

ANNUAL REPORT 2007-2008

SEEK TEACH  
COMMUNICATE  
BENEFIT



SCRIPPS INSTITUTION OF  
OCEANOGRAPHY

UNIVERSITY OF CALIFORNIA, SAN DIEGO

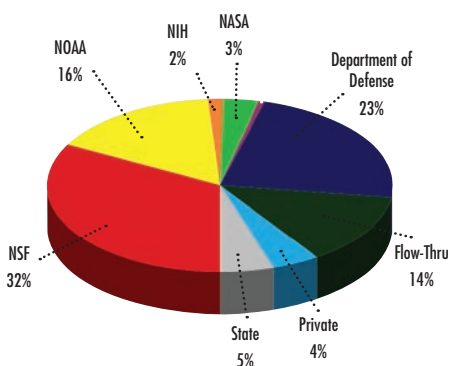
# MESSAGE FROM THE DIRECTOR



## THE SCRIPPS MISSION:

To seek, teach, and communicate scientific understanding of the oceans, atmosphere, and Earth for the benefit of society and the environment.

## AWARDS BY SPONSOR FY 07/08



**SCRIPPS INSTITUTION OF OCEANOGRAPHY AT UC SAN DIEGO** continues to lead the search for scientific answers that will shape the future of our planet. This remains evident in the breadth of important research being conducted locally, nationally, and around the world by Scripps scientists and by the institution's ongoing commitment to train the next generation of ocean and earth science leaders.

In spite of continuing massive state and University of California budget challenges, Scripps research is growing, and gaining ever-increasing recognition among colleagues and by the public at large. Our climate change graduate program had its largest entering class ever.

This fiscal year, Scripps saw an increase of \$7.4 million in awards over last year. Our total of \$125,760,358 in contract and grant awards is the second highest amount received in Scripps' history.

I am also pleased to report that we achieved our most successful fund-raising year yet (under new UC accounting rules), securing more than \$11.2 million in gifts and grants from individuals, companies, and foundations. This achievement is a testament to the faith and commitment of our friends in the community upon whose support we will be increasingly forced to rely.

This year, Scripps scientists made research breakthroughs of regional importance, including groundbreaking studies from Lake Mead to algae. We broadened our national influence through initiatives such as co-sponsoring a two-day executive education course, which brought nearly 50 business executives from around the nation to discuss climate's impact on the business community. Globally, we spearheaded scientific observations of international significance through projects such as air quality observations in Beijing before, during, and after the 2008 summer Olympics.

This summer, our record of world-renowned discoveries carried the institution to Hollywood, when Scripps Oceanography was featured as an entire category of answers and questions on the popular TV game show "Jeopardy!"

Another most welcome breakthrough came in November when Scripps was awarded \$12 million by the U.S. Department of Commerce / National Institute of Standards and Technology to construct a new laboratory building on the Scripps campus for research on marine ecosystem sensing, observations, and modeling. This purpose-built facility will house new and existing science groups.

The message is clear: Scripps scientists continue to remain at the top of their fields. Our talented pool of bright and eager minds is continually deepening society's understanding of nature, leading the way toward finding solutions for today's greatest scientific challenges.

Thank you for your interest in Scripps, and for your support as we continue to expand the local impact, national influence, and global reach of Scripps Oceanography's world-renowned research discoveries, student training, and public service.



Tony Haymet  
Director  
Scripps Institution of Oceanography  
University of California, San Diego

# SCRIPPS RESEARCH

## Air-Sea Interactions

Robotic aircraft and drifters, research ships, and computer models are used to measure the exchange of energy and matter among the atmosphere, clouds, and oceans.

## Climate Change

Historical climate records and evidence found in samples from such diverse areas as glacial ice packs and tropical coral reefs are critical to interpreting long-range global climate changes, creating forecast tools that guide public policy and business solutions.

## Coastal Processes

Conducting coastal surveys and designing new technologies are among the approaches used to conserve seashore habitats, manage beach erosion, and forecast coastal conditions. Scripps researchers pioneered coastal monitoring research. Today, monitoring efforts include new methods of tracking sand movement to better understand the beach of the future.

## Earthquakes

Developing new methods to improve our understanding of the causes, strength, and locations of earthquakes by exploring the mechanics of the earth with local, regional, and global real-time seismic monitoring networks.

## Geology

Observational, experimental, and theoretical methods of the physical, chemical, and geobiological processes of Earth are used to understand the processes that alter Earth's crust and to determine the long-term history of the oceans and atmosphere.

## Geophysics

Pioneering work to develop new instrumentation and analysis techniques in seafloor mapping, geological sampling, and remote sensing are yielding a better understanding of the processes involved in mid-ocean ridges, volcanism, and the formation of minerals.

## Marine Biodiversity and Conservation

The diversity, distribution, and protection of marine life in the world's oceans are studied through field and lab research and the use of historical data and museum specimens. Scripps scientists are researching marine ecosystems around the world to better understand and conserve their



## RESEARCH ACTIVITIES

SCRIPPS OCEANOGRAPHY  
IS A WORLD LEADER  
IN EARTH AND OCEAN  
SCIENCES, FROM THE STUDY  
OF THREATS TO OUR  
OCEANS SUCH AS CLIMATE  
CHANGE, POLLUTION, AND  
OCEAN ACIDIFICATION,  
TO DISCOVERIES ABOUT  
EARTHQUAKES, FISHERIES,  
AEROSOLS, DRUGS FROM  
THE SEA, AND ALTERNATIVE  
ENERGY SOURCES.

inhabitants today and preserve them for future generations.

## Marine Biology

The molecular, biochemical, and ecological characteristics of marine bacteria, plants, and animals are examined from the shore to the deep sea. Research spans from whales and sharks to tiny microbes that are vital in the ocean environment and its dynamics.

## Marine Chemistry

Investigations range from analyzing acidification and other human impacts on the oceans to finding medicines from the sea.

## Marine Ecosystems

Scripps scientists have a long history of research on marine ecosystems and modeling their response to climate and environmental change. For more than half a century, Scripps has been home to the California Cooperative Oceanic Fisheries Investigations, one of the most enduring marine monitoring programs in the world. New studies are integrating the development of physical, biological, and chemical sensors in the California Current Ecosystem (CCE) and making forecasts of that environment based on physical and biological numerical models.

## Marine Genomics

Genetic analysis of marine life is increasing our understanding of how organisms have evolved and the roles they play in ecosystems, helping scientists analyze the health of the oceans. Genomics also plays a significant role in the exploration of the oceans for novel and diverse resources to help cure human disease. As the number of new sources for terrestrial biomedicines dwindle, the oceans represent a vast, largely untapped resource.

## Ocean Engineering

The development of new technologies and instrumentation for underwater research, including laser-based and sound-imaging devices, is greatly extending capabilities to work and gather data in the oceans and on the seafloor.

## Physical Oceanography

Measurements of currents and ocean mixing from the sea surface to great depths are giving a clearer account of the cycling nutrients, chemicals, and heat in the oceans, factors that affect many global environmental systems.

# FUNDING

## SUPPORTING SCRIPPS: THE YEAR IN PRIVATE FUNDRAISING

**P**RIVATE SUPPORT IS INCREASINGLY CRITICAL in Scripps Oceanography's efforts to meet many of the scientific challenges of our time.

In 2007-08, Scripps made major headway, achieving its greatest success yet in securing private funding. Thanks to the generosity of our supporters, Scripps raised \$11.2 million in gifts and grants for institutional priorities. This represents a 6 percent increase in cash-based support over the previous year.

Last year Scripps reached more individuals than ever through expanded outreach. By year-end, more than 7,300 individuals, foundations, and companies reaffirmed or joined Scripps' growing family of friends and donors. We are fortunate to have a dedicated network of supporters committed to furthering the Scripps mission through participation in volunteer support groups and task forces.

Thanks to contributions from so many, we have made important advances in each of Scripps' top initiatives for private funding:

- Attracting the best and brightest minds to lead the world in ocean, climate, and earth sciences.
- Pursuing the scientific knowledge and discoveries needed to address the most significant environmental challenges.
- Going beyond the science to educate policy-makers, business leaders, and citizens about the discoveries made at Scripps, so informed decisions can be made in shaping the planet's environmental destiny.

### Private Support in Fiscal Year 2007-2008

Birch Aquarium at Scripps:	\$1,957,602
Endowed Chairs:	\$796,572
Fellowships/Student Support:	\$943,740
Other:	\$148,531
Research:	\$3,728,695
Robert Paine Scripps Forum for Science, Society, and the Environment:	\$2,389,141
Unrestricted:	\$1,240,163

**TOTAL:** \$11,204,444

Above amounts reflect booked gifts, grants, and pledge payments.

### Scripps Oceanography Endowment

(market value as of June 30, 2008)

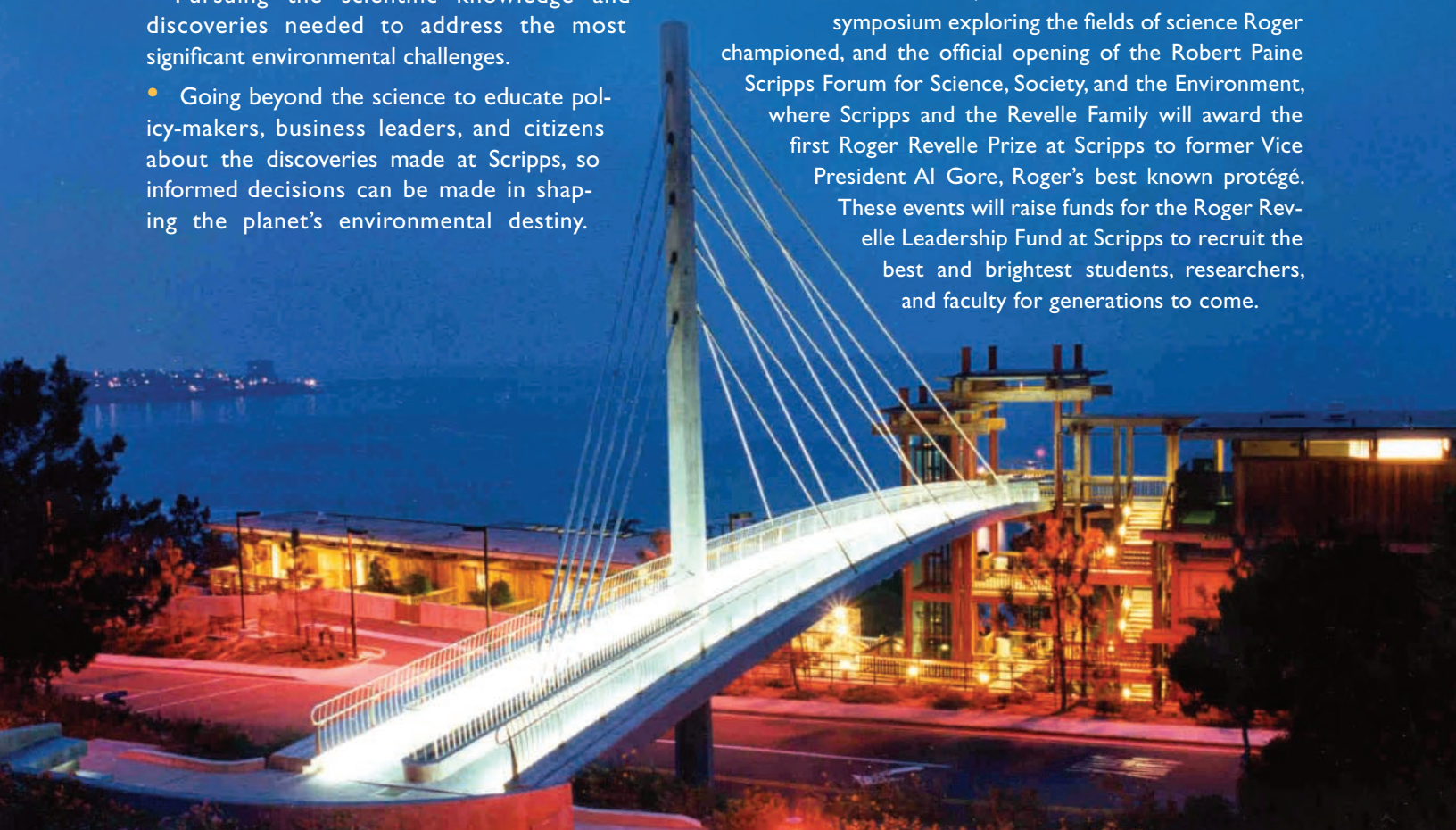
UC San Diego Foundation Endowments:	\$14,703,751
UC Regents Endowments:	\$45,395,059

**TOTAL Endowments** \$60,098,810



### Roger Revelle's 100<sup>th</sup> Birthday

Scripps will mark the 100<sup>th</sup> birthday of Roger Revelle, the late legendary statesman of science, with a series of events held March 5-7, 2009. The celebration includes a symposium exploring the fields of science Roger championed, and the official opening of the Robert Paine Scripps Forum for Science, Society, and the Environment, where Scripps and the Revelle Family will award the first Roger Revelle Prize at Scripps to former Vice President Al Gore, Roger's best known protégé. These events will raise funds for the Roger Revelle Leadership Fund at Scripps to recruit the best and brightest students, researchers, and faculty for generations to come.





*This year more than 400,000 visitors experienced Feeling the Heat: The Climate Challenge at Birch Aquarium at Scripps and learned about solutions for fighting global warming.*

## Donor Highlights: Philanthropy at Work

Scripps received several extraordinary gifts in support of our top initiatives this year. Research was a particularly strong beneficiary: An anonymous donor provided \$1 million for marine biology research. The G. Unger Vetlesen Foundation continued its long-term support for global change research with a grant of \$700,000, and the Gordon and Betty Moore Foundation provided a grant of \$660,446 to fund equipment for studying the California Current ecosystem.

Also notable was the near-completion of the Robert Paine Scripps Forum for Science, Society, and the Environment (Scripps Seaside Forum). This state-of-the-art teaching and conference center, just steps from the Scripps Pier, is the largest privately funded project in Scripps history. Relatives of the facility's namesake generously provided the majority of support.

There were several large planned gifts for unrestricted support, including two gifts from Walter Munk totaling \$500,000, a gift of nearly \$250,000 from David DeLaCour, and a bequest from Maurice and Charmaine Kaplan of more than \$250,000. Other notable gifts included \$500,000 from the Alan G. and Jane A. Lehman Foundation, at the recommendation of Ellen Lehman and Charles Kennel, to support construction of the Scripps Seaside Forum. Scripps is also grateful to Mac and Leslie McQuown, who donated \$200,000 to fund the startup of a new corporate-relations program for Scripps that will benefit our research and create new income streams for the institution.

Birch Aquarium at Scripps had its own record year for private support, thanks largely to a successful \$750,000 challenge from the Conrad N. Hilton

## Postdocs on the Rise

Fulfilling a commitment to strengthen its academic ranks, Scripps has dedicated institutional and philanthropic funding for the recruitment of new postdoctoral scholars. In launching the Scripps Postdoctoral Scholar Program last year, Scripps put the spotlight on postdocs as a valuable asset to its research enterprise. This fall, Scripps welcomed three new postdoctoral scholars: marine biologist Nichole Price, earth scientist Sasha Peter Carter, and atmospheric scientist ChuanLi Jiang. Last year, Scripps filled four postdoctoral positions from a pool of more than 100 applicants. Scripps was recently ranked 11<sup>th</sup> best in North America and fourth best on the West Coast in the "Best Places to Work for Postdocs" survey published by *The Scientist* magazine.



Foundation for the award-winning *Feeling the Heat: The Climate Challenge* exhibit.

We are deeply grateful to each person and organization that made a direct investment in our efforts. Yours is an investment not only in Scripps, but in our collective future as well.

## ROBERT PAINE SCRIPPS FORUM FOR SCIENCE, SOCIETY, AND THE ENVIRONMENT OPENS MARCH 2009



*The new state-of-the-art Robert Paine Scripps Forum for Science, Society, and the Environment will make Scripps the epicenter for bringing together the brightest minds to tackle some of the greatest scientific challenges we face today.*

# FINANCIAL SUPPORT

From July 1, 2007 to June 30, 2008

## FEDERAL, STATE, AND CITY/COUNTY AGENCIES

### FEDERAL

#### Commerce, Department of

National Oceanographic and Atmospheric Administration

#### Defense, Department of

Army Space and Missile Defense Command  
Air Force Office of Scientific Research  
Air Force Research Laboratory  
Miscellaneous Air Force Bases and Agencies

#### Energy, Department of

Department of Energy; Washington, DC  
Department of Energy; Miscellaneous Programs and Offices

#### Health and Human Services, Department of

National Cancer Institute  
National Institute of Allergy and Infectious Diseases  
National Institute of General Medical Sciences  
National Institute of Neurological Disorders and Stroke

#### Navy, Department of

Office of Naval Research  
Space and Naval Warfare Systems Command  
Naval Research Laboratory  
Miscellaneous Bases and Agencies

#### National Aeronautics and Space Administration

Goddard Space Flight Center  
Shared Services Center

#### National Science Foundation

#### Other Federal

USDI Geological Survey  
USDA Pacific Southwest Forest and Range Experiment Station

### CALIFORNIA, STATE OF

Boating and Waterways, Department of  
CA Coastal Conservancy  
Energy Resources, Conservation Development Commission  
Department of Fish and Game  
Department of Water Resources  
Miscellaneous Agencies

### CITIES AND COUNTIES

City of San Diego  
County of San Diego

### PRIVATE SUPPORT

#### \$1,000,000 +

Anonymous +  
BP Group ❖  
The International Seakeepers Society ❖  
SHS Foundation +

#### \$500,000-\$999,999

Conrad N. Hilton Foundation + ❖  
Alan G. and Jane A. Lehman Foundation,  
at the recommendation of Ellen Lehman and  
Charles Kennel + ≈ Δ  
The Gordon and Betty Moore Foundation + ❖  
Walter Munk + ≈  
Revelle Family + ≈ Δ #  
The G. Unger Vetlesen Foundation +

#### \$250,000-\$499,000

Kaplan Family Trust +  
Leslie and John A. McQuown + ≈

#### \$100,000-\$249,000

The Comer Science and Education Foundation + ❖  
Christian-Albrechts-University of Kiel ❖  
David DeLaCour + ≈  
The Henry L. and Grace Doherty Charitable Foundation, Inc. +  
The Cecil H. and Ida M. Green Foundation for Earth Sciences +  
Devendra Lal +  
Miocean Foundation +  
Cynthia and George P. Mitchell +  
Gordon and Betty Moore +  
Caroline and Nicolas C. Nierenberg +  
Morgan Dene and Elizabeth Hammon Oliver + ≈  
The David and Lucile Packard Foundation + ❖  
Cindy Scripps + ≈  
Christy and Edward W. Scripps + ≈  
Spiess Family +  
Joseph S. and Diane H. Steinberg Charitable Trust +  
Patricia and Bill Todd +  
Irving Tragen +  
Ellis Wyer +

#### \$50,000-\$99,999

ARCS Foundation Inc. - Los Angeles Chapter +  
Stephen and Mary Birch Foundation +  
Cinveste-SGPS, S. A./Luis da Silva ≈  
ConocoPhillips Company ❖  
Joan Eichen +  
Patricia and Richard M. Elkus + ≈  
Glenn H. Evans and Ruth E. Evans Charitable Trust  
Extrameasures +  
Grosvenor Family Foundation +  
Houts Trust - Ted J. Nicothodes, Successor Trustee +  
Daphne and James D. Jameson + ≈  
Lanna Cheng and Ralph Lewin + ≈  
Life Sciences Research Foundation +  
Dorothy and Edward J. McCrink  
National Geographic Society + ❖  
Robert P. Scripps II +  
Kathy and William H. Scripps + ≈ Δ  
Sempra Energy  
Society for Conservation and Biology ❖  
Statoil R&D Centre ❖  
Tinker Foundation + ❖  
Union Bank of California Foundation

#### \$10,000-\$49,999

Acery US Inc.  
AIS Electronics  
Aker Group (Norway) ❖  
The Alexander Foundation  
Anonymous (2)  
Arnold Orange Associates Geophysics Incorporated ❖  
AT&T Foundation +  
Rita and Richard Atkinson ≈  
Linda Robinson and David Ault #  
Patricia and David Barron  
The BAWD Foundation +  
Joseph Becker  
Carl A. Bergard  
Karen and Wolfgang Berger + ≈ Δ #  
Beyster Family Foundation Δ  
Robert D. Blevins  
Robert A. Buzzelli +  
Anna Marie and James L. Cairns +  
Keith Campbell Foundation for the Environment  
Nadine S. and Edward Carson ≈  
Charles H. Stout Foundation +  
Clean Air Task Force  
Shelia Marie Davis +  
Linnea B. and Paul K. Dayton ≈  
Det Norske Oljeselskap ASA ❖  
Dow Agrosiences  
Eloise and Russell E. Duff + ≈  
Electromagnetic Geoservices SA, Seabeau  
Logging Company ❖  
Cindy and Craig Emmerson ≈  
Susan and Sheldon Engelhorn +  
Victoria Scripps Evans  
Ursula and David Fairchild  
The Fairweather Foundation +  
Sidney E. Frank Foundation  
Arthur L. and Joan A. Funk Foundation  
MaeAnn Garty ≈  
Bill Gibbs ≈  
Geophysical Resources and Services PTY Ltd. ❖  
Geothermal Energy Research and  
Development Company, Ltd. ❖  
Elaine and George Haligowski + ≈ Δ  
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Zandra Rhodes and Salah M. Hassanein ≈  
Hess Corporation ❖  
Cinda and Thomas O. Hicks ≈  
Jed Hirota  
Linda and Nicholas Holland +  
Imperial Capital Bancorp, Inc. +  
Instituto Universitario de Xeoloxia Isidro Parga Pondal  
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Barbara M. Katz + ≈ Δ  
Linda and Anthony Kinninger  
KMS Technologies ❖  
The Korein Foundation  
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The Adelaide and Charles Link Foundation  
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Kris and James L. McMillan ≈  
Moore Family Foundation +  
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Napa Valley Vintners  
Nautilus Minerals, Inc. ❖  
Nokia Mobile Phones, Inc. Δ  
Oceanites Inc.  
OHM, Ltd. ❖  
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PADI Worldwide  
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Phoenix Geophysics Limited ❖  
Price-Galinsky Fund  
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Quasar Federal Systems ❖  
Reliance Industries, Ltd. ❖  
Repsol YPF, S.A. ❖  
Marty and Russ Ries  
Lynne and Howard Robbins + ≈ Δ  
Charlie Robins + ≈ #  
Nancy and William Schneider ≈ Δ  
Ellen Browning Scripps Foundation +  
Darleen and Pete Scripps  
San Diego Gas and Electric +  
Shell Development Company ❖  
Louis A. Simpson and Kimberly Querrey +  
Diane and Charles J. Smith +  
Joan Irvine Smith and Athalie R. Clarke Foundation +  
Susan and John A. Sobrato  
The Edna Bailey Sussman Fund  
Diane Saikhon Szekely ≈  
Theis, S.P.A. ❖  
Veritas DGC. ❖  
Walton Family Foundation Inc.  
Christy Walton ≈  
WesternGeco ❖  
Chester G. White, Jr. ≈

#### \$5,000-\$9,999

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The Boeing Company  
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Paula and Joseph Boudreau ≈ Δ  
Guadalupe and Enrique R. Bours  
Constance Mullin Branscomb and Lewis M. Branscomb  
Joyce and Paul Brooks ≈ Δ  
Julia Brown ≈  
Brummitt Energy Associates, Inc.  
Beth Brummitt and Bob Mellott  
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Geoffrey S. Cook  
Bari Bradner Cornet  
Marian and Kim Crosser ≈ # Δ  
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Tom Dixon + ≈  
M. Hany W. Elwany  
Fideicomiso de Conservacion de Puerto Rico

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 Fox Fund at Union Bank of California +  
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 GSM  
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 Faye and James D. Kitchel ≈ #  
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 Christopher McKellar and Lorna Alksne McKellar ≈  
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 Annette and John Peck  
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 Pro Peninsula  
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 Jeanne B. Sleeper + ≈ Δ #  
 Allen Stofor  
 Gaby and Rich Sulpizio ≈  
 Allie E. Tegner  
 Victoria and J.V. Ward  
 Katherine and Keene Wolcott  
 Bob Yari

**\$2,500-\$4,999**

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 Jui-Yuan Chang and Shioh-Hwa Lin  
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 Beverly and Richard Fink ≈  
 Theodore D. Foster + Δ  
 GenCorp Foundation  
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 Rosemarie and Dr. Jeffrey B. Graham Δ  
 Corina Scripps Granado  
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 Ruth and Ronald Leonardi ≈  
 Chana and Frank Mannen ≈  
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 Michael Nemiroff  
 Dorothy and William Normark  
 Carol and Russell Penniman +  
 Donna and Daniel Peterson ≈  
 Alan Pitcairn Family Fund Δ  
 Luciana Price  
 Nancy J. Robertson and Mark Cookingham ≈  
 Virginia and Keith Scripps

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 Dr. Paul and Anita Strauss  
 Mark B. Wallner Foundation  
 Jacqueline M. Tyler and Edward Winterer  
 World Wide Small Change Foundation  
 Sybil and Herbert F. York ≈

**\$1,000-\$2,499**

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 Martha Fay Africa  
 Mark A. Akins #  
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 Farooq Azam  
 Nonnie and John Barbey ≈  
 Joan Beber  
 Judy and Roger Benson ≈  
 Amanda and Lewis Berman  
 John A. Beroi ≈  
 Londa Kay and Blaine Beyer  
 Mary Ann Beyster ≈  
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 Marilyn and Chuck Bohle ≈  
 Nancy Saikhon-Borelli and Fred Borrelli ≈  
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 Elaine and Warren Breslow Δ  
 Arthur Brody ≈  
 Terri Brookhart #  
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 ChevronTexaco  
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 Carey and James V. Gimino ≈  
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 Mary Coakley ≈  
 Kim D. Conner ≈  
 MaryRuth and Charles Cox Δ  
 Dianne and Edward Cramer  
 Nona Crampton #  
 Megan Bailiff and W. Quinn Curtis ≈ #  
 Theodora Davis ≈  
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 Carol and Martin Dickinson + ≈  
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 Inez and LeRoy Dorman  
 Joni Duke and Paul Chouinard ≈  
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 Victor and Louise Engleman ≈  
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 Renita Greenberg and Jim Allison ≈  
 Karlene and Walter C. Gutfahr + #  
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 Florence and Bill Hawkins ≈  
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 Deni and Jeffrey A. Jacobs ≈  
 Miriam E. and Jerome S. Katzin ≈  
 George M. Keller ≈  
 Julie and Kern Kenyon ≈  
 Robert Kieckhefer  
 Karen and Matthew Kirby  
 Sasi and Ara Klijian ≈  
 Steven Knappenberger ≈  
 Margaret D. Knight Δ  
 Linda and Bill Kolb ≈  
 Sharon and Joel Labovitz ≈ Δ  
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 Gloria G. McCaffrey ≈  
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 Steve McCracken and Susan Lee Waggener ≈  
 Dr. Gay S. McDonald  
 Crystal Dawn Scripps McKellar  
 Elizabeth de Bevec and Adrian deP. McKibbin ≈  
 Meacham Foundation ≈  
 MH Systems, Inc.  
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 Kenneth B. Miller  
 Dr. Howard and Barbara Milstein ≈  
 Harle G. Montgomery ≈  
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 Edward J. G. Mracek ≈  
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 Cheryl and Thomas Munnecke ≈  
 Arlene and Louis K. Navias ≈  
 Lucy A. Neale ≈  
 Jeffrey Neuman  
 Lynn and William Newman  
 Barbara and John Northrop  
 Kellie Evans-O'Connor and Daniel T. O'Connor  
 Gustav A. Paffenhofer  
 Kristin Bertell and Scott Patridge

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 Kelly and Rick Perfect ≈  
 Peggy and Peter Preuss ≈  
 Gwendolyn L. Price  
 Allison and Robert E. Price ≈  
 Haruko Hayashi Quirk #  
 Helen M. Ranney ≈  
 James A. Raymond Δ  
 Jacob C. Reinbolt ≈  
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 Tricia and James B. Riha ≈  
 Lillian and Donald Ritt Δ  
 Sandy and Norman Brooks ≈  
 Alison Fleming and Brock Rosenthal  
 Amparo and Leo Rotter  
 Becky and John Royal ≈  
 Dora Saikhon ≈  
 San Diego Harbor Excursion ≈  
 Mary M. Schaeffer  
 Kurt Schmitt ≈  
 Phyllis and Richard A. Schwartzlose Δ  
 Adam R. Scripps  
 The San Diego Foundation - Dr. Seuss Fund  
 Wilson Sexton Foundation ≈  
 Jean Johnson-Sexton and Wilson B. Sexton ≈  
 Elizabeth N. Shapiro ≈ Δ  
 Carolyn S. and Richard C. Shell ≈  
 Alexander Shor  
 Betty N. and George G. Shor, Jr. Δ  
 Cecilia and Philip M. Shou  
 Catherine and Stephen Shultz ≈  
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 Linda F. and Melvin I. Simon ≈  
 Edith and Kenneth I. Smargon ≈ #  
 Kerri and Drew Smith ≈  
 Alice and Richard Snell ≈  
 Sparling ≈  
 Barbara and Robert W. Starkey ≈  
 Ronald E. Stoner ≈  
 William and Glenda Super ≈  
 Charles and Shirley Sykes Family ≈ #  
 Lisa Tauxe and Hubert Staudigel  
 Ann and John O. Todd, Jr. ≈  
 Eleanor L. tum Suden #  
 Ann McGowan-Tuskes and Paul Tuskes  
 J. Marie Tuthill  
 Union Bank of California  
 The Yaspan Unterberg Foundation, Inc.  
 Ruth A. Unterberg ≈  
 Vagabundos del Mar  
 Angela and August Van Dessel ≈  
 George R. Vojtko  
 Ginger and Robert Wallace ≈  
 Olivia K. Werner Δ  
 Emily Westhem ≈  
 Edward G. Wickes  
 Karin and Scott Wilson ≈  
 Elizabeth Winant #  
 Karin Winner ≈  
 Patricia W. Wong #  
 Ann and Buzz Woolley ≈  
 Clarissa and Warren S. Wooster  
 Cynthia York and David Wahl ≈  
 Rachel York ≈  
 Bebe and Marvin Zigman ≈

**LEGEND**

- + Director's Circle Member
- ≈ E. W. Scripps Associates Member
- # Ellen's Circle Member
- Δ Friends of Collections Member
- ❖ Private Contract/Grant



# STATEMENT OF ACTIVITY

		UNRESTRICTED				
		FY 06-07	FY 07-08	RESTRICTED	DESIGNATED	UNDESIGNATED
<b>Revenue</b>						
	<b>Sponsored Research (expensed in this period, not awarded)</b>	<b>\$107,082,430</b>	<b>\$113,484,815</b>	<b>\$113,484,815</b>		
	Government - Federal	93,746,652	99,126,397	99,126,397		
	National Science Foundation	36,079,397	34,306,091	34,306,091		
	Department of the Navy	19,030,098	25,683,209	25,683,209		
	National Aeronautics and Space Administration	4,107,084	3,107,509	3,107,509		
	National Oceanic and Atmospheric Administration	16,378,749	16,576,896	16,576,896		
	Department of Energy	1,249,590	1,155,239	1,155,239		
	Other Departments of Defense	1,171,542	1,519,853	1,519,853		
	Other Federal Departments	2,944,395	2,396,049	2,396,049		
	Federal "flow thru" subcontracted research with non-state institutions	12,785,797	14,381,550	14,381,550		
	Government - State	7,909,146	9,842,007	9,842,007		
	Intercampus Sponsored Research	360,326	359,144	359,144		
	Government - Local	286,639	413,233	413,233		
	Private Contracts	4,779,666	3,744,034	3,744,034		
	<b>University of California Support</b>	<b>28,793,392</b>	<b>29,061,862</b>	<b>266,045</b>	<b>21,125,655</b>	<b>7,670,162</b>
	General Funds from the State that flow through UCSD	19,640,422	18,961,699	265,193	17,454,460	1,242,046
	Student Fees	48,564	52,664		52,664	
	Allocation of Benefits for UCSD FTE's	3,086,292	3,219,299	852	3,218,448	
	ICR Allocation from Prior Yr F&A Fees from UCSD	6,018,114	6,828,200		400,084	6,428,116
	<b>Earned Revenue</b>	<b>9,348,826</b>	<b>11,476,958</b>	<b>11,108,856</b>		<b>368,102</b>
	Birch Aquarium at Scripps (BAS) excluding recharge revenue	3,469,948	3,535,187	3,535,187		
	Recharge Unit Revenues	5,655,264	7,320,768	7,320,768		
	Intellectual Property & Royalty Income	49,174	19,623	19,429		194
	Other Revenue	174,439	601,380	233,472		367,908
	<b>Private Gifts and Grants</b>	<b>6,498,058</b>	<b>7,328,575</b>	<b>6,129,380</b>		<b>1,199,195</b>
	Private Gifts	5,132,057	3,864,672	3,337,477		527,195
	Private Grants	1,366,001	3,463,903	2,791,903		672,000
	<b>Interest Income</b>	<b>1,930,278</b>	<b>1,483,052</b>	<b>663,127</b>		<b>819,925</b>
	Interest Income	267,099	(210,605)			(210,605)
	Endowment Yields	1,663,179	1,693,657	663,127		1,030,530
	<b>Total Revenue</b>	<b>153,652,984</b>	<b>162,835,262</b>	<b>131,652,223</b>	<b>21,125,655</b>	<b>10,057,384</b>
	<b>Expenses</b>					
	<b>Research Programs- SEEK</b>	<b>130,343,365</b>	<b>144,671,402</b>			
	<b>Instruction Programs - TEACH</b>	<b>6,275,237</b>	<b>6,332,644</b>			
	<b>Outreach - COMMUNICATE</b>	<b>6,299,631</b>	<b>6,026,037</b>			
	Birch Aquarium at Scripps (BAS)	5,493,114	5,487,264			
	Scripps Oceanographic Society (SOS)	7,222	199,042			
	Communications & Publications	799,295	339,731			
	<b>Institutional Support</b>	<b>5,953,490</b>	<b>5,062,178</b>			
	Director's Office	1,835,086	1,475,817			
	Development - Direct Costs	612,372	496,978			
	Special Events and Facility Rental	220,186	308,147			
	Director's Business Office	890,530	981,793			
	Academic and Research Investments	910,386	364,570			
	Facility Expenses	801,745	772,423			
	Support Services	683,184	662,450			
	<b>Total Expenses (see NOTE)</b>	<b>148,871,722</b>	<b>162,092,261</b>			
	<b>Net Carry forward/(Deficit) from Current Activities</b>	<b>4,781,262</b>	<b>743,001</b>			

**Federal revenue** reported here reflects reimbursement by the federal government for expenses incurred by Scripps when completing research on previously awarded federal contracts or grants. This figure is not the gross federal awards received by the institution during the current fiscal year.

**University of California support** was reduced in 2007/08 by a transfer of \$1.5M to plant accounts for planned facilities renewal projects.

**Birch Aquarium at Scripps**, like most museums, generates only a portion of its revenue through fees it charges to the public. The balance of its operations is supported through restricted private gifts and endowment yields.

**Private gift revenue** includes gifts received and available for spending in the current year through UC Regents funds. It does not include development activity resulting in contributions to endowments or UCSD Foundation funds.

**Interest income** includes short-term investment pool revenue. Interest income was reduced in 2007/08 by a \$779,000 transfer to plant accounts for planned facilities renewal projects. Plant accounts are captured as assets until expended.

**Research programs** include all research units, the Marine Science Development Shop, Analytical Facility, Collections and Libraries, and Contracts and Grants Administration.

**UCSD financial schedules** exclude overhead generated from sponsored research activities. Scripps administration includes it in these financial statements to improve comparisons of Scripps to other research institutions.

**Director's Office** includes VCMS and his staff, Academic Affairs, Government Relations, and Business Development.

**Development** costs are shared between Scripps and UCSD Development.

**Director's Business Office** includes the Assistant Director, administrative personnel, and financial staff.

**Academic and research investments** include recruitment expenses including lab/office renovations and expenses of the Center for Earth Observations and Applications.

**Facilities expenditures** in 2007/08 actually totaled \$881,728. This \$881,728 includes amounts transferred by Scripps to UCSD Facilities Design and Construction

or Physical Plant Services and subsequently spent during the year on large capital improvement projects and renovations to facilities to accommodate the needs of new faculty and research hires (reflected under Academic and Research Investments).

**Support Services** include purchasing, computer systems, safety, dive operations, and the Scripps lifeguard.

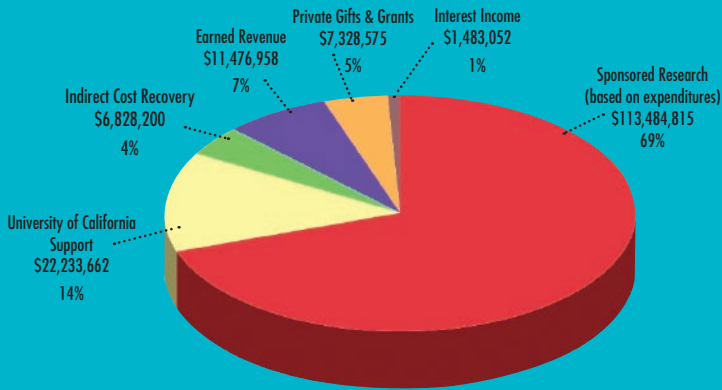
**Net carry forward balances** in 2006/07 and 2007/08 reflect earned revenue from self-supporting units held in reserve for equipment replacement or repair, i.e., restricted funds. Cumulative balances of discretionary funds used for general support of the institution are actually in deficit due to cuts to the University's research budget.

**NOTE:** This statement does not purport to present all annual expenditures associated with operating the institution. Many services provided by campus departments outside Scripps are not reflected in Scripps' annual expenditures. Examples: building, parking lot, and road maintenance, utilities, seawater utilities, custodial services, landscaping, grounds, accounting, payroll, HR.



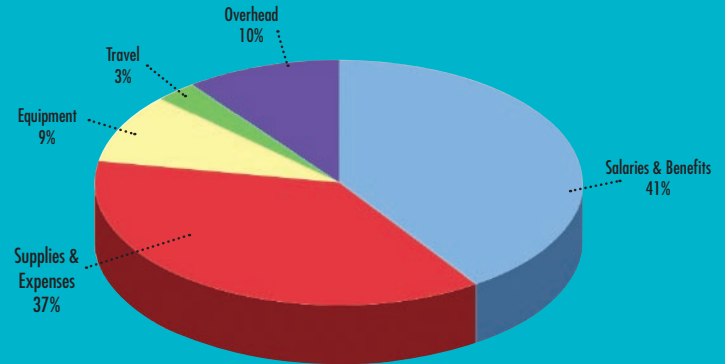
## SOURCES OF REVENUE

FY 07/08  
\$162,835,262



## EXPENDITURES BY FUNCTION

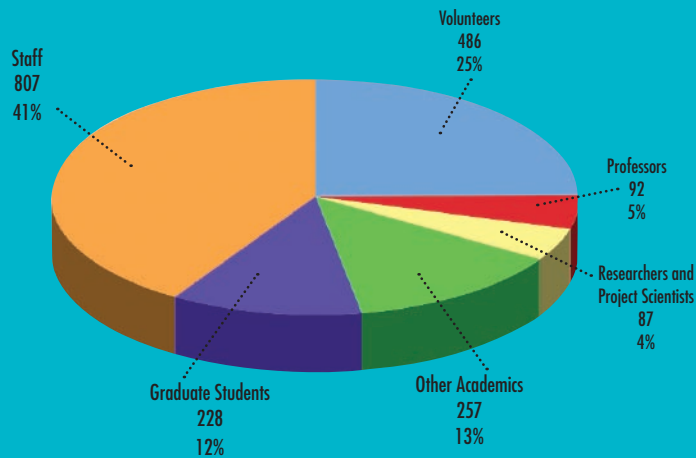
FY 07/08  
\$162,092,261



## CENSUS

CALENDAR YEAR 2007

TOTAL: 1,957



### UNDERGRADUATE EDUCATION

Scripps continues to emphasize a wide range of earth, environmental, and marine science concepts to undergraduate students through more than 45 undergraduate courses and seminars, all taught by our most accomplished faculty and researchers, and through dozens of exciting and relevant research opportunities.

Scripps offers a rigorous undergraduate major in earth sciences and an increasingly popular interdisciplinary minor in marine sciences introduced in fall 2007. Enrollments continue to rise in all Scripps undergraduate courses.

*Scripps is a world-class oceanographic institution due to its ability to attract and retain the best and brightest students, faculty, and staff.*

### GRADUATE STUDENT STATISTICS

At Scripps, training the next generation of global ocean and earth science leaders remains as important as ever.

#### Fall 2007 Enrollment

Male: 114  
Female: 114  
Total: 228

#### Field of Study/Number of Students

Applied Ocean Sciences: 18  
Biological Oceanography: 34  
Climate Science: 20  
Geophysics: 29  
Geological Science: 22  
Marine Biology: 51  
Marine Chemistry/Geochemistry: 30  
Physical Oceanography: 20  
Masters: 4

# THE SCRIPPS FLEET

*The mission of the Scripps fleet is to provide the best possible access to the sea to scientists from Scripps, other U.S. research institutions, and around the world. Scripps' challenge is to offer the highest level of seagoing support across all disciplines of oceanography, using a broad range of instruments and observational methods, in some of the most remote and environmentally challenging parts of the world. The continued success of Scripps research vessels attests to the aptitude, integrity, and perseverance of our ships' crews, technical support staff, and schedulers.*



## **R/V MELVILLE**

Built: 1969  
Mid-Life: 1992  
Length: 279 feet  
Gross Tonnage: 2,516 tons  
Crew: 23  
Scientific Berthing: 38



## **R/V ROGER REVELLE**

Built: 1996  
Length: 273 feet  
Gross Tonnage: 3,180 tons  
Crew: 22  
Scientific Berthing: 37



## **R/V NEW HORIZON**

Built: 1978  
Mid-Life: 1996  
Length: 170 feet  
Gross Tonnage: 297 tons  
Crew: 12  
Scientific Berthing: 19



## **R/V ROBERT GORDON SPROUL**

Built: 1981  
Length: 125 feet  
Gross Tonnage: 84 tons  
Crew: 5  
Scientific Berthing: 12



## **R/P FLIP**

Built: 1962  
Length: 355 feet  
Gross Tonnage: 700 tons  
Crew: 4 in port, 5 underway  
Scientific Berthing: 11

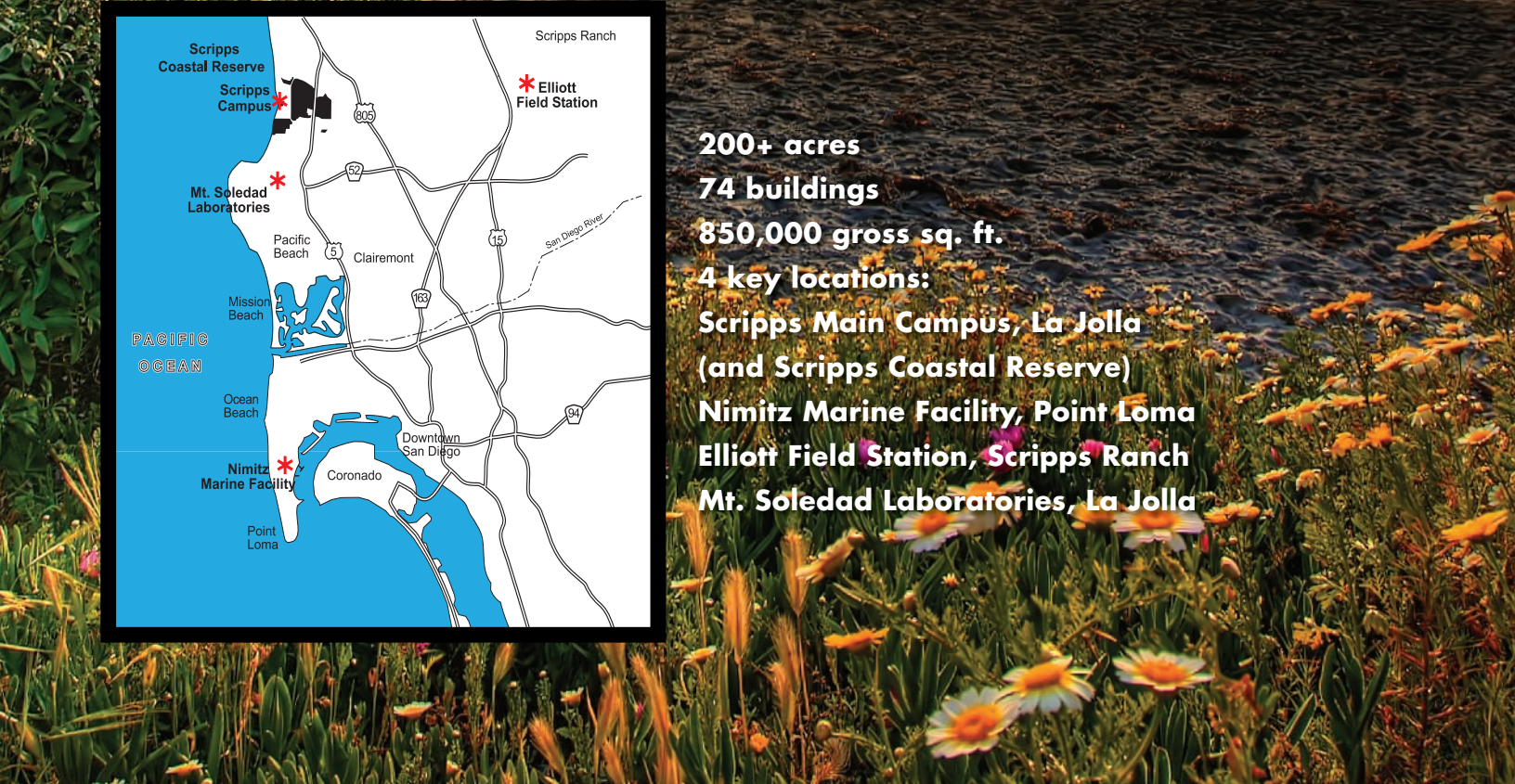


# SCRIPPS LOCATIONS



**200+ acres**  
**74 buildings**  
**850,000 gross sq. ft.**  
**4 key locations:**


**Scripps Main Campus, La Jolla**  
**(and Scripps Coastal Reserve)**  
**Nimitz Marine Facility, Point Loma**  
**Elliott Field Station, Scripps Ranch**  
**Mt. Soledad Laboratories, La Jolla**



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University of California, San Diego  
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La Jolla, CA 92093-0210

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SCRIPPS RESEARCHERS ARE CONTRIBUTING  
THEIR SCIENTIFIC EXPERTISE TO A STATE-  
WIDE EFFORT UNDER WAY REGARDING THE  
DEVELOPMENT OF MARINE PROTECTED  
AREAS OFF THE CALIFORNIA COAST.  
THESE RESERVES, ALONG WITH AREAS OF  
BIOLOGICAL SIGNIFICANCE, ARE DESIGNED  
TO HELP CONSERVE THE STATE'S PRECIOUS  
NATURAL RESOURCES.

Scripps Institution of Oceanography  
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