**THE SCRIPPS MISSION:**

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

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Scripps Institution of Oceanography at UC San Diego continues to serve as an economic engine for the region and provides a valuable return on investment. During these difficult economic times, we are grateful to the federal, state, and private entities that support our excellent research, education programs, and students. We continue our commitment of careful stewardship of taxpayer and donor funds.

We continue to build the pipeline of early-career scientists, starting with engaging middle- and high-school students and teachers through to expanding our ranks of researchers and assistant professors. Some of these new arrivals grace our cover.

This year, for the first time, external funding for sponsored research by scientists at Scripps exceeded $160 million (without including “onetime” American Recovery and Reinvestment Act funding). This is due primarily to the innovations and ideas of Scripps researchers who explore new science concepts and enter rigorous competition for funding. Philanthropy from individuals, foundations, and corporations equaled $11.5 million, about double our average.

Scripps reached many momentous milestones this year, including several noteworthy anniversaries and firsts.

In August, construction commenced on AGOR 28, our newest Navy-owned Auxiliary General Oceanographic Research (AGOR) vessel, in Anacortes, Wash. And our program to refresh the laboratory facilities in Point Loma and La Jolla is on track, including the new International Marine Ecosystems Laboratories building.

Birch Aquarium at Scripps celebrates two decades at its current location. Scripps has had a public aquarium since its inception in 1903, and the latest facility, named for Stephen and Mary Birch, has been a great front door to our community for 20 years.

In June, we celebrated the 50th anniversary of the one-of-a-kind Floating Instrument Platform, FLIP, owned by the Navy and designed by legendary Scripps scientists Fred Fisher and Fred Spiess. This year Scripps acquired a flexible Remotely Operated Vehicle, which had its maiden voyage during a student-led, UC Ship Funds Program cruise off the coast of San Diego in July – an exciting opportunity for hands-on student research and exploration at sea.

The future of Scripps remains bright and your engagement is as important as ever. Scripps’ greatest triumphs come when we bring together minds from across disciplines and fields to address important issues. With Scripps’ many friends and supporters, we welcome your involvement as we journey deeper into our second century of discovery.

Sincerely,

Tony Haymet
Director
Scripps Institution of Oceanography
UC San Diego

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**AWARDS BY SPONSOR FY 11/12**

*Flow-Thru is generally federal funding granted to other universities and then sub-awarded to Scripps.*

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**COVER PHOTOS:** Today’s Scripps talent includes an impressive group of top faculty, postdocs, and stellar students.
Research Highlights

ALGAE POWER

Researchers at Scripps Institution of Oceanography, a member organization of the San Diego Center for Algae Biotechnology, and a number of commercial companies study how algae can most efficiently be developed into a clean, renewable biofuel to one day replace non-renewable fossil fuels. Taking this research a step further, Scripps researchers are working with Southern California Gas Co. to leverage algae’s natural ability to absorb carbon dioxide in the environment and convert it into oil-rich biomass or biomethane or refined into fossil fuel replacements. After extracting the oils for biodiesel, the remaining biomass can be sold as a safe, protein-rich animal feed. Targeted carbon dioxide sources include: natural gas power plants, large engines used in natural gas compression, and water pumping and boilers used to produce steam for industrial processes such as enhanced oil recovery.

QUAKE SURVEYS OFF SAN ONOFRE

Southern California Edison is supporting Scripps’ efforts to gather seismic data off the coast of Southern California’s San Onofre Nuclear Generating Station, with the National Science Foundation as the lead agency. The Scripps team includes experts from around the country to perform the offshore research. The work, which will continue through 2015, involves collecting and processing data from 2-D and 3-D multichannel seismic reflection and refraction off San Onofre State Beach. The raw and processed survey data will be available to science experts and the public to view and use.

THE DEEPEST CHALLENGE

Launched in a submarine roughly 200 miles southwest of Guam, filmmaker James Cameron touched the depths of the Mariana Trench, the deepest spot in the world, on March 25. This historic dive marked humanity’s first return to the storied location in more than 50 years. Inside Deepsea Challenger, his specially designed submersible, Cameron descended nearly seven miles in two hours and 36 minutes to become the first solo diver in history to accomplish this feat. Scripps Institution of Oceanography’s Doug Bartlett was the venture’s chief scientist, culminating nearly a decade of interaction with Cameron in developing new ways to explore and study the deepest parts of the oceans. In collaboration with Cameron’s project, Scripps scientists obtained seawater, sediment cores, and deep-sea animals, in many cases collected by deep-sea landers. These rare samples will enable scientists to identify new life forms. Scripps microbiologists will investigate DNA samples to understand how life evolves and adapts in the punishing extremes of the deep, and ascertain whether such microbes could be sources of novel natural products with potential biomedical value. This project strengthens Scripps’ efforts to steward the deep ocean through the Center for Deep Ocean Research and Exploration at Scripps.
Scripps Institution of Oceanography is extremely grateful to our friends and supporters who continue to invest in Scripps’ promising future.

Many gifts from generous supporters made a major impact during the 2011-2012 fiscal year. Again this year, Scripps was a proud recipient of the Vetlesen Foundation’s ongoing generosity and commitment to fund Scripps’ global change research. Scripps and Birch Aquarium at Scripps benefitted greatly from a transformational estate gift from David DeLaCour, one of the largest gifts ever received by Scripps. Moreover, the W.M. Keck Foundation made a significant contribution to fund research to create the world’s first multi-resolution, 3-D, underwater video microscope. A generous grant from the Waitt Foundation will advance understanding of emerging pollution risks to oceans and human health from seafood contamination. And thanks to private support from the Lowe Family Foundation, a first-of-its-kind seadragon breeding pilot program was launched at Scripps in collaboration with breeding partner Birch Aquarium at Scripps.

In addition, a strong cohort of dedicated leaders in the community continues to play an important role in advancing Scripps initiatives. This year, Stephen Strachan began his tenure as chair of the Scripps Director’s Cabinet. Stephen brings a wealth of business experience and science understanding helpful in expanding Scripps’ reach. Plus, the institution’s premiere annual giving group, E.W. Scripps Associates, also made important contributions this year by recruiting 38 new members from around the country. And we are pleased to report that Betsy McKibbin is leading the group as chair of the Steering Committee, which oversees E.W. Scripps Associates programming and directives.

Thank you all for the incredible difference you make here at Scripps and far beyond for the benefit of our world. As Scripps moves deeper into our second century of discovery, we look forward to having you by our side.
Private Support in Fiscal Year 2011-2012

<table>
<thead>
<tr>
<th>Category</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Birch Aquarium at Scripps</td>
<td>$2,768,626</td>
</tr>
<tr>
<td>Campus Improvement</td>
<td>$237,870</td>
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<tr>
<td>Department Support</td>
<td>$178,958</td>
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<tr>
<td>Discretionary</td>
<td>$2,865,374</td>
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<tr>
<td>Fellowships/Student Support</td>
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<tr>
<td>Instruction</td>
<td>$71,200</td>
</tr>
<tr>
<td>Research</td>
<td>$5,121,158</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$11,486,490</strong></td>
</tr>
</tbody>
</table>

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

Scripps Oceanography Endowment

(market value as of June 30, 2012)

<table>
<thead>
<tr>
<th>Endowment</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>TOTAL Endowments</td>
<td>$60,673,930</td>
</tr>
</tbody>
</table>

OVER THE PAST TWO DECADES, more than 6 million visitors – including 1 million local school children – have explored Birch Aquarium at Scripps’ marine habitats and ocean science exhibits.

Birch Aquarium opened its doors along Expedition Way in 1992, replacing Scripps Aquarium-Museum, which had operated for four decades near Scripps Pier. The $14 million facility, named in honor of the Stephen and Mary Birch Foundation, a nonprofit organization that awarded $6 million for the aquarium’s redesign, was three times larger than its predecessor. It is a testament to the breadth of Scripps research explorations and the institution’s commitment to sharing ocean and earth science discoveries with the public. As it celebrates its 20th year at its current location, Birch Aquarium at Scripps is still a place that changes the world.

“The oceans are vital for a healthy planet,” said Dr. Nigella Hillgarth, executive director at the aquarium. “The more we learn about the ocean, the more we realize just how important it is to protect it.”

SCRIPPS ALUMNI STAY CONNECTED

Scripps alumni maintain strong ties to their alma mater, regularly returning to give talks, collaborate with colleagues, and take part in events. This year, Scripps created two new ways to strengthen that bond. Scripps alumni can access news and events specifically targeted to their interests on Facebook and LinkedIn. Photos, news, and event information are posted regularly to connect Scripps alumni to campus and each other. Also launched last year, the Scripps Alumni Fund supports student fellowships. With education costs rising and federal funding becoming increasingly competitive, fellowship funds are extremely important to current Scripps students. Alumni may now pool their resources and support the next generation following in their footsteps.

Scripps Alumni Facebook Page: www.facebook.com/scrippsalumni
Scripps Alumni LinkedIn Group: bit.ly/scrippsalumni
Scripps Alumni Fund: www-er.ucsd.edu/ScrippsAlumniFund
# Financial Support

From July 1, 2011 to June 30, 2012

## SUPPORT FROM FEDERAL, STATE, AND CITY/COUNTY AGENCIES

### FEDERAL
- Department of Agriculture
  - US Forest Service
- Department of Commerce
  - National Oceanographic and Atmospheric Administration
    - National Institute of Standards and Technology
- Department of Defense
  - Army Corps of Engineers
  - Air Force Office of Scientific Research
  - Miscellaneous Air Force Bases and Agencies
- Department of Energy
- Federal Maritime Commission
- Department of Health and Human Services
  - National Cancer Institute
  - National Eye Institute
  - National Institute of Allergy and Infectious Diseases
  - National Institute of Child Health and Human Development
  - National Institute of General Medical Sciences
  - National Institute of Neurological Disorders & Stroke
- National Institute of Office of the Director
- Department of Interior
  - Fish and Wildlife Service
  - US Geological Survey
  - Miscellaneous Agencies
- International Government
  - Environment Canada
  - Japan Aerospace Exploration Agency
  - U.S.-Israel Binat’s Science Foundation
- Department of Navy
  - Office of Naval Research
  - Space and Naval Warfare Systems Command
  - Naval Postgraduate School
  - Naval Research Laboratory
  - Naval Surface Warfare Center
  - Miscellaneous Bases and Agencies
- National Aeronautics and Space Administration
- National Science Foundation

### STATE OF CALIFORNIA
- Department of Boating and Waterways
  - Calfed-Bay-Delta Authority
- California Energy Commission
- California State Coastal Conservancy
- San Francisco Bay Conservation and Development Commission
- Department of Parks and Recreation
- EPA Air Resources Board
- EPA Water Control Board
- State Lands Commission
- Miscellaneous Agencies

### CITIES AND COUNTIES
- San Diego Unified Port District

### EXTRAMURAL SUPPORT
- ASR, Ltd.
- BakerAECOM (FT FEMA)
- Battelle Memorial Institute (FT Navy Misc.)
- Bermuda Institute of Ocean Sciences (FT NOAA & NSF)
- BP Group
- Bubblyology Research International, LLC (FT ExxonMobil)
- Center for Ecosystem Management and Restoration (FT Nat Fish & Wildlife Foundation)
- Chevron Corporation
- Colorado State University (FT NSF)
- Columbia University (FT Navy)
- ConocoPhillips Company
- Consortium for Ocean Leadership (FT NSF)
- Duke University (FT Navy)
- Earth and Space Research
- Earth Networks, Inc.
- East Carolina University (FT Alfred Sloan Foundation)
- Electromagnetic Geosensors SA, Seabed Logging Company
- Environment Canada
- Environmental Defense Fund
- ExxonMobil Corporation
- Federal Maritime Commission (FT Msc. Federal)
- Fugro
- Geophysical Resources & Services PTY, Ltd.
- Georgia Institute of Technology (FT DARPA, Nm, NSF)
- Greenridge Sciences, Inc. (FT Shell)
- Harvard University (FT DARPA)
- Henry Ford Health System (FT NIH)
- Hess Corporation
- Incorporated Research Institutions for Seismology (FT NSF)
- Information Systems Laboratories, Inc.
  - (FT Navy, Statoil R&D Centre)
- Integrated Ocean Drilling Program (FT NSF)
- Jet Propulsion Laboratory (FT NASA)
- JX Nippon Oil and Gas Exploration Corp.
- KMS Technologies
- Los Alamos National Security LLC (FT DOE)
- Marine Biological Laboratory (FT NSF)
- Monterey Bay Aquarium Research Institute (FT Navy)
- National Geographic Society
- Nike Asia, Ltd.
- Ocean Recovery Alliance
- Oceans Alot, LLC (FT National Geographic Society)
- Oceantech Company
- QHMA, Ltd.
- Opto-Knowledge Systems, Inc. (FT NASA)
- Oregon State University (FT NASA, NOAA, NSF)
- Pregnancy Systems (FT Navy)
- Repsol YPF, S.A.
- RDX Pharmaceuticals, Inc.
- San Diego State University Research Foundation (FT Navy)
- Scripps Research Institute (FT NIH)
- Shell Development Company
- Silicon Sound Science Center (FT NIH)
- Smithsonian/Miscellaneous Programs (FT NIH)
- Southern California Gas Company
- Southern Methodist University (FT DARPA)
- St. Jude, S.A.
- Threl Therapeutics, Inc. (FT DARPA)
- UC Agriculture and Natural Resources (FT NOAA)
- UC Discovery Grant
- UC MEXUS
- UNAVCO, Inc. (FT NSF)
- University and Community College System of Nevada (FT NASA)
- University Corporation for Atmospheric Research (FT NSF)
- University of Alaska (FT DOD)
- University of Arizona (FT Msc. Federal & Private)
- University of Hawaii (FT Msc. Federal)
- University of Miami (FT NSF)

### PHILANTHROPIC SUPPORT
- $1,000,000+
  - David DeLaCour*
  - W. M. Keck Foundation
  - Gordon and Betty Moore Foundation
- $500,000-$999,999
  - Anonymous
  - Kaplan Family Trust
  - G. Unger Vetlesen Foundation
- $250,000-$499,999
  - Jewish Community Foundation
  - Miriam E. and Jerome S. Katzin
  - Mary Jane Lowe
  - The Wall Foundation
- $100,000-$249,999
  - James Cameron
  - Stuart Gordon
  - Cecil H. and Ida M. Green Foundation
  - Dinia and Lloyd Green
  - Ellen Lehman and Charles F. Kennel
  - Patricia and William Todd
  - Betty and Gordon Moore
  - Christy and Edward Scripps, Jr.
  - Robert Scripps
  - Patricia and William Todd
  - Miriam E. and Jerome S. Katzin
  - James Cameron

### $50,000-$99,999
- Jennifer and Gregory Alexander
  - Patricia and William Todd
  - The Edna Bailey Sussman Foundation
  - Union Bank, N.A.
  - Marilyn S. and Martin Wade

### $25,000-$49,999
- Alan and Jane Lehman Foundation
  - at the recommendation of Ellen Lehman and Charles F. Kennel
- Susan Rendaker
- Nancy and William T. Schneider
- Ellen Browning Scripps Foundation
- Margaret K. and Estabil Scripps
- San Diego Gas and Electric
- Linda D. and Stephen M. Strachan
- The Edna Bailey Sussman Foundation
- Union Bank, N.A.

### $10,000-$24,999
- Robert Scripps

### $5,000-$9,999
- Anonymous
- Arizona Community Foundation
- Eleanor and John Barbey, Jr.
- Robert D. Blevins
- CH2M Hill Foundation
- Chinese National & Shijow-Hwa Lin
- The Diane Family Foundation
- The Edna Bailey Sussman Foundation
- Union Bank, N.A.

### $1,000-$4,999
- Anonymous
- Anonymous
- Anonymous
- Anonymous
- Anonymous
- Anonymous
- Anonymous

### Education and Training
- Anonymous
- Anonymous
- Constance and Lewis M. Branscomb
- Carl A. Bergard
- Avatar Global Foundation
- Constans and Lewis M. Branscomb
- Joyce and Paul Brooks
- Bruce A. Lee Foundation
- The Charles H. Stout Foundation
- Dow Agrosciences
- Karen and Michael Drogin
- Payroc and Rick Elkus
- Victor and Louise Englamen
- Extrameasures
- Fidelity Investments
- Peggy and Steve Fossert Foundation
- Angelo and Otilia Gaspare
- Gifford Hill Foundation
- Rosemarie and Jeffrey* Graham
- Paula and George Hauer
- Nancy Knowlton and Jeremy Jackson
- International Community Foundation
- Julie and Lawrence Ray
- Nora and Alan* Julia
- Chico Corporation
- Sarah and Brian Kealing
- David Klipstein
- Ernest Christian Klipstein Foundation
- Mary C. and Jeffrey R. Knicke
- Alan and Jane Lehman Foundation
- at the recommendation of Ellen Lehman and Charles F. Kennel
- Venita and John McGowan
- Betty B. and Greg Mitchell
- The Curtis and Edith Munson Foundation
- The Ocean Foundation
- Elizabeth and Morgan Dene-Oliver
- Pacific Blue Foundation
- The Pacific Life Foundation
- Mary McCabe Peirce and David T. Peirce
- Pittsburgh Foundation (the Bessie F. Anathan Foundation)
- at the recommendation of Ellen Lehman and Charles F. Kennel
- Susan Rendaker
- Nancy and William T. Schneider
- Ellen Browning Scripps Foundation
- Margaret K. and Estabil Scripps
- San Diego Gas and Electric
- Linda D. and Stephen M. Strachan
- The Edna Bailey Sussman Foundation
- Union Bank, N.A.
- Marilyn S. and Martin Wade
- Pat and Donald Wilker

### $5,000-$9,999
- Anonymous
- Australian Community Foundation
- Eleanor and John Barbey, Jr.
- Robert D. Blevins
- CH2M Hill Foundation
- Chinese National & Shijow-Hwa Lin
- The Diane Family Foundation
- The Edna Bailey Sussman Foundation
- Union Bank, N.A.
- Marilyn S. and Martin Wade
- Pat and Donald Wilker

### $5,000-
- Anonymous
- Anonymous
- Anonymous
- Anonymous
- Anonymous
- Anonymous
- Anonymous
- Anonymous
- Anonymous
We have made every effort to ensure that this information is accurate, however we would appreciate notification of any changes. Please call the Scripps Development Office at (858) 822-1865 to notify us of your changes.

The following individuals have generously included Scripps Institution of Oceanography in their estate plans this year:

Helga Ashkenaze
Käthe and Walter C. Gafny
Kayoko Rucco
Nancy and William T. Schneider
Nancy E. Snyder
Barbara Thun

### L E G E N D

- Director’s Circle Member ($100,000+ cumulative giving)
- Ellen’s Circle Member ($1,000+ annual donation to Birch Aquarium at Scripps)
- E.W. Scripps Associates Member ($1,000+ annual unrestricted donation)
- Friends of the Collections Member ($1,000+ annual donation to Scripps Oceanographic Collections)
- Director’s Cabinet Member (A select group of advisors who work toward expanding awareness and support of Scripps)
- York Society Member (Individuals that have made a bequest, life income gift, or included UC San Diego in their estate plans)
- Deceased
- FT Flow-Thru
## Statement of Activity

**Revenue**

<table>
<thead>
<tr>
<th>Revenue</th>
<th>FY 10-11</th>
<th>FY 11-12</th>
<th>RESTRICTED</th>
<th>DESIGNATED</th>
<th>UNDESIgnATED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sponsored Research (expended in the period, not awarded)</td>
<td>121,014,782</td>
<td>127,374,698</td>
<td>127,374,698</td>
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<tr>
<td>1 Government - Federal</td>
<td>109,018,213</td>
<td>113,923,354</td>
<td>113,923,354</td>
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<tr>
<td>National Science Foundation</td>
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<td>39,634,425</td>
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<tr>
<td>Department of the Navy</td>
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<td>23,294,393</td>
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<tr>
<td>National Aeronautics and Space Administration</td>
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<td>4,442,536</td>
<td>4,442,536</td>
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<tr>
<td>National Oceanic and Atmospheric Administration</td>
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<td>18,638,019</td>
<td>18,638,019</td>
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<td>Department of Energy</td>
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<td>2,320,738</td>
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<td>Other Department of Defense Agencies</td>
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<td>Other Federal Departments</td>
<td>2,692,053</td>
<td>3,592,523</td>
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<td>Federal Flow-Thu</td>
<td>13,172,405</td>
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<td>ARRA - Federal</td>
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<td>ARRA - Federal Flow-Thu</td>
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<td>270,513</td>
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<tr>
<td>Government - State</td>
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<td>7,206,585</td>
<td>7,206,585</td>
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<td>Intercampus Sponsored Research</td>
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<td>1,525,155</td>
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<td>Government - Local</td>
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<td>738,703</td>
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<td>Private Contracts</td>
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<td>3,980,900</td>
<td>3,980,900</td>
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<tr>
<td><strong>University of California Support</strong></td>
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<td>35,876,295</td>
<td>214,620</td>
<td>26,748,711</td>
<td>8,912,964</td>
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<tr>
<td>2 General Funds from the State that flow through UCSD</td>
<td>23,332,118</td>
<td>20,277,110</td>
<td>214,620</td>
<td>20,057,950</td>
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<tr>
<td>3 Student Fees</td>
<td>189,609</td>
<td>824,312</td>
<td>245,371</td>
<td>578,741</td>
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<tr>
<td>4 Allocation of Benefits for UCSD FTE’s</td>
<td>4,497,926</td>
<td>5,469,573</td>
<td>5,469,573</td>
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<td>ICR Allocation from Prior Yr F&amp;A fees from UCSD</td>
<td>8,680,000</td>
<td>9,310,700</td>
<td>976,477</td>
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<td><strong>Earned Revenue</strong></td>
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<td>10,156,268</td>
<td>9,684,002</td>
<td>472,266</td>
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<tr>
<td>Birch Aquarium at Scripps (BAS) excluding recharge revenue</td>
<td>4,857,350</td>
<td>5,359,810</td>
<td>5,359,810</td>
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<td></td>
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<tr>
<td>Recharge Utr St Revenues</td>
<td>4,498,972</td>
<td>4,073,301</td>
<td>4,073,301</td>
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<td></td>
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<tr>
<td>Intellectual Property &amp; Royalty Income</td>
<td>14,814</td>
<td>49,511</td>
<td>49,511</td>
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<tr>
<td>Other Revenue</td>
<td>606,595</td>
<td>673,646</td>
<td>201,380</td>
<td>472,266</td>
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<tr>
<td><strong>Private Gifts and Grants</strong></td>
<td>7,627,408</td>
<td>9,399,091</td>
<td>8,349,336</td>
<td>1,590,055</td>
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<tr>
<td>3 Private Gifts</td>
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<td>7,727,716</td>
<td>6,137,661</td>
<td>1,590,055</td>
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<td>Private Grants</td>
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<td>2,211,975</td>
<td>2,211,975</td>
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<td><strong>Interest Income</strong></td>
<td>1,697,913</td>
<td>1,862,690</td>
<td>696,415</td>
<td>1,166,275</td>
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<tr>
<td>6 Interest Income</td>
<td>83,909</td>
<td>274,453</td>
<td>274,453</td>
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<td></td>
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<tr>
<td>7 Endowment Yield</td>
<td>1,610,044</td>
<td>1,588,237</td>
<td>696,415</td>
<td>891,822</td>
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<tr>
<td><strong>Total Revenue</strong></td>
<td>177,017,463</td>
<td>185,209,042</td>
<td>146,319,372</td>
<td>26,748,710</td>
<td>12,141,560</td>
</tr>
</tbody>
</table>

**Expenses**

| Expenses | 148,355,429 | 156,455,809 | |
| Research Programs - SEIR | |
| Sponsored Research | 116,836,244 | 123,480,999 | |
| 8 Ships | 29,209,417 | 30,638,368 | |
| 9 Analytical Facility | 262,945 | 105,694 | |
| Scripps Oceanographic Collections | 358,843 | 371,653 | |
| Contract and Grant Administration | 651,883 | 835,685 | |
| Government and International Relations | 511,432 | 598,527 | |
| 10 Research Infrastructure | 504,666 | 424,883 | |
| **Instruction Programs - TBACH** | 8,359,967 | 9,121,428 | |
| Outreach = COMMUNICATE | 8,587,048 | 8,076,048 | |
| Birch Aquarium at Scripps (BAS) | 7,467,137 | 7,053,368 | |
| Communications & Publications | 561,383 | 537,335 | |
| Development - Direct Costs | 414,129 | 364,255 | |
| Diversity | 103,398 | 74,113 | |
| Special Events | 35,001 | 47,577 | |
| **Institutional Support** | 5,414,312 | 5,288,501 | |
| 13 Director’s Office | 702,267 | 759,769 | |
| Academic Personnel | 195,572 | 225,276 | |
| Conference Facilities | 553,607 | 360,450 | |
| 14 VC Business Office | 1,006,132 | 963,322 | |
| Computing | 464,011 | 553,810 | |
| 15 Facilities & Capital Improvements | 2,438,722 | 2,405,875 | |
| **Total Expenses** | 170,716,756 | 178,922,385 | |
| Net Carry forward/(Deficit) from Current Activities | 6,300,727 | 6,287,257 | |

1. The American Recovery and Reinvestment Act (ARRA) is anticipated to support sponsored research over a three to five year period. During FY 11/12, ARRA funds totaled $7.3M (8% of total sponsored research expenditures).
2. Includes a $1.2M reduction for FY 11/12 and $900K reduction for FY 10/11.
3. Student fee revenue increased this year as a result of the Scripps Department taking over administration of the Master of Advanced Studies in Marine Biodiversity and Conservation program from University Extension, and the transfer of Extension reserves carried forward from previous years.
4. Benefits allocation increased to cover additional UCIP contributions and increased health & wellness costs.
5. Private gift revenue includes gifts received and available for spending in UC Regents funds in the current year. It does not include Development activity resulting in bequests, pledges, or contributions to endowments, funds acting as endowments, or plant funds for capital projects.
6. Includes $250K returned from Scripps Seaside Forum plant account after project closure.
7. Endowment yield remained static relative to FY 10/11. FY 11/12 amount includes $12K transferred to plant accounts for major renovations.
8. Ship operations account for 17% of total Scripps expenses. Most of these expenses involve NSF and Navy contracts.
10. Research Infrastructure includes hazardous materials assessment, purchasing, Environmental Health & Safety (EHS) and diesel operations. Starting in FY 11/12, SEIR in requested funds paid by central campus.
11. Instruction programs encompass graduate and undergraduate programs, including student fellowships and new faculty start-up.
12. Total Development costs are shared between Scripps and UCSD Development. Only Scripps’ portion is reflected on this statement.
13. Director’s Office includes the Vice Chancellor Marine Sciences, his staff, Academic Affairs, and Business Development.
14. The VC Business Office includes the Assistant Vice Chancellor, administrative, human resources, and financial staff.
15. To determine total facilities costs, amounts transferred by Scripps to UCSD Facilities Design and Construction or Physical Plant Services and subsequently spent on large capital improvement projects should be added. This includes renovations to facilities to accommodate the needs of new faculty and research lines. In FY 11/12, total facilities expenses including plant funds were approximately $5M.
16. Figures include benefit costs for general funded employees.

**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; custodial services; landscaping; accounting; payroll and HR. UCSD financial schedules exclude overhead generated from sponsored research activities. Scripps includes overhead in this financial statement to improve comparisons of Scripps to other research institutions.
GRADUATE STUDENT STATISTICS:

Fall 2011 Enrollment
- Male: 122
- Female: 118
- Total: 240

FIELD OF STUDY/NUMBER OF STUDENTS:

- Applied Ocean Sciences: 14
- Biological Oceanography: 42
- Climate Science: 22
- Geophysics: 32
- Geological Science: 17
- Marine Biology: 61
- Marine Chemistry/Geochemistry: 19
- Physical Oceanography: 27
- Masters (BS/MS): 6

It takes a talented team of students, faculty, researchers, and staff to keep Scripps at the leading edge of ocean, earth, and climate science.

This year, faculty and researchers ranked Scripps 15th among the world’s best places to work in academia in the August 2012 issue of The Scientist magazine. Postdocs ranked Scripps the 11th best U.S. institution in a March 2012 survey by the same publication.

UNDERGRADUATE EDUCATION:

UNDERGRADUATE EDUCATION AT SCRIPPS CONTINUES TO THRIVE.

This year, Scripps faculty-taught courses enrolled more than 2,400 UC San Diego students. New developments included launching a highly anticipated major in marine biology, increasing undergraduate course offerings in all areas of marine, earth, and environmental sciences, and reinstating the summer NSF-REU Scripps Undergraduate Research Fellowship program, which focuses on introducing underrepresented minorities to Scripps science. Student interest in the existing earth sciences major and marine science minor also continued to rise. The number of students enrolled in the earth sciences major doubled over the last two years to more than 50. Additionally, there are more than 70 students pursuing the marine science minor. These successes reflect Scripps-wide efforts to increase course offerings and relevance of undergraduate education at Scripps.
The Scripps Fleet

**Scripps Research Vessels** are seagoing laboratories with state-of-the-art sensing systems and instruments supporting a wide range of global ocean-going science, including studies of the deep sea, marine life, climate change, ocean circulation, and atmospheric and seafloor processes.

**R/P FLIP**
- Built: 1962
- Length: 355 feet
- Gross Tonnage: 700 tons
- Crew: 4 in port, 5 under way
- Scientific Berthing: 11

**FLIP AT 50**
In the early 1960s, Scripps scientists Fred Fisher and Fred Spiess set out to create an ocean instrument like no other. In need of an exceptionally stable platform for research at sea related to a U.S. Navy submarine weapons program, the scientists envisioned a long, thin design to minimize impacts from strong ocean forces. When it was launched in 1962, the Floating Instrument Platform (FLIP) was a one-of-a-kind innovation. Fifty years later, it remains a hallmark of distinction for both Scripps and the Office of Naval Research, owners of FLIP. Although Spiess and Fisher are no longer living, their legacy lives on as FLIP continues to provide a uniquely stable platform for ocean and national security research.

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

**R/V ROBERT GORDON SPROUL**
- Built: 1981
- Length: 125 feet
- Gross Tonnage: 84 tons
- Crew: 5
- Scientific Berthing: 12

**R/V NEW HORIZON**
- Built: 1978
- Mid-Life: 1996
- Length: 170 feet
- Gross Tonnage: 297 tons
- Crew: 12
- Scientific Berthing: 19

**R/V ROGER REVELLE**
- Built: 1996
- Length: 273 feet
- Gross Tonnage: 3,180 tons
- Crew: 22
- Scientific Berthing: 37

*Scripps operates one of the largest academic research fleets in the world.*
Full Steam Ahead

CONSTRUCTION HAS STARTED on the yet-to-be-named AGOR 28, the newest addition to the Scripps research fleet that will commence operations in 2016. This “ocean class” vessel is a new breed of research ship that will be reliable, cost-effective, and flexible, with many of the capabilities of larger, more expensive “global class” vessels. The modern ship, owned by the U.S. Navy and operated by Scripps, will support interdisciplinary research and education missions and further scientific knowledge critical to the Navy and national security.

AGOR 28
Design: Completed
Construction: To begin late 2012
Keel-laying Ceremony: August 2012
Length: 238 feet
Gross Tonnage: 3,024 tons
Crew: 20
Scientific Berthing: 24

For the latest on AGOR 28’s progress, visit shipsked.ucsd.edu/Ships/AGOR28.