

INSIDE THIS ISSUE

February Membership Results. Addition by Subtraction?Page 1
 IEEE Partnering Display ProgramPage 2
 Membership Data to GoPage 3
 IEEE GOLD Presentation on CDPage 3
 Students Participate in EWeek TeleconferencePage 3
 Membership Statistics.....Pages 4-6

Addition by Subtraction?

As most of you are probably aware, the IEEE “terminator program” was run at the end of February. This program terminates services for members who have not renewed their 2004 IEEE membership and places them into dues arrears. The results of this year’s terminator were that 23,496 Students and 54,367 Higher Grade members have been put into arrears. These individuals are no longer counted in our membership statistics.

Membership Snapshot		
	February 2004	Percent Change
Total Membership	298,900	1.5%
Higher Grade	247,102	0.8%
Students	51,798	5.1%
Society Memberships	301,177	-5.1%

77,863 members!! Wow, that’s a whole lot of people, right?

While this certainly is a lot of members, it also represents a significant *improvement* over the results of last year’s terminator program when 99,426 members were placed into arrears. As a result of this reduced number, IEEE membership levels now stand *above* where they were one year ago. Below you will find the results of the 2004 terminator as compared to last year’s results:

2004 Terminator Results by Region*			
Region	2004	2003	Change
R1	8,311	9,756	-14.80%
R2	6,720	7,730	-13.10%
R3	7,074	7,998	-11.60%
R4	5,433	6,155	-11.70%
R5	6,772	7,790	-13.10%
R6	12,663	15,567	-18.70%
R7	3,416	4,432	-22.90%
R8	12,214	16,134	-24.30%
R9	5,454	7,705	-29.20%
R10	21,303	27,039	-21.20%
Total	89,360	110,306	-19.00%

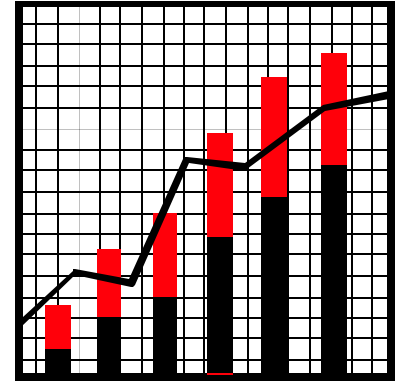
2004 Terminator Results by Grade			
Grade	2004	2003	Change
Fellow	295	595	-50.40%
Sr. Member	1,933	4,131	-53.20%
Member	43,235	43,577	-0.80%
Associate	8,904	20,246	-56.00%
Student	23,496	30,877	-23.90%
Affiliate	11,497	10,880	5.70%
Total	89,360	110,306	-19.00%

* Above statistics include both IEEE Members and Affiliates

Total IEEE membership for February 2004 is 298,900. This is a 1.5% gain over the level of a year ago, and represents the first time in the past 12 months that membership is higher than the previous year. Although it is disappointing that membership levels still remain below pre-2003 levels, this is certainly welcome news and a step in the right direction.

Addition by Subtraction? (continued)

On a geographic basis, the Regions that were hit the hardest last year are showing the strongest rebounds this year. For example, Region 9 is up 7.1% over 2003, with increases in both Students (+16.6%) and Higher Grade members (1.7%). Region 10, which had encountered significant erosion of Students in 2003, is showing a gain in Students of 7.8% this year, and at the same time R10 has also raised its Higher Grade growth to a very strong 8.2%. Region 8 likewise is showing relatively strong numbers for February.



The U.S. Regions, unfortunately, are not faring quite as well. Only one U.S. Region is showing growth over last year – Region 4 with a gain of 50 members (+0.2%). However, the *rate* of change has improved in all six U.S. Regions, and four Regions are showing losses of just 1% or less. It should be noted that the U.S. Regions were again hit relatively hard by losses in the Life member category. There were 2,483 Life members who did not return a renewal profile for 2004 and therefore had their services terminated. Of these, 91% reside in the U.S. While this is only about a third of the number that were affected by last year’s terminator, it is still somewhat higher than might have been anticipated. It would come as no surprise if some of these terminated Life Members restore their memberships as the year progresses.

Higher Grade memberships totaled 247,102 at the end of February. This is 0.8% higher than February 2003. These results are again geographically biased, with all six U.S. Regions showing declines from last year, while all four non-U.S. Regions are showing growth. Overall, U.S. Higher Grade membership dropped 1.3%, while non-U.S. Higher Grade membership grew 5.6%.

Student memberships stand at 51,798, a 5.1% improvement over last year. Seven of the ten Regions are up in their Student membership totals, with both R8 and R9 showing very strong results. Only R1, R3, and R5 are below their February 2003 student levels.

Unfortunately **Society membership** levels continue to be quite disappointing. At the end of February, Society memberships stood at 301,177, which is 5.1% below the levels of last year. At this time, six IEEE Societies are showing growth over 2003, while thirty-one Societies have posted a loss in membership.

At the end of February, 62.6% of our Higher Grade members and 38.9% of our Students belonged to at least one Society. This compares unfavorably to last year when 64.5% of our Higher Grade members and 45.7% of Students held at least one Society membership.

IEEE Partnering Display Program

You’ve been asked to set up an IEEE membership display at your conference, region meeting, or seminar. So where do you start?

You’ll be glad to know that help is nearby - through the IEEE Partnering Display Program. This program can provide you with the tools required to implement a professional-looking membership display that will provide high visibility for IEEE membership recruitment and also help to increase online product awareness. The resources available through this program include:

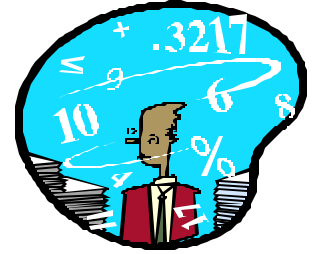


- Professional IEEE display
- IEEE membership applications and promotional gifts
- IEEE brochures, catalogs, flyers and magazines
- IEEE Standards
- Wiley-IEEE Press and IEEE Computer Society books

For more information on this valuable program, contact Beverly Banks at +1 732 562 6859, or send an e-mail to: partnering@ieee.org.

Membership Data to Go

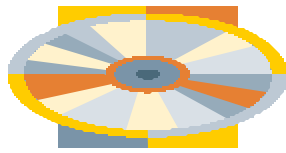
The **2003 Annual Statistics of the IEEE** is now available online. Volunteers and members can access this report from the “Volunteer Resources” or “About the IEEE” pages on the IEEE main Web site, or directly at: <http://www.ieee.org/organizations/corporate/secrpt/>.



This report is published annually and contains a wealth of statistical information about the IEEE and its various operating entities. You will probably want to bookmark the above URL as the Annual Statistics report is a reference tool that you will find yourself using many times throughout the year.

An IEEE Web Account is required to gain access to the report. If you do not have a Web Account, you can obtain one at: <http://www.ieee.org/web/accounts/>.

IEEE GOLD Presentation on CD



The IEEE GOLD Committee has produced a CD that helps to explain the many benefits of IEEE membership, the available services and products, and the rewards of volunteering. The CD is directed at students – particularly those about to graduate – and it contains a Power Point presentation with embedded video clips of GOLD members discussing their experiences with IEEE. Blank slides are included so the presentation can be customized for use by local Sections, Chapters, Affinity Groups, or Student Branches. The CDs are being distributed by mail to all IEEE Section Chairs, Student Branch Chairs & Advisors, GOLD Affinity Group Chairs, and Society & Region Membership Development Chairs.

For additional information on this project, please contact Cathy Dower at: c.downer@ieee.org.

Students Participate in EWeek Teleconference

National Engineers Week (EWeek 2004) was celebrated from 22 February to 28 February of this year. EWeek focuses attention on the engineering profession by engaging IEEE members and the general public to participate in activities for pre-college and undergraduate students. Many IEEE Sections ran successful programs such as the *Future City Competition*, *Introduce a Girl to Engineering Day*, local science fairs and robotic contests. A new activity for 2004 is a series of teleconferences featuring key engineering professionals addressing topics of interest for students getting ready to enter the profession.

The first *Connecting the World* teleconference took place on Tuesday, 24 February 2004, and featured **Alan Boeckmann**, IEEE Senior Member and the Chairman and CEO of Fluor Corporation. Mr. Boeckman spoke to students from the U.S., Canada, South Africa, and Europe on “Engineering in the 21st Century.” **Joseph V. Lillie**, the lead National Engineers Week volunteer for IEEE, served as moderator of the teleconference. The teleconference also featured a question and answer session.

A complete transcript of Mr. Boeckman’s remarks, along with additional information on EWeek activities, can be found at: <http://www.eweek.org/>. Additional teleconferences will be scheduled during 2004.



Geographic IEEE Membership Summary February 2004

Region	Higher Grade Members		Gain/Loss		Student Members		Gain/Loss		Total Members		Gain/Loss	
	2004	2003	(#)	(%)	2004	2003	(#)	(%)	2004	2003	(#)	(%)
1	32,030	32,942	-912	-2.8%	3,555	3,581	-26	-0.7%	35,585	36,523	-938	-2.6%
2	26,635	26,809	-174	-0.6%	3,388	3,348	40	1.2%	30,023	30,157	-134	-0.4%
3	22,288	22,371	-83	-0.4%	4,133	4,314	-181	-4.2%	26,421	26,685	-264	-1.0%
4	17,728	17,764	-36	-0.2%	3,697	3,610	87	2.4%	21,425	21,374	51	0.2%
5	21,961	22,188	-227	-1.0%	3,954	4,000	-46	-1.2%	25,915	26,188	-273	-1.0%
6	47,022	47,762	-740	-1.5%	6,231	5,890	341	5.8%	53,253	53,652	-399	-0.7%
US	167,664	169,836	-2,172	-1.3%	24,958	24,743	215	0.9%	192,622	194,579	-1,957	-1.0%
7	9,640	9,427	213	2.3%	2,942	2,830	112	4.0%	12,582	12,257	325	2.7%
8	32,327	30,874	1,453	4.7%	9,723	8,782	941	10.7%	42,050	39,656	2,394	6.0%
9	4,384	4,309	75	1.7%	2,857	2,451	406	16.6%	7,241	6,760	481	7.1%
10	33,087	30,586	2,501	8.2%	11,318	10,500	818	7.8%	44,405	41,086	3,319	8.1%
Non-US	79,438	75,196	4,242	5.6%	26,840	24,563	2,277	9.3%	106,278	99,759	6,519	6.5%
Total	247,102	245,032	2,070	0.8%	51,798	49,306	2,492	5.1%	298,900	294,338	4,562	1.5%

MEMBERSHIP BY GRADE

Grade	Feb-04	Feb-03	Change	% Change
Honorary	24	24	0	0.0%
Fellow	5,566	5,413	153	2.8%
Senior Member	24,790	23,705	1,085	4.6%
Member	195,520	185,245	10,275	5.5%
Associate	21,202	30,645	-9,443	-30.8%
Student	51,798	49,306	2,492	5.1%
Total	298,900	294,338	4,562	1.5%
Affiliates	19,969	22,604	-2,635	-11.7%

WOMEN IN ENGINEERING

Grade	Feb-04	Feb-03	Change	% Change
Fellow	17	16	1	6.3%
Life members*	40	26	14	53.8%
Sr. Member	118	357	-239	-66.9%
Member	1,004	2,324	-1,320	-56.8%
Associate	113	110	3	2.7%
Student*	5,070	5,818	-748	-12.9%
Total	6,362	8,651	-2,289	-26.5%

* Membership in WIE is free for Life Members and Students

MEMBERSHIP BY DUES CATEGORY*

Category	2004	2003	Change	%Change
Minimum Income	10,743	8,460	2,283	27.0%
Unemployed	6,867	6,726	141	2.1%
Retired	4,464	4,238	226	5.3%
Recent Grad	8,413	6,188	2,225	36.0%
Students	51,593	48,339	3,254	6.7%
Life members	24,560	24,502	58	0.2%
Full Dues Paying	190,448	192,504	-2,056	-1.1%

*For Dues Year from September through August

STANDARDS ASSOCIATION MEMBERSHIP

Grade	Feb-04	Feb-03	Change	% Change
Students	226	739	-513	-69.4%
HG Members	6,364	8,190	-1,826	-22.3%
Affiliates	216	308	-92	-29.9%
Total	6,806	9,237	-2,431	-26.3%

IEEE Society Membership Totals for February 2004

	IEEE Higher GradeMembers		Change		IEEE Student Members		Change		Society Affiliates		Change		Society Totals		Change	
	2004	2003	(#)	(%)	2004	2003	(#)	(%)	2004	2003	(#)	(%)	2004	2003	(#)	(%)
IEEE Societies																
DIVISION I - Circuits & Devices																
Circuits & Systems	9,708	11,243	-1,535	-13.7%	1,342	2,128	-786	-36.9%	25	29	-4	-13.8%	11,075	13,400	-2,325	-17.4%
Components, Packaging & Mfg Tech	2,577	2,671	-94	-3.5%	152	181	-29	-16.0%	7	10	-3	-30.0%	2,736	2,862	-126	-4.4%
Electron Devices	9,671	10,079	-408	-4.0%	893	1,153	-260	-22.5%	18	20	-2	-10.0%	10,582	11,252	-670	-6.0%
Lasers & Electro-Optics	5,860	6,015	-155	-2.6%	1,155	1,253	-98	-7.8%	64	83	-19	-22.9%	7,079	7,351	-272	-3.7%
Solid-State Circuits	9,975	10,571	-596	-5.6%	1,316	1,585	-269	-17.0%	28	23	5	21.7%	11,319	12,179	-860	-7.1%
Subtotal	37,791	40,579	-2,788	-6.9%	4,858	6,300	-1,442	-22.9%	142	165	-23	-13.9%	42,791	47,044	-4,253	-9.0%
DIVISION II - Industrial Applications																
Dielectrics & Electrical Insulation	1,747	1,879	-132	-7.0%	85	86	-1	-1.2%	2	3	-1	-33.3%	1,834	1,968	-134	-6.8%
Industry Applications	8,654	8,752	-98	-1.1%	444	658	-214	-32.5%	3	4	-1	-25.0%	9,101	9,414	-313	-3.3%
Instrumentation & Measurements	3,591	3,609	-18	-0.5%	265	293	-28	-9.6%	11	9	2	22.2%	3,867	3,911	-44	-1.1%
Power Electronics	4,438	4,510	-72	-1.6%	456	602	-146	-24.3%	3	3	0	0.0%	4,897	5,115	-218	-4.3%
Subtotal	18,430	18,750	-320	-1.7%	1,250	1,639	-389	-23.7%	19	19	0	0.0%	19,699	20,408	-709	-3.5%
DIVISION III - Communications																
Communications	31,385	34,203	-2,818	-8.2%	3,666	4,405	-739	-16.8%	274	324	-50	-15.4%	35,325	38,932	-3,607	-9.3%
DIVISION IV - Electromagnetic Compatibility																
Antennas & Propagation	6,414	6,498	-84	-1.3%	765	822	-57	-6.9%	3	6	-3	-50.0%	7,182	7,326	-144	-2.0%
Broadcast Technology	1,583	1,641	-58	-3.5%	151	127	24	18.9%	6	2	4	200.0%	1,740	1,770	-30	-1.7%
Consumer Electronics	2,546	2,505	41	1.6%	225	271	-46	-17.0%	8	12	-4	-33.3%	2,779	2,788	-9	-0.3%
Electromagnetic Compatibility	3,642	3,779	-137	-3.6%	190	206	-16	-7.8%	4	1	3	300.0%	3,836	3,986	-150	-3.8%
Magnetics	2,307	2,278	29	1.3%	172	125	47	37.6%	25	26	-1	-3.8%	2,504	2,429	75	3.1%
Microwave Theory & Techniques	9,496	9,417	79	0.8%	1,179	1,241	-62	-5.0%	6	3	3	100.0%	10,681	10,661	20	0.2%
Nuclear & Plasma Sciences	2,335	2,356	-21	-0.9%	182	201	-19	-9.5%	41	50	-9	-18.0%	2,558	2,607	-49	-1.9%
Subtotal	28,323	28,474	-151	-0.5%	2,864	2,993	-129	-4.3%	93	100	-7	-7.0%	31,280	31,567	-287	-0.9%
DIVISION V/VIII - Computer																
Computer	51,835	54,207	-2,372	-4.4%	6,922	8,003	-1,081	-13.5%	18,644	21,253	-2,609	-12.3%	77,401	83,463	-6,062	-7.3%
DIVISION VI - Engineering & Human Environment																
Education	2,513	2,565	-52	-2.0%	188	199	-11	-5.5%	21	18	3	16.7%	2,722	2,782	-60	-2.2%
Engineering Management	5,210	5,334	-124	-2.3%	316	349	-33	-9.5%	71	74	-3	-4.1%	5,597	5,757	-160	-2.8%
Professional Communication	973	1,044	-71	-6.8%	86	91	-5	-5.5%	108	103	5	4.9%	1,167	1,238	-71	-5.7%
Reliability	1,781	2,021	-240	-11.9%	63	93	-30	-32.3%	7	10	-3	-30.0%	1,851	2,124	-273	-12.9%
Social Implications of Technology	1,416	1,261	155	12.3%	151	133	18	13.5%	25	25	0	0.0%	1,592	1,419	173	12.2%
Subtotal	11,893	12,225	-332	-2.7%	804	865	-61	-7.1%	232	230	2	0.9%	12,929	13,320	-391	-2.9%

IEEE Society Membership Totals for February 2004

	IEEE Higher Grade Members		Change		IEEE Student Members		Change		Society Affiliates		Change		Society Totals		Change	
	2004	2003	(#)	(%)	2004	2003	(#)	(%)	2004	2003	(#)	(%)	2004	2003	(#)	(%)
IEEE Societies																
DIVISION VII - Power Engineering																
Power Engineering	18,133	18,184	-51	-0.3%	1,027	1,069	-42	-3.9%	27	15	12	80.0%	19,187	19,268	-81	-0.4%
DIVISION IX - Signals & Applications																
Aerospace & Electronic Systems	4,142	4,179	-37	-0.9%	372	391	-19	-4.9%	18	19	-1	-5.3%	4,532	4,589	-57	-1.2%
Geoscience & Remote Sensing	1,940	1,888	52	2.8%	252	217	35	16.1%	132	56	76	135.7%	2,324	2,161	163	7.5%
Oceanic Engineering	1,248	1,210	38	3.1%	131	125	6	4.8%	5	4	1	25.0%	1,384	1,339	45	3.4%
Signal Processing	12,183	12,294	-111	-0.9%	1,830	2,041	-211	-10.3%	62	67	-5	-7.5%	14,075	14,402	-327	-2.3%
Ultrasonics, Ferroelectrics, Freq Ctrl	1,770	1,769	1	0.1%	130	135	-5	-3.7%	4	6	-2	-33.3%	1,904	1,910	-6	-0.3%
Vehicular Technology	3,532	3,681	-149	-4.0%	400	454	-54	-11.9%	5	3	2	66.7%	3,937	4,138	-201	-4.9%
Subtotal	24,815	25,021	-206	-0.8%	3,115	3,363	-248	-7.4%	226	155	71	45.8%	28,156	28,539	-383	-1.3%
DIVISION X - Systems & Control																
Control Systems	6,603	6,675	-72	-1.1%	1,051	1,105	-54	-4.9%	14	23	-9	-39.1%	7,668	7,803	-135	-1.7%
Engineering in Medicine & Biology	5,454	5,270	184	3.5%	1,156	1,363	-207	-15.2%	75	68	7	10.3%	6,685	6,701	-16	-0.2%
Industrial Electronics	2,892	2,994	-102	-3.4%	353	397	-44	-11.1%	4	4	0	0.0%	3,249	3,395	-146	-4.3%
Information Theory	3,055	3,305	-250	-7.6%	563	703	-140	-19.9%	17	14	3	21.4%	3,635	4,022	-387	-9.6%
Neural Networks	3,697	3,801	-104	-2.7%	789	701	88	12.6%	106	133	-27	-20.3%	4,592	4,635	-43	-0.9%
Robotics & Automation	3,793	3,684	109	3.0%	1,120	1,086	34	3.1%	45	50	-5	-10.0%	4,958	4,820	138	2.9%
Systems, Man & Cybernetics	2,868	3,004	-136	-4.5%	398	462	-64	-13.9%	49	51	-2	-3.9%	3,315	3,517	-202	-5.7%
Subtotal	28,362	28,733	-371	-1.3%	5,430	5,817	-387	-6.7%	310	343	-33	-9.6%	34,102	34,893	-791	-2.3%
TOTAL	250,967	260,376	-9,409	-3.6%	29,936	34,454	-4,518	-13.1%	19,967	22,604	-2,637	-11.7%	300,870	317,434	-16,564	-5.2%
*Products Safety Engineering	296	0	296		9	0	9		2	0	2		307	0	307	
**Grand Total	251,263	260,376	-9,113	-3.5%	29,945	34,454	-4,509	-13.1%	19,969	22,604	-2,635	-11.7%	301,177	317,434	-16,257	-5.1%

* Products Safety Engineering is a new IEEE Society in the 2004 dues year.

** Grand Total Includes PSS-043

Active IEEE Members as of February 2004						
Grade	With Societies			Without Societies		Total
	Count	%	Avg # of Soc	Count	%	Membership Count
Higher Grade	154,741	62.6%	1.6	92,351	37.4%	247,092
Students	20,139	38.9%	1.5	31,659	61.1%	51,798
Total	174,880	58.5%	1.6	124,010	41.5%	298,890