

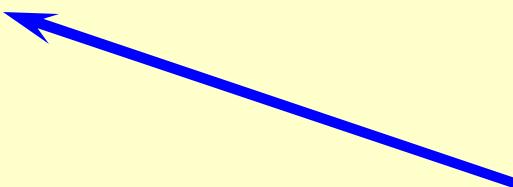
My Year As IEEE Computer Society President

Benjamin W. Wah
University of Illinois, Urbana

Society of Chinese American Professors and Scientists

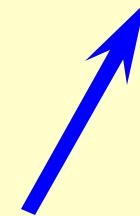
May 25, 2003

IEEE Computer Society



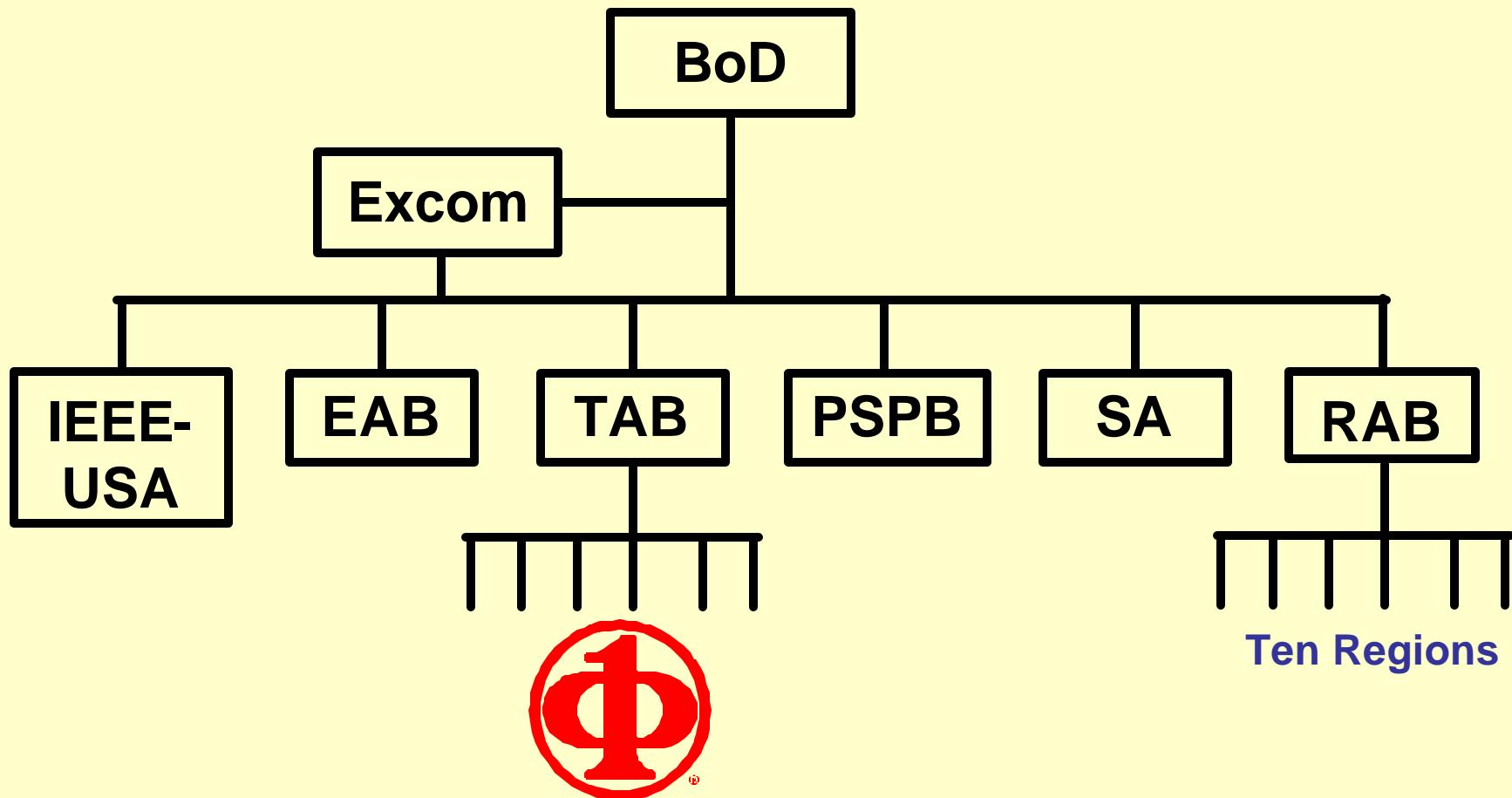
*Institute of Electrical and
Electronics Engineers, Inc.*

IEEE Computer Society



The largest of the societies and councils organized under the IEEE.

IEEE and the Computer Society



*The IEEE Computer Society is
the world's oldest and
largest association
of computing professionals.*

IEEE Computer Society



Vision Statement

**...the leading provider of technical
information and services to the
world's computing professionals.**

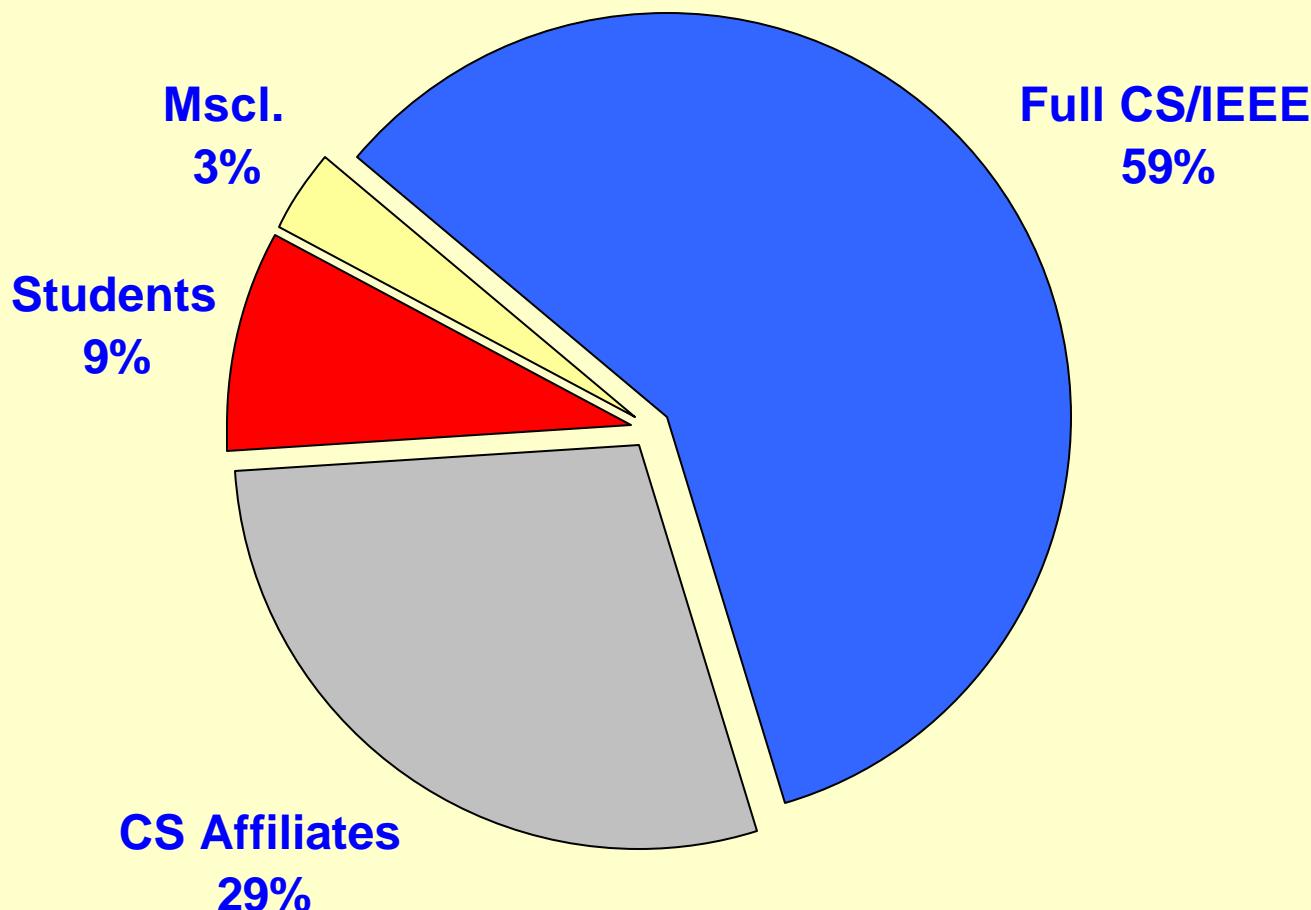
Mission of the IEEE Computer Society

From the Computer Society Constitution

The purposes of the Society shall be scientific, literary, and educational in character. The Society shall strive to advance the theory, practice, and application of computer and information processing science and technology and shall maintain a high professional standard among its members. The society shall promote cooperation and exchange of technical information among its members, and to this end, shall hold meetings for the presentation and discussion of technical papers, shall publish technical journals, and shall, through its organization and other appropriate means, provide for the needs of its members.

CS Membership by Category

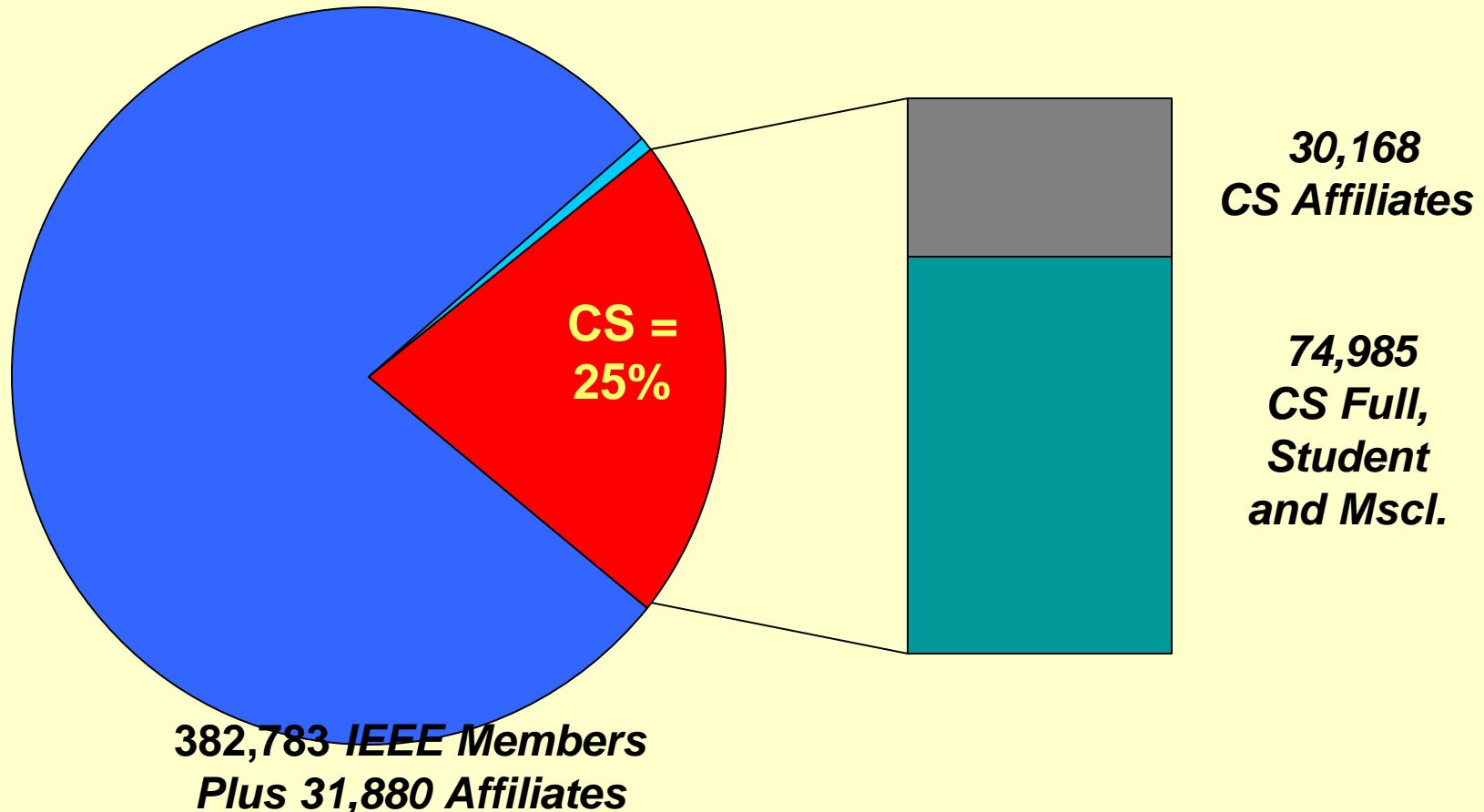
December 2002
Membership = 105,153 (+8%)



IEEE and Society Membership

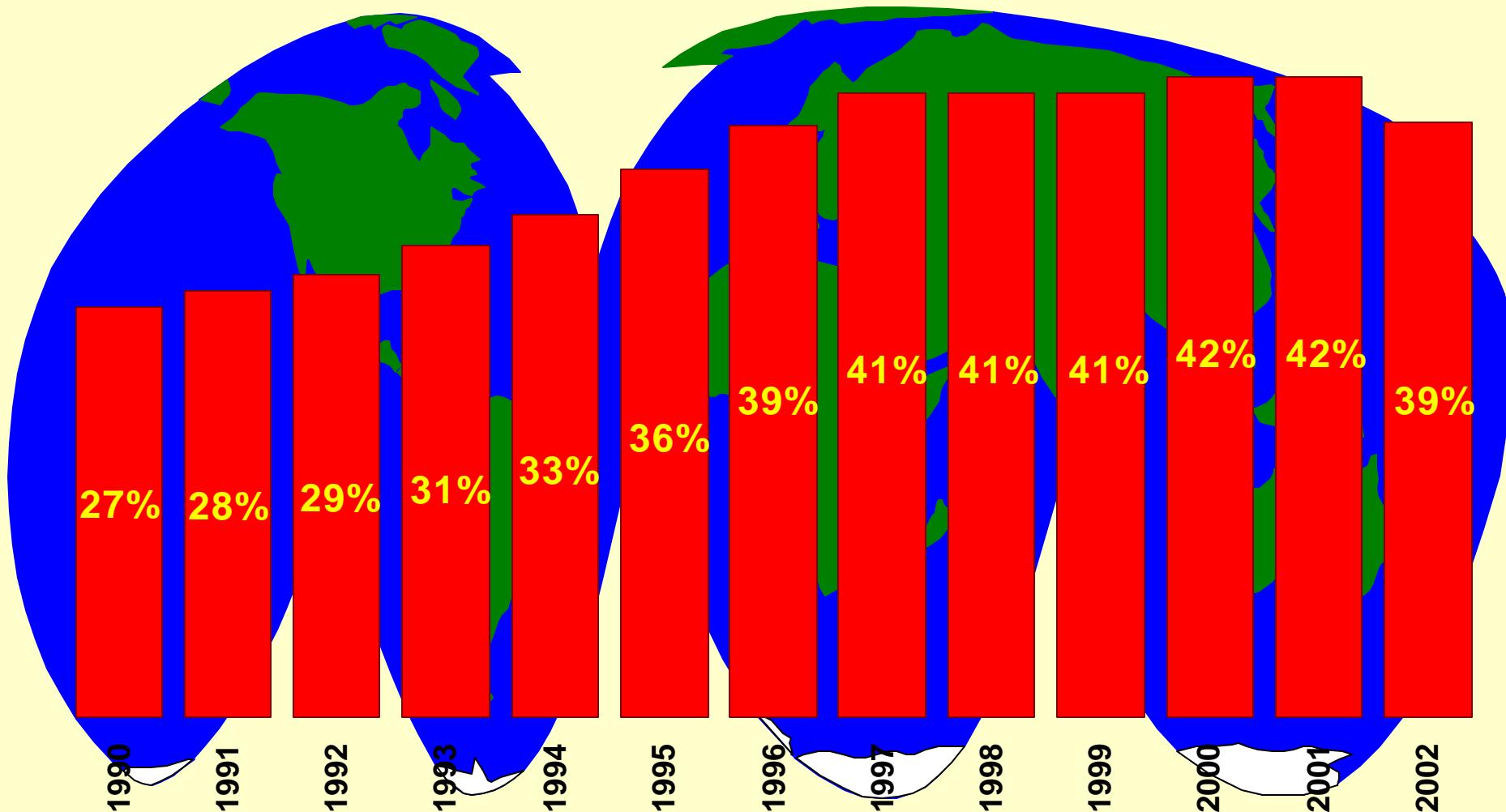
(December 2002)

Total IEEE = 414,363

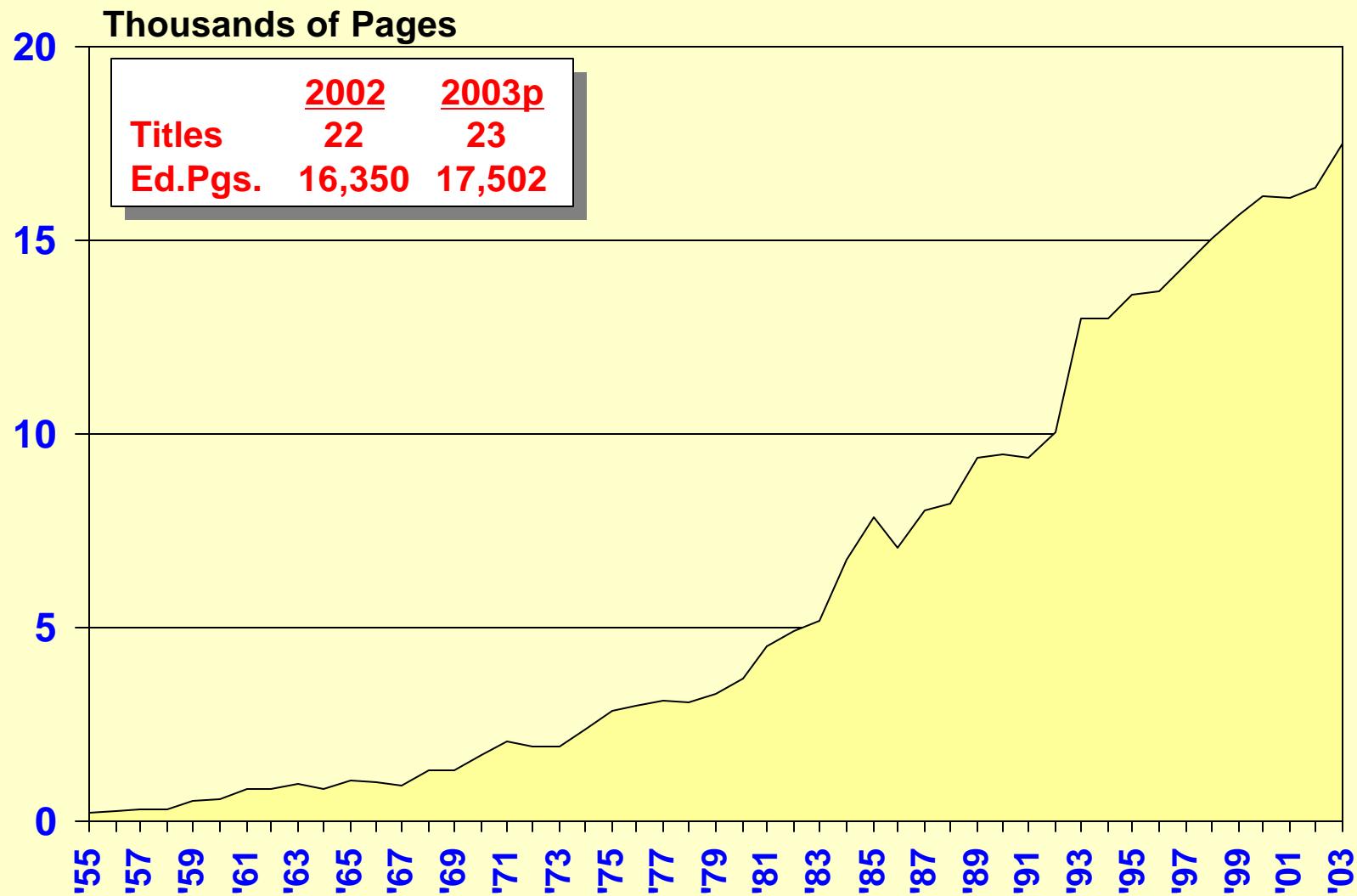


CS is a Global Organization

(Regions 7-10 share of membership)



Editorial Pages for CS Periodicals



Twelve Magazines

Practice-oriented, heavily edited

- *Computer*
- *Computer Graphics and Applications*
- *Micro*
- *Design & Test*
- *Software*
- *Intelligent Systems*
- *MultiMedia*
- *Computing in Science & Engineering*
- *Internet Computing*
- *IT Professional*
- *Pervasive Computing*
- *Security and Privacy*



Ten Transactions

Research-oriented, archival, lightly edited

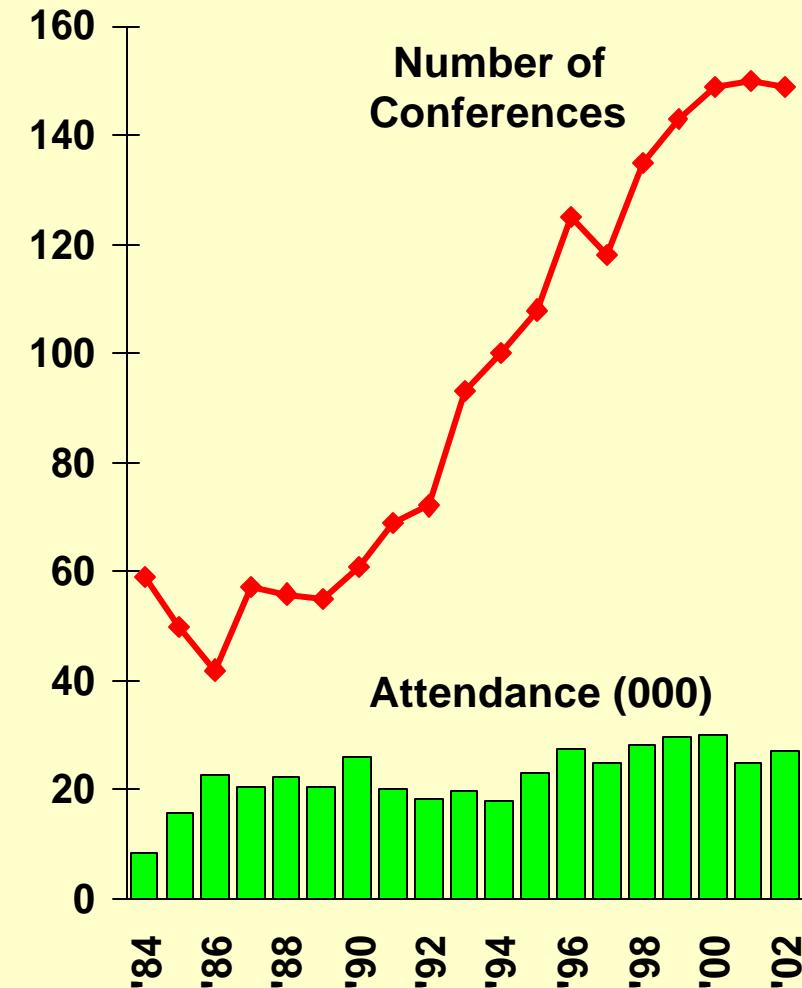
- *Computers*
- *Software Engineering*
- *Pattern Analysis and Machine Intelligence*
- *Knowledge and Data Engineering*
- *Parallel and Distributed Systems*
- *Visualization and Computer Graphics*
- *Very Large Scale Integration Systems*
- *Networking*
- *Multimedia*
- *Mobile Computing*

Plus one hybrid

- *Annals*

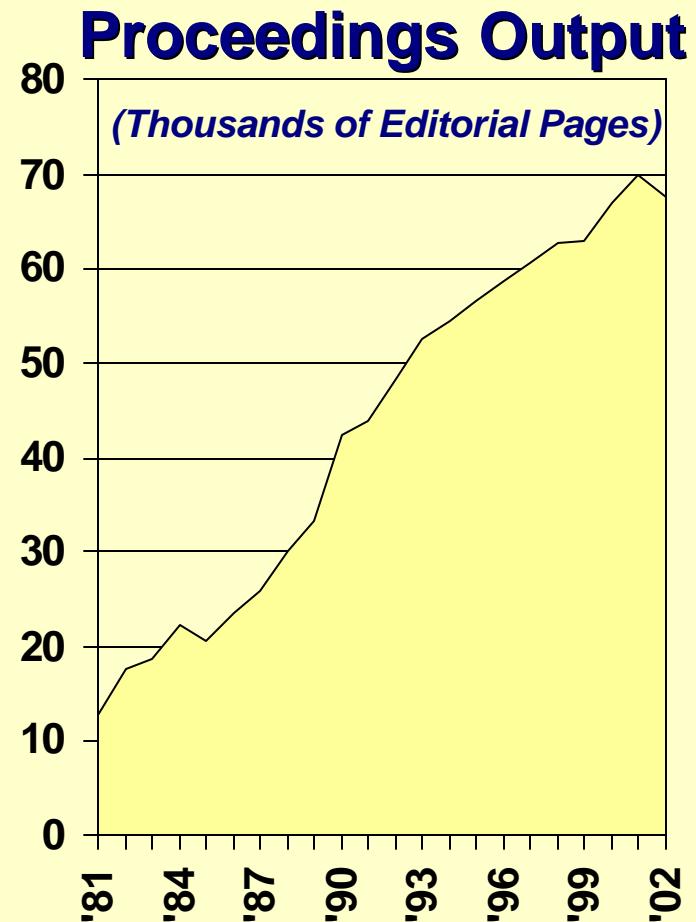
Conference and Tutorials

- 149 conferences
 - 89 sponsored
 - 60 co-sponsored
- 26,900 attendees
- Web registration system
- Services used
 - Registration/finance (41)
 - Credit card processing (15)
 - Site selection (3)



CS Press Activities

- 2002 Proceedings:
 - 150 conferences
 - 157 volumes
 - 15 CD-ROMs
 - 67,577 pages
- Book publishing partnership with Wiley
 - SWE Standards Series
 - Core competencies of computer professionals



Computer.org



Digital Library

IEEE Computer Society Digital Library subscribers: If you are not receiving monthly notification of Digital Library updates via e-mail, please submit the [e-mail address](#) where you would like the notifications to be sent. A single advertisement included in the e-mail notification message helps offset the cost of digital library production and preserve the low member price of IEEE Computer Society Digital Library subscriptions.

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NOTE: You will be asked for your [IEEE Web Account Login](#) when selecting an article or paper for the first time.

Magazines

- ▶ [Computer](#)
- ▶ [Micro](#)
- ▶ [Software](#)
- ▶ [MultiMedia](#)
- ▶ [Security & Privacy](#)
(**NEW in 2003!**)

Transactions

- ▶ [Computers](#)
- ▶ [Software Engineering](#)

- ▶ [Annals of the History of Computing](#)
- ▶ [Design & Test of Computers](#)
- ▶ [Intelligent Systems](#)
- ▶ [IT Professional](#)

- ▶ [Computing in Science &Engineering](#)
- ▶ [Computer Graphics and Applications](#)
- ▶ [Internet Computing](#)
- ▶ [Pervasive Computing](#)

- ▶ [Parallel & Distributed Systems](#)
- ▶ [Visualization & Computer Graphics](#)

IEEE SECURITY & PRIVACY
Building Confidence in a Networked World

New for 2003

Technical Activities

- 36 TCs (2 councils and 34 committees)
- 7 task forces
- Range in size from 100 to 11,000
- 2002 projects
 - Bioinformatics Portal
 - Emerging technologies

Standards Activities

- 10 sponsors
- 200 standards working groups
- SAB Sponsored Projects
 - Computer Dictionary (P610)
 - Internet Best Practices Study Group
- Sponsor vitality reviews

Education Activities

- Computing Curricula (volumes)
 - Overview
 - Computer Science – CCCS
 - Software Engineering – CCSE
 - Computer Engineering – CCCE
 - Information Systems – ISCE
- Accreditation activities
- Frontiers in Education (FIE)
- Pre-college activities
- Continuing education

Chapters Activities

- Over 200 professional and student chapters worldwide
- Financial support
 - Rebates for filing meeting reports
 - Incentives for organizing chapters
 - Start-up funds to reactivate chapters
 - Travel support for speaker program
- Distinguished Visitors Program

Student Activities

- *looking.forward* student newsletter
- Awards and scholarships
 - Larson Award for the best paper
 - Merwin Scholarship for active student chapter leaders
 - Upsilon Pi Epsilon/Computer Society award for academic excellence
- CS International Design Competition



[DISTANCE LEARNING CAMPUS]

NEW MEMBER BENEFIT FOR 2002-
COMING IN FEBRUARY!



ABOUT DISTANCE LEARNING

- ▶ Campus Overview
- Benefits and Features
- Sample Courses

The Distance Learning Campus is a benefit provided FREE to all Computer Society Members.

Not a member?
[Join today!](#)

We appreciate your feedback. Please send comments and questions to
help@computer.org

▶ CAMPUS OVERVIEW

What is the Distance Learning Campus?

The Distance Learning Campus is a new service for members of the IEEE Computer Society. Members may take any of 100 Web-based training courses that cover a variety of computing programs and subjects.

What courses are available?

Courses covered include Java, Cisco, Project Management, CompTIA, HTML, Windows Network Security, Unix, and Visual C++ to name a few.

Benefits and features.

Powered by KnowledgeNet—a leader in online training, distance learning courses give you voiceovers, 3-D graphics, flash animations, on-screen text, and “visual sentences” that turn complex concepts into easy-to-understand images.

How much does it cost?

This new service is FREE to members of the IEEE Computer Society. Not a member? [Join today!](#)

How do I use the Distance Learning Campus?

[MEMBER LOGIN]



The Distance Learning Campus will be available in February 2002.

To take a class, you will need to log in using your IEEE Web Account name and password. Do not forget your password!

Over 30,000 members have used the campus since it launched 1 Feb 2002

Great class. Good work!
Glenare Consulting Systems
Engineering Cisco Systems

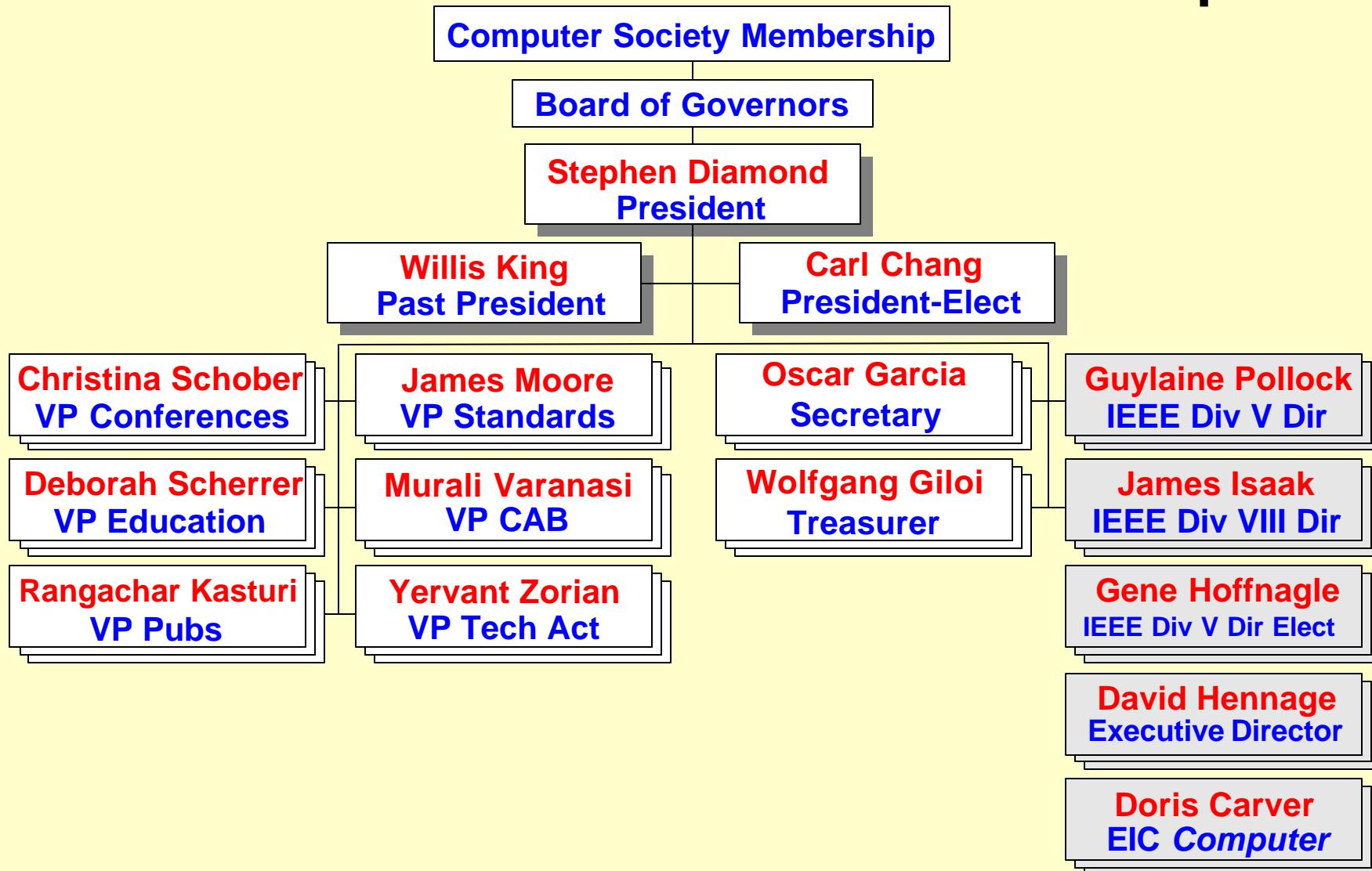
The slides had great animation to clarify complex issues, and the quizzes were fun. I'm recommending

Certification Program

- Certified Software Development Professional (CSDP)
- 2003 Testing Window:
 - 1 April – 30 June
- Member Cost
 - Exam \$250
 - Application fee \$100
- Self-study resource guide available through CS Press
- Working on a distance learning course



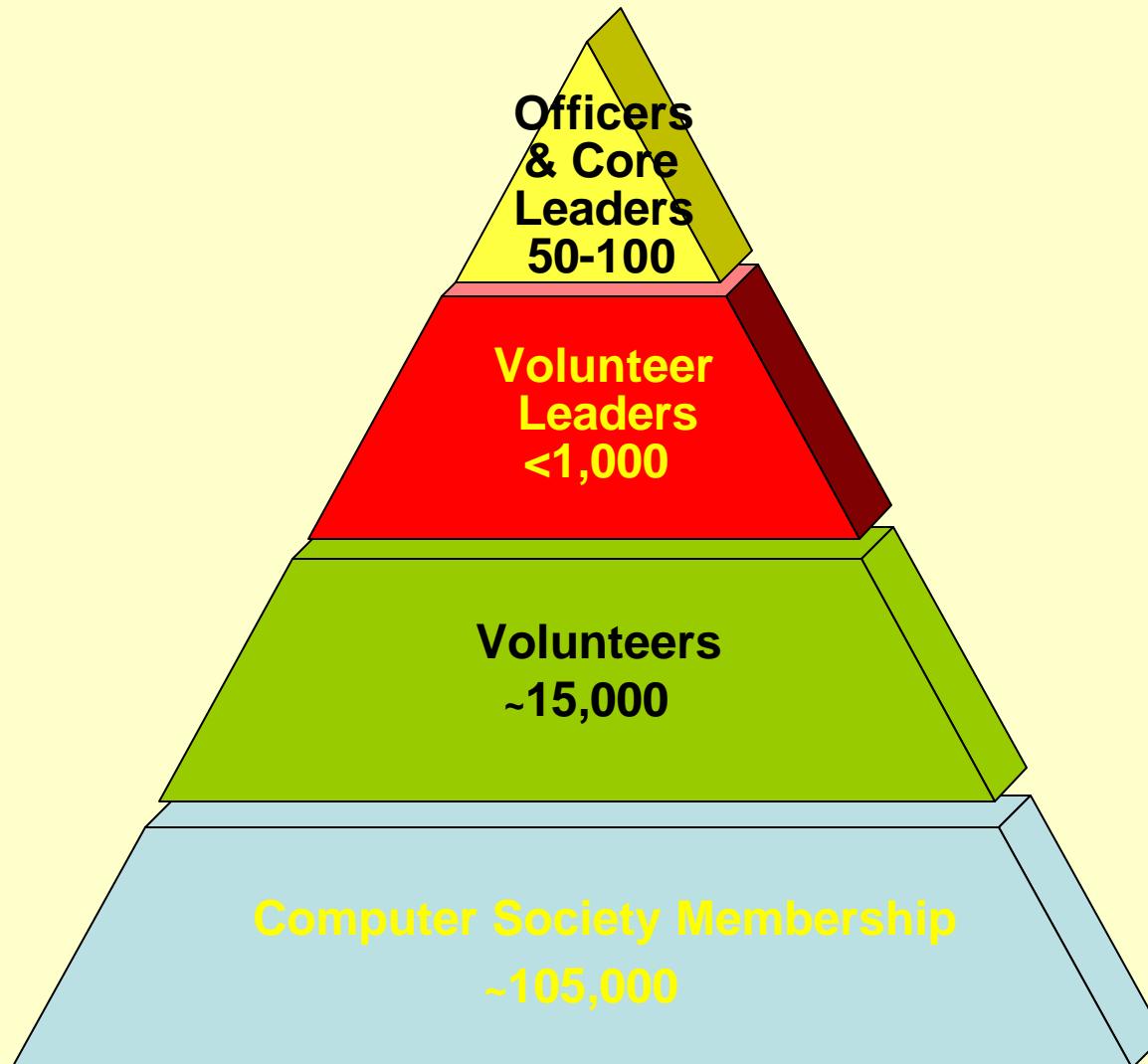
2003 Volunteer Leadership



2001 IEEE-CS Board and Exec Comm



Pyramid of Volunteers & Leaders

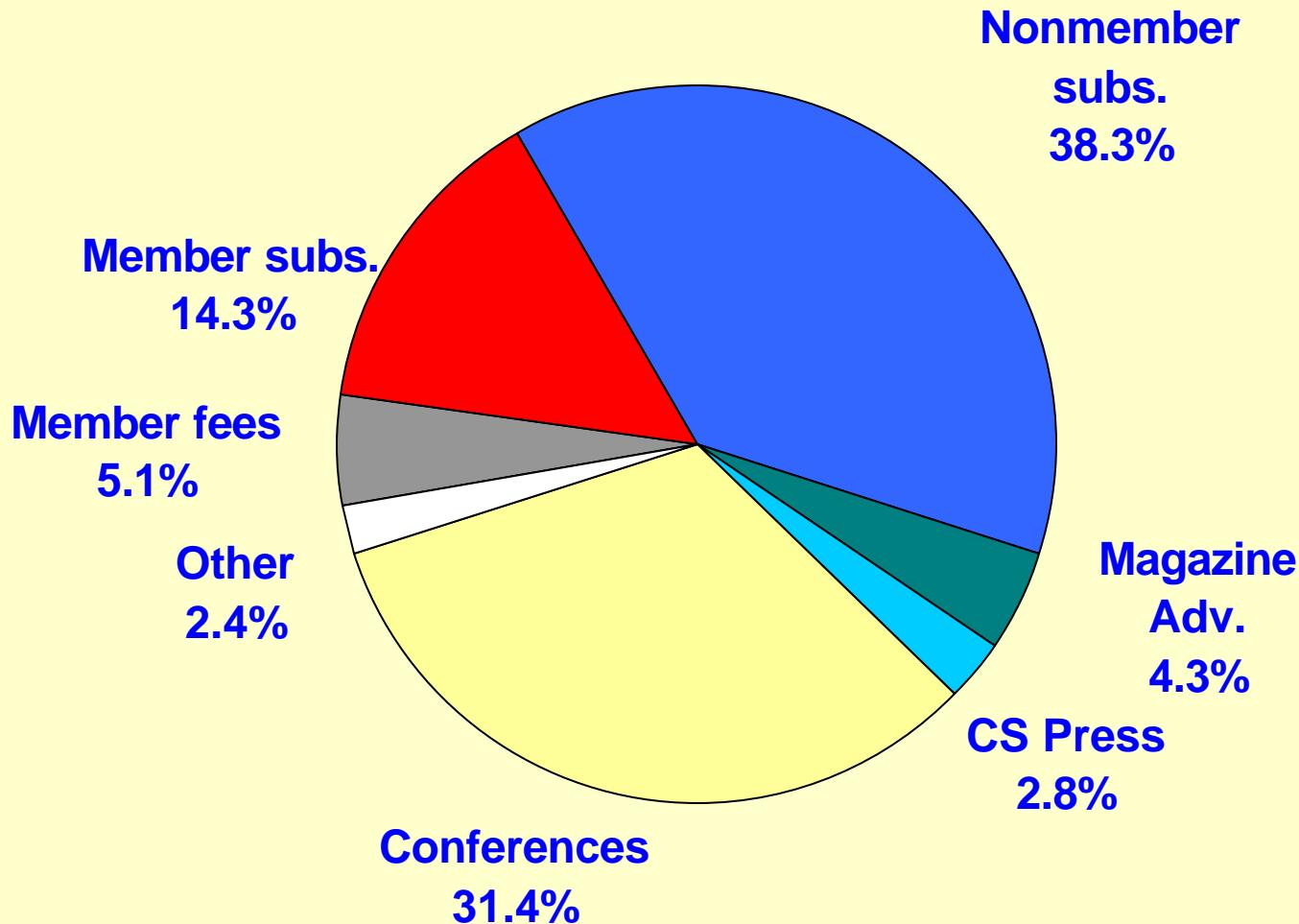


CS Offices and Service Centers



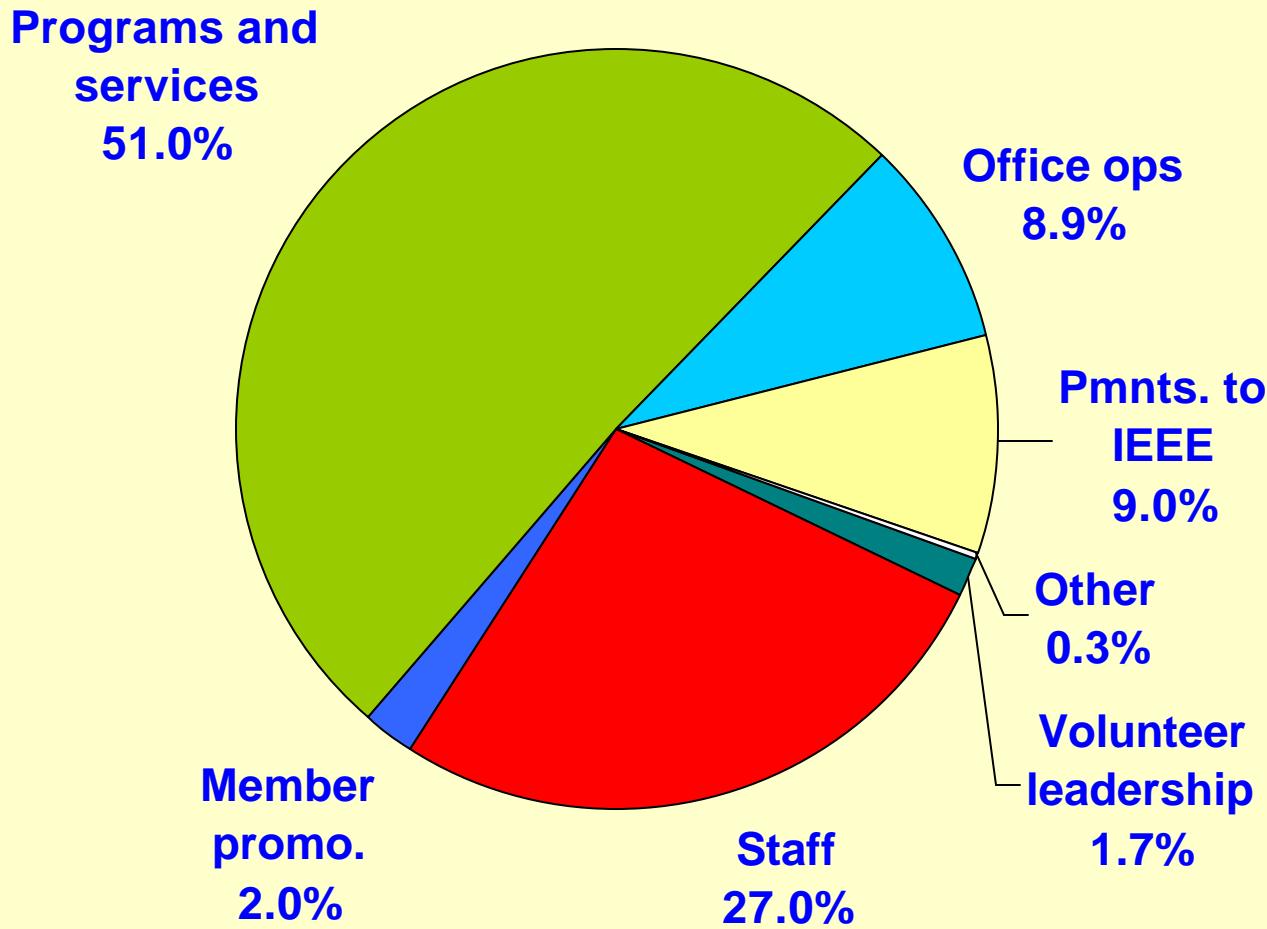
Income Structure

2003 Budget = \$32.6 Million



Expense Structure

2003 Budget = \$29.8 Million



My Experience in 2001

- Chaired many meetings
- Signed many contracts
- Traveled to many places
- Given many awards
- Met many interesting people
- Started some key projects to shape the future of the IEEE Computer Society

Jan Plan 2001 in Cancun

May 25, 2003





Given many
awards



May 25, 2003

Signed many contracts



Given many lectures





May 25, 2005

SOCAPS

Traveled
to many
places

Had too many good meals



Had lots of fun



May 25, 2005

50APS



51



May 25, 2003

Met many interesting people



2001 in Review

- Total Information Provider Project,
 - Master plan of IEEE-CS' electronic future
 - In response to member requests for concise, relevant, and up-to-date technical material in digital format in diverse topical areas
 - Offer broader content from within the total scope of computing literature
 - Synthesize that information to focus on specific technical areas
 - Offers tools to help members address their problem of information overload and their need for access to essential and timely information with anywhere, anytime delivery.

2001 in Review

- New distance learning initiative to significantly enhance the value of IEEE-CS membership
 - Offer all IEEE-CS members free access to hundreds of hours of professionally developed IT-related courses via the Internet
 - Highly successful, leading to increased membership in 2002 and 2003

2001 in Review

- Extended digital library archives from 1988-1994
- Hired a new Executive Director
- Developed strategic partnerships with other IEEE entities
 - Launched two new journals
 - Cosponsored another
 - Developed idea on joint DL on IT
- Started negotiation with GI on bulk subscription to CS digital library
- Helped resolve many differences between IEEE and IEEE-CS that arose in the past