

# 2002

## Annual Report

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### Society of Women Engineers



FY2002 was a year of transition for the Society of Women Engineers. As we end the fiscal year, we should pause to reflect on why we are sponsors of SWE. It is our strong belief in shared values and mission that creates an atmosphere of passion. Integrity, respect, mutual support and professional excellence are time-tested values of the Society of Women Engineers.

Our mission is to:

- stimulate women to achieve full potential in careers as engineers and leaders,
- expand the image of the engineering profession as a positive force in improving the quality of life, and
- demonstrate the value of diversity.

The mission remains as strong and vibrant today as it was over 50 years ago, when our organization was first formed.

During the year, the board of directors focused on three initiatives:

1. continue our strategic planning and transition efforts,
2. develop a long-term plan for revenue growth and fiscal stability, and
3. focus on section vitality and membership growth.

The leadership of the Society studied our organization and prepared a proposal for reorganization that will be considered by the SWE Council of Representatives during its October 2003 meeting. The over-riding goal of this effort is to provide members, sections, and stakeholders with the tools and services that they need to support their continued success. Moving forward with our strategic planning and realignment efforts will allow us to move our agenda forward, to become a more sophisticated partner with industry and professional associations, to build better relationships externally and internally, and to provide better delivery of goods and services to all stakeholders.

In order to progress on our strategic plan and provide the services that our stakeholders need, we must be able to rely on a consistent revenue stream for basic operations and programs. The Board with finance committee and headquarters' assistance began preparing a long-term fiscal plan to ensure that we will be able to act on our mission and goals.

Section vitality and membership growth are crucial to our long-term plans. The SWE leadership coaches tackled this area with

great enthusiasm during the past year. Likewise, the membership committee and student activities committee worked to make member services a priority. As Joan Kuyper, Director of Development, always reminds me, "membership is a contact sport." It is the responsibility of each of us to increase our efforts to help our SWE leaders as they implement these programs.

Progress was also achieved in our other strategic goal areas.



## Education and Outreach

A record number of girls were reached as a part of our Engineers' Week activities. Joint activities with the U.S. Department of Labor Women's Bureau increased our audience reach.

## Inclusive Organization

Space camp and diversity awareness programs continue to flourish throughout the organization.

## Knowledge Source

SWE is represented on Building Engineering and Science Talent panel as an expert on Pre-K through 12 career guidance programs. This panel was formed to follow up on recommendations made by the Commission for the Advancement of Women and Minorities in Math, Science, Engineering and Technology (CAWMSET).

## Leadership

An executive women's leadership summit was held in Washington, DC, that brought executive level women in engineering and technology together.

FY2002 was a terrific year, and I thank every member, staff and our dedicated SWE leaders for their participation and help in furthering our mission. It was an honor to serve as your president.

Shelley A.M. Wolff, PE  
FY2002 President



The Society's fiftieth anniversary just two short years ago was a great illustration of the many faces of SWE. Not only did we celebrate growing from a handful of women engineers and engineering students to a robust organization of 15,000, but also we were proud to serve under the leadership of our first African American President, Sherita Ceasar. From a few sections in the Northeast, we have grown to an organization that has members throughout the United States and in twenty-two countries.

SWE can be very proud of its three-fold mission and of the wealth of its programs in education and outreach, professional development, career guidance, program development grants, student and re-entry scholarships, the awards and recognition program, an award-winning magazine, a first-rate conference, and the archives collection.

Over the past two years, we have emphasized the strengthening of partnerships with corporate supporters and forged new relationships with allied societies. Strategic planning has taken a dominant role with layers of facilitated sessions among sectors of stakeholders, a new vision for accomplishing SWE's mission and goals, and a fresh grasp of what the Board of Directors and Council of Representatives should look like.

## Reforming the Engineering Community

The engineering community, too, has been reforming itself, and looking at new issues and structures. The American Association of Engineering Societies has revamped its governing body structure, and has streamlined committees and programs. The National Academy of Engineering has conducted a survey of outreach programs and public awareness initiatives in the hope of facilitating new partnerships, and supporting focused effort.

Many engineering societies have a new awareness of the untapped potential for women engineers and those from under-represented minorities. The American Society of Mechanical Engineers, the American Society of Civil Engineers, and the Institute of Electrical and Electronic Engineers all have women's committees or boards to address initiatives of inclusion. As many of you know, the annual National Engineers Week activities now include "Introduce a Girl to Engineering Day."

Other groups wishing to partner with SWE in planning outreach initiatives are the Girl Scouts of the USA, Girl's Inc., the Women's Bureau of the US Department of Labor, the National Youth Council sponsored by the National Society of

Manufacturing Engineers, and academic institutions such as the Tufts University School of Engineering.

There are new faces among many of those in the engineering community as well. A number of new executives have arrived on the scene within the engineering community. Dr. John Sofranko replaces Glenn Taylor who retired last year as Executive Director of the American Institute of Chemical Engineers. Dr.

David Belden, who retires as Executive Director of the American Society of Mechanical engineers will be succeeded by Virgil Carter effective July 1st. The American Society of Civil Engineers has announced its search for a successor to Executive Director James Davis whose tenure ends in August.

Other recent organizational changes include the appointment of Everett Chavez to replace Sandra Begay Campbell as executive director of the American Indian Science and Engineering Society, and the designation of Michael Valencia as executive director of the Society of Hispanic Professional Engineers to succeed Leticia Aracely Vidal following a two-year search.

## SWE's New Direction

SWE, too, is shifting gears to bring aboard a new executive director who will come from the engineering and related sectors. This follows the pattern of the American Association of Engineering Societies, the American Institute of Chemical Engineers, the American Society of Civil Engineers, the American Society of Mechanical Engineers, the Institute of Electrical and Electronic Engineers, and the National Society of Black Engineers.

I am very proud to know that the Society's Board of Directors is grateful to me for building a strong foundation for SWE, and that it is now ready to bring in "one of its own" as the official face of the organization. I am honored to have been asked to assist with the search for the new engineering executive and I am proud to have served as SWE's Executive Director and glad that we had this time together.

Gina Ryan, CAE  
Executive Director and CEO



# FY2002 Corporate Members

SWE would like to thank the following Corporate Members for their continuing support of SWE's membership, programs and services.

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Aerospace Corporation\*

Ameritech/SBC

Argonne National Laboratory

Atlantic Research Corporation\*

Bechtel Corporation\*

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Caterpillar, Inc.

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SWE's Corporate members and sponsors help support programs and services, such as the "Girl Scout Tub."

Corning Incorporated\*

DaimlerChrysler Corporation

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Rockwell Automation Corporation

Schlumberger EMR Photoelectric

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Southern Nuclear

Weyerhaeuser Company

*\* Member for 10 years or more*





# Making a Difference . . . With a Little Help From Our Friends

Combine the passion and dedication of SWE members with the resources provided by SWE's corporate sponsors and the result is an innovative set of successful career guidance programs that make a difference for countless girls. The following highlighted projects are samples of the numerous outreach programs made possible by the efforts of SWE members and the generous grants and donations from SWE's corporate partners.

## Engineering in Egypt in the 21st Century

Through an **ExxonMobil Foundation** grant, the San Diego County Section presented Engineering Egypt. In this educational outreach program, seventh and eighth grade students teamed with SWE members to demonstrate simple engineering principles used by the ancient Egyptians.



San Diego's "Engineering Egypt" combined new and ancient engineering principles.

The event was opened by "Hypatia," a SWE member clothed in ancient Egyptian garb. Hypatia described that ancient Egyptians would perceive today's technology as miraculous yet recognize how this technology is based on their own concepts from ancient Egypt.

Like the other projects presented here, the workshops developed by the San Diego County Section are packaged for presentation by other sections. To learn how to present Engineering Egypt, download the kit from [www.swe.org/projects](http://www.swe.org/projects).

## Technology Road Gathering

In partnership with Girls Hope Pittsburgh and through funding from a **Microsoft Equal Access** grant, the Pittsburgh Section organized a five-day Technology Road event. This program brought together at-risk girls from eight cities. Through computer courses, field trips, career night, and a mentoring program, the girls learned about basic scientific concepts, robotics, civil engineering, and amusement park physics.



The Microsoft grant helped bring together girls from eight cities.

## Kansas City Hosts Computer Camp

Through funding from a **Microsoft Corporation Equal Access** grant and the Women's Bureau Region VII, U.S. Department of Labor, the Kansas City Section designed and hosted a Computer Camp. The day-long camp offered twenty low-income middle-school girls with the opportunity for hands-on computer learning. The girls' expertise continued to grow after the camp. Computers, monitors and printers were sent home with the girls. SWE members mentored the girls through weekly phone contact, encouraging them to enroll in high school math and science classes. Follow-up camps were held three times during the school year.



Each camper got a computer and printer to use at home as part of the Kansas City Computer Camp.

Based on the experiences of this successful program, the Kansas City Section has developed a Computer Camp Manual to assist other sections interested in implementing a similar program. The manual can be found at [www.swe.org/projects](http://www.swe.org/projects).

## Discover Engineering

The Wichita Section created both smiles and engineering awareness with Girl Scouts through their Discover Engineering program. Section members developed educational "tubs" for use with the local Girl Scout Council. A tub is a set of four to eight related activities that explores a discipline of engineering. Tubs have been developed for civil, mechanical, electrical, industrial, applications, environmental, and chemical engineering.



The Wichita Section works with area Girl Scouts on the bridge section of the "Girl Scout Tub."

Funding to create the tubs came from a grant from the **ExxonMobil** foundation. The Wichita Section has prepared a detailed guidebook for other sections to use their tub designs or to create additional tubs. The guidebook can be found at <http://www.wichitaswe.org/serv03.htm>

# Recognition of Excellence

To celebrate the progress of women in engineering, the Society has established awards that recognize significant accomplishments during every stage of an engineer's career. In addition, SWE recognizes individual efforts to train and advance women through the engineering profession, and serve as role models for others. Descriptions of these awards and honors and the FY02 recipients are as follows:

## Achievement Award

The Achievement Award is the most prestigious award given by SWE. It is presented to a woman actively engaged in engineering who has made outstanding and sustained achievements in engineering design, production, management, education, or research. The FY02 recipient is **Umit Ozkan**, Professor, Department of Chemical Engineering and Associate Dean of Research in the College of Engineering, Ohio State University.

## Upward Mobility Award

The Upward Mobility Award honors women within the engineering technical management who can serve as role models to other women. The award is presented annually to a woman who has made an outstanding contribution in the field of engineering or technical management, and who has achieved a position of at least general manager or equivalent upper management position. The FY02 recipient is **Dr. Wanda M. Austin**, Senior Vice President, Engineering and Technology Group, The Aerospace Corp.

## Distinguished Engineering Educator Award

The Distinguished Engineering Educator Award is presented to a member of the Society who has demonstrated excellence in teaching and scholarship by inspiring students to reach high levels of accomplishment. The recipients must also have contributed to technical literature, and through active involvement in professional engineering societies, made significant contributions to the engineering profession. The FY02 recipient is **Mary R. Anderson-Rowland, PhD**, Associate Dean-Student Affairs, Arizona State University.

## Rodney D. Chipp Memorial Award

The Rodney D. Chipp Memorial Award was established as a memorial to Rodney D. Chipp, prominent engineer and husband of Dr. Beatrice A. Hicks, the first President of SWE. It recognizes men or corporations who have contributed significantly to the advancement and acceptance of women in engineering. The FY02 recipients are: **Truman T. Bell**, Program Officer at ExxonMobil Foundation; and **Terry E. Shoup, PhD, PE**, Dean of Engineering and Sobrato Chair of Engineering at Santa Clara University.

## Distinguished New Engineer Award

The Distinguished New Engineer Award is presented annually to members of the Society who have demonstrated outstanding performance in both engineering and leadership, as shown by their achievements in their engineering discipline, and leadership in Society activities. The FY02 recipients are: **Anne C. O'Neil, PE**, **Danielle Forget Shield, PE**; **Lynn M. Surdock, PE**; **Diane Lynn Peters, PE**; and **Pamela L. Dingman, PE**.

## Membership Grade of Fellow

The Membership Grade of Fellow is an honor conferred on Society members to recognize outstanding public service in advancing the public's awareness of engineering as a profession for women and exceptional technical contributions in a field of engineering or engineering management. The FY02 recipients are: **Pamela Kay Strong**; **Shelley A.M. Wolff, PE**; **George Brewster**; **Sandra Hyland**; **Janis L. Mantini**; **Deborah J. O'Bannon, PhD**; **Kristy A. Schloss**; and **Elizabeth A. Shanahan**.

## Distinguished Service Award

The Distinguished Service Award recognizes a SWE member who has made a significant contribution to the Society of Women Engineers at the local, regional, and/or national level. Their continuous committed service, leadership and devotion to SWE has enabled the Society to successfully fulfill its mission. Their contributions have become part of the framework upon which SWE has been built. The FY02 recipients are: **Jill Tietjen**, Principal, Technically Speaking; and **Alexis Swoboda**, Petroleum Engineer, US Bureau of Land Management.

## Entrepreneur Award

The Entrepreneur Award honors a SWE member who has chosen to strike out on her own to start and/or maintain her own engineering, scientific or technology-based business, and in doing so, serves as a role model to all women who have ever risked financial security for the possibility of uncertain rewards. The FY02 recipient is **Janice Sands Ash, PE**, President of Ash Engineering.

## Work Life Balance Award

The Work Life Balance Award honors an individual who has demonstrated leadership and initiative in establishing a landmark program for her organization to improve the ability of women engineers and other employees to balance work, family and personal interests. This year's recipient is **Rebecca D. White**, Assistant Vice President, Sain Associates, Inc.



# Professional Section Awards

SWE also celebrates the achievements of our Sections. The following Sections are recognized for the outstanding performance in FY2002.

## CORNING CAREER GUIDANCE INCENTIVE GRANT

Space Coast

## BEST ELECTRONIC NEWSLETTER

Hampton Roads

## ELECTRONIC COMMUNICATION COMMITTEE

Best Member Section Website .....Greatland Alaska

Best Committee/Region/MAL Website.....Region A

## EXXONMOBIL FOUNDATION CAREER GUIDANCE EVENT/SERIES

Small .....New England Shoreline

Medium.....Space Coast

Large.....Santa Clara Valley

## EXXONMOBIL FOUNDATION CAREER GUIDANCE MEDIA AWARD

Pacific Northwest

## LARGEST NET INCREASE

Small.....MAL Region I

Medium .....MAL Region D

Large.....San Diego

## MEMBERSHIP GROWTH

Small.....MAL Region I

Medium .....Orange County

Large .....Rocky Mountain

## MEMBERSHIP PROGRAM

Small .....Greater New Orleans

Medium.....Space Coast

Large:.....New Jersey

## MEMBERSHIP RETENTION

Small .....Central Savannah

Medium.....Central Indiana

Large .....Los Angeles

## MOTOROLA FOUNDATION MULTI-CULTURAL AWARD

Medium.....Space Coast

## NEWSLETTER COMPETITION

Small.....New England

Medium.....Space Coast

Large.....MAL

## PROFESSIONAL DEVELOPMENT PROGRAM

Small .....East Central Iowa

Medium .....Southwest Texas

Large .....Chicago Regional

## PROFESSIONAL DEVELOPMENT EVENT/SERIES

Medium .....LeHigh Valley

Large .....Chicago Regional

## STRATEGIC COMMUNICATION

Small .....East Central Iowa

Medium.....Space Coast

Large .....Baltimore-Washington



# Student Section Awards

SWE is especially proud of the performance of our Student Sections. The outstanding Sections for FY2002 are:

## **BOEING TEAM TECH COMPETITION**

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1st .....University of Central Florida  
2nd .....California Polytechnic State University  
3rd .....Iowa State University

## **CORNING INCENTIVE GRANT**

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1st .....Georgia Institute of Technology  
2nd .....University of California at Los Angeles  
2nd .....University of Wisconsin-Madison

## **ELECTRONIC COMMUNICATION COMMITTEE**

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Best Student Section Website .....University of Michigan  
Best Overall Website .....University of Florida

## **EXXONMOBIL FOUNDATION CAREER GUIDANCE SCRIBE AWARD**

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Georgia Institute of Technology

## **EXXONMOBIL FOUNDATION CAREER GUIDANCE STUDENT A/V AWARD**

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University of Central Florida

## **MOBIL SME BOWL**

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1st .....Region H  
2nd .....Region A  
3rd .....Region E

## **REGIONAL STUDENT NEWSLETTER COMPETITION**

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Region A

## **TECHNICAL PAPER PRESENTATION**

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1st .....Abigail Good  
2nd .....Rebecca Teasley  
3rd.....Stormy Speer

## **MEMBERSHIP PROGRAM**

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Small.....Rutgers University  
Medium.....University of California-Berkeley  
Large .....University of California-Loas Angeles

## **OUTSTANDING NEW STUDENT SECTION**

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University of St. Thomas

## **OUTSTANDING STUDENT SECTION**

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Small

1st.....University of Central Florida  
2nd .....Mississippi State University  
3rd.....Lamar University

Medium

1st.....University of Alabama  
2nd.....Michigan State University  
3rd.....University of California, Berkeley

Large

1st ....California Polytechnic State University, San Luis Obispo  
2nd .....University of Michigan, Ann Arbor  
3rd .....Georgia Institute of Technology

## **STUDENT NET INCREASE**

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Small .....University of Connecticut  
Medium.....University of Maryland  
Large.....California Polytechnic State University

## **STUDENT UPGRADE**

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University of Michigan





# Scholarships

The Society of Women Engineers awarded over 100 individual scholarships with a value of over \$200,000 to women engineering and computer science students across the U.S. The recipients, who received cash awards ranging from \$1,000 to over \$5,000 from a variety of SWE-endowed and corporate-sponsored scholarship funds, were selected from a pool of approximately 3,400 applicants.

## FRESHMEN AND RE-ENTRY SCHOLARSHIPS

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### **The Compaq Computer Corporation Scholarship, est. 1998**

The award of \$1825 is presented annually to an undergraduate student majoring in either engineering or computer science. Recipient: **Mariena Towne**, Carnegie-Mellon University

### **The DuPont Company Scholarship, est. 2000**

Two \$2,000 scholarships are awarded to freshmen majoring in chemical or mechanical engineering and attending eastern U.S. schools. Recipients: **Paschalia Mountziaris**, Princeton University; **Suzan Cox**, Iowa State University.

### **The General Electric Fund Scholarships, est. 1975**

Honors outstanding women engineering students. Three \$1,000 scholarships are renewable for three years. In addition, the General Electric Fund provides a travel grant for each recipient to attend the SWE National Conference. Recipients must be U.S. citizens enrolled in engineering programs. **Darice Chang**, Stanford University; **Laura Shimmin**, Massachusetts Institute of Technology; **Manisha Bahl**, Stanford University.

### **The B.J. Harrod Scholarships, est. 1999**

Honors the dedication and accomplishments of SWE's Managing Director 1984 to 1995. The two \$1,500 scholarships are awarded to students majoring in either engineering or computer science. Recipients: **Celeste Spaans**, Cornell University; **Jessica Lord**, Massachusetts Institute of Technology.

### **The Dorothy M. and Earl S. Hoffman Scholarships, est. 1999**

Established by the Hoffman estate, these scholarships are a testimony to the Hoffmans' long standing commitment to education and career guidance. Preference for three \$3,000 renewable scholarships is given to Bucknell University and Rensselaer Polytechnic Institute students. Recipients: **Kaitlyn Saunders**, Rensselaer Polytechnic Institute; **Jennifer Holmes**, Rensselaer Polytechnic Institute; **Angela Seggio**, Rensselaer Polytechnic Institute; **Meghan Lithgow**, Bucknell University; **Jennifer Michalicek**, Rensselaer Polytechnic Institute.

### **The Admiral Grace Murray Hopper Scholarships, est. 1992**

Honors memory of the "mother of computerized data automation in the naval service." Five \$1,000 scholarships are awarded to female freshmen entering studies of engineering, with a preference given to students in computer-related engineering programs. Recipients: **Celestina Vo**, University of Texas at Austin; **Kathryn Ray**, Texas A&M University; **Michele Nudelman**, Dartmouth College; **Linda Hoang**, Rensselaer Polytechnic Institute; **Jessica Chiafair**, Massachusetts Institute of Technology

### **The B.K. Krenzer Memorial Re-entry Scholarship, endowed 1996**

Through the fundraising efforts of the Members-At-Large (MALs), the \$2,000 scholarship award is a tribute to SWE's 24th President, an avid supporter of MALs, who re-entered the national leadership of SWE after completing a very successful engineering career. Preference is given to degreed engineers returning to the workforce following 2 years of temporary retirement. No recipient.

### **The Lockheed Martin Corporation Scholarship, est. 1996**

Two \$3,000 scholarships are awarded to engineering majors. Recipients: **Marla Stump**, University of Pennsylvania; **Emily Nalven**, The Johns Hopkins University.

### **The New Jersey Scholarship, est. 1999**

Established by the New Jersey section of SWE. \$1,500 is awarded to a New Jersey resident majoring in engineering or science. Recipient: **Elizabeth Haupin**, Florida Institute of Technology.

### **The Past Presidents' Scholarship, est. 1999**

Honors commitment and accomplishments of SWE Past Presidents. Two \$1,500 scholarships are open to freshmen, sophomores, junior, seniors, or graduate engineering students. Recipient: **Vanessa Wood**, Yale University.



# Scholarships (cont.)

## **The Olive Lynn Salembier Scholarship, founded 1978**

Memorializes the Society's 12th President. Recipients may be entering any undergraduate or graduate program, full or part-time. Recipient: **Marcia Ostrowski**, Northern Arizona University.

## **The Meridith Thoms Memorial Scholarship, est. 2001**

\$2,000 scholarships are awarded to freshmen, sophomores, juniors, or seniors in engineering. Recipients: **Jing Tang**, Massachusetts Institute of Technology; **Gina Macchiaroli**, Washington University; **Elizabeth Hager**, Massachusetts Institute of Technology.

## Sophomore, Junior, Senior and Graduate Scholarships

### **ABB Lummus Global Scholarship**

This \$1,000 scholarship is restricted to sophomore or junior students in TX, NC, OH, PA, CA and GA. A chemical, computer, electrical, industrial, civil, or mechanical engineering student must have demonstrated community involvement/volunteerism. Recipient: **Elizabeth Morrell**, North Carolina State University at Raleigh.

### **The Adobe Systems Computer Science Scholarship, est. 2000**

One \$2000 award is given to a junior and one \$1500 award is given to a senior. Preference is given to students in schools in the San Francisco Bay area. Recipients: **Roma Jhaveri**, Stanford University; and **Orna Tarshish**, University of California, Berkeley.

### **The Bechtel Corporation Scholarship, est. 2000**

Two \$1400 awards are presented to a sophomore, junior, or senior in architectural, civil, electrical, environmental, or mechanical engineering. Recipients: **Jillian Gayheart**, Humboldt State University; and **Marie Arroyo**, University of Colorado at Denver.

### **ChevronTexaco Corporation Scholarships, est. 1992**

Six \$2,000 awards are presented to sophomores or juniors in the fields of civil, chemical or petroleum engineering. SWE membership required. Recipients: **Jennifer Seto**, Rutgers, The State University of New Jersey; **Faaiza Rashid**, Lehigh University; **Mariko Suga**, University of New Mexico; **Heather Stanfield**, Arizona State University; **Amanda Stahlnecker**, University of Nebraska-Lincoln; **Anne Cienian**, University of Notre Dame; **Emily Skoro**, University of Portland; **Josie de Lima Prado**, Oregon State University; **Lindsay Kaufman**, University of Iowa; **Mary Larson**, Iowa State University; **Emily Savary**, Kansas State University; **Abigail Beck**, University of Vermont.

### **DaimlerChrysler Corporation Fund Scholarship, est. 1995**

This \$2,000 scholarship awarded to a sophomore in electrical or mechanical engineering includes a travel grant to the National Conference. Recipient: **Anne Nixon**, Rensselaer Polytechnic Institute.

### **David Sarnoff Research Center Scholarship, est. 1988**

This \$1,500 award is presented to a junior in fields of engineering or computer science. Recipient: **Shalaka Bhuskute**, University of Washington.

### **Dell Computer Corporation Scholarship, est. 1994**

Four \$2,000 awards are presented to juniors or seniors in the fields of electrical engineering, computer science, computer engineering, or mechanical engineering. Selection is also based on financial need. Recipients: **Kiti Lako**, DeVry Institute of Technology; **Michelle Verner**, Baylor University; **Elizabeth Hamon**, Dartmouth College; **Jessica Rai**, Kettering University.

### **Delphi Scholarship, est. 2002**

The one \$5,000 award is presented to a sophomore or junior majoring in engineering. This scholarship is limited to students at Michigan State University, University of Michigan, Purdue University at West Lafayette, Kettering University and the University of Dayton. Recipient: **Gayatri Gunda**, University of Dayton.

### **Dorothy Lemke Howarth Scholarships, est. 1991**

Five awards of \$2,000 are awarded to sophomores in any engineering field. Recipients: **Elizabeth Haupin**, Florida Institute of Technology; **Kristyn Jackson**, University of Texas at Arlington; **Barbara McLarnan**, Embry-Riddle Aeronautical University-Dayton; **Cami Johnson**, University of Idaho; **Chandra Bertrand**, California Polytechnic State University, San Luis Obispo.

### **The DuPont Company Scholarship, est. 2000**

Five awards of \$2,000 are given to a sophomore, junior, or senior in the fields of computer engineering or mechanical engineering. Limited to schools in the eastern US. Recipients: **Lisa Pinsent**, University of Cincinnati; **Adina Chuang**, Purdue University at West Lafayette; **Anna Gilbert**, Purdue University at West Lafayette; **Natalie Aronson**, University of Kentucky; **Christine Laliberte**, Northwestern University; **Stormy Speer**, University of Alabama.





#### **Electronics for Imaging, est. 2001**

Four \$4,000 scholarships are awarded to a sophomore, junior, senior, or graduate level student majoring in engineering. Preference is given to students in the San Francisco Bay area. Recipients: **Cynthia Tsao**, University of California, Berkeley; **Mai-Lan Ho**, Stanford University; **Brenna Hearn**, Stanford University; **Clara Shih**, Stanford University.

#### **The Ford Motor Company Scholarship, est. 2002**

One award at \$1000 is awarded to a sophomore majoring in electrical, mechanical, industrial, automotive and manufacturing engineering. Student must have leadership potential. Recipient: **Tiffany DeMar**, University of Tulsa.

#### **General Motors Foundation Scholarships, est. 1991**

This renewable scholarship is awarded to a junior in fields of automotive, electrical, mechanical, chemical, industrial, manufacturing, or materials engineering. Career interest in automotive industry or manufacturing. Recipients must demonstrate leadership potential. Includes a travel grant for SWE National Conference. Recipients: **Lauren Lecuru**, Ohio State University; **Kimberly Sayles**, University of Alabama; **Veronica Garcia**, Massachusetts Institute of Technology.

#### **Ivy Parker Memorial Scholarship**

Based on financial need and awarded to a junior or senior. Recipient: **Diane Davis**, Boise State University.

#### **Judith Resnik Memorial Scholarship, est. 1988**

This scholarship was established in memory of the astronaut and active SWE member who lost her life aboard the space shuttle Challenger. The \$2,500 award is presented to a student entering sophomore, junior, or senior year in aerospace, aeronautical, or astronautical engineering, who is also an active SWE Student member. Recipient: **Sadie Michael**, University of Maryland College Park.

#### **Lillian Moeller Gilbreth Memorial Scholarship, est. 1958**

This scholarship is SWE's oldest scholarship in honor of Dr. Gilbreth, who made many contributions to the fields of industrial engineering and management. The \$6,000 award is presented to a junior or senior engineering student of outstanding potential and achievement. Recipient: **Aruna Venkatesan**, Duke University.

#### **The Lockheed Aeronautics Scholarships, est. 1995**

Two \$1,000 awards are presented to entering juniors majoring in electrical or mechanical engineering. Recipients: **Goldie Katzoff**, The Johns Hopkins University; **Supriya Gupta**, University of Illinois at Urbana-Champaign.

#### **Lydia I. Pickup Memorial Scholarship, est. 2001**

The \$2,000 award is presented to engineering graduate students. Recipient: **Laura Baumberger**, South Dakota State University.

#### **The MASWE Memorial Scholarships, est. 1971**

Established by the Men's Auxilliary of SWE (MASWE), these awards have been augmented significantly in recent years through donations from the Tremont Trust in memory of Winifred White, SWE's first Executive Secretary. Four \$2,000 awards are presented to engineering or computer science students entering sophomore, junior, or senior years and who demonstrate outstanding academic, performance and financial need. Recipients: **Chenara Johnson**, University of Pittsburgh; **Ladan Hagar**, University of California-Santa Barbara; **Jessica Van Pay**, University of Minnesota-Twin Cities; **Santiana Jean-Baptiste**, University of South Florida.

#### **The Meridith Thoms Memorial Scholarship, est. 2001**

\$2,000 scholarships are awarded to freshmen, sophomores, juniors, or seniors in engineering. Recipients: **Michelle Bryant**, Ohio State; **Rachel Dong**, North Carolina State University; **Jamie Mak**, Massachusetts Institute of Technology; **Sindy (Kam Yan) Tang**, California Institute of Technology; **Caroline Twomey**, Massachusetts Institute of Technology; **Anika Watson**, Tulane University.

#### **The Microsoft Corporation Scholarship, est. 1994**

Two \$2500 awards are presented to entering sophomore, junior, or senior students in the fields of computer science or computer engineering. The scholarship may also be awarded to entering masters' students. Recipients: **Elaine Tam**, Northwestern University; **Erin Earl**, University of Washington.

#### **The Past Presidents' Scholarship, est. 1999**

Honors commitment and accomplishments of SWE Past Presidents. Two \$1,500 scholarships are open to freshmen, sophomores, junior, seniors, or graduate engineering students. Recipients: **Trudy Witt**, Tulane University; **Jaime Nivala**, University of Minnesota-Twin Cities.

#### **The Rockwell Corporation Scholarships, est. 1999**

Two \$3,000 scholarships are awarded to minority women engineering students entering their junior year who have demonstrated leadership ability. Recipients: **Algeria Dillard**, Embry-Riddle Aeronautical University-Dayton; **Victoria Lopez**, California State University, Sacramento.



# FY2002 Financials\*

## Society Balance Sheet

	Unrestricted	Temporarily Restricted	2002 Total	2001 Total
Cash/Investments .....	\$3,538,792	\$676,550	\$4,215,342	\$5,688,424
Accounts Receivable.....	267,827	205	268,032	802,177
Prepaid Expenses .....	269,354	0	269,354	22,406
Inventory.....	3,819	917	4,736	10,928
Deposits.....	46,962	0	46,962	46,962
Net Fixed Assets .....	14,561	0	14,561	38,276
<b>Total Assets .....</b>	<b>\$4,141,315</b>	<b>\$677,672</b>	<b>\$4,818,987</b>	<b>\$6,609,173</b>
Liabilities & Accounts Payable.....	\$432,514	\$4,670	\$437,184	\$2,163,326
Deferred Revenues.....	820,227	0	820,227	57,466
Fund Equities.....	2,888,574	673,002	3,561,576	4,388,381
<b>TOTAL LIABILITIES &amp; NET ASSETS.....</b>	<b>\$4,141,315</b>	<b>\$677,672</b>	<b>\$4,818,987</b>	<b>\$6,609,173</b>

## Society Statement of Revenues

	Unrestricted	Temporarily Restricted	2002 Total	2001 Total
<b>REVENUES</b>				
Dues .....	\$430,460	\$0	\$430,460	\$421,897
Other .....	127,189	0	127,189	589,851
Conference.....	0	0	0	2,080,318
Programs and Services.....	116,884	297,832	414,716	379,186
Publications.....	779,572	0	779,572	1,262,473
Net Assets Released from Restrictions.....	481,502	(481,502)	0	0
<b>TOTAL INCOME .....</b>	<b>\$1,935,607</b>	<b>(\$183,670)</b>	<b>\$1,751,937</b>	<b>\$4,733,725</b>

\* Information based on the FY02 financial audit.



## Society Statement of Expenses

	Unrestricted	Temporarily Restricted	2002 Total	2001 Total
<b>EXPENSES</b>				
Management .....	\$202,760	\$0	\$202,760	\$224,078
Administrative.....	832,285	0	832,285	1,384,608
Conference.....	0	0	0	1,558,763
Programs and Services.....	638,722	0	638,722	442,069
Membership .....	337,499	0	337,499	51,495
Publications .....	567,476	0	567,476	828,737
<b>TOTAL EXPENSES.....</b>	<b>\$2,578,742</b>	<b>\$0</b>	<b>\$2,578,742</b>	<b>\$4,489,750</b>
<b>REVENUE—EXPENSES.....</b>	<b>(\$643,135)</b>	<b>(\$183,670)</b>	<b>(\$826,805)</b>	<b>\$243,975</b>

## Consolidated Net Assets

	6/30/02	6/30/01
<b>SOCIETY</b>		
Contingency Reserve* .....	\$2,055,436	\$2,120,879
General Operating .....	483,695	439,771
Annual Conference .....	349,443	971,059
Restricted Grants.....	195,128	321,377
Rodney D. Chipp Memorial* .....	240,027	271,081
Sponsored Scholarships.....	143,063	158,727
Resnik Challenger Medal* .....	55,071	59,711
Motorola Multi-Cultural Program* .....	39,713	45,776
<b>TOTAL SOCIETY NET ASSETS.....</b>	<b>\$3,561,576</b>	<b>\$4,388,381</b>
Scholarship Fund* .....	\$1,674,352	\$1,766,874
Anne Maureen Whitney Barrow Memorial Scholarship* .....	133,369	138,709
Headquarters Fund* .....	1,088,635	1,100,594
<b>TOTAL NET ASSETS .....</b>	<b>\$6,457,959</b>	<b>\$7,394,558</b>

\* Managed by Board of Trustees

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