**

SANTA BARBARA
MUSEUM *of* NATURAL HISTORY
**SEA
CENTER**

2022 ANNUAL
REPORT



LUKE'S WELCOME MESSAGE

I am delighted to share this report representing a snapshot of activities at the Museum and the Sea Center in 2022. Our institution has fully returned to life in all areas of operation. While we continue to work through lingering impacts from the COVID-19 pandemic, it's noteworthy how quickly and fully our philanthropy, attendance, membership, volunteering, and staff activities recovered.

Our resilience in 2022 was particularly meaningful in light of the 100-year anniversary of the Museum's courtyard buildings, the first on our current site. To plan for the next century, we embarked on the new Infrastructure Repairs and Master Plan (IRMP). IRMP addresses the deferred maintenance of physical structures at both campuses. The Master Plan Committee worked with the design/build team to create a series of repairs, which the Finance Committee devised a plan to fund. We anticipate the work to be ongoing until 2024, with its impact improving our facilities for many years to come.

Thank you for your support as we inspire generations of scientists and stewards.

Sincerely,

A handwritten signature in black ink that reads "Luke J. Swetland". The signature is written in a cursive, flowing style.

Luke J. Swetland
President & CEO

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President & CEO

Luke J. Swetland



\$7.8

MILLION DONATED

109,754

MUSEUM VISITORS

25

NEW LEADERSHIP
CIRCLES OF GIVING
MEMBERS

700

GENEROUS DONORS

89,511

SEA CENTER VISITORS

5,523

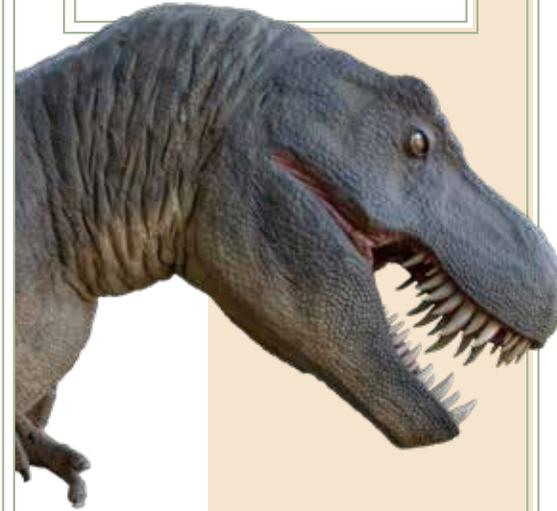
STUDENTS SERVED
THROUGH SCHOOL &
TEACHER SERVICES

115

EMPLOYEES AT
THE MUSEUM
AND SEA CENTER

BY THE NUMBERS

HERE'S A SAMPLE OF WHAT WE ACCOMPLISHED IN 2022.



6,308

SUPPORTING
MEMBERS

1,300

HOURS DONATED BY
BUTTERFLY PAVILION
VOLUNTEERS

6,791

HOURS DONATED
BY SEA CENTER
VOLUNTEERS

26.5

MILLION
YOUTUBE VIEWS

117,446

ENTOMOLOGY
SPECIMENS NOW
AVAILABLE ONLINE
VIA THE ECDYSIS
PORTAL

1,046

NATURE
EXCHANGE
TRADES IN THE
CLUB HOUSE



COLLECTIONS & RESEARCH

MAXIMUS

The Maximus Art Gallery hosted two exhibits in 2022, *Hummingbirds* and *A Parliament of Owls*. The department received two significant donations. A gift of 31 antique bird prints provided some of the owl engravings seen in the fall exhibit. This was followed by a large number of octavos from John James Audubon's *Mammals of North America*. A number of mid-nineteenth century botanical illustrations from *A Selection of Hexandrian Plants* by Pricilla Susan Bury were given to the Museum by a local patron.

LIBRARY

Librarian Terri Sheridan curated the exhibition of Edward S. Curtis's work called *Storytelling: Native People Through the Lens of Edward S. Curtis*. The exhibit opened in November in the Courtyard Gallery. Library staff contracted with author Charles Johnson to research, write and publish a history of the Museum. Notable gifts to the Library this year included William L. Dawson's work *Birds of Washington* and three watercolors painted by Caroline Hazard donated by John Kay.

ANTHROPOLOGY

In March, Curator of Anthropology John R. Johnson, Ph.D., handed off department chair responsibilities to Brian Barbier and shifted his focus to completing several publications. In April, the department finalized the transfer of ancestors and associated objects to the Santa Ynez Band of Chumash Indians under the federal NAGPRA law. Skeletal remains from a total of 1,011 individuals and over 37,000 associated funerary objects were repatriated. In August, the department's Collections Management Database, which was implemented in the mid-1990s, was upgraded after several months of redesign by Barbier and Kate Paulson. Barbier and Jonathan Malindine developed the Museum's formal repatriation policy, in collaboration with CEO Swetland and other Museum staff, which was adopted by the board in November. The department also acquired a rare Salinan basket, attributed to weaver Perfecta Encinales, and a rare, well-documented Chumash basket, originally gifted in the 1840s or 1850s by the then-elderly daughter of the Indian woman who had made it, to Marinda Hill (born c. 1828) and passed down through the Hill family.

DEPARTMENTS AT A GLANCE

VERTEBRATE ZOOLOGY

The department inventoried and packed the Earth Science Collection's gems and minerals in preparation for a collection range renovation. The old wooden cabinets were demolished and disposed of followed by new flooring and painting. The new Delta Design cabinets will arrive April of 2023 and the collections will be re-installed into the state-of-the-art cabinets, giving the range much-expanded capacity for growth.

INVERTEBRATE ZOOLOGY

Paul and Sandy Russell finalized a generous donation to the Invertebrate Zoology (IZ) Collections, including over 26,000 specimens of moths and butterflies as well significant financial support to help curate the collection.

Over 25,500 lots were cataloged in non-entomology IZ, both on site as well as by remote access from home offices. Of those, almost 17,000 lots were catalogued under the National Science Foundation-Thematic Collections Networks (NSF-TCN) grant, including 576 type lots. Overall, more than 223,000 lots are now available through the Museum's data portal as well as through iDigBio, making the Museum the most productive of the 17 institutions in the DigIn NSF-TCN.



EDUCATION DIVISION

Education at the Museum flourished, led by Jenna Hamilton-Rolle, M.S., who ramped up programming towards pre-pandemic numbers. Krissie Cook revitalized Astronomy Programs, offering packed shows in the Gladwin Planetarium and the return of Star Parties with the Santa Barbara Astronomical Unit. Ailing equipment in the planetarium and observatory was repaired and replaced, and the Museum was selected by NASA to be a James Webb Space Telescope First Image Site, allowing the Museum and its patrons early access to content, programs and expert panels related to images from JWST. Nature Adventures camps and classes cautiously returned to operation in person to refurbished classroom. The VolunTEEN and Counselors-in-

Training programs returned, and the Quasars to Sea Stars teens took a summer camping trip. Curiosity Lab activities moved to the Backyard, which gained outdoor educator Camila Leon. Thousands of schoolchildren—in person and online—enjoyed engaging, educational, Next-Generation Science Standards-aligned field trips crafted by our School & Teacher Services Department. To the delight of many community members, Science Pub returned to Dargan's Irish Pub & Restaurant, closing the pandemic chapter of the program's history that left a digital archive of 20 Zoom talks on the Museum's YouTube channel.



SEA CENTER

The Sea Center reopened in March with its new second floor exhibit, Dive In, which interprets the habitats of the Santa Barbara Channel. New animals introduced to the Sea Center this year include Thornback Ray, Cabezon, Spot Prawn, Splitnose Rockfish, Speckled Sanddab, Onespot Fringehead, Bay Pipefish, Shiner Surfperch, Black Surfperch, and Kelp Surfperch. School and Teacher Services Coordinator Rachel Metz spent the summer creating six new school program offerings for grades K-12. After two years of not having school groups due to the pandemic, it was refreshing to have kids back at the Sea Center. Group visits resumed in October and over the three months of operation saw 324 students, of which 34% were Museum Access Fund recipients.

EXHIBITS

The Exhibits Department and Dibblee Curator of Earth Science Jonathan Hoffman, Ph.D. created a visually stunning exhibit, *Rare Earth*. This gem and mineral exhibit featured an impressive selection of dazzling specimens on loan from collector Rob Lavinsky, UCSB's Woodhouse Collection, and the Museum's own Earth Science Collections. The exhibit was open June 11–Sept 11 in Fleischmann Auditorium, with security and cameras day and night. Then dedicated rock shop run by the Museum Store grossed over \$100,000 in sales. Simultaneously the exhibit team assisted with *Butterflies Alive!* which featured Costa Rican species for the first time.



7%

Contracts & Generated Revenue
\$569,000

2022 OPERATING REVENUE

TOTAL \$8,017,000

31%
Lectures,
Field Trips
& Camps
\$178,000

32%
Facility &
Property
Rentals
\$183,000

34%
Contracts
& Fees
\$194,000

3%
Other
\$14,000

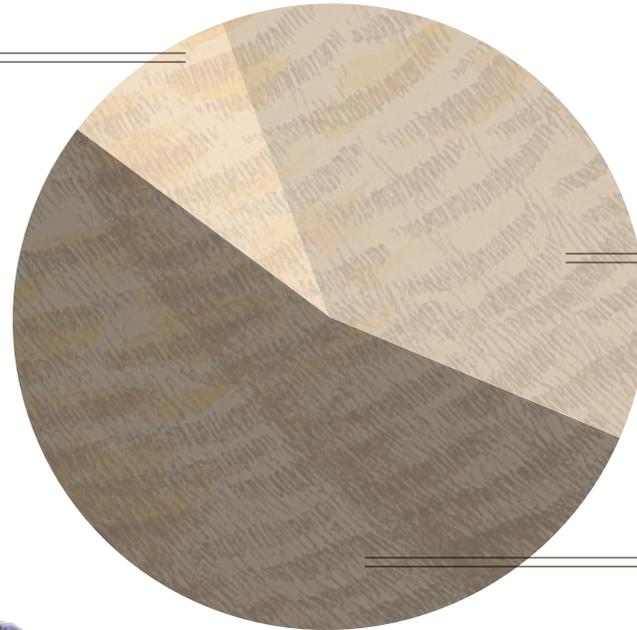
36%

Admissions, Stores Sales, Membership
\$2,846,000

51%
Admissions
\$1,467,000

26%
Stores
\$726,000

23%
Membership
\$653,000



57%

Philanthropy
\$4,602,000

31%
Contributions
& Grants
\$1,431,000

12%
Special Events
\$567,000

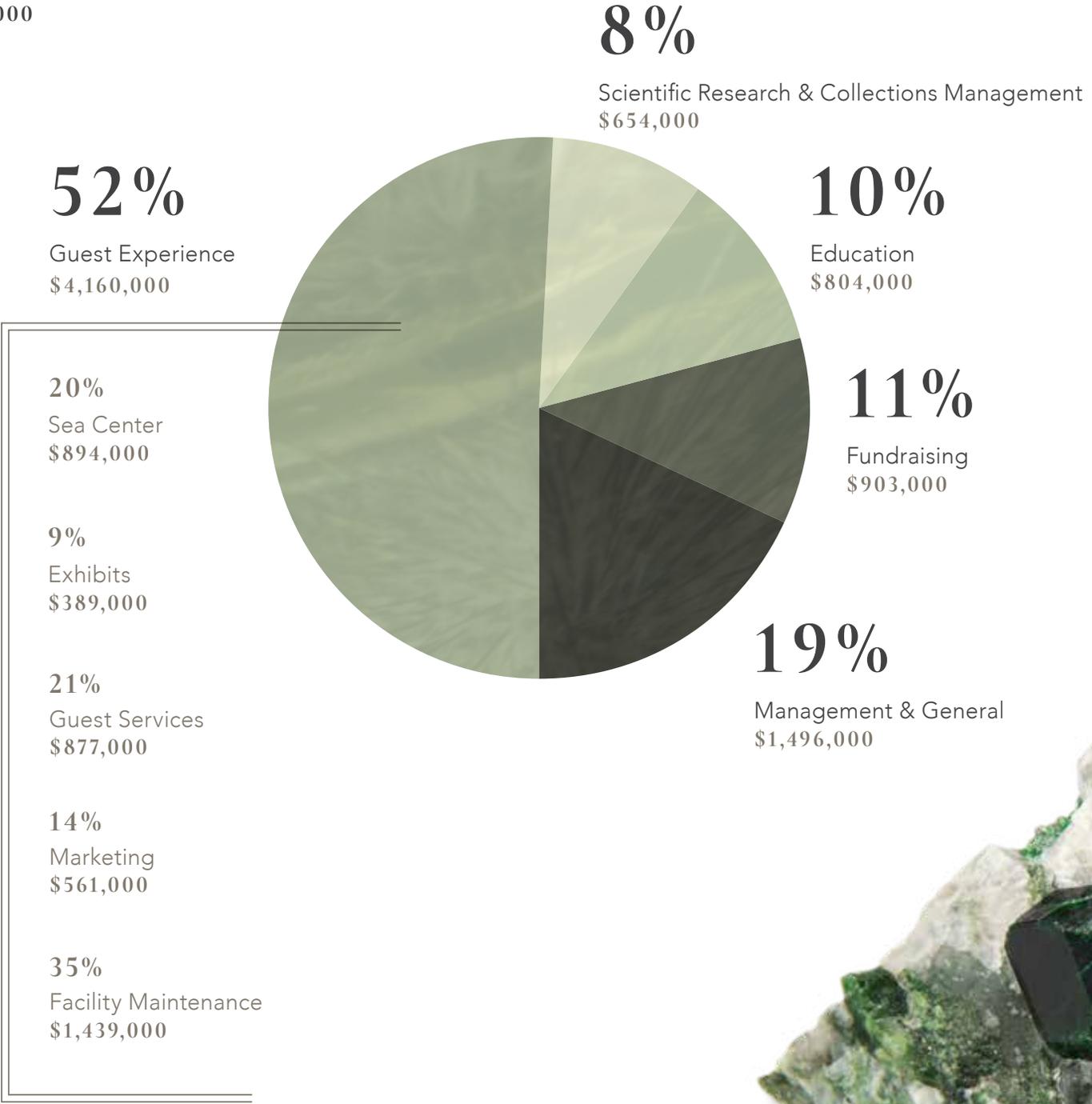
57%
Quasi-Endowment
& Trust Income
\$2,604,000



FINANCIALS

2022 OPERATING EXPENSES

TOTAL \$8,017,000



ENDOWMENTS & FUNDS

With your generous support, the Santa Barbara Museum of Natural History is inspiring a thirst for discovery and a passion for the natural world.

BUILDING AN ENDURING LEGACY

The Museum has several named endowments and funds that support particular programs and initiatives. Many of these endowments were established through bequests.

DR. CRISTEL BEJENKE FUND

This fund was created by Christel and George Wittenstein to provide an annual income stream to support the Museum's public programming efforts focused on science and nature.
Value as of 12/31/22 \$97,306

THOMAS WILSON DIBBLEE ENDOWMENT FOR EARTH SCIENCES

In 2001, the Museum partnered with Mr. Dibblee to publish his extraordinary geological maps, and he designated his estate for the support of the map publishing effort and to establish an Earth sciences position.
Value as of 12/31/22 \$2,165,881

ROBERT DOUGAN FUND FOR INNOVATIVE EDUCATION

Mr. Dougan was a librarian, bibliophile, and scholar of Ireland's greatest literary treasure, the Book of Kells. Feeling deeply about the importance of education and scholarship, he provided in his estate an endowment fund to support innovative educational programs.
Value as of 12/31/22 \$ 956,903

HEARST SCHOLARS IN MUSEUM STUDIES FUND

Endowed in 2002 with a grant from the William Randolph Hearst Foundation, this fund provides resources for college and university students to intern in various positions at the Museum.
Value as of 12/31/22 \$159,403

HOLLIS NORRIS ENDOWED FUND

Established in 2016 to provide general operating support, this endowed fund is held at the Santa Barbara Foundation.
Value of Hollis Norris Endowment Fund held at the Santa Barbara Foundation \$4,235,014

QUASARS TO SEA STARS ENDOWMENT

With a generous donation from the Hollis Norris Fund and David and Lyn Anderson, the Museum created the Quasars to Sea Stars Endowment in December 2020 to provide support for the Museum's valuable teen program.
Value as of 12/31/22 \$909,805

HOWARD/BERRY CHAIR OF MALACOLOGY

The prominence of the Museum's vast shell collection and its scientific research staff is in part based on the support of two eminent shell collectors, Faye B. Howard and Dr. S. Stillman Berry. Both these individuals left as bequests, not only their superb private collections, but also the funds to support the expansion of our Collections and Research Center and to endow this curatorial chair.
Value as of 12/31/22 \$1,302,074

THOMAS E. HUGUNIN AND ELENORE H. HUGUNIN ENDOWMENT

Established with a bequest in 2010, the Hugunin Endowment provides general operating support and is held at the Santa Barbara Foundation.
Value of Hugunin Endowment Fund held at the Santa Barbara Foundation \$723,045

JOHN AND PEGGY MAXIMUS ENDOWMENT FOR ANTIQUÉ NATURAL HISTORY ART

John and Peggy funded the creation of a gallery dedicated to antique natural history art and provided for its continued support. A fund is held by the Museum and a second fund is held at the Santa Barbara Foundation.
Value as of 12/31/22 \$1,882,796
Value of Maximus Trust held at the Santa Barbara Foundation \$2,476,891

RIDDER SEA CENTER FUND

Established in 2017 with a bequest from Virginia Ridder, this fund supports exhibits and maintenance at the Sea Center.

Value as of 12/31/22 \$353,454

SCHLINGER FOUNDATION CHAIR OF ENTOMOLOGY

Evert Schlinger, Ph.D., was a world-renowned entomologist and a professor of biology. Believing ardently in the importance of museums for both research and education, Dr. Schlinger endowed the Schlinger Chair of Entomology in 2004.

Value as of 12/31/22 \$1,889,177

VERTRESS L. VANDER HOOF ENDOWMENT

Established in 2018 through an estate gift from Jill Vander Hoof in honor of her father, Vertress Vander Hoof, this endowment supports the Museum Library's operations and acquisitions.

Value as of 12/31/22 \$1,837,500

LIONEL ALBERT WALFORD FUND

Dr. Walford was a research scientist in the field of ichthyology who participated in research trips aboard Museum Trustee Max Fleischmann's boat in the 1930s. The fund was established in 2021 by Dr. Walford's daughter Sarah and her husband Lincoln Hollister to provide operating support for the collection, care, and feeding of the sea life in the Sea Center's Channel Catch Habitat.

Value as of 12/31/22 \$92,343

Total value of Museum's invested assets as of 12/31/22 \$41,058,327

Total value of Museum's invested assets held at the Santa Barbara Foundation as of 12/31/22 \$7,434,950

Donations can be made to support any existing fund or endowment. To discuss creating or donating to a named endowment or fund, contact Museum President & CEO Luke J. Swetland at 805-682-4711 ext. 101.





STAFF PUBLICATIONS

In addition to facilitating access for other researchers, our staff are advancing scientific knowledge with their own publications and research.

Chenyang Cai, Erik Tihelka, Mattia Giacomelli, John F. Lawrence, Adam Ślipiński, Robin Kundrata, Shûhei Yamamoto, Margaret K. Thayer, Alfred F. Newton, Richard A. B. Leschen, **Matthew L. Gimmel**, Liang Lü, Michael S. Engel, Patrice Bouchard, Diying Huang, Davide Pisani and Philip C. J. Donoghue. 2022. Integrated phylogenomics and fossil data illuminate the evolution of beetles. *Royal Society Open Science* 9: 211771.

Geiger, D.L. 2022. Anton August Heinrich Lichtenstein's (1794) *Catalogus Rerum Naturalium Rarissimarum, pars secunda*. Facsimile edition and annotated translation. *Zootaxa Monograph* 5127, 1–126.

Gimmel, M.L. & R.A.B. Leschen. 2022. Revision of the genera of Picrotini (Coleoptera: Cryptophagidae: Cryptophaginae). *Acta Entomologica Musei Nationalis Pragae* 62(1): 61–109.

Gimmel, M.L. & A.J. Mayor. 2022. Synonymic and nomenclatural notes in the Mauroniscidae and Rhadalidae (Coleoptera: Cleroidea). *The Coleopterists Bulletin* 76(3): 419-422.

Gimmel, M.L. & A.J. Mayor. 2022. Revision of *Microasydates*, new Nearctic genus of soft-winged flower beetles (Coleoptera: Melyridae: Dasytinae: Listrini). *The Coleopterists Bulletin* 76(4): 537-568.

Johnson, John R. 2022. Review: A Coalition of Lineages: The Fernandeño Tataviam Band of Mission Indians, by Duane Champagne and Carole Goldberg. *Journal of California and Great Basin Anthropology* 42(2):232-234.

Johnson, John R. 2022. The Chumash Community at Saticoy. Report prepared for Macko Archaeology, Irvine, CA, 54 pp, September 2022.

Knight, Albert. 2022. Three Native American Sacred Sites in the West San Fernando Valley. *Journal of California and Great Basin Anthropology* 42(2):215-223.

Lindsay, S., et al., including **D.L. Geiger**. Flora of Singapore: Checklist and Bibliography. *Gardens' Bulletin Singapore* 74 (suppl. 1): 3–860.

Sutton, Mark Q., and **Albert Knight**. 2022. The Archaeology of CA-KER-4198 (Cave X), Tomo-Kahni State Historic Park, California. *Journal of California and Great Basin Anthropology* 42(1):71-84.

Thacker, C.E., Geiger, D.L., Unmack, P.J., 2022. Species delineation and systematics of a hemiclinal hybrid complex in Australian freshwaters (Gobiiformes: Gobioidae: Eleotridae: *Hypseleotris*). *Royal Society Open Science* 9 (22021): 1–19.

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COO
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Tyler Leivo,
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Curator of Anthropology
Jonathan Malindine,
M.A. NAGPRA technician

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Sean Fox,
Astronomy Programs Presenter

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Charles Thrift,
Teen Programs Manager

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Coordinator

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Betsy Mooney, CJ Oliverson,
Helen Stoll, Karim Cortez,
Patrick Turner, Kirk Martin





THANK YOU

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