

# ANNUAL REPORT OF THE SECRETARY

1993



**THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, Inc.**

345 East 47th Street New York, N.Y. 10017-2394, U.S.A.



**IEEE**

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.

To the Board of Directors of  
The Institute of Electrical and Electronics Engineers, Inc.

Dear Members of the Board:

Part I of the Report of the Secretary for 1993 is presented herewith.  
It contains information on:

- IEEE Membership Statistics
- Student Branch Membership Statistics
- Society Membership and Chapter Statistics
- Society Affiliate Statistics
- Member Technical Interest and IEEE Meeting/Conference Activity
- Organization Statistics
- Publications Statistics
- Educational Activities Statistics

Part II of the Report contains annual reports of the Institute's Boards and Committees, on file in Headquarters, the contents of which are summarized in various issues of THE INSTITUTE.

Respectfully submitted,

Souguil J. M. Ann  
Secretary, 1993

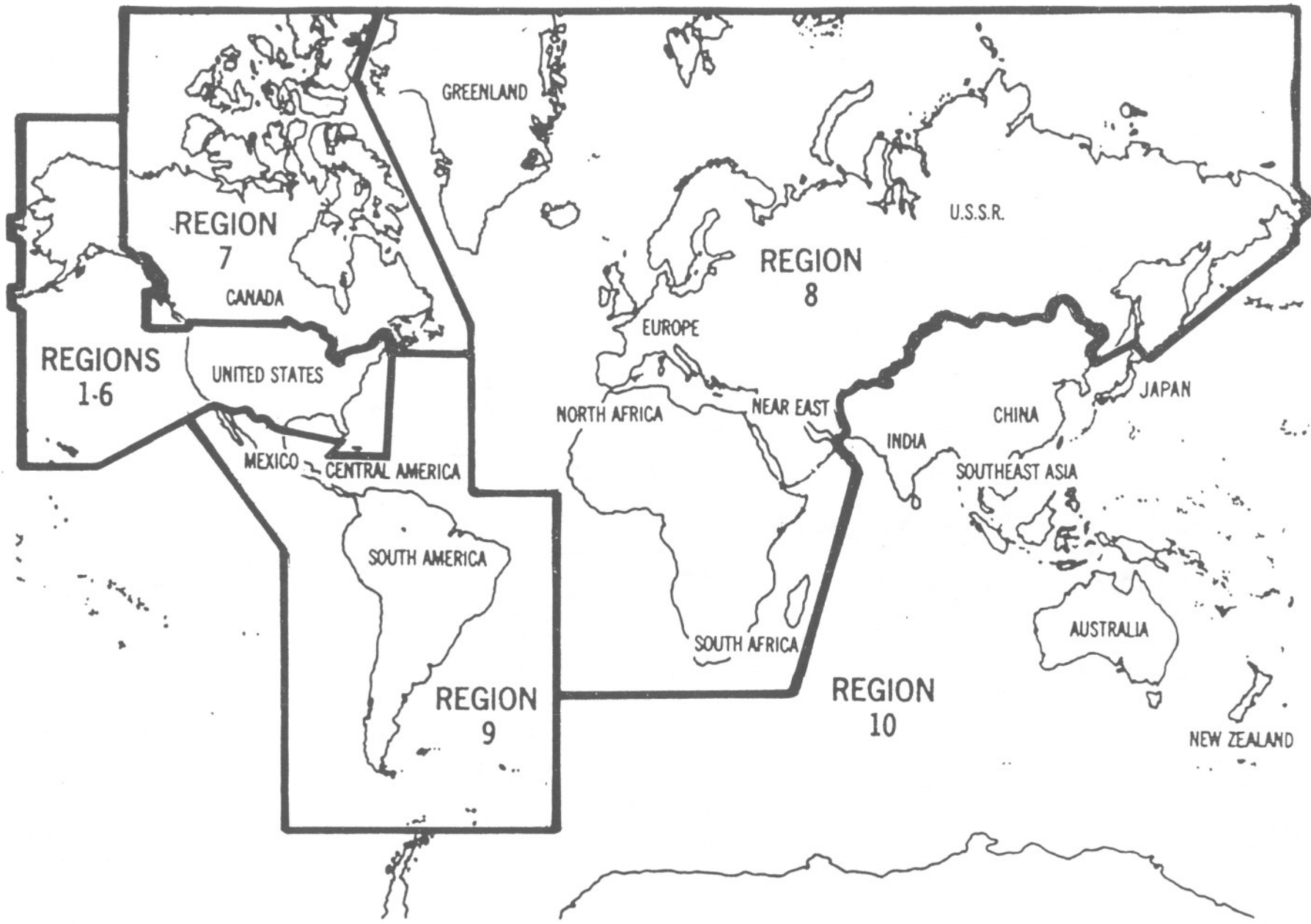
February 1994

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**SECTION A**

**TABLE 1 - IEEE MEMBERSHIP BY REGION AND GRADE**

DECEMBER 31, 1993										
	H	F	SM	M	VOTING MEMBERS	A	HIGHER GRADE SUBTOTAL	S	TOTAL MEMBERSHIP	% OF TOTAL
REGION 1	2	1,104	4,595	33,426	39,127	4,566	43,693	4,339	48,032	15.2
REGION 2	1	663	3,554	26,489	30,707	3,012	33,719	3,724	37,443	11.8
REGION 3		446	3,338	22,363	26,147	2,293	28,440	4,389	32,829	10.4
REGION 4		320	2,010	18,645	20,975	1,895	22,870	4,265	27,135	8.6
REGION 5	1	271	2,137	20,678	23,087	1,860	24,947	4,061	29,008	9.2
REGION 6	5	904	4,928	42,454	48,291	4,384	52,675	4,942	57,617	18.1
REG 1-6 SUBTOTAL	9	3,708	20,562	164,055	188,334	18,010	206,344	25,720	232,064	73.3
REGION 7		151	943	10,010	11,104	1,527	12,631	3,589	16,220	5.1
REGION 8	2	346	1,824	18,632	20,804	2,347	23,151	5,142	28,293	8.9
REGION 9		13	351	4,831	5,195	458	5,653	4,156	9,809	3.1
REGION 10	3	306	1,824	20,026	22,159	1,661	23,820	6,420	30,240	9.6
REG 7-10 SUBTOTAL	5	816	4,942	53,499	59,262	5,993	65,255	19,307	84,562	26.7
TOTAL	14	4,524	25,504	217,554	247,596	24,003	271,599	45,027	316,626	100.0
PERCENTAGE		1.4	8.0	68.7	78.2	7.6	85.8	14.2	100.0	

**TABLE 2 - IEEE MEMBERSHIP BY REGION - 3 YEAR COMPARISON, 1991-1993**

	DECEMBER 31, 1993		DECEMBER 31, 1992		DECEMBER 31, 1991	
	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL
REGION 1	48,032	15.2	49,564	15.5	51,096	15.9
REGION 2	37,443	11.8	38,246	12.0	38,892	12.1
REGION 3	32,829	10.4	33,439	10.5	33,881	10.6
REGION 4	27,135	8.6	27,952	8.7	28,201	8.8
REGION 5	29,008	9.2	29,514	9.2	29,446	9.2
REGION 6	57,617	18.1	58,910	18.4	59,727	18.7
REG 1-6 SUBTOTAL	232,064	73.3	237,625	74.3	241,243	75.3
REGION 7	16,220	5.1	17,067	5.3	17,130	5.3
REGION 8	28,293	8.9	27,202	8.5	25,872	8.1
REGION 9	9,809	3.1	9,479	3.0	8,725	2.7
REGION 10	30,240	9.6	28,547	8.9	27,412	8.6
REG 7-10 SUBTOTAL	84,562	26.7	82,295	25.7	79,139	24.7
TOTAL	316,626	100.0	319,920	100.0	320,382	100.0

**SECTION A**

**TABLE 3 - IEEE LIFE MEMBERS BY GRADE - 3 YEAR COMPARISON**

	<u>DEC. 31, 1993</u>	<u>DEC. 31, 1992</u>	<u>DEC. 31, 1991</u>
FELLOW	2,069	1,979	1,946
SENIOR MEMBER	10,052	9,565	9,254
MEMBER	11,595	10,300	9,427
ASSOCIATE	<u>966</u>	<u>879</u>	<u>820</u>
TOTAL	24,682	22,723	21,447

**TABLE 4 - IEEE WOMEN MEMBERS BY GRADE - 3 YEAR COMPARISON**

	<u>DEC. 31, 1993</u>	<u>DEC. 31, 1992</u>	<u>DEC. 31, 1991</u>
FELLOW	37	30	26
SENIOR MEMBER	281	260	236
MEMBER	10,713	10,807	10,542
ASSOCIATE	1,619	1,617	1,627
STUDENT	<u>5,354</u>	<u>5,199</u>	<u>5,578</u>
TOTAL	18,004	17,913	18,009

**TABLE 5 - IEEE MEMBERSHIP BY GRADE, 1963 - 1993**

<u>YEAR</u>	<u>H</u>	<u>F</u>	<u>SM</u>	<u>M</u>	<u>VOTING MEMBERS</u>	<u>A</u>	<u>HIGHER GRADE SUBTOTAL</u>	<u>S</u>	<u>TOTAL</u>
1963	5	2,589	26,274	82,750	111,618	14,215	125,833	28,676	154,509
1964	5	2,598	26,182	87,435	116,220	13,682	129,902	24,076	153,978
1965	5	2,682	26,387	87,916	116,990	12,949	129,939	24,259	154,198
1966	5	2,759	26,254	97,834	126,852	14,114	140,966	19,104	160,070
1967	4	2,817	25,411	94,746	122,978	12,991	135,969	22,248	158,217
1968	4	2,885	25,023	97,326	125,238	13,200	138,438	23,930	162,368
1969	4	2,917	24,815	101,058	128,794	13,235	142,029	24,319	166,348
1970	4	2,951	24,229	104,053	131,237	13,138	144,375	24,684	169,059
1971	4	3,004	23,802	105,919	132,729	12,766	145,495	20,987	166,482
1972	4	3,019	23,281	108,725	135,029	11,984	147,013	20,210	167,223
1973	4	3,017	22,561	108,854	134,436	11,210	145,646	22,169	167,815
1974	3	3,061	22,422	115,287	140,773	10,955	151,728	21,795	173,523
1975	2	3,058	22,133	119,567	144,760	10,738	155,498	24,318	179,816
1976	2	3,038	21,470	118,507	143,017	10,239	153,256	25,360	178,616
1977	2	3,087	21,207	122,839	147,135	10,603	157,738	25,283	183,021
1978	1	3,238	21,256	126,168	150,663	11,068	161,731	29,643	191,374
1979	1	3,308	21,442	133,775	158,526	11,908	170,434	31,239	201,673
1980	1	3,362	21,742	141,411	166,516	12,514	179,030	34,782	213,812
1981	3	3,406	21,818	147,085	172,312	12,197	184,509	37,238	221,747
1982	6	3,465	22,076	156,240	181,787	12,138	193,925	40,151	234,076
1983	9	3,485	23,044	163,951	190,489	12,730	203,219	45,056	248,275
1984	11	3,547	23,437	173,714	200,709	14,529	215,238	47,413	262,651
1985	12	3,593	23,520	181,438	208,563	17,187	225,750	47,950	273,700
1986	13	3,678	23,704	188,939	216,334	18,483	234,817	47,891	282,708
1987	15	3,748	23,719	198,472	225,954	17,965	243,919	49,210	293,129
1988	14	3,852	23,848	202,721	230,435	21,235	251,670	52,681	304,351
1989	14	3,989	24,084	209,342	237,429	23,249	260,678	52,013	312,691
1990	14	4,135	24,940	214,418	243,507	25,017	268,524	50,703	319,227
1991	13	4,267	25,538	216,018	245,836	24,997	270,833	49,549	320,382
1992	14	4,391	25,621	218,894	248,920	24,816	273,736	46,184	319,920
1993	14	4,524	25,504	217,554	247,596	24,003	271,599	45,027	316,626

**SECTION A**

**TABLE 6 - IEEE MEMBERSHIP CHANGES, BY GRADE, DURING CALENDAR YEAR 1993, 3-YEAR COMPARISON**

	<u>H</u>	<u>F</u>	<u>SM</u>	<u>M</u>	<u>A</u>	<u>HIGHER GRADE SUBTOTAL</u>	<u>S</u>	<u>TOTAL</u>
ACTIVE MEMBERSHIP 12/31/92	14	4,391	25,621	218,894	24,816	273,736	46,184	319,920
ADDITIONS								
ELECTIONS		2	162	15,862	656	16,682	22,749	39,431
DUES ARREARS PAID		194	1,287	20,870	2,841	25,192	4,892	30,084
REINSTATEMENTS		7	96	2,097	255	2,455	737	3,192
TRANSFERS TO		<u>410</u>	<u>1,572</u>	<u>24,438</u>	<u>4,088</u>	<u>30,508</u>	<u>6,042</u>	<u>36,550</u>
TOTAL ADDITIONS	<u>0</u>	<u>613</u>	<u>3,117</u>	<u>63,267</u>	<u>7,840</u>	<u>74,837</u>	<u>34,420</u>	<u>109,257</u>
DELETIONS								
RESIGNATIONS		5	77	790	143	1,015	52	1,067
DECEASED		95	266	361	37	759	4	763
DUES ARREARS		217	1,853	50,744	7,854	60,668	13,503	74,171
TRANSFERS FROM		<u>163</u>	<u>1,038</u>	<u>12,712</u>	<u>619</u>	<u>14,532</u>	<u>22,018</u>	<u>36,550</u>
TOTAL DELETIONS	<u>0</u>	<u>480</u>	<u>3,234</u>	<u>64,607</u>	<u>8,653</u>	<u>76,974</u>	<u>35,577</u>	<u>112,551</u>
ACTIVE MEMBERSHIP 12/31/93	14	4,524	25,504	217,554	24,003	271,599	45,027	316,626
GAIN/LOSS	0	133	-117	-1,340	-813	-2,137	-1,157	-3,294
NET ARREARS	0	23	566	29,874	5,013	35,476	8,611	44,087

DECEMBER 31, 1993

DECEMBER 31, 1992

DECEMBER 31, 1991

ADDITIONS			
ELECTIONS	39,431	42,362	42,414
REINSTATEMENTS	3,192	3,062	2,476
DUES ARREARS PAID	<u>30,084</u>	<u>26,559</u>	<u>32,292</u>
TOTAL ADDITIONS	72,707	71,983	77,182
DELETIONS			
RESIGNATIONS	1,067	1,121	1,078
DECEASED	763	926	588
DUES ARREARS	<u>74,171</u>	<u>70,398</u>	<u>74,361</u>
TOTAL DELETIONS	76,001	72,445	76,027
NET GAIN/LOSS	-3,294	-462	+1,155



## SECTION A

**TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE  
DECEMBER 31, 1993**

## REGION 1

GEOCODE R C S SS	SECTION/SUBSECTION	H	F	SM	M	A	HIGHER GRADE		SUBSECTION TOTAL	SECTION TOTAL
							SUBTOTAL	S		
01 00 01	BERKSHIRE		14	56	112	11	193	9		202
01 00 03	BINGHAMTON		8	72	463	63	606	68		674
01 01 05	BOSTON (CNEC)	1	228	858	7299	847	9233	756		9989
01 01 05 03	MERRIMACK VALLEY (CNEC)		(25)	(133)	(1525)	(195)	(1878)	(77)	(1995)	
01 01 05 01	NORTHSHORE (CNEC)		(6)	(37)	(284)	(30)	(357)	(15)	(372)	
01 00 07	BUFFALO		7	99	602	65	773	174		947
01 00 09	CONNECTICUT		52	338	2716	375	3481	251		3732
01 00 09 05	DANBURY		(5)	(88)	(750)	(104)	(947)	(26)	(973)	
01 00 09 03	NEW LONDON		(7)	(33)	(333)	(29)	(402)	(35)	(437)	
01 00 13	ITHACA		23	23	175	10	231	126		357
01 03 15	LONG ISLAND (METSAC)		68	374	2647	423	3512	167		3679
01 01 17	MAINE (CNEC)		9	50	423	50	532	72		604
01 00 19	MID-HUDSON		24	122	855	98	1099	63		1162
01 00 21	MOHAWK VALLEY		12	82	398	32	524	106		630
01 00 21 01	ST. LAWRENCE INT'L		(4)	(11)	(67)	(10)	(92)	(79)	(171)	
01 01 23	NEW HAMPSHIRE (CNEC)		16	141	1315	178	1650	88		1738
01 03 45	NEW JERSEY COAST (METSAC)		108	335	2069	191	2703	75		2778
01 03 25	NEW YORK (METSAC)		112	515	3806	834	5267	735		6002
01 03 25 03	WESTCHESTER (METSAC)		(70)	(228)	(1354)	(200)	(1852)	(78)	(1930)	
01 03 27	NORTH JERSEY (METSAC)	1	138	544	3620	559	4862	368		5230
01 03 29	PRINCETON-CTRL JERSEY (METSAC)		85	261	2074	314	2734	289		3023
01 01 31	PROVIDENCE (CNEC)		25	111	1073	98	1307	167		1474
01 00 33	ROCHESTER		13	118	1015	127	1273	203		1476
01 00 35	SCHENECTADY		99	226	750	59	1134	204		1338
01 00 37	SPRINGFIELD		13	34	264	22	333	135		468
01 00 39	SYRACUSE		26	112	590	60	788	118		906
01 00 41	VERMONT		10	50	397	57	514	65		579
01 01 43	WORCESTER COUNTY (CNEC)		14	74	763	93	944	100		1044
	<u>REGION 1 TOTALS</u>	2	1104	4595	33426	4566	43693	4339		48032
	<u>COUNCIL TOTALS</u>									
01 01	CENTRAL NE COUNCIL (CNEC)	1	292	1234	10873	1266	13666	1183		14849
01 03	METRO SEC ACT COUNCIL (METSAC)	1	511	2029	14216	2321	19078	1634		20712

## SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE  
DECEMBER 31, 1993

## REGION 2

GEOCODE			SECTION/SUBSECTION	H	F	SM	M	A	HIGHER GRADE		SUBSECTION TOTAL	SECTION TOTAL
R	C	S SS							S	S		
02	00	01	AKRON		5	78	618	69	770	140		910
02	00	21	ALLEGHENY MOUNTAIN		1	7	45	12	65	7		72
02	00	03	BALTIMORE		46	362	3322	289	4019	270		4289
02	00	03 01	ANNAPOLIS		(11)	(94)	(918)	(83)	(1106)	(36)	(1142)	
02	00	07	CENTRAL PENNSYLVANIA		16	62	279	18	375	315		690
02	00	09	CINCINNATI		8	72	672	80	832	93		925
02	00	11	CLEVELAND		27	161	1240	111	1539	192		1731
02	00	13	COLUMBUS		33	161	966	183	1343	300		1643
02	00	13 05	ZANESVILLE			(4)	(12)	(9)	(25)	(10)	(35)	
02	00	15	DAYTON		14	121	1085	101	1321	190		1511
02	00	17	DELAWARE BAY		6	57	383	49	495	48		543
02	00	47	EASTERN SHORE		3	23	130	15	171	10		181
02	00	23	ERIE		2	40	124	17	183	40		223
02	00	25	JOHNSTOWN		1	20	128	23	172	24		196
02	00	27	LEHIGH VALLEY		26	165	1076	138	1405	175		1580
02	00	29	LIMA		2	19	100	10	131	53		184
02	00	31	NORTH CENTRAL OHIO			10	47	10	67	8		75
02	01	49	NORTHERN VIRGINIA (NCAC)		68	491	4696	553	5808	316		6124
02	00	33	OHIO VALLEY			4	78	13	95	9		104
02	00	35	PHILADELPHIA		123	566	4260	455	5404	407		5811
02	00	37	PITTSBURGH	1	80	322	1766	182	2351	470		2821
02	00	37 01	UPPER MONONGAHELA		(2)	(14)	(84)	(19)	(119)	(88)	(207)	
02	00	39	SHARON		1	26	133	17	177	48		225
02	00	41	SOUTHERN NEW JERSEY		3	21	164	19	207	11		218
02	00	43	SUSQUEHANNA		10	71	535	108	724	61		785
02	01	19	WASHINGTON (NCAC)		186	683	4507	529	5905	518		6423
02	01	19 01	WESTERN MARYLAND (NCAC)		(2)	(13)	(203)	(37)	(255)	(9)	(264)	
02	00	45	WEST VIRGINIA		2	12	135	11	160	19		179
			<u>REGION 2 TOTALS</u>		1	663	3554	26489	3012	33719	3724	37443
			<u>COUNCIL TOTALS</u>									
02	01		NATL CAPITAL AREA CNCL (NCAC)		254	1174	9203	1082	11713	834		12547

## SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE  
DECEMBER 31, 1993

## REGION 3

GEOCODE			SECTION/SUBSECTION	H	F	SM	M	HIGHER GRADE		SUBSECTION TOTAL	SECTION TOTAL
R	C	S SS						A	S		
03	00	01	ALABAMA		15	184	796	56	1051	206	1257
03	00	01 01	MONTGOMERY		(8)	(28)	(191)	(13)	(240)	(109)	(349)
03	00	03	ATLANTA		52	303	2690	346	3391	745	4136
03	00	03 05	ATHENS		(1)	(9)	(35)	(3)	(48)	(2)	(50)
03	00	03 01	ROME			(14)	(85)	(9)	(108)	(13)	(121)
03	00	05	BATON ROUGE		1	26	255	17	299	72	371
03	05	89	BROWARD (FC)		11	61	608	96	776	41	817
03	05	07	CANAVERAL (FC)		2	29	224	20	275	8	283
03	00	93	CENTRAL GEORGIA			19	240	18	277	34	311
03	01	67	CENTRAL NORTH CAROLINA (NCC)		2	27	225	25	279	55	334
03	03	81	CENTRAL SAVANNAH RIVER (SCC)			16	222	29	267	24	291
03	09	09	CENTRAL VIRGINIA (VC)		23	90	407	45	565	111	676
03	01	69	CHARLOTTE (NCC)		6	134	562	89	791	84	875
03	01	69 01	HICKORY (NCC)			(17)	(48)	(5)	(70)	(5)	(75)
03	07	11	CHATTANOOGA (TC)		4	80	275	36	395	47	442
03	03	83	COASTAL SOUTH CAROLINA (SCC)		6	47	265	27	345	49	394
03	03	85	COLUMBIA (SCC)		2	51	351	29	433	100	533
03	05	77	DAYTONA (FC)		5	38	146	15	204	8	212
03	07	13	EAST TENNESSEE (TC)		11	110	518	44	683	115	798
03	01	71	EASTERN NORTH CAROLINA (NCC)		50	234	2004	212	2500	408	2908
03	01	71 03	GREENVILLE (NCC)			(15)	(85)	(20)	(120)	(12)	(132)
03	01	71 01	LOWER CAPE FEAR (NCC)		(1)	(13)	(77)	(11)	(102)	(7)	(109)
03	00	15	EVANSVILLE-OWENSBORO			24	242	20	286	64	350
03	00	15 01	PADUCAH			(6)	(38)	(5)	(49)	(18)	(67)
03	05	17	FLORIDA WEST COAST (FC)		71	355	1485	176	2087	149	2236
03	05	21	GAINESVILLE (FC)		15	47	227	17	306	139	445
03	09	23	HAMPTON ROADS (VC)		4	71	655	46	776	96	872
03	00	25	HUNTSVILLE		6	81	1222	95	1404	71	1475
03	05	27	JACKSONVILLE (FC)		2	43	235	35	315	32	347
03	00	97	JAMAICA			5	77	11	93	13	106
03	00	29	LEXINGTON		4	23	321	21	369	69	438
03	00	31	LOUISVILLE		2	44	303	14	363	93	456
03	07	33	MEMPHIS (TC)		1	42	332	42	417	121	538
03	05	35	MIAMI (FC)		17	111	682	82	892	112	1004
03	07	37	MIDDLE TENNESSEE (TC)			32	68	2	102	13	115
03	00	39	MISSISSIPPI		1	34	361	24	420	98	518
03	00	39 01	NE MISSISSIPPI		(1)	(14)	(93)	(2)	(110)	(66)	(176)
03	00	41	MOBILE		2	17	173	14	206	66	272
03	07	43	NASHVILLE (TC)		12	65	372	31	480	204	684
03	00	45	NEW ORLEANS		2	100	716	55	873	138	1011
03	05	57	NORTHWEST FLORIDA (FC)		1	39	333	15	388	22	410
03	07	49	OAK RIDGE (TC)		5	29	148	9	191	9	200
03	05	51	ORLANDO (FC)		17	139	920	99	1175	112	1287
03	05	53	PALM BEACH (FC)		21	142	862	99	1124	49	1173
03	03	87	PIEDMONT (SCC)		12	61	442	33	548	115	663
03	09	59	RICHMOND (VC)		6	70	540	64	680	24	704
03	00	61	SAVANNAH		9	19	119	13	160	18	178
03	05	95	SO BREVARD INDIAN RIVER (FC)		12	78	743	53	886	65	951
03	05	55	TALLAHASSEE AREA (FC)		5	26	222	15	268	69	337

## SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE  
DECEMBER 31, 1993

REGION 3 (cont'd)

<u>GEO CODE</u>									<u>HIGHER GRADE</u>		<u>SUBSECTION</u>	<u>SECTION</u>	
<u>R</u>	<u>C</u>	<u>S</u>	<u>SS</u>	<u>SECTION/SUBSECTION</u>	<u>H</u>	<u>F</u>	<u>SM</u>	<u>M</u>	<u>A</u>	<u>SUBTOTAL</u>	<u>S</u>	<u>TOTAL</u>	<u>TOTAL</u>
03	07	91		TRI CITIES (TC)		1	25	131	26	183	17		200
03	09	65		VIRGINIA MOUNTAIN (VC)		17	96	343	45	501	275		776
03	01	73		WESTERN NORTH CAROLINA (NCC)		9	45	175	17	246	14		260
03	01	75		WINSTON-SALEM (NCC)		2	26	126	16	170	15		185
<u>REGION 3 TOTALS</u>					446	3338	22363	2293	28440	4389			32829
<u>COUNCIL TOTALS</u>													
03	05			FLORIDA COUNCIL (FC)	179	1108	6687	722	8696	806			9502
03	01			NO CAROLINA COUNCIL (NCC)	69	466	3092	359	3986	576			4562
03	03			SO CAROLINA COUNCIL (SCC)	20	175	1280	118	1593	288			1881
03	07			TENNESSEE COUNCIL (TC)	34	383	1844	190	2451	526			2977
03	09			VIRGINIA COUNCIL (VC)	50	327	1945	200	2522	506			3028

## SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE  
DECEMBER 31, 1993

## REGION 4

GEOCODE				SECTION/SUBSECTION					HIGHER GRADE	SUBSECTION	SECTION	
R	C	S	SS	H	F	SM	M	A	SUBTOTAL	S	TOTAL	TOTAL
04	00	01				19	159	16	194	34		228
04	00	45			2	39	312	47	400	86		486
04	00	03			4	61	382	22	469	93		562
04	00	05			54	78	464	34	630	286		916
04	00	07			37	178	1285	141	1641	484		2125
04	00	07	01	BLOOMINGTON	(3)	(18)	(135)	(18)	(174)	(13)	(187)	
04	00	09		CENTRAL IOWA	13	51	273	14	351	219		570
04	00	11		CHICAGO	67	484	4811	570	5932	505		6437
04	00	11	03	FOX VALLEY	(16)	(147)	(1571)	(164)	(1898)	(63)	(1961)	
04	00	11	05	NORTHWEST	(11)	(172)	(1739)	(183)	(2105)	(102)	(2207)	
04	00	13		FORT WAYNE	1	55	344	25	425	57		482
04	00	15		ILLINOIS VALLEY		18	155	7	180	35		215
04	00	17		IOWA-ILLINOIS	1	34	198	20	253	16		279
04	00	19		MADISON	16	51	459	35	561	255		816
04	00	33		MICHIANA	5	30	296	25	356	98		454
04	00	21		MILWAUKEE	22	151	1326	98	1597	341		1938
04	00	47		MISSOURI SLOPE		9	65	4	78	3		81
04	00	23		NEBRASKA	1	88	505	94	688	104		792
04	00	25		NORTHEAST MICHIGAN	1	19	251	18	289	50		339
04	00	27		NORTHEASTERN WISCONSIN	2	34	439	34	509	177		686
04	00	27	01	UPPER PENINSULA	(1)	(11)	(107)	(6)	(125)	(140)	(265)	
04	00	49		RED RIVER VALLEY	3	21	181	5	210	101		311
04	00	29		ROCK RIVER VALLEY		19	244	17	280	31		311
04	00	31		SIOUXLAND		16	162	15	193	36		229
04	00	35		SOUTHEASTERN MICHIGAN	64	266	2593	269	3192	731		3923
04	00	37		SOUTHERN MINNESOTA	2	16	374	32	424	43		467
04	00	37	01	COULEE	(1)	(2)	(54)	(5)	(62)	(1)	(63)	
04	00	39		TOLEDO	2	57	298	40	397	63		460
04	00	41		TWIN CITIES	22	166	2496	244	2928	326		3254
04	00	43		WEST MICHIGAN	1	50	573	69	693	91		784
				<u>REGION 4 TOTALS</u>	320	2010	18645	1895	22870	4265		27135

## SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE  
DECEMBER 31, 1993

## REGION 5

<u>GE CODE</u>			<u>SECTION/SUBSECTION</u>	<u>H</u>	<u>F</u>	<u>SM</u>	<u>M</u>	<u>A</u>	<u>HIGHER GRADE</u>		<u>SUBSECTION</u>	<u>SECTION</u>
<u>R</u>	<u>C</u>	<u>S SS</u>							<u>SUBTOTAL</u>	<u>S</u>		
05	00	01	ARKANSAS		2	46	300	30	378	29		407
05	00	03	BEAUMONT			16	159	9	184	91		275
05	00	05	CENTRAL TEXAS		41	179	2562	223	3005	467		3472
05	00	07	CORPUS CHRISTI		1	33	203	26	263	43		306
05	00	07 01	RIO GRANDE VALLEY		(1)	(10)	(39)	(4)	(54)	(2)	(56)	
05	00	09	DALLAS	1	46	339	3915	333	4634	243		4877
05	00	11	DENVER		64	348	3052	314	3778	556		4334
05	00	11 01	BLACK HILLS		(2)	(7)	(63)	(1)	(73)	(32)	(105)	
05	00	11 03	CENTENNIAL		(7)	(40)	(366)	(26)	(439)	(118)	(557)	
05	00	13	EL PASO		6	51	381	16	454	201		655
05	00	15	FORT WORTH		9	105	1214	119	1447	222		1669
05	00	45	GALVESTON BAY		5	33	590	44	672	84		756
05	00	17	HOUSTON		28	231	2488	240	2987	540		3527
05	00	17 01	FREEMPORT			(7)	(83)	(4)	(94)	(2)	(96)	
05	00	19	KANSAS CITY		8	147	1187	151	1493	312		1805
05	00	19 01	SPRINGFIELD-JOPLIN		(2)	(14)	(95)	(15)	(126)	(24)	(150)	
05	00	41	LAFAYETTE		4	16	155	11	186	91		277
05	00	21	OKLAHOMA CITY		7	63	421	34	525	117		642
05	00	37	OZARK			32	186	20	238	44		282
05	00	23	PANHANDLE			21	110	5	136			136
05	00	39	PERMIAN BASIN			4	69	9	82	7		89
05	00	43	PIKES PEAK		9	65	813	59	946	138		1084
05	00	25	SAINT LOUIS		29	228	1804	126	2187	452		2639
05	00	25 01	ROLLA		(3)	(14)	(75)	(3)	(95)	(124)	(219)	
05	00	27	SHREVEPORT		1	27	223	17	268	98		366
05	00	27 01	MONROE			(1)	(43)	(2)	(46)	(10)	(56)	
05	00	29	SOUTH PLAINS		5	16	139	6	166	145		311
05	00	31	TULSA		6	85	454	48	593	112		705
05	00	35	WICHITA			52	253	20	325	69		394
<u>REGION 5 TOTALS</u>				1	271	2137	20678	1860	24947	4061		29008

## SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE  
DECEMBER 31, 1993

## REGION 6

GEOCODE			SECTION/SUBSECTION	H	F	SM	M	A	HIGHER GRADE		SUBSECTION TOTAL	SECTION TOTAL
R	C	S SS							SUBTOTAL	S		
06	00	03	ALAMOGORDO-HOLLOMAN			5	35	3	43	3		46
06	00	05	ALASKA		1	19	260	37	317	31		348
06	00	05 03	FAIRBANKS		(1)	(8)	(41)	(3)	(53)	(24)	(77)	
06	00	01	ALBUQUERQUE		31	130	1007	73	1241	163		1404
06	00	07	BOISE		1	22	325	28	376	35		411
06	01	09	BUENAVENTURA (LAC)		6	85	896	106	1093	16		1109
06	01	11	CHINA LAKE (LAC)			14	235	20	269	7		276
06	00	65	EASTERN MONTANA			5	72	7	84	2		86
06	01	13	FOOTHILL (LAC)		12	142	973	127	1254	139		1393
06	00	15	FORT HUACHUCA		1	24	141	13	179	2		181
06	00	17	HAWAII		12	38	532	47	629	50		679
06	00	19	IDAHO		1	14	149	22	186	13		199
06	00	21	LAS VEGAS		3	41	221	24	289	61		350
06	00	71	LOS ALAMOS		7	44	220	17	288	17		305
06	01	23	METROPOLITAN LOS ANGELES (LAC)		35	80	499	49	663	203		866
06	00	25	MONTANA		2	28	154	8	192	44		236
06	00	73	NORTHERN NEVADA		2	40	249	25	316	44		360
06	03	67	OAKLAND-EAST BAY (SFBAC)		72	282	2973	361	3688	412		4100
06	01	27	ORANGE COUNTY (LAC)		42	381	2986	306	3715	206		3921
06	00	31	OREGON		46	263	2158	238	2705	229		2934
06	00	29	PHOENIX		42	344	2723	211	3320	281		3601
06	00	33	RICHLAND		2	59	251	20	332	47		379
06	00	35	SACRAMENTO		18	123	1175	126	1442	286		1728
06	00	35 05	SAN JOAQUIN		(3)	(16)	(157)	(18)	(194)	(23)	(217)	
06	00	37	SAN DIEGO		50	318	2522	240	3130	279		3409
06	01	39	SAN FERNANDO VALLEY (LAC)		20	233	1346	186	1785	127		1912
06	03	41	SAN FRANCISCO (SFBAC)		23	183	1471	238	1917	97		2014
06	03	41 01	REDWOOD EMPIRE (SFBAC)		(5)	(37)	(278)	(37)	(357)	(3)	(360)	
06	01	43	SAN GABRIEL VALLEY (LAC)		29	122	805	68	1024	195		1219
06	01	45	SANTA BARBARA (LAC)		26	88	498	36	648	158		806
06	03	69	SANTA CLARA VALLEY (SFBAC)	5	236	878	10080	1068	12267	669		12936
06	03	69 01	MONTEREY BAY (SFBAC)		(16)	(53)	(421)	(63)	(553)	(75)	(628)	
06	01	47	SANTA MONICA BAY (LAC)		67	152	905	90	1214	175		1389
06	00	49	SEATTLE		48	331	2998	264	3641	318		3959
06	01	51	SOUTH BAY HARBOR (LAC)		22	180	1700	176	2078	146		2224
06	00	53	SPOKANE		5	50	302	22	379	115		494
06	00	55	TUCSON		24	103	570	38	735	133		868
06	00	57	UTAH		13	82	868	73	1036	227		1263
06	00	59	VANDENBERG		3	13	106	12	134	3		137
06	00	61	WENATCHEE		2	12	47	5	66	9		75
<u>REGION 6 TOTALS</u>				5	904	4928	42454	4384	52675	4942		57617
<u>COUNCIL TOTALS</u>												
06	01		LOS ANGELES COUNCIL (LAC)		259	1477	10845	1165	13746	1372		15118
06	03		SF BAY AREA COUNCIL (SFBAC)	5	331	1343	14524	1666	17869	1178		19047

## SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE  
DECEMBER 31, 1993

## REGION 7

GEOCODE R C S SS	SECTION/SUBSECTION	H	F	SM	M	A	HIGHER GRADE	S	SUBSECTION TOTAL	SECTION TOTAL
							SUBTOTAL			
07 03 33	CANADIAN ATLANTIC (ECC)		5	20	177	17	219	20		239
07 05 03	HAMILTON (CCC)		5	46	368	115	534	305		839
07 05 01	KINGSTON (CCC)		6	32	149	6	193	153		346
07 05 05	KITCHENER-WATERLOO (CCC)		9	30	321	61	421	155		576
07 05 07	LONDON (CCC)		2	19	165	44	230	105		335
07 03 09	MONTREAL (ECC)		44	151	1606	141	1942	509		2451
07 01 39	N SASKATCHEWAN (WCC)		4	12	135	6	157	82		239
07 03 35	NEW BRUNSWICK (ECC)			24	178	16	218	66		284
07 03 37	NEWFOUNDLAND-LABRADOR (ECC)		1	13	74	8	96	60		156
07 01 13	NORTHERN CANADA (WCC)			32	466	49	547	167		714
07 03 15	OTTAWA (ECC)		14	144	1646	152	1956	276		2232
07 05 41	PETERBOROUGH (CCC)		2	19	53	17	91	16		107
07 03 17	QUEBEC (ECC)			11	218	16	245	233		478
07 01 19	S SASKATCHEWAN (WCC)			14	98	12	124	57		181
07 03 21	SAINT MAURICE (ECC)			3	31		34	20		54
07 01 23	SOUTHERN ALBERTA (WCC)		3	35	556	107	701	141		842
07 05 25	TORONTO (CCC)		35	152	2188	544	2919	704		3623
07 01 27	VANCOUVER (WCC)		12	106	1115	117	1350	253		1603
07 01 29	VICTORIA (CAN) (WCC)		7	34	170	21	232	110		342
07 01 31	WINNIPEG (WCC)		2	46	296	78	422	157		579
	<u>REGION 7 TOTALS</u>		151	943	10010	1527	12631	3589		16220
	<u>COUNCIL TOTALS</u>									
07 05	CENTRAL CANADA COUNCIL (CCC)		59	298	3244	787	4388	1438		5826
07 03	EASTERN CANADA COUNCIL (ECC)		64	366	3930	350	4710	1184		5894
07 01	WESTERN CANADA COUNCIL (WCC)		28	279	2836	390	3533	967		4500



## SECTION A

TABLE 7-8A - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE  
DECEMBER 31, 1993

## REGION 8

GEOCODE				SECTION/SUBSECTION					HIGHER GRADE		SUBSECTION TOTAL	SECTION TOTAL
R	C	S	SS	H	F	SM	M	A	SUBTOTAL	S		
08	00	37				2	26	331	31	390	153	543
08	00	01				42	139	1429	196	1806	464	2270
08	00	21				16	49	586	104	755	129	884
08	00	65					2	55	3	60	5	65
08	00	73					10	85	7	102		102
08	00	71					6	85	4	95	6	101
08	00	25					4	26	36	390	83	473
08	00	03					3	60	13	261	116	377
08	00	03	01					(15)	(31)	(46)	(18)	(64)
08	00	35					5	26	26	341	115	456
08	00	05					46	130	1186	242	94	1698
08	00	17					51	198	1952	327	640	3168
08	00	29					3	33	36	566	227	793
08	00	51					4	26	3	122	26	148
08	00	27						13	27	180	46	226
08	00	09					22	102	585	77	88	874
08	00	47						14	10	101	6	107
08	00	57					1	5	7	74	11	85
08	00	39						5	9	88	4	92
08	00	11					15	59	889	187	245	1395
08	00	13					2	37	38	399	56	455
08	00	13	07					(4)	(21)	(25)	(3)	(28)
08	00	33					1	47	11	237	16	253
08	00	45						19	59	347	228	575
08	00	61						19	4	237	18	255
08	00	59				1	2	7	2	107	24	131
08	00	43					1	72	48	600	47	647
08	00	43	01					(1)	(2)	(22)	(1)	(23)
08	00	43	05					(26)	(174)	(14)	(4)	(218)
08	00	67					2	8	10	152	44	196
08	00	41					3	26	30	431	64	495
08	00	23					2	34	218	1369	626	1995
08	00	19					19	72	53	823	188	1011
08	00	07					39	85	165	1596	196	1792
08	00	55					1	24	10	330	380	710
08	00	63								70	4	74
08	00	49						24	15	156	27	183
08	00	15				1	58	341	252	3745	615	4360
08	00	53						17	6	138	5	143
08	00	69						5	19	216	40	256
08	00	88						<u>2</u>	<u>62</u>	<u>799</u>	<u>106</u>	<u>905</u>
								<u>2</u>	<u>2347</u>	<u>23151</u>	<u>5142</u>	<u>28293</u>
								346	18632	23151	5142	28293

## SECTION A

TABLE 7-8B - IEEE MEMBERSHIP IN REGION 8 NOT ASSIGNED TO SECTIONS, BY COUNTRY, BY GRADE  
DECEMBER 31, 1993 - 3 YEAR COMPARISON

COUNTRY	H	F	SM	M	A	S	12/31/93	12/31/92	12/31/91
							TOTAL	TOTAL	TOTAL
ALBANIA				24			24	24	
ALGERIA				10		1	11	10	9
ANGOLA				1			1	1	1
BAHRAIN			13	57	7	19	96	79	64
BELARUS				3			3		
BOTSWANA				17	3	1	21	14	13
BULGARIA			3	64	1	13	81	36	24
BURUNDI				1			1	2	2
CAMEROON				3	1		4	5	5
CZECHOSLOVAKIA									37
ESTONIA				8			8	7	
GAMBIA				2			2	1	
GEORGIA				1			1		
GHANA				16	2		18	24	13
GIBRALTAR				2			2	2	2
GUINEA				2	1		3	1	1
ICELAND				44	6	18	68	54	47
IRAQ								2	1
IVORY COAST			1	5	2		8	4	5
JORDAN		2	9	31	3	3	48	52	63
KAZAKHSTAN				1			1		
LATVIA			1	2		1	4	3	
LEBANON			1	8	1	1	11	3	3
LIBERIA				1			1		
LIBYA				14			14	15	19
LITHUANIA				20			20	1	
MADAGASCAR								1	1
MALAWI				3	1		4	7	5
MALTA			2	21	2		25	18	16
MAURITANIA				1			1		
MAURITIUS				34	2	35	71	72	
MOROCCO				9	1	3	13	12	12
QATAR			13	54	4		71	73	70
SENEGAL								1	
SUDAN			2	4			6	12	13
SULTANATE OF OMAN			4	27	3	1	35	25	27
SWAZILAND				3			3	5	5
SYRIA			1	8	1	1	11	11	11
TANZANIA				9		2	11	4	3
TUNISIA			1	7	1	3	12	7	8
YEMEN ARAB REPUBLIC				4			4	5	19
YEMEN PEOPLES DEMOCRATIC REPUBLIC					1		1		1
APO AND FPO			7	156	19	4	186	208	51
MEMBERS NOT ASSIGNED TO IEEE SECTIONS		2	58	677	62	106	905	801	551
MEMBERS ASSIGNED TO IEEE SECTIONS	344	1766	17955	2285	5036		27388	26401	27321
TOTAL, REGION 8	346	1824	18632	2347	5142		28293	27202	25872

## SECTION A

TABLE 7-9A - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE  
DECEMBER 31, 1993

## REGION 9

GEOCODE			SECTION/SUBSECTION	H	F	SM	M	A	HIGHER GRADE		SUBSECTION TOTAL	SECTION TOTAL
R	C	S SS							S	S		
09	00	01	ARGENTINA		1	32	665	72	770	731		1501
09	01	27	BAHIA (BC)			12	80	5	97	17		114
09	01	15	BRASILIA (BC)			2	52	4	58	29		87
09	03	51	CENTRO OCCIDENTE (MC)				40	13	53	37		90
09	00	03	CHILE			13	212	16	241	155		396
09	00	05	COLOMBIA			9	184	17	210	233		443
09	00	05 01	MEDELLIN			(3)	(22)		(25)	(38)	(63)	
09	05	33	COSTA RICA (CAPC)			6	90	9	105	62		167
09	00	29	ECUADOR			4	38	5	47	4		51
09	05	35	EL SALVADOR (CAPC)			9	101	13	123	16		139
09	03	47	GUADALAJARA (MC)			9	91	6	106	69		175
09	05	37	GUATEMALA (CAPC)			7	89	23	119	39		158
09	05	39	HONDURAS (CAPC)				58	2	60	5		65
09	03	07	MEXICO (MC)		3	40	922	106	1071	1080		2151
09	03	07 09	GUANAJUATO (MC)			(1)	(95)	(5)	(101)	(111)	(212)	
09	03	07 11	PUEBLA (MC)			(1)	(27)	(6)	(34)	(57)	(91)	
09	01	49	MINAS GERAIS (BC)			3	65	3	71	29		100
09	03	31	MONTERREY (MC)			12	185	19	216	151		367
09	03	31 01	LAGUNA (MC)				(7)	(4)	(11)		(11)	
09	03	31 05	REYNOSA (MC)				(1)		(1)		(1)	
09	03	31 03	TAMPICO (MC)				(9)		(9)	(1)	(10)	
09	03	41	MORELOS (MC)			4	82	6	92	20		112
09	05	25	PANAMA (CAPC)			19	115	5	139	260		399
09	00	21	PERU			5	193	16	214	241		454
09	07	09	PUERTO RICO & CARIBBEAN (CC)		2	36	507	40	585	160		745
09	01	11	RIO DE JANEIRO (BC)		3	38	137	8	186	46		232
09	01	17	SOUTH BRAZIL (BC)		4	47	331	31	413	98		511
09	01	17 01	CAMPINAS (BC)			(6)	(34)	(3)	(43)	(9)	(52)	
09	00	43	URUGUAY			11	131	3	145	45		190
09	00	19	VENEZUELAN			25	227	17	269	377		646
09	07	45	WESTERN PUERTO RICO (CC)			5	124	4	133	143		276
09	00	99	COUNTRIES OUTSIDE SECTIONS			3	113	15	131	109		240
<u>REGION 9 TOTALS</u>					13	351	4831	458	5653	4156		9809
<u>COUNCIL TOTALS</u>												
09	01		BRAZIL COUNCIL (BC)		7	102	665	51	825	219		1044
09	07		CARIBBEAN COUNCIL (CC)		2	41	631	44	718	303		1021
09	05		CTRL AM PANAMA COUNCIL (CAPC)			41	453	52	546	382		928
09	03		MEXICAN COUNCIL (MC)		3	65	1320	150	1538	1357		2895

## SECTION A

TABLE 7-9B - IEEE MEMBERSHIP IN REGION 9 NOT ASSIGNED TO SECTIONS, BY COUNTRY, BY GRADE  
 DECEMBER 31, 1993 - 3 YEAR COMPARISON

COUNTRY	H	F	SM	M	A	S	12/31/93	12/31/92	12/31/91
							TOTAL	TOTAL	TOTAL
BELIZE				2	1		3	3	2
BOLIVIA				40	4	104	148	68	25
CAYMAN ISLANDS				5			5	4	4
GUYANA			1	3			4	5	5
NICARAGUA				2	1	2	5	5	4
PARAGUAY			2	44	9	1	56	35	33
SURINAME				1			1	2	3
APO AND FPO				16		2	18	16	3
MEMBERS NOT ASSIGNED TO IEEE SECTIONS			3	113	15	109	240	138	79
MEMBERS ASSIGNED TO IEEE SECTIONS		13	348	4718	443	4047	9569	9341	8646
TOTAL, REGION 9		13	351	4831	458	4156	9809	9479	8725

## SECTION A

TABLE 7-10A - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE  
DECEMBER 31, 1993

## REGION 10

GEOCODE R C S SS	SECTION/SUBSECTION	H	F	SM	M	A	HIGHER GRADE SUBTOTAL		SUBSECTION TOTAL	SECTION TOTAL
							S	S		
10 05 61	AUST CAPITAL TERR(ACT) (AUSC)		4	12	151	24	191	50		241
10 01 19	BANGALORE (IC)		5	47	321	15	388	355		743
10 00 73	BANGLADESH			3	66	2	71	4		75
10 00 51	BEIJING		4	334	247	23	608	42		650
10 00 51 01	SHANGHAI			(66)	(26)	(5)	(97)		(97)	
10 01 21	BOMBAY (IC)		6	72	318	60	456	352		808
10 01 37	CALCUTTA (IC)		2	46	168	8	224	64		288
10 07 65	CHANGWON (KC)			1	106	11	118	17		135
10 07 67	DAEJON (KC)		1	12	305	30	348	182		530
10 01 23	DELHI (IC)	1	1	78	242	13	335	193		528
10 01 63	GUJARAT (IC)			10	89	5	104	67		171
10 00 07	HONG KONG		4	55	1734	127	1920	496		2416
10 01 49	HYDERABAD (IC)			24	205	5	234	229		463
10 00 59	INDONESIA			5	228	17	250	89		339
10 00 41	KARACHI			3	101	9	113	20		133
10 01 45	KERALA (IC)			23	135	4	162	110		272
10 01 55	KHARAGPUR (IC)		1	27	43		71	20		91
10 01 33	MADRAS (IC)		2	59	408	16	485	908		1393
10 00 35	MALAYSIA			10	422	23	455	15		470
10 05 09	NEW SOUTH WALES (AUSC)		10	85	1293	76	1464	192		1656
10 03 01	NEW ZEALAND NORTH (NZC)			7	153	14	174	36		210
10 03 39	NEW ZEALAND SOUTH (NZC)		2	12	183	10	207	83		290
10 00 03	PAKISTAN			17	130	9	156	50		206
10 05 53	QUEENSLAND (AUSC)		1	31	484	18	534	220		754
10 05 53 01	NORTH QUEENSLAND (AUSC)			(8)	(67)	(3)	(78)	(12)	(90)	
10 00 15	REPUBLIC OF THE PHILIPPINES			7	112	19	138	70		208
10 07 17	SEOUL (KC)		3	42	998	89	1132	718		1850
10 07 17 01	HONAM (KC)			(5)	(55)	(11)	(71)	(32)	(103)	
10 00 25	SINGAPORE		1	60	1858	121	2040	502		2542
10 05 57	SOUTH AUSTRALIA (AUSC)		1	14	319	16	350	65		415
10 07 69	TAEGU (KC)			3	121	8	132	62		194
10 00 11	TAIPEI			9	61	87	1272	420		1692
10 00 29	THAILAND			14	299	22	335	238		573
10 00 13	TOKYO		2	247	6206	660	7657	269		7926
10 01 71	UTTAR PRADESH (IC)			36	74	4	114	77		191
10 05 43	VICTORIAN (AUSC)			2	46	67	992	117		1109
10 05 47	WESTERN AUSTRALIA (AUSC)			17	276	27	320	82		402
10 00 99	COUNTRIES OUTSIDE SECTIONS			9	239	22	270	6		276
	<u>REGION 10 TOTALS</u>		3	306	1824	20026	1661	23820	6421	30241
	<u>COUNCIL TOTALS</u>									
10 05	AUSTRALIAN COUNCIL (AUSC)			18	205	3399	228	3850	725	4575
10 01	INDIA COUNCIL (IC)	1		17	422	2003	130	2573	2375	4948
10 07	KOREA COUNCIL (KC)			4	58	1530	138	1730	979	2709
10 03	NEW ZEALAND COUNCIL (NZC)			2	19	336	24	381	119	500

## SECTION A

**TABLE 7-10B - IEEE MEMBERSHIP IN REGION 10 NOT ASSIGNED TO SECTIONS, BY COUNTRY, BY GRADE  
DECEMBER 31, 1993 - 3 YEAR COMPARISON**

COUNTRY	H	F	SM	M	A	S	12/31/93	12/31/92	12/31/91
							TOTAL	TOTAL	TOTAL
ASCENSION ISLANDS									1
BANGLADESH								41	26
BHUTAN				2			2	1	
BORNEO/KALAMNTN/BRUNEI/SABAH/SARAWK				34	3		37	31	29
BURMA						1	1		
CAROLINE ISLANDS			1				1	1	
FIJI ISLANDS			2	16		2	20	20	19
GILBERT ISLANDS				1			1		
GUAM			1	17			18	16	11
KAMPUCHEA									1
LAOS				1			1		
MALAGASY REPUBLIC								1	1
MALDIVES				2			2		
MARIANA ISLANDS				3			3	3	6
MARSHALL ISLANDS				1			1		
MAURITIUS									24
MONGOLIA				1			1		
NEPAL			1	2			3	3	4
SEYCHELLES				2			2	2	2
SOLOMON ISLANDS					1	1	2	2	3
SRI LANKA			1	50	2	1	54	64	58
TONGA ISLAND				1			1	1	1
VIETNAM			1	1	2		4	4	3
WAKE ISLAND				2			2	2	2
WESTERN SAMOA			1	1			2	2	1
APO AND FPO			<u>1</u>	<u>102</u>	<u>14</u>	<u>1</u>	<u>118</u>	<u>133</u>	<u>102</u>
MEMBERS NOT ASSIGNED TO IEEE SECTIONS			9	239	22	6	276	328	294
MEMBERS ASSIGNED TO IEEE SECTIONS	306	1815	19787	1639	6413		29963	28219	27118
TOTAL, REGION 10	306	1824	20026	1661	6420		30240	28547	27412

SECTION B

TABLE 1-IEEE STUDENT BRANCHES AND STUDENT BRANCH MEMBERSHIP  
DECEMBER 31, 1993

<u>REGION 1</u>		
<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
BINGHAMTON	*BROOME COMMUNITY COLLEGE	8
	NEW YORK STATE UNIV OF-BINGHAMTON (COMP)	70
BOSTON	BOSTON UNIV (COMP, EMB)	100
	*FRANKLIN INST OF BOSTON	0
	HARVARD UNIV	43
	MASSACHUSETTS INST OF TECHNOLOGY	263
	MASSACHUSETTS UNIV OF-LOWELL	47
	MERRIMACK COLLEGE	18
	NORTHEASTERN UNIV (PE, JT AP/ED/MAG/MTT)	190
	TUFTS UNIV	32
*WENTWORTH INST OF TECHNOLOGY	37	
BUFFALO	ALFRED UNIV	9
	BUFFALO UNIV AT SUNY/AB (COMP)	150
	NEW YORK STATE UNIV OF COLLEGE-BUFFALO	20
	*SUNY-ALFRED STATE COLLEGE	18
CONNECTICUT	*BRIDGEPORT ENGINEERING INST	3
	BRIDGEPORT UNIV OF (COMP)	6
	CONNECTICUT UNIV OF	71
	*GREATER NEW HAVEN STATE TECH COLLEGE	2
	*HARTFORD STATE TECHNICAL COLLEGE	2
	HARTFORD UNIV OF	23
	NEW HAVEN UNIV OF	17
	*THAMES VALLEY STATE TECHNICAL COLLEGE	13
	TRINITY COLLEGE	9
	U S COAST GUARD ACADEMY	2
	WARD COLLEGE OF TECHNOLOGY	0
*WATERBURY STATE TECHNICAL COLLEGE	27	
YALE UNIV	47	
ITHACA	CORNELL UNIV	138
LONG ISLAND	HOFSTRA UNIV	12
	NEW YORK INST OF TECH-OLD WESTBURY	29
	*NEW YORK STATE UNIV OF-FARMINGDALE	4
	NEW YORK STATE UNIV OF-STONY BROOK	67
	POLYTECHNIC UNIV-FARMINGDALE	34
MAINE	MAINE UNIV OF	36
	SOUTHERN MAINE UNIV OF	24
MID-HUDSON	*DUTCHESS COMMUNITY COLLEGE	0
	NEW YORK STATE UNIV OF COLLEGE-NEW PALTZ	14
	U S MILITARY ACADEMY (COMP)	25
MOHAWK VALLEY	CLARKSON UNIV	82
	*NEW YORK STATE UNIV OF COLLEGE OF TECH-CANTON	11
	NEW YORK STATE UNIV OF INST OF TECH-UTICA	16
NEW HAMPSHIRE	DARTMOUTH COLLEGE	13
	*NEW HAMPSHIRE TECHNICAL INST	5
	NEW HAMPSHIRE UNIV OF	58
NEW JERSEY COAST	MONMOUTH COLLEGE	13
NEW YORK	*AERONAUTICS COLLEGE OF (COMP)	11
	*BRAMSON ORT TECH INST	0
	*BRONX COMMUNITY COLLEGE-DAY DIVISION	2
	COLUMBIA UNIV (COMP)	118
	COOPER UNION (COMP)	44
	MANHATTAN COLLEGE	53
	NEW YORK CITY COLLEGE OF (COMM, MTT)	125
	*NEW YORK CITY TECH COLLEGE	16
	NEW YORK INST OF TECHNOLOGY	35
	NEW YORK STATE UNIV OF-MARITIME COLLEGE	10
	POLYTECHNIC UNIVERSITY	151
	PRATT INST	2
QUEENS COLLEGE-NEW YORK	8	

\* LESS THAN FOUR YEAR IEEE STUDENT BRANCH.

SECTION B

REGION 1 (cont'd)

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
NEW YORK	*QUEENSBOROUGH COMMUNITY COLLEGE (COMP)	14
	STATEN ISLAND COLLEGE OF-ST GEORGE CAMPUS	22
	*STATEN ISLAND COLLEGE OF-SUNNYSIDE CAMPUS	8
	*TECHNICAL CAREER INSTITUTES (COMP)	43
NORTH JERSEY	*WESTCHESTER COMMUNITY COLLEGE (PE)	9
	FAIRLEIGH DICKINSON UNIV-DAY DIVISION	14
	*HUDSON COUNTY COMMUNITY COLLEGE	3
	*MORRIS COUNTY COLLEGE OF NEW JERSEY INST OF TECH	38 179
	STEVENS INST OF TECHNOLOGY	59
*UNION COUNTY COLLEGE	16	
PRINCETON- CENTRAL JERSEY	*DEVRY TECHNICAL INST-WOODBRIDGE	66
	MIDDLESEX COUNTY COLLEGE	7
	PRINCETON UNIV	71
	RUTGERS UNIV (EMB)	185
TRENTON STATE COLLEGE	10	
PROVIDENCE	BROWN UNIV	42
	MASSACHUSETTS UNIV OF DARTMOUTH-FM SE MASS	44
	RHODE ISLAND UNIV OF	64
	ROGER WILLIAMS COLLEGE	11
ROCHESTER	ROCHESTER INST OF TECH-BRANCH A (COMP)	144
	ROCHESTER INST OF TECH-BRANCH B (COMP)	3
	ROCHESTER UNIV OF	68
SCHENECTADY	*HUDSON VALLEY COMMUNITY COLLEGE	0
	RENSSELAER POLYTECHNIC INSTITUTE (COMP, COMM, CS, EMB, PE, RA, SP)	212
	UNION COLLEGE	16
SPRINGFIELD	MASSACHUSETTS UNIV OF (COMP)	159
	WESTERN NEW ENGLAND COLLEGE	29
SYRACUSE	SYRACUSE UNIV (COMP, EMB)	104
VERMONT	*CHAMPLAIN COLLEGE	1
	NORWICH UNIV (COMP)	27
	*VERMONT TECHNICAL COLLEGE	5
	VERMONT UNIV OF	25
WORCESTER COUNTY	WORCESTER POLYTECHNIC INST (EMB)	105

\* LESS THAN FOUR YEAR IEEE STUDENT BRANCH.

( ) ALSO HAS STUDENT BRANCH CHAPTER OF THE INDICATED SOCIETY -  
ANTENNAS AND PROPAGATION, CAS-CIRCUITS AND SYSTEMS, COMM-COMMUNICATIONS,  
COMP-COMPUTER, CS-CONTROL SYSTEMS, ED-ELECTRON DEVICES, EMB-ENGINEERING IN  
MEDICINE AND BIOLOGY, EM-ENGINEERING MANAGEMENT, IA-INDUSTRY APPLICATIONS,  
IT-INFORMATION THEORY, IM-INSTRUMENTATION AND MEASUREMENT, Mag-MAGNETICS,  
MTT-MICROWAVE, THEORY AND TECHNIQUES, PE-POWER ENGINEERING, PEL-POWER ELECTRONICS,  
RA-ROBOTICS AND AUTOMATION, SP-SIGNAL PROCESSING, SMC-SYSTEMS, MAN  
AND CYBERNETICS.



SECTION BREGION 2

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
AKRON	AKRON UNIV OF (COMP)	95
	*KENT STATE UNIV-TUSCARAWAS	9
	*STARK TECHNICAL COLLEGE	15
	STEUBENVILLE FRANCISCAN UNIV OF	3
BALTIMORE	*ANNE ARUNDEL COMMUNITY COLLEGE	6
	JOHNS HOPKINS UNIV	81
	LOYOLA COLLEGE	6
	MARYLAND UNIV OF (COMP, PE)	407
	MARYLAND UNIV OF-BALTIMORE COUNTY	43
	MORGAN STATE UNIV	59
	U S NAVAL ACADEMY	0
CENTRAL PENNSYLVANIA	BUCKNELL UNIV	20
	PENNSYLVANIA STATE UNIV (COMP)	390
CINCINNATI	CINCINNATI UNIV OF	66
	CINCINNATI UNIV OF-OMI COLLEGE	17
CLEVELAND	CASE WESTERN RESERVE UNIV (COMP)	85
	CLEVELAND STATE UNIV	78
COLUMBUS	*COLUMBUS STATE COMMUNITY COLLEGE	2
	*DEVRY INST OF TECHNOLOGY-COLUMBUS	21
	*FRANKLIN UNIV	6
	*MUSKINGUM AREA TECH COLLEGE	10
	OHIO STATE UNIV (COMP)	225
	OHIO UNIV (COMP)	74
DAYTON	CEDARVILLE COLLEGE	23
	DAYTON UNIV OF	64
	*DAYTON UNIV OF-TECHNICAL INST	6
	*EDISON STATE COMMUNITY COLLEGE	11
	*SINCLAIR COLLEGE	17
	U S AIR FORCE INST OF TECHNOLOGY	22
	WRIGHT STATE UNIV (COMP)	47
DELAWARE BAY	DELAWARE UNIV OF	46
ERIE	GANNON UNIV	30
	*PENN STATE UNIV-BEHREND COLLEGE	17
JOHNSTOWN	PITTSBURGH UNIV OF-JOHNSTOWN	19
LEHIGH VALLEY	LAFAYETTE COLLEGE	28
	LEHIGH UNIV	81
	*PENNSYLVANIA STATE UNIVERSITY WILKES-BARRE	9
	SCRANTON UNIV OF	8
	WILKES COLLEGE	23
LIMA	OHIO NORTHERN UNIV	65
NORTHERN VIRGINIA	GEORGE MASON UNIV (COMP)	173
OHIO VALLEY	*SHAWNEE STATE UNIV	4
PHILADELPHIA	DREXEL UNIV-DAY DIVISION (COMP)	142
	DREXEL UNIV-EVENING COLLEGE	28
	PENNSYLVANIA UNIV OF (COMP)	69
	SPRING GARDEN COLLEGE	0
	SWARTHMORE COLLEGE	14
	TEMPLE UNIV (EMB)	71
	VILLANOVA UNIV OF	51
	WIDENER UNIV	23
PITTSBURGH	CARNEGIE MELLON UNIV	220
	*FAIRMONT STATE COLLEGE	18
	*PENNSYLVANIA STATE UNIV-BEAVER CAMPUS	16
	*PENNSYLVANIA STATE UNIV-MCKEESPORT	1

\* LESS THAN FOUR YEAR IEEE STUDENT BRANCH.

SECTION B

REGION 2 (cont'd)

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
PITTSBURGH	PITTSBURGH UNIV OF (COMP)	107
	POINT PARK COLLEGE	11
	WEST VIRGINIA UNIV (COMP)	91
SHARON	GROVE CITY COLLEGE	22
	YOUNGSTOWN STATE UNIV	15
SUSQUEHANNA	PENNSYLVANIA STATE UNIV-CAPITOL	35
	*PENNSYLVANIA STATE UNIV-YORK	1
WASHINGTON	CAPITOL INST OF TECHNOLOGY	14
	CATHOLIC UNIV OF AMERICA	19
	*DISTRICT OF COLUMBIA UNIV OF THE	18
	GEORGE WASHINGTON UNIV (COMP, COMM, EMB)	144
	HOWARD UNIV	30
WEST VIRGINIA	WEST VIRGINIA INST OF TECHNOLOGY	15

\* LESS THAN FOUR YEAR IEEE STUDENT BRANCH.

( ) ALSO HAS STUDENT BRANCH CHAPTER OF THE INDICATED SOCIETY -  
ANTENNAS AND PROPAGATION, CAS-CIRCUITS AND SYSTEMS, COMM-COMMUNICATIONS,  
COMP-COMPUTER, CS-CONTROL SYSTEMS, ED-ELECTRON DEVICES, EMB-ENGINEERING IN  
MEDICINE AND BIOLOGY, EM-ENGINEERING MANAGEMENT, IA-INDUSTRY APPLICATIONS,  
IT-INFORMATION THEORY, IM-INSTRUMENTATION AND MEASUREMENT, Mag-MAGNETICS,  
MTT-MICROWAVE, THEORY AND TECHNIQUES, PE-POWER ENGINEERING, PEL-POWER ELECTRONICS,  
RA-ROBOTICS AND AUTOMATION, SP-SIGNAL PROCESSING, SMC-SYSTEMS, MAN  
AND CYBERNETICS.

**SECTION B**REGION 3

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
ALABAMA	ALABAMA UNIV OF (COMP)	55
	ALABAMA UNIV OF-BIRMINGHAM	36
	AUBURN UNIV (COMP, PE)	97
	TUSKEGEE UNIV	32
ATLANTA	*CHATAHOOCHEE TECH INST	5
	*DEKALB TECH	2
	*DEVRY INST OF TECHNOLOGY-ATLANTA	24
	GEORGIA INST OF TECHNOLOGY (COMP, EMB, PE)	613
	SOUTHERN TECHNICAL INST	95
BATON ROUGE	LOUISIANA STATE UNIV-BATON ROUGE (COMP)	52
	SOUTHERN UNIV	30
BROWARD	NOVA UNIVERSITY	51
CENTRAL GEORGIA	GEORGIA SOUTHERN COLLEGE	12
	MERCER UNIV	26
CENTRAL NORTH CAROLINA	*GUILFORD TECHNICAL COMMUNITY COLLEGE	10
	NORTH CAROLINA A AND T STATE UNIV	44
CENTRAL SAVANNAH RIVER	*AUGUSTA AREA TECHNICAL SCHOOL	1
CENTRAL VIRGINIA	VIRGINIA UNIV OF	137
CHARLOTTE	*CENTRAL PIEDMONT COMMUNITY COLLEGE	6
	*GASTON COLLEGE	15
	NORTH CAROLINA UNIV OF-CHARLOTTE	52
CHATTANOOGA	*CHATTANOOGA STATE TECHNICAL INST	11
	TENNESSEE UNIV OF-CHATTANOOGA	25
COASTAL SOUTH CAROLINA	CITADEL THE	32
	*TRIDENT TECHNICAL COLLEGE	1
COLUMBIA	*FLORENCE-DARLINGTON TECHNICAL COLLEGE	0
	SOUTH CAROLINA STATE COLLEGE	12
	SOUTH CAROLINA UNIV OF	107
EAST TENNESSEE	*PELLISSIPPI STATE TECH COMMUNITY COLLEGE	9
	TENNESSEE UNIV OF (COMP)	139
EASTERN NORTH CAROLINA	DUKE UNIV	96
	EAST CAROLINA UNIV	13
	*FAYETTEVILLE TECHNICAL INST	1
	NORTH CAROLINA STATE UNIV (COMP, PE)	293
	NORTH CAROLINA UNIV OF-CHAPEL HILL	20
	*SOUTHERN ILLINOIS UNIV/STC	2
*WAKE TECHNICAL COLLEGE	2	
EVANSVILLE-OWENSBORO	EVANSVILLE UNIV OF	21
	MURRAY STATE UNIV	15
	SOUTHERN INDIANA UNIV OF	19
FLORIDA WEST COAST	SOUTH FLORIDA UNIV OF (COMP, PE)	134
GAINESVILLE	FLORIDA UNIV OF (COMP)	153
HAMPTON ROADS	HAMPTON UNIV	22
	NORFOLK STATE UNIV	7
	OLD DOMINION UNIV (COMP)	49
HUNTSVILLE	ALABAMA A&M UNIV	1
	ALABAMA UNIV OF-HUNTSVILLE	57
JACKSONVILLE	NORTH FLORIDA UNIV OF	26
JAMAICA	COLLEGE OF ARTS SCIENCE AND TECH	10
LEXINGTON	KENTUCKY UNIV OF	69
LOUISVILLE	LOUISVILLE UNIV OF	85

\* LESS THAN FOUR YEAR IEEE STUDENT BRANCH.

**SECTION B****REGION 3 (cont'd)**

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
LOUISVILLE	WESTERN KENTUCKY UNIV	7
MEMPHIS	*ARKANSAS STATE UNIV	15
	CHRISTIAN BROTHERS COLLEGE	22
	MEMPHIS STATE UNIV (COMP)	23
	MISSISSIPPI UNIV OF	38
	*STATE TECHNICAL INST-MEMPHIS	5
	TENNESSEE UNIV OF-MARTIN	24
MIAMI	FLORIDA INTERNATIONAL UNIV	51
	MIAMI UNIV OF-CORAL GABLES (COMP)	53
MISSISSIPPI	MISSISSIPPI STATE UNIV (EMB,PE)	88
	SOUTHERN MISSISSIPPI UNIV OF	19
MOBILE	SOUTH ALABAMA UNIV OF	68
NASHVILLE	TENNESSEE STATE UNIV	26
	TENNESSEE TECHNOLOGICAL UNIV (COMP)	85
	VANDERBILT UNIV	93
NEW ORLEANS	NEW ORLEANS UNIV OF	89
	TULANE UNIV (COMP)	33
NORTHWEST FLORIDA	WEST FLORIDA UNIV OF	15
ORLANDO	CENTRAL FLORIDA UNIV OF (COMP, JT CS/RA/SMC)	126
PALM BEACH	FLORIDA ATLANTIC UNIV	56
PIEDMONT	CLEMSON UNIV (COMP, PE)	124
S BREVARD INDIAN RIVER	FLORIDA INST OF TECHNOLOGY	69
SAVANNAH	SAVANNAH STATE COLLEGE	1
TALLAHASSEE AREA	FLORIDA A AND M UNIV	16
	FLORIDA A&M/FLORIDA STATE UNIV	61
TRI CITIES	*NORTHEAST STATE TECH COMMUNITY COLLEGE	11
	*TRI-CITIES SECTION STUDENT BRANCH (COMP)	0
VIRGINIA MOUNTAIN	*SOUTHWEST VIRGINIA COMMUNITY COLLEGE	0
	VIRGINIA MILITARY INST	7
	VIRGINIA POLYTECHNIC INSTITUTE & STATE UNIV (COMP,PE,PEL, JT COMM/VT)	301
	*VIRGINIA WESTERN COMMUNITY COLLEGE	16
WESTERN NORTH CAROLINA	WESTERN CAROLINA UNIV	9

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 RA-ROBOTICS AND AUTOMATION, SP-SIGNAL PROCESSING, SMC-SYSTEMS, MAN  
 AND CYBERNETICS.

SECTION BREGION 4

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
ARROWHEAD	MINNESOTA UNIV OF-DULUTH (COMP)	26
CALUMET	PURDUE UNIV-CALUMET	32
	*VALPARAISO TECHNICAL INST	0
	VALPARAISO UNIV (COMP)	56
CEDAR RAPIDS	IOWA UNIV OF	107
	*NORTHERN IOWA UNIV OF	1
CENTRAL ILLINOIS	ILLINOIS UNIV OF-URBANA (COMP, EMB)	293
CENTRAL INDIANA	*ITT TECHNICAL INST-INDIANAPOLIS	22
	PURDUE UNIV-INDIANAPOLIS	33
	ROSE-HULMAN INST OF TECHNOLOGY	35
	PURDUE UNIV-WEST LAFAYETTE (COMP)	427
CENTRAL IOWA	IOWA STATE UNIV (COMP)	236
CHICAGO	DEPAUL UNIV	8
	DEVRY INST OF TECHNOLOGY-CHICAGO	63
	*DEVRY INST OF TECHNOLOGY-DUPAGE	30
	ILLINOIS INST OF TECHNOLOGY (COMP)	86
	ILLINOIS UNIV OF-CHICAGO (EMB)	141
	NORTHWESTERN UNIV (COMP)	88
FORT WAYNE	INDIANA INST OF TECHNOLOGY	16
	PURDUE UNIV-FORT WAYNE	25
	TRI-STATE UNIV (COMP)	12
ILLINOIS VALLEY	BRADLEY UNIV	35
MADISON	WISCONSIN UNIV OF-MADISON (COMP)	239
	WISCONSIN UNIV OF-PLATTEVILLE	39
MICHIANA	FERRIS STATE UNIV	26
	NOTRE DAME UNIV OF	81
MILWAUKEE	MARQUETTE UNIV	135
	MILWAUKEE SCHOOL OF ENGINEERING	135
	*WAUKESHA COUNTY TECHNICAL INST	13
	WISCONSIN UNIV OF-MILWAUKEE (COMP, PE)	98
	WISCONSIN UNIV OF-PARKSIDE	1
NEBRASKA	*GATEWAY ELECTRONICS INST (COMP)	3
	NEBRASKA UNIV OF-LINCOLN	61
	*NEBRASKA UNIV OF-OMAHA	25
NORTHEAST MICHIGAN	GMI ENGINEERING AND MANAGEMENT INST	58
	SAGINAW VALLEY STATE UNIV	17
NORTHEASTERN WISCONSIN	*LAKE SUPERIOR STATE COLLEGE	4
	MICHIGAN TECH UNIV (COMP, PE)	165
RED RIVER VALLEY	NORTH DAKOTA STATE UNIV (COMP, EMB)	80
	NORTH DAKOTA UNIV OF	39
ROCK RIVER VALLEY	NORTHERN ILLINOIS UNIV	39
SIouxLAND	DORDT COLLEGE	5
	SOUTH DAKOTA STATE UNIV	27
SOUTHEASTERN MICHIGAN	DETROIT UNIV OF (COMP)	25
	*ITT TECHNICAL INST-TROY	12
	LAWRENCE INST OF TECHNOLOGY (COMP)	36
	MICHIGAN STATE UNIV	141
	MICHIGAN UNIV OF-ANN ARBOR	327
	MICHIGAN UNIV OF-DEARBORN	29
	OAKLAND UNIV	34
	*ST CLAIR COLLEGE OF TECH	18

\* LESS THAN FOUR YEAR IEEE STUDENT BRANCH.

SECTION B

REGION 4 (cont'd)

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
SOUTHEASTERN MICHIGAN	WAYNE STATE UNIV (COMP)	83
	WINDSOR UNIV OF	33
SOUTHERN MINNESOTA	MANKATO STATE UNIV	27
TOLEDO	TOLEDO UNIV OF	47
	*TOLEDO UNIV OF-COMMUNITY AND TECH COLLEGE	10
TWIN CITIES	MINNESOTA UNIV OF	232
	ST CLOUD STATE UNIV	51
	*WISCONSIN UNIV OF-STOUT (COMP)	8
WEST MICHIGAN	WESTERN MICHIGAN UNIV (COMP)	47

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RA-ROBOTICS AND AUTOMATION, SP-SIGNAL PROCESSING, SMC-SYSTEMS, MAN  
AND CYBERNETICS.

SECTION BREGION 5

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
ARKANSAS	*ARKANSAS COLLEGE OF TECH	10
	ARKANSAS UNIV OF-LITTLE ROCK	11
BEAUMONT	LAMAR UNIV	67
	MCNEESE STATE UNIV	28
CENTRAL TEXAS	ST MARY'S UNIV	12
	TEXAS UNIV OF SAN-ANTONIO	46
	TEXAS UNIV OF-AUSTIN (COMP)	375
	TRINITY UNIV	13
CORPUS CHRISTI	*DEL MAR COLLEGE (COMP)	13
	TEXAS A AND I UNIV	24
DALLAS	BAYLOR UNIV	18
	DEVRY INST OF TECHNOLOGY-IRVING	24
	EAST TEXAS STATE UNIV (COMP)	2
	SOUTHERN METHODIST UNIV (COMP)	60
	TEXAS UNIV OF-DALLAS	55
DENVER	COLORADO SCHOOL OF MINES	50
	COLORADO STATE UNIV (COMP)	72
	COLORADO UNIV OF-BOULDER	195
	COLORADO UNIV OF-DENVER	59
	DENVER UNIV OF	27
	METROPOLITAN STATE COLLEGE	41
	SOUTH DAKOTA SCHOOL OF MINES AND TECH	36
	WYOMING UNIV OF	59
EL PASO	NEW MEXICO STATE UNIV	110
	TEXAS UNIV OF-EL PASO	108
FORT WORTH	*ITT TECHNICAL INST-ARLINGTON (AAS ONLY)	12
	TEXAS CHRISTIAN UNIV (COMP)	4
	TEXAS UNIV OF-ARLINGTON (COMP)	207
GALVESTON BAY	HOUSTON UNIV OF-CLEAR LAKE	52
HOUSTON	HOUSTON UNIV OF-COLLEGE OF ENGRG	173
	HOUSTON UNIV-COLLEGE OF TECH	43
	PRAIRIE VIEW A AND M UNIV	17
	RICE UNIV (COMP)	63
	TEXAS A AND M UNIV (COMP, EMB)	202
	TEXAS A AND M UNIV-ENGRG TECH (COMM)	49
	TEXAS SOUTHERN UNIV	20
KANSAS CITY	CENTRAL MISSOURI STATE UNIV	10
	*DEVRY INST OF TECH-KANSAS CITY	27
	KANSAS STATE UNIVERSITY	96
	KANSAS UNIV OF	121
	MISSOURI UNIV OF-KANSAS CITY	36
	PITTSBURG STATE UNIV	22
SOUTHWEST MISSOURI STATE COLLEGE	1	
LAFAYETTE	SOUTHWESTERN LOUISIANA UNIV OF (COMP)	97
OKLAHOMA CITY	OKLAHOMA CHRISTIAN UNIV OF SCIENCE AND ARTS	19
	OKLAHOMA UNIV OF	91
OZARK	ARKANSAS UNIV OF	49
PIKES PEAK	COLORADO TECHNICAL COLLEGE	45
	COLORADO UNIV OF-COLORADO SPRINGS	52
	SOUTHERN COLORADO UNIV OF	20
	U S AIR FORCE ACADEMY	18
SAINT LOUIS	MISSOURI UNIV OF-COLUMBIA (COMP)	110
	MISSOURI UNIV OF-ROLLA (COMP)	162
	PARKS COLLEGE OF ST LOUIS UNIV	25
	SOUTHERN ILLINOIS UNIV-CARBONDALE	54
	SOUTHERN ILLINOIS UNIV-EDWARDSVILLE	31
WASHINGTON UNIV	112	

\* LESS THAN FOUR YEAR IEEE STUDENT BRANCH.

SECTION B

REGION 5 (cont'd)

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
SHREVEPORT	LETOURNEAU COLLEGE	21
	LOUISIANA TECHNOLOGICAL UNIV	67
	NORTHWESTERN STATE UNIV OF LOUISIANA	19
SOUTH PLAINS	*TEXAS STATE TECHNICAL COLLEGE	21
	TEXAS TECHNOLOGICAL UNIV	167
TULSA	*OKLAHOMA JUNIOR COLLEGE	1
	OKLAHOMA STATE UNIV (COMP)	81
	OKLAHOMA STATE UNIV-BRANCH B	11
	ORAL ROBERTS UNIV	14
	TULSA UNIV OF	21
WICHITA	*KANSAS STATE UNIV-SALINA	17
	WICHITA STATE UNIV	40

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**SECTION B**REGION 6

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
ALASKA	ALASKA UNIV OF	29
ALBUQUERQUE	NEW MEXICO UNIV OF (COMP)	147
BOISE	IDAHO UNIV OF-BOISE	19
FOOTHILL	CALIFORNIA POLYTECHNIC STATE UNIV (COMP)	98
	DEVRY INST OF TECHNOLOGY-LOS ANGELES	35
	HARVEY MUDD COLLEGE	18
HAWAII	HAWAII UNIV OF	45
LAS VEGAS	NEVADA UNIV OF-LAS VEGAS	63
LOS ALAMOS	NEW MEXICO HIGHLANDS UNIV	2
METROPOLITAN LOS ANGELES	CALIFORNIA STATE UNIV-LOS ANGELES	117
	SOUTHERN CALIFORNIA UNIV OF	283
	WEST COAST UNIV	7
MONTANA	MONTANA STATE UNIV	33
	NORTHERN MONTANA COLLEGE	12
NORTHERN NEVADA	NEVADA UNIV OF-RENO	45
OAKLAND-EAST BAY	CALIFORNIA STATE UNIV-FRESNO	39
	CALIFORNIA UNIV OF-BERKELEY (COMP)	275
ORANGE COUNTY	CALIFORNIA STATE UNIV-FULLERTON	19
	CALIFORNIA UNIV OF-IRVINE	98
	*ITT TECHNICAL INST-BUENA PARK	15
PHOENIX	ARIZONA STATE UNIV (COMP)	168
	ARIZONA STATE UNIV-II-CET DEPT	17
	DEVRY INST OF TECHNOLOGY-PHOENIX	53
	EMBRY-RIDDLE AERONAUTICAL UNIV	17
	NORTHERN ARIZONA UNIV	13
OREGON	*OREGON INST OF TECHNOLOGY	15
	OREGON STATE UNIV	103
	PORTLAND STATE UNIV	57
	PORTLAND UNIV (COMP)	34
RICHLAND	WALLA WALLA COLLEGE	27
	WASHINGTON STATE UNIV-RICHLAND	15
SACRAMENTO	CALIFORNIA STATE UNIV-CHICO	55
	CALIFORNIA STATE UNIV-SACRAMENTO (COMP)	72
	CALIFORNIA UNIV OF-DAVIS	150
	PACIFIC UNIV OF THE (COMP)	23
SAN DIEGO	CALIFORNIA UNIV OF-SAN DIEGO (COMP)	128
	NATIONAL UNIVERSITY	3
	SAN DIEGO STATE UNIV	85
	SAN DIEGO UNIV OF-ALCALA PARK	53
SAN FERNANDO VALLEY	CALIFORNIA STATE UNIV-NORTHRIDGE	58
	*LOS ANGELES PIERCE COLLEGE	7
SAN FRANCISCO	SAN FRANCISCO STATE UNIV	41
SANTA BARBARA	CALIFORNIA POLYTECHNIC STATE UNIV (COMP, PE)	80
	CALIFORNIA UNIV OF-SANTA BARBARA (COMP)	115
SANTA CLARA VALLEY	CALIFORNIA UNIV OF-SANTA CRUZ	42
	*COGSWELL COLLEGE	18
	*FOOTHILL COLLEGE	2
	SAN JOSE STATE UNIV (COMP)	124
	SANTA CLARA UNIV OF (COMP)	83
	STANFORD UNIV (COMP)	296
	U S NAVAL POSTGRADUATE SCHOOL	39

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SECTION B

REGION 6 (cont'd)

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
SANTA MONICA BAY	CALIFORNIA UNIV OF-LOS ANGELES	166
	LOYOLA MARYMOUNT UNIV	16
	NORTHROP UNIVERSITY	1
SEATTLE	COGSWELL COLLEGE NORTH CAMPUS	22
	SEATTLE PACIFIC UNIV	14
	SEATTLE UNIV	46
	WASHINGTON UNIV OF (COMP)	167
	WESTERN WASHINGTON UNIV	12
SOUTH BAY HARBOR	CALIFORNIA STATE UNIV-LONG BEACH (COMP)	84
SPOKANE	GONZAGA UNIV	14
	IDAHO UNIV OF	41
	WASHINGTON STATE UNIV-PULLMAN (COMP)	78
TUCSON	ARIZONA UNIV OF	144
UTAH	BRIGHAM YOUNG UNIV	66
	BRIGHAM YOUNG UNIV-BRANCH B	22
	UTAH STATE UNIV	48
	UTAH UNIV OF (COMP, EMB)	80
	WEBER STATE COLLEGE	12
WENATCHEE	CENTRAL WASHINGTON UNIV	16

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SECTION BREGION 7

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
CANADIAN ATLANTIC	NOVA SCOTIA TECHNICAL UNIV OF	17
HAMILTON	MCMASTER UNIV (COMP)	160
	*MOHAWK COLLEGE OF APPLIED A AND T	0
	*NIAGARA COLLEGE (COMP)	23
KINGSTON	QUEEN'S UNIV (COMP)	124
	ROYAL MILITARY COLLEGE OF CANADA	59
	*SAINT LAWRENCE COLLEGE OF APPLIED A AND T	1
KITCHENER-WATERLOO	*CONESTOGA COLLEGE OF APPLIED A AND T	32
	WATERLOO UNIV OF-STREAM A (COMP/COMM/CS/IT)	101
	WATERLOO UNIV OF-STREAM B (COMP/COMM/CS/IT)	158
LONDON	*FANSHAWE COLLEGE	8
	WESTERN ONTARIO UNIV OF	89
MONTREAL	CONCORDIA UNIV (COMP)	116
	ECOLE DE TECHNOLOGIE SUPERIEURE	52
	ECOLE POLYTECHNIQUE-UNIV OF MONTREAL (COMP)	117
	MCGILL UNIV (COMP)	144
NEW BRUNSWICK	NEW BRUNSWICK UNIV OF	71
NEWFOUNDLAND-LABRADOR	NEWFOUNDLAND MEMORIAL UNIV OF	41
NORTH SASKATCHEWAN	SASKATCHEWAN UNIV OF	84
NORTHERN CANADA	ALBERTA UNIV OF (COMP)	178
	*WESTERRA INSTITUTE OF TECH	0
OTTAWA	*ALGONQUIN COLLEGE	47
	CARLETON UNIV (COMP, COMM)	110
	OTTAWA UNIV OF	83
PETERBOROUGH	*SIR SANDFORD FLEMING COLLEGE	22
QUEBEC	COLLEGE MILITAIRE ROYAL-ST JEAN	0
	LAVAL UNIV	193
	SHERBROOKE UNIVERSITE DE	59
SAINT MAURICE	QUEBEC UNIV OF-TROIS RIVIERES	31
SOUTH SASKATCHEWAN	REGINA UNIV OF	52
	*SASKATCHEWAN TECHNICAL INST	1
SOUTHERN ALBERTA	CALGARY UNIV OF	82
	*DEVRY INST OF TECHNOLOGY-CALGARY	27
	*SOUTHERN ALBERTA INST OF TECHNOLOGY	25
TORONTO	CENTENNIAL COLLEGE OF APPLIED A AND T	38
	*DEVRY INST OF TECHNOLOGY-TORONTO	54
	*GEORGE BROWN COLLEGE OF APPLIED A AND T	22
	*NORTHERN COLLEGE OF APPLIED A AND T	2
	*RADIO COLLEGE OF CANADA	42
	RYERSON POLYTECHNIC INST	127
	*SAULT COLLEGE OF APPLIED A AND T	0
	*SENECA COLLEGE OF APPLIED A AND T	6
	TORONTO UNIV OF	258
VANCOUVER	*BRITISH COLUMBIA INST OF TECHNOLOGY	9
	BRITISH COLUMBIA UNIV OF (COMP)	149
	SIMON FRASER UNIV	71
VICTORIA	VICTORIA UNIV OF	135

SECTION B

REGION 7 (cont'd)

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
WINNIPEG	*ASSINIBOINE COMMUNITY COLLEGE	13
	LAKEHEAD UNIVERSITY	56
	MANITOBA UNIV OF (COMP)	78
	*RED RIVER COMMUNITY COLLEGE	22

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SECTION BREGION 8

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
AUSTRIA	GRAZ TECHNISCHE UNIVERSITAT	57
	WIEN TECHNISCHE UNIVERSITAT-VIENNA	29
BENELUX	CATHOLIQUE UNIV OF LOUVAIN	51
	DELFT UNIV OF TECHNOLOGY	98
	EINDHOVEN UNIV OF TECH (COMM)	63
	GHENT UNIV OF	61
	KATHOLIEKE UNIV TE LEUVEN	94
	LIEGE UNIV AV SART TILMAN	21
	TWENTE UNIV OF TECHNOLOGY	35
CENTRAL & SOUTH ITALY	FLORENCE UNIV OF	28
	PARMA UNIVERSITA DEGLI STUDI OF	19
	ROME LA SAPIENZA UNIV OF	35
DENMARK	DENMARK SECTION STUDENT BRANCH	1
EGYPT	ALEXANDRIA UNIV	22
	CAIRO UNIV OF	20
	MANSOURA UNIV	37
	MENOUFIA UNIVERSITY	1
FINLAND	HELSINKI UNIV OF TECHNOLOGY	36
	OULU UNIV OF	49
	TAMPERE UNIV OF TECHNOLOGY	34
FRANCE	ECOLE NATIONAL SUPERIORE TELECOM	12
	NATIONAL POLYTECHNIC DE GRENOBLE ENSIEG	6
GERMANY	FACHHOCHSCHULE FURTWANGEN	40
	HANNOVER UNIVERSITAT-INST ELEKTROTECHNIK	17
	FACHHOCHSCHULE FUR TECHNIK ESSLINGEN	76
	KAISERSLAUTERN UNIV	24
	KARLSRUHE UNIV OF	47
	MUNICH TECHNICAL UNIV OF	157
	PASSAU UNIV OF	15
	RUHR UNIVERSITAT BOCHUM	31
	STUTTGART UNIV OF	39
GREECE	ARISTOTELIAN UNIV OF THESSALONIKA	47
	ATHENS NATIONAL TECHNICAL UNIV	81
HUNGARY	BUDAPEST TECHNICAL UNIV OF	30
ISRAEL	BEN GURION UNIV OF THE NEGEV	20
	ISRAEL INST OF TECHNOLOGY	15
	TEL-AVIV UNIV	35
KUWAIT	KUWAIT UNIV	11
NORTH ITALY	BOLOGNA UNIV OF	11
	GENOVA UNIV OF	40
	PADOVA UNIV OF	39
	PAVIA UNIVERSITA DEGLI STUDI OF	18
	POLITECNICO OF MILANO	72
	POLITECNICO OF TORINO	22
TRieste UNIV OF	24	
POLAND	WARSAW UNIV OF TECHNOLOGY	10
PORTUGAL	AVEIRO UNIVERSIDADE DE	140
	*PORTUGAL SECTION STUDENT BRANCH	3
RUSSIA	TAGANROG RADIO ENGINEERING INSTITUTE	20

\* LESS THAN FOUR YEAR IEEE STUDENT BRANCH.

**SECTION B****REGION 8 (cont'd)**

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
SLOVENIA	LJUBLJANA UNIV OF	30
	MARIBOR UNIV OF	22
SOUTH AFRICA	PRETORIA UNIV OF	32
SPAIN	ESCUELA TECNICA SUPERIOR DE INGENIEROS DE TELECOMUNICACION-VALENCIA	176
	ESCUELA TECNICA SUPERIOR DE INGENIEROS DE TELECOMUNICACION-VIGO	10
	ESCUELA TECNICA SUPERIOR DE INGENIEROS DE TELECOMUNICACION-MADRID (COMP, EMB)	44
	ESCUELA TECNICA SUPERIOR DE INGENIEROS DE TELECOMUNICACION-BARCELONA	261
	CHALMERS UNIV OF TECHNOLOGY	32
SWEDEN	LINKOPING UNIV	33
	LUND UNIV/LUND INST OF TECHNOLOGY	29
	ROYAL INSTITUTE OF TECH	72
	UPPSALA UNIV	10
SWITZERLAND	ECOLE POLYTECHNIC FEDERAL LAUSANNE-EPF	32
	SWISS FEDERAL INST OF TECHNOLOGY-ETHZ	149
TURKEY	BILKENT UNIV	75
	EGE UNIVERSITESI (AEGEAN)	27
	HACETTEPE UNIV	20
	ISTANBUL TECHNICAL UNIV	61
	MIDDLE EAST TECHNICAL UNIV	128
UNITED KINGDOM & REPUBLIC OF IRELAND	IMPERIAL COLLEGE	55
	UKRI SECTION STUDENT BRANCH	118
UNITED ARAB EMIRATES	UNITED ARAB EMIRATES UNIV	22
WESTERN SAUDI ARABIA	KING ABDULAZIZ UNIV	9
	MAURITIUS UNIVERSITY OF	35
	ZIMBABWE UNIV OF	2

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 AND CYBERNETICS.

SECTION BREGION 9

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
ARGENTINA	BUENOS AIRES INST TECNOLOGICAL DE	39
	BUENOS AIRES UNIV NACIONAL DEL CENTRO	15
	BUENOS AIRES UNIVERSIDAD DE (COMP)	155
	DEL SUR UNIV DE	30
	ENTRE RIOS UNIV NACIONAL DE	47
	NACIONAL TECHNOLOGICA UNIV	56
	TUCUMAN NACIONAL UNIV DE	199
BAHIA	BAHIA FEDERAL UNIV DA	9
BRASILIA	BRASILIA UNIVERSIDADE DE	26
	FEDERAL DE JUIZ DE FORA UNIVERSIDADE	21
CHILE	ANTOFAGASTA UNIVERSIDAD DE	1
	BIO-BIO UNIV DEL	1
	CHILE PONTIFICAL CATOLICA UNIV DE	9
	CHILE UNIVERSIDAD AUSTRAL DE	34
	CHILE UNIVERSIDAD DE	25
	CONCEPCION UNIV DE (COMP)	10
	MAGALLANES UNIVERSIDAD DE	0
	SANTA MARIA UNIV TEC FEDERICO (COMP)	28
	SANTIAGO UNIV DE	10
	TARAPACA UNIV DE	4
VALPARAISO UNIV CATOLICA DE	5	
COLOMBIA	BOLIVARIANA PONTIFICIA UNIVERSIDAD	55
	CAUCA UNIVERSIDAD DEL	3
	COLOMBIA UNIV AUTONOMA DE	3
	COLOMBIA UNIV NACIONAL DE	28
	COLOMBIA UNIV PILOTO DE	0
	ESCUELA COLOMBIANA DE INGENIERIA	0
	FRANCISCO JOSE CALDAS DISTRIITAL UNIV (COMP)	33
	LOS ANDES UNIV DE (COMP,PE)	18
	PONTIFICIA UNIV JAVERIANA	60
	SANTO TOMAS DE AQUINO UNIV	21
COSTA RICA	COSTA RICA INST TECNOLOGICO DE	17
	COSTA RICA UNIV DE	60
ECUADOR	ESCUELA POLITECNICA NACIONAL-ECUADOR	2
EL SALVADOR	CENTROAMERICANA UNIV JOSE SIMEON CANAS (COMP)	11
	EL SALVADOR UNIV EVANGELICA UNIV	0
	EL SALVADOR UNIV POLITECNICA DE	0
	EL SALVADOR UNIVERSIDAD DE	2
GUADALAJARA	GUADALAJARA UNIV DE	39
	INSTITUTO TECNOLOGICO Y DE ESTUDIOS	15
	SUPERIORES DE MONTERREY-OCCIDENTE/ITESO	
GUATEMALA	FRANCISCO MARROQUIN UNIVERSIDAD	11
	GUATEMALA UNIV DEL VALLE DE	13
	SAN CARLOS UNIV DE GUATEMALA (COMP)	21
HONDURAS	HONDURAS UNIV NACIONAL AUTONOMA	5
MEXICO	BAJIO UNIVERSIDAD	6
	CELAYA INSTITUTO TECNOLOGICO DE	21
	CULHUACAN INSTITUTO POLITECNICO NACIONAL-ESIME	0
	ESCUELA SUPERIORE ING MECANICA Y ELECTRICA	48
	GUANAJUATO UNIVERSIDAD DE	73
	GUTIERREZ INSTITUTO TECNOLOGICO DE TUXTLA	30
	HERMOSILLO INSTITUTO TECNOLOGICO DE	20
	IBEROAMERICANA UNIV PLANTEL LEON	1
	IBEROAMERICANA UNIVERSIDAD	39
	INSTITUTO TECNOLOGICO Y DE ESTUDIOS	33
	SUPERIORES DE MONTERREY-MEXICO CITY	
	INSTITUTO TECNOLOGICO Y DE ESTUDIOS	91
	SUPERIORES DE MONTERREY-CIUDAD DE MEXICO	
INSTITUTO TECNOLOGICO Y DE ESTUDIOS	147	
SUPERIORES DE MONTERREY-QUERETARO		

\* LESS THAN FOUR YEAR IEEE STUDENT BRANCH.

**SECTION B**REGION 9 (cont'd)

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>	
MEXICO	INSTITUTO TECNOLOGICO DE DURANGO	23	
	INSTITUTO TECNOLOGICO REGIONAL CIUDAD JUAREZ	0	
	LA SALLE UNIV DE (COMP)	42	
	LAS AMERICAS UNIV DE-PUEBLA	23	
	MADERO INSTITUTO TECNOLOGICO DE CIUDAD	12	
	METROPOLITANA UNIV AUTONOMA	29	
	MEXICO NACIONAL AUTONOMA UNIV DE	22	
	MORELIA INSTITUTO TECNOLOGICO DE	36	
	PANAMERICANA UNIV	15	
	SAN LUIS POTOSI INSTITUTO TECNOLOGICO DE	55	
	SONORA INSTITUTO TECNOLOGICO DE	41	
	VERACRUZANA UNIVERSIDAD	29	
	ZACATECAS UNIV AUTONOMA DE	37	
	MONTERREY	INSTITUTO TECNOLOGICO Y DE ESTUDIOS SUPERIORES DE MONTERREY (COMP)	130
		NUEVO LEON UNIV AUTONOMOUS DE	24
MORELOS	CENTRO NACIONAL INVESTIGACION DESARROLO	14	
	INSTITUTO TECNOLOGICO Y DE ESTUDIOS SUPERIORES DE MONTERREY-MORELOS	12	
PANAMA	PANAMA UNIV TECNOLOGICA OF	200	
	SANTA MARIA LA ANTIGUA UNIV	60	
PERU	LIMA UNIV NACIONAL DE ING	47	
	PONTIFICIA UNIV CATOLICA DEL PERU	88	
	RICARDO PALMA UNIV PARTICULAR	54	
	SAN MARCOS UNIV NACIONAL MAYOR DE	5	
	TACNA UNIVERSIDAD DE	0	
PUERTO RICO & CARIBBEAN	PUERTO RICO UNIV POLITECNICA	97	
RIO DE JANEIRO	FEDERAL FLUMINENSE UNIV-ESCOLA ENGRG	10	
	RIO DE JANEIRO FEDERAL UNIV DE	20	
SOUTH BRAZIL	ARMANDO ALVARES PENTEADO FOUNDATION ENGRG	0	
	ESCOLA POLITECNICO UNIV DE SAO PAULO	50	
	ESTADUAL DE CAMPINAS UNIVERSIDADE	15	
	ESTADUAL PAULISTA JULIO DE MESQUITA	0	
	MACKENZIE UNIV-ESCOLA DE ENGRG	7	
	SAO CARLOS ESCOLA DE ENGRG	9	
URUGUAY	REPUBLICA UNIVERSIDAD DE LA	43	
VENEZUELAN	CARABOBO UNIV DE	43	
	IUPFAN-INSTITUTO UNIV POLITEC FUERZAS ARMADAS	14	
	LOS ANDES UNIVERSIDAD DE-MERIDA	20	
	NUEVA ESPARTA UNIVERSIDAD	50	
	SIMON BOLIVAR UNIV	52	
	VENEZUELA UNIV CENTRAL DE (COMP)	38	
WESTERN PUERTO RICO	INTERAMERICAN UNIVERSITY	29	
	PUERTO RICO UNIV OF	158	
	ORURO TECHNICAL UNIV OF	27	

\* LESS THAN FOUR YEAR IEEE STUDENT BRANCH.

( ) ALSO HAS STUDENT BRANCH CHAPTER OF THE INDICATED SOCIETY - ANTENNAS AND PROPAGATION, CAS-CIRCUITS AND SYSTEMS, COMM-COMMUNICATIONS, COMP-COMPUTER, CS-CONTROL SYSTEMS, ED-ELECTRON DEVICES, EMB-ENGINEERING IN MEDICINE AND BIOLOGY, EM-ENGINEERING MANAGEMENT, IA-INDUSTRY APPLICATIONS, IT-INFORMATION THEORY, IM-INSTRUMENTATION AND MEASUREMENT, Mag-MAGNETICS, MTT-MICROWAVE, THEORY AND TECHNIQUES, PE-POWER ENGINEERING, PEL-POWER ELECTRONICS, RA-ROBOTICS AND AUTOMATION, SP-SIGNAL PROCESSING, SMC-SYSTEMS, MAN AND CYBERNETICS.



**SECTION B**REGION 10

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>	
BANGALORE	BANGALORE INST OF TECH	30	
	GOGTE INST OF TECHNOLOGY	0	
	INDIAN INST OF SCIENCE-BANGALORE (COMP)	17	
	KARNATAKA REGIONAL ENGRG COLLEGE	36	
	KLE SOCIETY'S COLLEGE OF ENGRG	167	
	MANIPAL INST OF TECH	25	
	NATIONAL INSTITUTE OF ENGRG-MYSORE	2	
	NMAM INSTITUTE OF TECHNOLOGY	15	
	SIR M VISVESVARAYA INST OF TECHNOLOGY	0	
	SRI ADHICHUNCHANAGIRI INST OF TECHNOLOGY	29	
	SRI JAYACHAMARAJENDRA COLLEGE OF ENGRG	16	
	UNIV VISVESVARAYA COLLEGE OF ENGRG	3	
	BEIJING	NANJING INST OF TECHNOLOGY	25
		TSINGHUA UNIV-QING HUA	18
BOMBAY	INDIAN INST OF TECHNOLOGY-BOMBAY (COMP)	5	
	JAWAHARLAL NEHRU ENGINEERING COLLEGE	39	
	MAULANA AZAD COLLEGE OF TECHNOLOGY	5	
	MBM ENGINEERING COLLEGE/JODHPUR UNIV	29	
	MGM COLLEGE OF ENGRG AND TECHNOLOGY (COMP)	0	
	PUNE INSTITUTE OF COMPUTER TECHNOLOGY	83	
	RAMRAO ADIK INST OF TECHNOLOGY	15	
	THADOMAL SHAHANI ENGRG COLLEGE (COMM, EMB)	50	
	VES INSTITUTE OF TECHNOLOGY	9	
	VICTORIA JUBILEE TECHNICAL INST	20	
	VISWESARAYYA REGIONAL ENGRG COLLEGE	78	
	WALCHAND COLLEGE OF ENGRG	0	
	WALCHAND INSTITUTE OF TECHNOLOGY	28	
CALCUTTA	BIRLA INST OF TECHNOLOGY-MESRA	39	
	JADAVPUR UNIV	2	
DAEJON	CHUNGNAM NATIONAL UNIV	8	
	KOREA ADVANCED INST OF SCIENCE & TECHNOLOGY	194	
DELHI	BANARUS HINDU UNIV (COMP)	27	
	BIRLA INST OF TECH AND SCIENCE	7	
	DELHI COLLEGE OF ENGRG (PE)	89	
	DELHI INST OF TECHNOLOGY	0	
	INDIAN INST OF TECHNOLOGY-DELHI	12	
	JAMIA MILLIA ISLAMIA-FACULTY OF ENGRG	19	
	KAMLA NEHRU INST OF TECHNOLOGY	0	
	KURUKSHETRA REGIONAL ENGRG COLLEGE	3	
	MADAN MOHAN MALAVIYA ENGRG COLLEGE/U GORAK	17	
	ROORKEE UNIV OF	1	
GUJARAT	BARODA M S UNIVERSITY OF	58	
	GUJARAT UNIV	2	
HONG KONG	CHINESE UNIV OF HONG KONG	116	
	HONG KONG CITY POLYTECHNIC OF	211	
	HONG KONG POLYTECHNIC (COMP)	40	
	HONG KONG UNIV OF	129	
HYDERABAD	ANDHRA UNIV	8	
	CHAITANYA BHARATHI INST OF TECH-HYDERABAD	28	
	G PULLA REDDY ENGRG COLLEGE	0	
	GANDHI INST OF TECHNOLOGY AND MAMAGEMENT	1	
	HYDERABAD UNIV OF	23	
	JAWAHARLAL NEHRU TECH UNIV-HYDERABAD	49	
	JAWAHARLAL NEHRU TECHNOLOGICAL UNIV-KAKINADA	5	
	KSRM COLLEGE OF ENGRG-CUDDAPAH	0	
	OSMANIA UNIV	34	
	REGIONAL ENGRG COLLEGE-WARANGAL	26	
	RVR&JCOP COLLEGE OF ENGRG	8	
SAGI RAMAKRISHNAM RAJU ENGRG COLLEGE (SRKR)	24		
SRI VENKATESWARA UNIV	6		

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**SECTION B**REGION 10 (cont'd)

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>	
KARACHI	NED UNIV OF ENGRG AND TECHNOLOGY	8	
KERALA	CALICUT REGIONAL ENGRG COLLEGE (COMP)	0	
	COCHIN UNIV OF (COMP)	31	
	GOVERNMENT COLLEGE OF ENGRG-CANNANORE	0	
	MAR ATHANASIOUS COLLEGE OF ENGRG	24	
	MODEL ENGRG COLLEGE	1	
	N S S COLLEGE OF ENGRG	0	
	TKM COLLEGE OF ENGRG	22	
	TRICHUR GOVT ENG COLLEGE-U CALICUT	0	
	TRIVANDRUM COLLEGE OF ENGRG (COMP) U KERALA	8	
KHARAGPUR	INDIAN INST OF TECHNOLOGY-KHARAGPUR	29	
MADRAS	ADHIPARASAKTHI ENGRG COLLEGE	0	
	ALAGAPPA CHETTIAR COLLEGE OF ENGRG AND TECH	0	
	ANNA UNIV-COLLEGE OF ENGRG-MADRAS (COMP)	45	
	ANNAMALAI UNIV	42	
	ARULMIGU KALASALINGAM COLLEGE OF ENGRG	16	
	BHARATH INST OF SCIENCE AND TECHNOLOGY	20	
	COIMBATORE INST OF TECHNOLOGY	33	
	CRESCENT ENGRG COLLEGE	8	
	ERODE INST OF ROAD & TRANSPORT TECHNOLOGY	57	
	GOVERNMENT COLLEGE OF ENGRG-SALEM	0	
	GOVERNMENT COLLEGE OF ENGRG-TIRUNELVELI	22	
	HINDUSTAN COLLEGE OF ENGRG	6	
	INDIAN INST OF TECHNOLOGY-MADRAS (COMP)	6	
	KARUNYA INST OF TECHNOLOGY	0	
	KONGU ENGRG COLLEGE	36	
	KUMARAGURU COLLEGE OF TECHNOLOGY	32	
	MADRAS INST OF TECHNOLOGY (COMP, IM)	10	
	MARUTHI COLLEGE OF ENGRG	0	
	MEPCO SCHLENK ENGRG COLLEGE	52	
	MOHAMED SATHAK ENGRG COLLEGE	48	
	MOOKAMBIGAI COLLEGE OF ENGRG	0	
	NATIONAL ENGRG COLLEGE	3	
	PDA COLLEGE OF ENGRG	0	
	PONDICHERRY ENGRG COLLEGE	10	
	PSG COLLEGE OF TECHNOLOGY (COMP)	55	
	PSNA COLLEGE OF ENGRG AND TECH	18	
	REGIONAL ENGRG COLLEGE-	14	
		TIRUCHIRAPALLI (COMP, COMM, PE, EM, EMB)	
		SATHYABAMA ENGRG COLLEGE	277
		SRI RAMASAMY MEMORIAL ENGRG COLLEGE	0
		SRI VENKATESWARA COLLEGE OF ENGRG	19
		TAMILNADU COLLEGE OF ENGRG	14
		THIAGARAJAR COLLEGE OF ENGRG-MADURAI	9
	VELLORE ENGRG COLLEGE/MADRAS UNIV	36	
	VINAYAKA MISSION'S KIRUPANANDA VARIYAR	0	
	ENGRG COLLEGE		
	VLB JANAKIAMMAL COLLEGE OF ENGRG	0	
NEW SOUTH WALES	NEW SOUTH WALES UNIV OF	17	
	WESTERN SYDNEY UNIV OF-NEPEAN	20	
	SYDNEY UNIV OF TECHNOLOGY	66	
NEW ZEALAND SOUTH	CANTERBURY UNIV OF	83	
PAKISTAN	LAHORE UNIV OF ENGRG AND TECH	48	
QUEENSLAND	GRIFFITH UNIV	40	
	JAMES COOK UNIV OF NORTH QUEENSLAND	46	
	QUEENSLAND UNIV OF	50	
	QUEENSLAND UNIVERSITY OF TECHNOLOGY	27	
REPUBLIC OF PHILIPPINES	EAST UNIV OF THE	66	
	PHILIPPINES UNIV OF (COMP)	1	
	SANTO TOMAS UNIV OF	1	
SEOUL	CHUNG-ANG UNIV	16	
	HANYANG UNIV (COMP, CAS, COMM, ED)	45	
	INHA UNIV	40	
	KOREA UNIV	34	
	SEOUL NATIONAL UNIV (COMM)	258	

\* LESS THAN FOUR YEAR IEEE STUDENT BRANCH.

SECTION B

REGION 10

SECTION B

REGION 10 (cont'd)

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
SEOUL	SOGANG UNIV	32
	YONSEI UNIV (COMP, COMM)	119
SINGAPORE	NANYANG TECHNOLOGICAL INSTITUTE	323
	SINGAPORE NATIONAL UNIV OF	175
THAILAND	ASSUMPTION UNIV	185
	CHULALONGKORN UNIV	7
	KING MONGKUT'S INST OF TECH	28
TOKYO	OSAKA UNIV	24
	SHIZUOKA UNIV	5
	TOKYO UNIV OF	62
UTTAR PRADESH	INDIAN INST OF TECHNOLOGY-KANPUR	22
	MORATUWA UNIV OF-SRI LANKA	0

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MEDICINE AND BIOLOGY, EM-ENGINEERING MANAGEMENT, IA-INDUSTRY APPLICATIONS,  
IT-INFORMATION THEORY, IM-INSTRUMENTATION AND MEASUREMENT, Mag-MAGNETICS,  
MTT-MICROWAVE, THEORY AND TECHNIQUES, PE-POWER ENGINEERING, PEL-POWER ELECTRONICS,  
RA-ROBOTICS AND AUTOMATION, SP-SIGNAL PROCESSING, SMC-SYSTEMS, MAN  
AND CYBERNETICS.

SECTION C

TABLE 1 - SOCIETIES/COUNCILS BY DIVISION

Division I - Circuits and Devices

CAS-04	Circuits and Systems
CHMT-21	Components, Hybrids and Manufacturing Technology
ED-15	Electron Devices
LEO-36	Lasers and Electro-Optics
SSC-37	Solid-State Circuits Council

Division II - Industrial Applications

DEI-32	Dielectrics and Electrical Insulation
IA-34	Industry Applications
IM-09	Instrumentation and Measurement
PEL-35	Power Electronics

Division III - Communications Technology

COMM-19	Communications
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Division IV - Electromagnetics and Radiation

AP-03	Antennas and Propagation
BT-02	Broadcast Technology
CE-08	Consumer Electronics
EMC-27	Electromagnetic Compatibility
Mag-33	Magnetics
MTT-17	Microwave Theory and Techniques
NPS-05	Nuclear and Plasma Sciences

Division V - Computer \*

COMP-16	Computer
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Division VI - Engineering and Human Environment

Ed-25	Education
EM-14	Engineering Management
PC-26	Professional Communication
R-07	Reliability
SIT-30	Social Implications of Technology

Division VII - Energy and Power Engineering

PE-31	Power Engineering
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Division VIII - Computer \*

COMP-16	Computer
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Division IX - Signals and Applications

AES-10	Aerospace and Electronic Systems
GRS-29	Geoscience and Remote Sensing
OE-22	Oceanic Engineering
SP-01	Signal Processing
UFFC-20	Ultrasonics, Ferroelectrics and Frequency Control
VT-06	Vehicular Technology

Division X - Systems and Control

CS-23	Control Systems
EMB-18	Engineering in Medicine and Biology
IE-13	Industrial Electronics
IT-12	Information Theory
NN-11	Neural Networks Council
RA-24	Robotics and Automation
SMC-28	Systems, Man, and Cybernetics

\* The Computer Society is represented by two Divisions.

## SECTION C

TABLE 2 - SOCIETY MEMBERSHIP, BY DIVISION, BY SOCIETY, BY GRADE, DECEMBER 31, 1993; 3-YEAR COMPARISON, MEMBERS AND AFFILIATES

SOCIETY CODE	F	SM	M	VOTING MEMBERS SUBTOTAL	A	HIGHER GRADE SUBTOTAL	S	1993 TOTAL MEMBERS	1993 TOTAL AFFIL.	1993 MEMBERS & AFFIL.	1992 MEMBERS & AFFIL.	1991 MEMBERS & AFFIL.
DIVISION I	1,009	2,587	22,957	26,553	2,022	28,575	5,630	34,205	202	34,407	34,759	33,362
CAS-04	395	1,053	12,339	13,787	1,023	14,810	3,502	18,312	19	18,331	18,350	16,619
CHMT-21	98	354	2,539	2,991	421	3,412	222	3,634	35	3,669	3,847	4,096
ED-15	482	1,038	7,302	8,822	621	9,443	1,214	10,657	37	10,694	11,112	11,209
LEO-36	270	586	4,002	4,858	361	5,219	1,414	6,633	113	6,746	6,943	7,068
DIVISION II	488	2,558	14,679	17,725	1,483	19,208	1,654	20,862	16	20,878	21,088	20,948
DEI-32	121	379	1,506	2,006	245	2,251	134	2,385	8	2,393	2,378	2,332
IA-34	242	1,711	7,979	9,932	675	10,607	588	11,195	4	11,199	11,345	11,282
IM-09	155	460	3,735	4,350	481	4,831	524	5,355	3	5,358	5,618	5,864
PEL-35	92	426	3,929	4,447	355	4,802	774	5,576	1	5,577	5,407	5,084
DIVISION III	645	2,360	25,386	28,391	2,795	31,186	4,903	36,089	870	36,959	36,241	41,274
COMM-19	645	2,360	25,386	28,391	2,795	31,186	4,903	36,089	870	36,959	36,241	33,944
DIVISION IV	1,024	2,995	19,654	23,673	2,128	25,801	3,717	29,518	229	29,747	30,702	24,203
AP-03	376	1,045	5,647	7,068	471	7,539	1,334	8,873	3	8,876	8,986	8,957
BT-02	88	282	1,867	2,237	382	2,619	404	3,023	7	3,030	2,933	2,855
CE-08	107	356	4,016	4,479	604	5,083	884	5,967	5	5,972	6,368	5,953
EMC-27	143	486	3,158	3,787	381	4,168	341	4,509	4	4,513	4,323	4,120
Mag-33	160	458	2,505	3,123	328	3,451	359	3,810	68	3,878	3,984	3,996
MTT-17	420	1,116	6,405	7,941	487	8,428	1,391	9,819	6	9,825	10,513	10,856
NPS-05	157	348	2,041	2,546	213	2,759	285	3,044	138	3,182	3,293	3,269
DIVISIONS V & VIII	770	3,028	48,735	52,533	6,494	59,027	9,725	68,752	29,192	97,944	98,825	101,503
COMP-16	770	3,028	48,735	52,533	6,494	59,027	9,725	68,752	29,192	97,944	98,825	101,503
DIVISION VI	467	1,947	13,048	15,462	1,610	17,072	1,575	18,647	345	18,992	19,741	19,816
Ed-25	223	590	1,872	2,685	217	2,902	330	3,232	5	3,237	3,260	3,207
EM-14	124	765	7,091	7,980	748	8,728	794	9,522	140	9,662	10,018	9,949
PC-26	30	240	1,599	1,869	356	2,225	232	2,457	176	2,633	2,642	2,657
R-07	93	369	2,468	2,930	337	3,267	139	3,406	10	3,416	3,974	4,259
SIT-30	103	290	1,751	2,144	247	2,391	306	2,697	16	2,713	2,814	2,858
DIVISION VII	643	4,289	17,366	22,298	1,296	23,594	1,783	25,377	5	25,382	25,598	25,110
PE-31	643	4,289	17,366	22,298	1,296	23,594	1,783	25,377	5	25,382	25,598	25,110
DIVISION IX	816	2,623	22,601	26,040	1,887	27,927	5,833	33,760	123	33,883	33,885	28,368
AES-10	269	842	5,328	6,439	455	6,894	1,039	7,933	11	7,944	8,560	9,130
GRS-29	91	247	1,802	2,140	218	2,358	358	2,716	58	2,774	2,796	2,821
OE-22	89	208	1,295	1,592	171	1,763	251	2,014	6	2,020	2,411	2,329
SP-01	359	1,192	13,214	14,765	971	15,736	3,996	19,732	39	19,771	19,239	16,929
UFFC-20	107	230	1,514	1,851	163	2,014	193	2,207	5	2,212	2,199	2,156
VT-06	135	476	3,489	4,100	312	4,412	748	5,160	5	5,165	4,927	4,185
DIVISION X	781	2,463	23,317	26,561	2,388	28,949	7,851	36,800	291	37,091	36,343	34,985
CS-23	274	809	8,266	9,349	758	10,107	2,625	12,732	27	12,759	12,288	11,759
EMB-18	160	591	5,844	6,595	616	7,211	2,071	9,282	144	9,426	9,249	8,530
IE-13	134	613	4,200	4,947	529	5,476	629	6,105	1	6,106	6,403	6,271
IT-12	285	487	4,019	4,791	353	5,144	1,612	6,756	22	6,778	7,070	6,623
RA-24	109	347	3,851	4,307	460	4,767	1,991	6,758	47	6,805	6,876	6,887
SMC-28	129	405	3,309	3,843	395	4,238	1,186	5,424	55	5,479	5,570	5,376
TOTAL SOCIETY MEMBERS	3,631	15,673	136,230	155,534	14,456	169,990	25,721	195,711	30,963	226,674	225,510	222,678
TOTAL SOCIETY MEMBERSHIPS	8,078	28,476	231,369	267,923	24,939	292,862	48,281	341,143	31,285	372,428	376,360	370,043









SECTION C

TABLE 3 - SOCIETY MEMBERSHIP, BY REGION, BY SECTION, BY SOCIETY - 1993

REGION 6	TOTAL SOCIETY MEMBERS	TOTAL AFFILIATES	SP 1	BT 2	AP 3	CAS 4	NPS 5	VT 6	R 7	CE 8	IM 9	AES 10	IT 12	IE 13	EM 14	ED 15	COMP 16	MTT 17	EMB 18	COMM 19	UFFC 20	CHMT 21	OE 22	CS 23	RA 24	Ed 25	PC 26	EMC 27	SMC 28	GRS 29	SIT 30	PE 31	DEI 32	Mag 33	IA 34	PEL 35	LEO 36
ALAMOGORDO-HOLLOMAN	54	2	4	0	12	4	0	0	0	1	3	4	1	0	4	0	6	5	0	1	0	0	1	4	1	0	0	0	0	0	3	0	0	0	0	0	
ALASKA	337	45	10	4	13	9	2	4	2	6	9	9	4	8	7	2	47	1	3	54	1	0	4	12	5	3	2	2	2	8	5	68	2	3	17	7	2
ALBUQUERQUE	1289	137	71	6	73*	50	88	8	20*	7	28	42	10	15	26	84	193	49*	30	55	9	31	5	42	26	19	12	52*	22	18	13	66	11	15	20	10	63*
BOISE	328	27	6	5	6	24	2	0	6	4	2	4	2	5	9	44	57	3	2	14	0	10	2	14	6	3	4	3	1	3	49	1	10	18	3	3	
BUENAVENTURA (LAC)	984	102	48	12	57*	54*	7*	9*	12*	18	21*	45*	7	11*	32*	70*	174*	97*	24*	81*	11*	16*	2	28	9	5*	4*	17*	5	3*	8*	23*	2	22*	14*	10*	26*
CHINA LAKE (LAC)	254	45	14	2	22*	13*	3*	3*	3*	3	6*	24*	4	1*	5*	4*	50*	17*	2*	8*	1*	1*	1	14	2	5*	2*	6*	5	4*	2*	14*	1	2*	7*	1*	2*
EASTERN MONTANA	64	4	0	0	0	2	0	0	1	1	1	0	0	1	2	0	10	0	3	4	0	1	0	1	0	0	1	0	0	0	1	30*	1	0	3	1	0
FOOTHILL (LAC)	1142	142	52	12	42*	37*	9*	17*	12*	18	23*	43*	15	18*	42*	21*	207*	53*	33*	100*	5*	14*	5	31	23	22*	9*	21*	10	13*	6*	103*	6	21*	58*	20*	21*
FORT HUACHUCA	130	17	1	1	6	0	0	2	1	2	1	4	1	0	4	1	43	3	1	39	0	1	0	0	0	0	2	4	1	0	1	7	0	0	1	2	1
HAWAII	433	87	14	5	6	11	2	3	1	5	3	3	13	5	6	9	117	5	11	75	3	1	14*	13	4	3	3	4	1	4	2	48	2	3	24	3	5
IDAHO	141	26	4	1	6	13	9	2	1	1	5	1	2	2	6	5	25	4	2	4	0	3	1	9	2	1	1	2	2	0	18	0	0	7	0	2	
LAS VEGAS	243	28	17	4	6	15	6	0	2	7	6	13	4	2	4	5	49	6	6	17	0	2	0	5	3	3	2	1	2	6	1	37*	2	1	3	2	4
LOS ALAMOS	334	75	24	2	6	16	41	3	3	5	11	10	7	3	8	8	49	16	10	18	4	2	0	12	3	2	7	5	2	6	6	10	3	3	4	3	22*
METROPOLITAN LOS ANGELES (LAC)	967	94	70	13	20*	60*	13*	22*	7*	17	6*	17*	41	10*	20*	16*	200*	17*	30*	95*	3*	3*	4	36	18	8*	5*	7*	25	7*	11*	80*	5	10*	31*	8*	32*
MONTANA	163	16	7	0	0	7	0	1	1	0	1	6	3	1	4	2	25	1	2	12	1	2	0	15	1	1	3	1	2	3	0	45	0	1	7	4	4
NORTHERN NEVADA	309	19	6	1	11	15	1	3	1	8	1	9	3	8	8	7	58	12	14	22	2	3	2	11	7	2	2	5	3	4	5	45	3	3	11	8	5
OAKLAND-EAST BAY (SFBAC)	4520	576	238	33	55*	356	122*	70*	30	70	49	46	72	55	104	226	995*	88	130	515*	22	54*	23	134	77	21	27	61	48	29	44*	302*	18	73	193*	55	85*
ORANGE COUNTY (LAC)	3579	443	201*	23	100*	231*	43*	46*	47*	82	36*	149*	54	55*	106*	108*	810*	95*	109*	314*	33*	58*	18	100	53	15*	22*	56*	43	21*	20*	184*	8	54*	151*	68*	66*
OREGON	3007	322	109*	31	33	237*	12	31	18	55	45*	17	33	46	90*	140*	687*	56*	66*	198*	15*	38*	20	71*	38	14	26	38	27	13	37	439*	14	18	203*	47	45*
PHOENIX	3380	243	127*	23	66*	274	27	41	54	66	38	95*	27	24	128	287*	688*	144*	61	320*	28*	150*	10	73	34	33	27	38*	34	10	24	243*	16	19	45	46	60*
RICHLAND	310	39	9	1	1	11	13	1	5	1	10	5	2	3	12	2	64*	1	6	12	5	0	2	16	11	4	5	0	4	4	65*	0	3	19	1	8	
SACRAMENTO	1574	173	92	24	23	113	5	32*	15	41	13	28	18	20	38	49	364*	31	57	166*	7	15	3	50	35	19	9	9	20	5	11	170*	2	7	45*	7	31*
SAN DIEGO	3677	367	300*	38	106*	188	70*	81	51	86	48*	97*	117	33	100*	140*	670*	117*	119	416*	22	57*	75*	89*	42	17	18	74*	47	31	18	173*	12	51*	48	52*	74
SAN FERNANDO VALLEY (LAC)	1797	192	95	24	87*	102*	24*	19*	22*	40	29*	107*	32	20*	64*	39*	350*	112*	51*	140*	8*	22*	10	57	25	13*	12*	29*	26	17*	8*	80*	4	21*	37*	31*	40*
SAN FRANCISCO (SFBAC)	2112	366	95	24	30*	108	17	41*	9	42	29	27*	24*	26	64	65	494*	59*	82	243*	8	20*	11	48*	22	2	12	23	23*	10	16*	235*	9	16*	118*	27	33*
SAN GABRIEL VALLEY (LAC)	1251	109	75	6	56*	53*	22*	10*	12*	18	17*	42*	36	20*	21*	47*	198*	67*	30*	106*	11*	12*	4	44	35	6*	4*	12*	18	45*	8*	79*	7	19*	39*	23*	49*
SANTA BARBARA (LAC)	835	64	62	4	34*	46*	9*	7*	8*	15	12*	30*	16	7*	12*	49*	141*	41*	16*	67*	7*	9*	7	31	11	10*	4*	15*	3	15*	7*	42*	0	25*	7*	9*	57*
SANTA CLARA VALLEY (SFBAC)	14774	1608	818*	95	240*	1347	100*	149*	183*	333	161*	223*	240*	126	432*	1270*	3887*	530*	259*	1520*	122*	296*	57	290*	166	50	60	199*	140*	76	106*	336*	40	381*	114*	146	282*
SANTA MONICA BAY (LAC)	1566	153	88	7	74*	77*	38*	20*	20*	27	12*	77*	56	13*	28*	75*	338*	99*	49*	164*	7*	15*	7	58	16	5*	5*	12*	24	22*	19*	24*	2	15*	15*	7*	51*
SEATTLE	3956	549	218	31	120*	204*	22	68	31	58	68	140*	38	40	104	56	821*	66*	172*	321*	52	29	97*	118	42	33	40*	66*	42	38	41	444*	12	10	194*	76*	44
SOUTH BAY HARBOR (LAC)	2236	214	122	15	109*	109*	27*	28*	29*	41	19*	117*	40	26*	55*	114*	417*	180*	54*	227*	10*	34*	9	73	33	12*	11*	32*	25	22*	17*	53*	6	23*	58*	45*	44*
SPOKANE	492	48	23	0	15*	36*	3	3	5	9	8	5	11	8	17*	10*	89*	14	10	28	3	6	2	32*	7	11	3	8	4	5	5	81*	0	1	15*	8	7
TUCSON	883	84	52	3	33*	45	22	4	17	7	7	21	18	6	25	36	168*	29*	31	62*	5	14	1	35	20	11	2	13*	29	25	11	57*	1	15	15	11	32
VANDENBERG	1177	171	67	13	55	55	0	11	12	25	21	27	22	19	27	27	266	30	72	101	11	5	5	17	22	11	10	16	14	10	7	72	2	12	34	11	27
WENATCHEE	99	8	7	1	5	3	0	2	1	2	3	4	0	0	0	3	18	5	2	15	1	0	0	2	0	2	0	0	0	0	0	0	0	0	3	0	0
TOTALS	58443	6599	3167	465	1510	3923	766	741	642	1121	752	1492	980	636	1615	3021	12779	2053	1549	5535	418	925	403	1617	800	367	357	833	657	475	470	3759	194	860	1580	752	1229

\*=CHAPTER OR JOINT CHAPTER ESTABLISHED

SECTION C

TABLE 3 - SOCIETY MEMBERSHIP, BY REGION, BY SECTION, BY SOCIETY - 1993

REGION 7	TOTAL SOCIETY MEMBERS	TOTAL AFFILIATES	SP 1	BT 2	AP 3	CAS 4	NPS 5	VT 6	R 7	CE 8	IM 9	AES 10	IT 12	IE 13	EM 14	ED 15	COMP 16	MTT 17	EMB 18	COMM 19	UFFC 20	CHMT 21	OE 22	CS 23	RA 24	Ed 25	PC 26	EMC 27	SMC 28	GRS 29	SIT 30	PE 31	DEI 32	Mag 33	IA 34	PEL 35	LEO 36
CANADIAN ATLANTIC (ECC)	256	32	18	4	6	14	1	5	1	5	2	6	2	1	9	1	44*	6	10	22	3	1	19*	7	5	3	2	3	1	4	3	24*	3	0	15*	3	3
HAMILTON (CCC)	708	30	42	1	12	25*	9	11	6	20	6	10	13*	21	19	16	135*	17	20	51*	6	5	1	24*	21	8	8	1	8	2	9	75*	10*	6	65*	12	13
KINGSTON (CCC)	444	9	15	2	7	18	2	10	1	6	3	7	51	8	2	5	84*	8	14	58*	0	1	2	23	16	1	10	9	25	10	7	32	12*	7	18	14	13
KITCHENER-WATERLOO (CCC)	734	48	43*	5	18*	43*	4	6	11	12	4	13	23*	11	20	26*	160*	32*	19	55*	1	1	3	37*	25	5	10	9	25	10	7	32*	7*	3	25	7	4
LONDON (CCC)	318	14	19	5	6	10	1	4	1	18	8	7	4	9	6	3	57*	2	16	21	2	2	3	11	7	2	3	5	3	4	1	32*	3	25	7	4	
MONTREAL (ECC)	2946	179	178	31	82*	122*	23	71*	28	29	54	67*	70*	59*	70	34*	557*	71*	87*	324*	19	19	8	120	70	20	15	52*	46	16	22	286*	46*	22	113*	58	57
N SASKATCHEWAN (WCC)	230	8	15	0	4	12	2	2	4	1	10	4	2	7	2	0	47	3	7	28	1	0	1	11	6	4	0	2	9	1	2	22	2	4	12	2	1
NEW BRUNSWICK (ECC)	300	17	8	4	7	6	2	3	1	8	2	0	33	2	10	0	44*	35	10	58*	1	0	1	7	1	5	4	2	0	0	3	23	0	0	16	2	2
NEWFOUNDLAND-LABRADOR (ECC)	112	7	10	0	8	3	1	2	0	1	2	3	0	3	1	0	16	3	1	10	1	0	8	3	0	0	0	1	5	2	11	3	1	8	4	0	
NORTHERN CANADA (WCC)	779	50	21	6	13	28	4	12	8	10	13	17	5	16	27	8	163*	14	22	101*	1	1	1	39	14	5	15	7	13	2	11	106*	2	3	52*	7	12
OTTAWA (ECC)	2506	182	151*	19*	77*	162*	9	62*	24*	42*	35*	76*	50	26	82*	69*	541*	87*	35*	495*	7	13	12	44	39	12	26*	45*	34	29	25	57*	10*	7	29	17	58*
PETERBOROUGH (CCC)	122	4	2	0	1	0	0	0	0	0	2	1	1	6	5	0	15	2	1	8	1	2	1	4	4	5	4	2	2	0	3	26	3	4	16	1	0
QUEBEC (ECC)	362	30	31	1	12	13	1	4	2	4	7	16	8	2	2	2	81*	6	9	36	0	1	2	16	14	1	3	1	13	6	2	24	3	0	11	2	20
S SASKATCHEWAN (WCC)	163	13	2	2	1	9	0	2	0	5	5	6	1	5	6	2	38*	0	2	21	0	0	1	5	5	0	5	0	0	2	3	17*	2	0	11*	2	3
SAINT MAURICE (ECC)	60	0	2	0	0	1	1	1	0	1	6	0	0	3*	3	0	9	1	1	0	1	1	0	3	1	5	0	0	1	7	1	0	5	5	0		
SOUTHERN ALBERTA (WCC)	943	65	72	5	11	47	3	26	6	19	13	17	29	28	30	5	178*	25	19*	108*	2	4	4	39	17	10	12	4	13	13	8	92*	4	3	56*	13	8
TORONTO (CCC)	3919	289	158*	65	68*	205*	22	89*	25*	116*	52*	88*	61	81	94*	38*	875*	52*	86	486*	21*	20*	18*	136	113	28*	34*	40*	46	32*	41*	347*	51*	32	169*	76	54*
VANCOUVER (WCC)	1805	120	101	19	30*	69	17	40*	12	47	24	28*	33	34*	45*	23	347*	34	39	210*	4	8	16	75*	38*	11	18*	16	23	22	20	207*	12*	12	118*	30	23
VICTORIA (CAN) (WCC)	390	22	27	2	14	20	3	14	0	6	8	6	8	7	9	1	77*	18	11	36	0	1	26*	18	15	4	4	2	6	3	6	19	0	1	9	6	3
WINNIPEG (WCC)	551	30	18	11	29*	19	5	7*	3	12	9	10	9	13	12*	2	109*	16*	14*	37*	0	1	1	18	12	6*	10*	11	4	5	9	83*	11	7	27	8	3
TOTALS	17648	1149	933	182	406	826	110	371	133	362	265	382	403	348	454	235	3577	432	423	2165	71	81	128	640	423	135	176	203	254	159	178	1539	184	116	788	279	287

SECTION C

TABLE 3 - SOCIETY MEMBERSHIP, BY REGION, BY SECTION, BY SOCIETY - 1993

REGION 8	TOTAL SOCIETY MEMBERS	TOTAL AFFILIATES	SP 1	BT 2	AP 3	CAS 4	NPS 5	VT 6	R 7	CE 8	IM 9	AES 10	IT 12	IE 13	EM 14	ED 15	COMP 16	MTT 17	EMB 18	COMM 19	UFFC 20	CHMT 21	OE 22	CS 23	RA 24	Ed 25	PC 26	EMC 27	SMC 28	GRS 29	SIT 30	PE 31	DEI 32	Mag 33	IA 34	PEL 35	LEO 36
AUSTRIA	1159	102	81	8	24	84	8	23	17	18	32	19	42	19	20	23	246	27	43*	119	16	8	2	35	26	16	9	30*	29	10	14	31	9	15	15	23	18
BENELUX	3518	412	216*	15	95*	262*	40	46*	51	72*	81	59	117*	44	90	141	781	95*	110	404*	18	31	12	154	58	44	19	66	72	41	28	69	19	37	36	43	52
CENTRAL & SOUTH ITALY	1961	174	152*	24	87*	111	12	23	19*	22	48	73*	73	48	28	40	305	86*	56	188	20	14*	17	87	59	21	12	51	60	46	9	38	5	23	36	39	29
CROATIA	133	4	6	1	1	4	3	1	3	1	6	1	3	9	2	3	21	1	2	5	2	2	0	12	4	4	0	4	7	0	1	5	1	3	7	7	1
CYPRUS	111	7	5	2	6	3	0	1	0	1	1	3	1	1	4	0	23	2	3	32	0	0	0	2	2	0	1	1	1	0	0	12	0	0	1	3	0
CZECHOSLOVAKIA	194	5	15	1	8*	11	2	2	2	1	6	10	6	6	6	10	12	16*	10	10	4	6	0	8	4	3	2	3	3	0	0	5	5	3	3	4	7
DENMARK	959	56	84	8	47	55	6	14	12	13	24	9	22	27	13	18	161	42	21	84	11	13	5	49*	21*	8	2	13	24	9	9	39	7	6	20	37	26
EGYPT	693	15	39	7	38*	51	4	7	6	11	6	17	12	28	7	14	103*	30*	13	78	2	3	4	41*	18	16	7	4	14	4	2	48*	13	4	20	12	10
FINLAND	944	80	96*	10	30*	67*	8	30	10	24	13	20	31	14	30	14	159*	33*	22	102	6	12	7	43	25	13	6	13	24	22	13	11	4	6	8	6	12
FRANCE	3500	263	250*	26	115	202	58	55	53	50	75	95	109*	59	55	139	511*	154*	79	295*	49	65	43*	153	73	54	14	76*	106	51	9	120*	47	69	64	53	74*
GERMANY	5736	753	400	51	193*	508*	30	115	62	78	99	81	166	93	103	248*	1114*	304*	104*	576	53	66	17	185	130	46	43	119	127	58	43	125*	41	67	82	76	131
GREECE	1762	62	145	27	51	100	3	41	15	17	29	46	56	53	52	18*	283	42*	54	218*	2	10	7	101*	56	25	10	17	64	20	12	68*	6	12	45	28	29
HUNGARY	160	2	11	2	6*	10	3	3	2	2	2	3	5	4	1	5*	15	8*	3	15*	1	2	0	6	4	2	0	3	3	0	26	1	0	2	3	4	
IRAN	602	2	41	4	25	35	2	7	8	11	19	16	14	21	12	16	67	25	23	40	4	5	1	38	13	10	4	9	18	3	4	38	9	8	25	23	4
ISRAEL	1529	94	162	8	60*	76*	11	35*	26	15	14	53	75*	28*	36*	34*	257*	60*	42	185*	9	15	4	49*	28	12	20	26*	41	10	7	28*	6	18	20*	24	35
KENYA	162	0	5	3	2	5	0	2	0	4	6	0	3	9	11	1	32	2	0	17	0	1	0	6	1	3	1	0	0	1	3	22	3	3	7	9	0
KUWAIT	106	2	6	0	3	6	1	0	2	3	0	2	2	2	3	1	25	3	2																		

## SECTION C

TABLE 3 - SOCIETY MEMBERSHIP, BY REGION, BY SECTION, BY SOCIETY - 1993

REGION 9	TOTAL SOCIETY MEMBERS	TOTAL AFFILIATES	SP	BT	AP	CAS	NPS	VT	R	CE	IM	AES	IT	IE	EM	ED	COMP	MTT	EMB	COMM	UFFC	CHMT	OE	CS	RA	Ed	PC	EMC	SMC	GRS	SIT	PE	DEI	Mag	IA	PEL	LEO
SECTION			1	2	3	4	5	6	7	8	9	10	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36
ARGENTINA	2582	14	185	32	56	144	13	14	13	29	59	30	62	97*	70*	12	519*	21	163*	290*	12	10	6	208*	108*	43	16	14	52	14	21	85*	21	15	76	52	20
BAHIA (BC)	191	0	7	3	3	3	1	2	2	1	5	0	9	3	5	2	23	2	4	16	0	0	0	6	6	5	2	1	2	0	3	36*	3	1	29*	5	1
BRASILIA (BC)	154	1	12	1	6	7	1	2	2	1	2	2	3	3	3	5	20	6	2	10	0	1	2	9	7	5	0	0	1	5	2	17	2	3	5	4	3
CENTRO OCCIDENTE (MC)	114	0	0	3	0	8	0	0	2	0	9	0	0	4	8	1	11	0	2	3	0	0	0	4	6	1	0	1	2	0	2	22	4	4	6	10	1
CHILE	548	10	17	3	7	15	3	4	5	7	12	8	5	15*	19	2	112*	3	16	68*	0	3	2	49*	24*	13	6	6	8*	3	3	51*	3	1	34*	18*	3
COLOMBIA	630	6	21	5	10	18	2	5	8	11	7	21	7	29	16	1	91	6	27	67	2	1	6	57	38	11	3	4	5	3	8	54	5	4	42	24	11
COSTA RICA (CAPC)	144	1	4	4	3	7	1	1	1	4	5	2	0	6	7	0	16	3	2	16	0	0	0	9	3	0	1	0	0	0	3	29*	3	1	6	4	3
ECUADOR	83	0	1	2	1	1	0	1	0	0	3	0	0	4	4	2	13	1	3	11	0	0	0	1	1	2	1	0	2	1	1	13	1	1	9	4	0
EL SALVADOR (CAPC)	76	0	0	1	1	1	0	1	0	0	2	1	0	1	7*	0	11*	0	3	8*	0	1	0	1	3	2	0	2	1	0	0	13*	0	0	15*	1	0
GUADALAJARA (MC)	259	0	3	4	4	15	0	4	1	2	5	6	2	13*	8	1	48*	1	14	21	0	0	0	29	20	6	0	0	5	0	2	18*	1	2	4	11	9
GUATEMALA (CAPC)	125	0	2	2	2	1	1	1	0	4	4	1	0	4	28*	0	10*	2	3	16*	0	1	0	3	1	0	0	1	1	0	19*	3	0	10	3	1	
HONDURAS (CAPC)	25	1	1	0	0	1	0	0	0	1	1	0	0	0	1	0	2	0	0	2	0	0	0	0	0	0	0	0	0	0	10*	0	0	1	1	0	
MEXICO (MC)	2482	24	139	26	66	154	9	23	10	40	68	43	30	76*	53*	19	424*	24	92*	295*	13	10	5	146*	165	30*	19*	12	46	5	14	174*	43	12	86*	55	56
MONTERREY (MC)	389	2	8	2	6	19	1	3	0	6	26	8	1	15	8	0	68	0	3	23	0	0	0	42	20	7	3	0	11	0	3	55	6	0	26	16	3
MORELOS (MC)	180	0	7	1	2	2	2	3	2	2	6	2	2	2	4	1	39*	0	1	5	2	1	2	14	5	3	5*	2	2	2	30*	4	2	5	15*	1	
PANAMA (CAPC)	251	0	8	5	7	18	0	2	0	2	2	2	2	4	17	0	42*	1	8	30	1	0	3	9	13	4	4	0	5	1	3	34*	2	0	18*	2	2
PERU	495	0	22	4	9	26	2	7	2	6	10	9	8	21	23	2	67*	4	16	53*	0	3	1	42	38	5	2	1	16	1	2	38*	5	3	25	15	7
PUERTO RICO & CARIBBEAN (CC)	652	18	11	13	15	22	2	6	2	11	16	10	7	13	54*	1	102*	8	9	88*	0	2	3	27	10	13	10	4	3	2	5	126*	4	1	36	13	3
RIO DE JANEIRO (BC)	559	14	45	7	22*	35*	2	3	3	6	13	2	9	24	9	3	60*	13*	11	38	1	2	6	30	17	8	3	6	10	3	4	83*	7	8	37*	23	6
SOUTH BRAZIL (BC)	841	26	52	6	10	51*	1	6	7	17	17	11	22	23	25*	14	117*	16*	27*	69*	3	7	1	56*	24	23	8	10	27	6	7	75*	7	6	48*	33	9
URUGUAY	262	5	11	3	5	13	0	0	0	1	11*	0	4	9	6	0	56*	1	11	37*	2	0	0	20	8	1	1	2	4	1	0	23*	1	3	11	16	1
VENEZUELAN	1067	8	28	10	24	23	2	5	3	14	34	4	123	39	19	6	82*	137*	19	91*	3	0	1	61	31	12	8	5	6	0	3	198*	4	3	37	26	6
WESTERN PUERTO RICO (CC)	201	5	7*	2	4	26*	0	0	0	3	6	2	0	4	3	2	40*	7	5	8	0	1	0	14	6	7	3	2	1	5	1	21	1	0	8	8	4
MEMBERS OUTSIDE SECTIONS	396	10	13	7	9	22	1	4	1	3	6	1	8	19	25	1	59	4	6	42	2	3	1	36	17	9	5	2	2	1	4	50	3	0	16	11	3
TOTALS	12706	145	604	146	272	632	44	97	64	171	329	165	304	428	422	75	2032	260	447	1307	41	46	39	876	571	210	101	75	212	52	94	1274	133	70	590	370	153

## SECTION C

TABLE 3 - SOCIETY MEMBERSHIP, BY REGION, BY SECTION, BY SOCIETY - 1993

REGION 10	TOTAL SOCIETY MEMBERS	TOTAL AFFILIATES	SP	BT	AP	CAS	NPS	VT	R	CE	IM	AES	IT	IE	EM	ED	COMP	MTT	EMB	COMM	UFFC	CHMT	OE	CS	RA	Ed	PC	EMC	SMC	GRS	SIT	PE	DEI	Mag	IA	PEL	LEO	
SECTION			1	2	3	4	5	6	7	8	9	10	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	
AUST CAPITAL TERR (ACT) (AUSC)	374	47	52	8	16	18	0	3	4	9	6	9	14	9	6	0	61	0	5	55	0	0	0	26	6	2	5	1	0	0	0	1	0	3	1	0	5*	
BANGALORE (IC)	568	10	23	1	8	38	1*	1	3	15	10	14*	2	41*	9*	9*	119*	8*	13	69*	1	4*	0	33	11	5	7	4	2	3	0	53*	2	3	25*	24	6*	
BANGLADESH	72	0	0	0	0	2	0	0	1	0	0	1	0	5	5	0	21	0	1	7	0	0	1	0	0	1	0	0	0	0	0	22	0	0	2	2	1	
BEIJING	901	15	66*	9	41*	64*	8	13	12	15	21	16	22*	25*	14	47*	82*	71*	15	67*	19	25*	2	41*	14	8	4	30*	14	5	2	48*	12	15	18	14	22	
BOMBAY (IC)	567	19	21	2	5	10	2*	3	5	9	11	3*	6	29*	17*	3*	198*	5*	14	51*	1	8*	1	18*	10	5	7	2	8	0	2	30*	10	11	28*	21	11*	
CALCUTTA (IC)	295	1	5	0	13	18	3*	1	0	3	8	4*	1	10*	7*	9*	72*	9*	2	17*	2	1*	0	6	8	4	1	5	3	1	2	37*	4	3	17*	11	8*	
CHANGWON (KC)	409	11	28*	2	8	23*	7	7	4	3*	10	8	12	24	4	7*	39*	9*	9	16*	4	5	6	22	18*	3	4	4	15	50	11	0	16	7	18	29	19*	33*
DAEJON (KC)	1213	15	99*	8	27	84*	8	47	12	14*	18	24	64	42	5	49*	172*	58*	10	156*	13	4	2	63	43*	9	4	15	50	11	0	16	7	18	29	19*	33*	
DELHI (IC)	499	6	13	3	5	19*	2*	3	6	8	11	4*	49	12*	18*	9*	87*	56*	5	40*	0	5*	0	9*	5	4	2	4	7	1	3	83*	3	2	7*	7	7*	
GUJARAT (IC)	117	0	0	0	0	0	0	0	1	1	7	0*	0	11	6	0	32*	0	3	12*	0	1*	0	9	1	0	0	0	0	0	0	7	3	0	12	9	2*	
HONG KONG	2787	235	195*	35	46	183*	3	42	11	117	25	24	63	44	75	35*	799*	45	25	451*	6	33	1	76	50	7	25	16	43	5	11	138*	14	11	37*	57	39	
HYDERABAD (IC)	290	9	12	2	8	14	1*	1	2	6	6	5*	9	8*	4*	7*	100*	10*	5	21*	2	0*	0	14	6	2	2	2	5	2	1	18*	1	4	5*	4	1*	
INDONESIA	795	78	42	14*	22*	30	2	9	10	23	20	17*	13	28	48	7	126*	16*	13	92*	5	10	6	52	24	15	13	7	12	6	16	31	6	4	24	18	14	
KARACHI	80	0	1	0	2	3	1	1	0	0	1	2	1	1	3	0	30	0	2	10	0	0	1	2	1	1	0	0	0	0	0	14	0	1	0	2	0	
KERALA (IC)	129	1	3	2	3	6	0	0	0	3	1	2*	1	7*	7	2*	41*	3	6	5*	1	1*	0	2	3	1	2	2	1	2	11*	1	0	4*	3	2*		
KHARAGPUR (IC)	84	0	6	0	4	3	0	0	1	1	2	0*	0	3*	0	6*	16*	6*	0	4*	0	0*	0	13	1	1	0	1	5	0	0	4*	1	0	3*	1	2*	
MADRAS (IC)	555	5	16	3	5	10	0*	1	8	10	12	6*	3	19*	23*	5*	213*	6*	32	41*	4	1*	0	19	11	4	15	5	6	1	8	22*	3	6	21*	12	4*	
MALAYSIA	539	66	13	2	10	15	2	4	11	17	15	5	5	16	31	14	136	9	2	65*	2	12	0	20	9	8	7	3	6	4	3	53*	5	5	15	10	5	
NEW SOUTH WALES (AUSC)	2556	194	168*	19	69*	91	10																															

## SECTION C

TABLE 4 - NUMBER OF IEEE SOCIETY MEMBERSHIPS HELD BY IEEE MEMBERS,  
BY REGION, BY SECTION, DECEMBER 31, 1993

NUMBER OF IEEE SOCIETY MEMBERSHIPS										
REGION 1										
SECTION	0	1	2	3	4	5	6-15	16-25	26-34	ALL
BERKSHIRE	110	62	21	6	3	0	0	0	0	0
BINGHAMTON	283	260	85	28	11	4	3	0	0	0
BOSTON (CNEC)	3547	3963	1569	543	192	78	95	0	1	1
BUFFALO	472	290	108	46	16	7	8	0	0	0
CONNECTICUT	1838	1201	429	162	58	14	30	0	0	0
ITHACA	87	151	74	27	11	4	3	0	0	0
LONG ISLAND (METSAC)	2170	973	313	124	54	21	21	1	2	0
MAINE (CNEC)	308	186	64	28	6	4	8	0	0	0
MID-HUDSON	510	469	127	39	8	4	5	0	0	0
MOHAWK VALLEY	281	196	88	32	15	6	12	0	0	0
NEW HAMPSHIRE (CNEC)	783	630	214	76	21	7	7	0	0	0
NEW JERSEY COAST (METSAC)	1223	1035	343	114	36	14	11	1	1	0
NEW YORK (METSAC)	2870	1986	706	245	94	45	51	4	0	1
NORTH JERSEY (METSAC)	2499	1725	645	218	96	24	23	0	0	0
PRINCETON-CTRL JERSEY (METSAC)	1260	1109	420	149	48	17	19	0	0	1
PROVIDENCE (CNEC)	686	504	178	65	22	7	12	0	0	0
ROCHESTER	591	593	192	61	24	8	6	1	0	0
SCHENECTADY	409	579	214	77	39	11	7	1	1	0
SPRINGFIELD	166	173	73	35	13	5	3	0	0	0
SYRACUSE	363	328	135	50	13	5	12	0	0	0
VERMONT	255	238	56	21	7	0	2	0	0	0
WORCESTER COUNTY (CNEC)	392	441	134	44	17	8	8	0	0	0
<b>TOTAL REGION 1</b>	<b>21103</b>	<b>17092</b>	<b>6188</b>	<b>2190</b>	<b>804</b>	<b>293</b>	<b>346</b>	<b>8</b>	<b>5</b>	<b>3</b>

NUMBER OF IEEE SOCIETY MEMBERSHIPS										
REGION 2										
SECTION	0	1	2	3	4	5	6-15	16-25	26-34	ALL
AKRON	429	310	111	35	11	7	6	1	0	0
ALLEGHENY MOUNTAIN	44	14	8	3	0	2	1	0	0	0
BALTIMORE	1779	1632	587	192	50	29	20	0	0	0
CENTRAL PENNSYLVANIA	327	224	84	30	13	5	6	1	0	0
CINCINNATI	471	276	97	49	19	4	9	0	0	0
CLEVELAND	740	612	239	85	27	16	12	0	0	0
COLUMBUS	683	612	221	73	32	8	14	0	0	0
DAYTON	672	509	218	67	26	10	9	0	0	0
DELAWARE BAY	218	211	68	27	9	7	3	0	0	0
EASTERN SHORE	107	51	14	6	1	1	1	0	0	0
ERIE	119	59	28	10	4	3	0	0	0	0
JOHNSTOWN	114	56	17	5	3	1	0	0	0	0
LEHIGH VALLEY	729	587	176	54	13	14	7	0	0	0
LIMA	138	33	6	5	1	0	1	0	0	0
NORTH CENTRAL OHIO	39	24	9	1	2	0	0	0	0	0
NORTHERN VIRGINIA (NCAC)	2322	2321	905	319	138	60	59	0	0	0
OHIO VALLEY	59	31	10	1	2	1	0	0	0	0
PHILADELPHIA	2803	1891	725	229	87	40	34	1	0	1
PITTSBURGH	1153	1080	369	136	48	20	14	1	0	0
SHARON	127	63	20	11	3	0	1	0	0	0
SOUTHERN NEW JERSEY	123	67	19	6	2	1	0	0	0	0
SUSQUEHANNA	420	243	83	15	13	6	4	1	0	0
WASHINGTON (NCAC)	2472	2504	913	329	121	38	42	2	1	1
WEST VIRGINIA	93	59	21	4	0	0	2	0	0	0
<b>TOTAL REGION 2</b>	<b>16181</b>	<b>13469</b>	<b>4948</b>	<b>1692</b>	<b>625</b>	<b>273</b>	<b>245</b>	<b>7</b>	<b>1</b>	<b>2</b>

BEAUMONT	191	51	23	6	3	2	1	0	0	0
CENTRAL TEXAS	1175	1568	461	137	69	30	32	0	0	0
CORPUS CHRISTI	170	81	26	17	5	0	7	0	0	0
DALLAS	1861	1957	710	209	79	33	28	0	0	0
DENVER	1709	1631	620	221	93	22	38	0	0	0
EL PASO	375	164	66	27	12	3	8	0	0	0
FORT WORTH	694	641	220	65	29	11	9	0	0	0
GALVESTON BAY	364	273	77	29	7	3	3	0	0	0
HOUSTON	1500	1272	485	153	62	25	29	0	1	0
KANSAS CITY	896	581	203	82	23	8	12	0	0	0
LAFAYETTE	165	81	18	10	1	1	1	0	0	0
OKLAHOMA CITY	299	217	77	35	7	4	3	0	0	0
OZARK	151	85	29	11	5	0	1	0	0	0
PANHANDLE	76	49	9	2	0	0	0	0	0	0
PERMIAN BASIN	52	29	5	1	0	2	0	0	0	0
PIKES PEAK	462	421	132	40	16	7	6	0	0	0
SAINT LOUIS	1283	864	308	111	39	17	16	1	0	0
SHREVEPORT	223	104	22	8	6	2	1	0	0	0
SOUTH PLAINS	206	64	20	9	9	1	1	1	0	0
TULSA	359	216	79	29	13	3	6	0	0	0
WICHITA	194	132	45	8	7	2	6	0	0	0
<b>TOTAL REGION 5</b>	<b>12626</b>	<b>10619</b>	<b>3669</b>	<b>1219</b>	<b>487</b>	<b>176</b>	<b>209</b>	<b>2</b>	<b>1</b>	<b>0</b>

## SECTION C

TABLE 4 - NUMBER OF IEEE SOCIETY MEMBERSHIPS HELD BY IEEE MEMBERS,  
BY REGION, BY SECTION, DECEMBER 31, 1993

<u>NUMBER OF IEEE SOCIETY MEMBERSHIPS</u>										
<u>REGION 6</u>										
<u>SECTION</u>	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6-15</u>	<u>16-25</u>	<u>26-34</u>	<u>ALL</u>
ALAMOGORDO-HOLLOMAN	22	11	6	1	4	0	2	0	0	0
ALASKA	149	117	52	20	4	3	3	0	0	0
ALBUQUERQUE	631	489	162	76	21	14	10	1	0	0
BOISE	187	161	38	16	6	1	2	0	0	0
BUENAVENTURA (LAC)	501	381	148	49	13	6	11	0	0	0
CHINA LAKE (LAC)	132	85	37	11	7	0	4	0	0	0
EASTERN MONTANA	38	36	9	2	1	0	0	0	0	0
FOOTHILL (LAC)	684	450	156	60	27	8	8	0	0	0
FORT HUACHUCA	97	57	17	6	1	2	1	0	0	0
HAWAII	391	188	70	19	7	4	0	0	0	0
IDAHO	113	58	17	7	1	1	2	0	0	0
LAS VEGAS	194	104	33	10	4	3	2	0	0	0
LOS ALAMOS	123	107	39	15	10	4	7	0	0	0
METROPOLITAN LOS ANGELES (LAC)	310	331	126	52	30	8	9	0	0	0
MONTANA	126	72	27	8	2	1	0	0	0	0
NORTHERN NEVADA	175	116	36	19	8	5	1	0	0	0
OAKLAND-EAST BAY (SFBAC)	1266	1826	624	240	82	29	31	2	0	0
ORANGE COUNTY (LAC)	1792	1323	464	203	79	25	34	0	1	0
OREGON	980	1349	398	123	51	11	19	1	0	2
PHOENIX	1427	1431	478	166	68	11	19	0	1	0
RICHLAND	170	144	39	20	4	1	1	0	0	0
SACRAMENTO	705	687	205	87	26	8	10	0	0	0
SAN DIEGO	1339	1206	487	219	84	30	42	2	0	0
SAN FERNANDO VALLEY (LAC)	879	621	253	80	44	16	17	2	0	0
SAN FRANCISCO (SFBAC)	692	869	275	104	33	15	23	0	0	0
SAN GABRIEL VALLEY (LAC)	479	439	191	65	25	7	13	0	0	0
SANTA BARBARA (LAC)	306	288	145	41	16	3	7	0	0	0
SANTA CLARA VALLEY (SFBAC)	3710	5958	2063	711	272	97	121	3	1	0
SANTA MONICA BAY (LAC)	509	522	204	79	35	16	23	1	0	0
SEATTLE	1480	1583	572	185	80	30	29	0	0	0
SOUTH BAY HARBOR (LAC)	910	781	328	112	53	17	22	1	0	0
SPOKANE	210	171	62	36	6	5	3	1	0	0
TUCSON	332	327	129	47	19	6	8	0	0	0
UTAH	545	444	174	63	19	4	14	0	0	0
VANDENBERG	69	48	13	4	2	1	0	0	0	0
WENATCHEE	38	29	7	1	0	0	0	0	0	0
<u>TOTAL REGION 6</u>	<u>21711</u>	<u>22809</u>	<u>8084</u>	<u>2957</u>	<u>1144</u>	<u>392</u>	<u>498</u>	<u>14</u>	<u>3</u>	<u>2</u>

## SECTION C

TABLE 4 - NUMBER OF IEEE SOCIETY MEMBERSHIPS HELD BY IEEE MEMBERS,  
BY REGION, BY SECTION, DECEMBER 31, 1993

NUMBER OF IEEE SOCIETY MEMBERSHIPS										
REGION 7										
SECTION	0	1	2	3	4	5	6-15	16-25	26-34	ALL
CANADIAN ATLANTIC (ECC)	97	73	45	14	3	4	3	0	0	0
HAMILTON (CCC)	425	236	113	35	17	8	5	0	0	0
KINGSTON (CCC)	92	129	81	33	7	1	3	0	0	0
KITCHENER-WATERLOO (CCC)	173	215	115	43	16	8	5	1	0	0
LONDON (CCC)	169	87	41	24	4	5	5	0	0	0
MONTREAL (ECC)	849	904	402	155	75	31	32	2	0	1
N SASKATCHEWAN (WCC)	122	63	25	18	4	4	3	0	0	0
NEW BRUNSWICK (ECC)	98	105	60	16	1	3	1	0	0	0
NEWFOUNDLAND-LABRADOR (ECC)	98	31	12	10	3	1	1	0	0	0
NORTHERN CANADA (WCC)	266	249	127	44	18	6	3	1	0	0
OTTAWA (ECC)	760	889	349	131	57	13	33	0	0	0
PETERBOROUGH (CCC)	45	29	21	4	5	0	3	0	0	0
QUEBEC (ECC)	271	125	42	21	9	7	3	0	0	0
S SASKATCHEWAN (WCC)	92	47	24	11	3	2	2	0	0	0
SAINT MAURICE (ECC)	28	12	4	4	2	4	0	0	0	0
SOUTHERN ALBERTA (WCC)	339	275	119	60	25	15	9	0	0	0
TORONTO (CCC)	1461	1248	530	195	100	44	40	4	0	1
VANCOUVER (WCC)	589	600	225	108	40	20	20	1	0	0
VICTORIA (CAN) (WCC)	125	117	60	22	9	6	3	0	0	0
WINNIPEG (WCC)	263	189	78	23	8	10	8	0	0	0
<b>TOTAL REGION 7</b>	<b>6362</b>	<b>5623</b>	<b>2473</b>	<b>971</b>	<b>406</b>	<b>192</b>	<b>182</b>	<b>9</b>	<b>0</b>	<b>2</b>

NUMBER OF IEEE SOCIETY MEMBERSHIPS										
REGION 8										
SECTION	0	1	2	3	4	5	6-15	16-25	26-34	ALL
AUSTRIA	51	241	105	56	36	18	35	1	0	0
BENELUX	494	960	432	190	94	37	58	5	0	0
CENTRAL & SOUTH ITALY	99	326	210	108	58	28	51	2	1	1
CROATIA	9	25	10	8	3	8	2	0	0	0
CYPRUS	33	45	13	7	2	1	1	0	0	0
CZECHOSLOVAKIA	2	53	26	8	2	6	4	0	0	0
DENMARK	52	193	94	62	35	15	22	0	0	0
EGYPT	68	151	77	33	23	13	11	0	0	1
FINLAND	56	163	101	64	38	12	21	1	0	0
FRANCE	253	668	346	182	93	58	91	4	2	1
GERMANY	413	1362	696	351	157	74	109	5	1	0
GREECE	101	256	176	118	54	38	48	2	0	0
HUNGARY	31	82	28	6	1	0	0	0	0	0
IRAN	27	60	41	32	35	11	19	1	0	0
ISRAEL	153	368	169	90	46	23	21	4	0	0
KENYA	39	32	15	8	6	3	4	0	0	0
KUWAIT	29	25	19	5	7	0	0	0	0	0
NIGERIA	17	38	20	8	8	1	0	0	0	0
NORTH ITALY	225	593	300	119	67	33	52	5	1	0
NORWAY	36	176	107	60	32	20	24	0	0	0
POLAND	16	131	57	29	9	7	4	0	0	0
PORTUGAL	168	185	107	63	24	9	18	1	0	0
ROMANIA	12	187	39	9	3	0	5	0	0	0
RUSSIA	54	71	2	1	1	0	2	0	0	0
SAUDI ARABIA	172	233	116	66	27	10	23	0	0	0
SLOVENIA	18	85	53	23	9	2	6	0	0	0
SOUTH AFRICA	80	164	121	52	36	17	25	0	0	0
SPAIN	252	777	435	219	131	77	96	5	1	2
SWEDEN	63	406	276	120	52	33	60	1	0	0
SWITZERLAND	314	758	400	164	76	28	51	1	0	0
TURKEY	160	255	141	78	33	19	22	2	0	0
UKRAINE	2	67	5	0	0	0	0	0	0	0
UNITED ARAB EMIRATES	82	56	30	7	3	3	2	0	0	0
UNITED KINGDOM & REP IRELAND	876	1878	921	405	160	60	60	0	0	0
WESTERN SAUDI ARABIA	54	46	22	7	6	3	5	0	0	0
YUGOSLAVIA	6	139	61	30	7	7	6	0	0	0
COUNTRIES OUTSIDE SECTION	239	363	158	73	30	14	28	0	0	0
<b>TOTAL REGION 8</b>	<b>4756</b>	<b>11618</b>	<b>5929</b>	<b>2861</b>	<b>1404</b>	<b>688</b>	<b>986</b>	<b>40</b>	<b>6</b>	<b>5</b>

## SECTION C

TABLE 4 - NUMBER OF IEEE SOCIETY MEMBERSHIPS HELD BY IEEE MEMBERS,  
BY REGION, BY SECTION, DECEMBER 31, 1993

REGION 9	NUMBER OF IEEE SOCIETY MEMBERSHIPS									
	SECTION	0	1	2	3	4	5	6-15	16-25	26-34
ARGENTINA	381	515	246	153	85	52	69	0	0	0
BAHIA (BC)	16	46	29	14	4	4	1	0	0	0
BRASILIA (BC)	16	29	24	10	4	2	2	0	0	0
CENTRO OCCIDENTE (MC)	25	50	6	2	1	3	3	0	0	0
CHILE	120	154	63	28	12	3	15	1	0	0
COLOMBIA	132	156	76	41	16	10	12	0	0	0
COSTA RICA (CAPC)	88	53	10	11	2	0	3	0	0	0
ECUADOR	7	25	12	2	2	1	2	0	0	0
EL SALVADOR (CAPC)	86	36	12	4	1	0	0	0	0	0
GUADALAJARA (MC)	48	71	22	12	14	2	6	0	0	0
GUATEMALA (CAPC)	64	75	13	5	0	0	1	0	0	0
HONDURAS (CAPC)	48	10	6	1	0	0	0	0	0	0
MEXICO (MC)	839	717	316	145	58	38	38	0	0	0
MONTERREY (MC)	162	119	41	16	16	9	4	0	0	0
MORELOS (MC)	22	52	23	6	3	2	4	0	0	0
PANAMA (CAPC)	251	97	25	12	10	1	3	0	0	0
PERU	219	110	58	34	17	7	9	0	0	0
PUERTO RICO & CARIBBEAN (CC)	373	205	112	30	15	5	5	0	0	0
RIO DE JANEIRO (BC)	53	143	66	32	20	10	8	0	0	0
SOUTH BRAZIL (BC)	106	200	102	50	26	12	15	0	0	0
URUGUAY	44	80	32	20	12	2	0	0	0	0
VENEZUELAN	213	168	82	115	28	11	28	1	0	0
WESTERN PUERTO RICO (CC)	147	92	21	5	6	3	2	0	0	0
COUNTRIES OUTSIDE SECTION	45	100	53	20	8	4	10	0	0	0
<b>TOTAL REGION 9</b>	<b>3505</b>	<b>3303</b>	<b>1450</b>	<b>768</b>	<b>360</b>	<b>181</b>	<b>240</b>	<b>2</b>	<b>0</b>	<b>0</b>

REGION 10	NUMBER OF IEEE SOCIETY MEMBERSHIPS									
	SECTION	0	1	2	3	4	5	6-15	16-25	26-34
ASIA & PACIFIC	0	0	1	0	0	0	0	0	0	0
AUST CAPITAL TERR(ACT) (AUSC)	61	79	46	33	12	3	6	0	0	0
BANGALORE (IC)	332	350	36	10	3	2	10	0	0	0
BANGLADESH	15	50	6	2	1	0	0	0	0	0
BEIJING	107	374	96	46	12	5	7	3	0	0
BOMBAY (IC)	427	289	53	24	7	1	7	0	0	0
CALCUTTA (IC)	103	131	33	13	5	1	1	1	0	0
CHANGWON (KC)	8	36	33	25	16	8	6	1	0	2
DAEJON (KC)	38	182	136	81	44	24	22	3	0	0
DELHI (IC)	241	189	28	55	8	2	5	0	0	0
GUJARAT (IC)	103	48	8	5	2	3	2	0	0	0
HONG KONG	928	796	388	167	73	24	39	1	0	0
HYDERABAD (IC)	277	142	26	8	2	0	8	0	0	0
INDONESIA	40	111	64	55	29	17	22	1	0	0
KARACHI	80	35	12	4	1	1	0	0	0	0
KERALA (IC)	193	58	12	2	3	3	1	0	0	0
KHARAGPUR (IC)	22	56	11	2	0	0	0	0	0	0
MADRAS (IC)	1027	249	75	29	7	2	4	0	0	0
MALAYSIA	143	194	88	26	9	6	4	0	0	0
NEW SOUTH WALES (AUSC)	350	644	355	162	80	29	35	0	0	0
NEW ZEALAND NORTH (NZC)	48	74	55	18	7	4	4	0	0	0
NEW ZEALAND SOUTH (NZC)	89	99	54	29	12	3	4	0	0	0
PAKISTAN	122	53	15	6	6	1	2	1	0	0
QUEENSLAND (AUSC)	233	252	138	64	41	16	10	0	0	0
REPUBLIC OF THE PHILIPPINES	130	39	22	5	8	1	3	0	0	0
SEOUL (KC)	77	619	466	326	159	82	110	8	0	3
SINGAPORE	1109	861	332	135	56	22	26	1	0	0
SOUTH AUSTRALIA (AUSC)	96	135	97	41	29	12	5	0	0	0
TAEGU (KC)	9	65	53	37	12	7	11	0	0	0
TAIPEI	118	725	443	200	84	50	69	3	0	0
THAILAND	99	342	59	21	19	9	20	2	1	1
TOKYO	527	3914	1883	801	348	171	261	12	5	4
UTTAR PRADESH (IC)	99	68	14	3	4	1	2	0	0	0
VICTORIAN (AUSC)	201	419	260	109	64	30	25	0	0	1
WESTERN AUSTRALIA (AUSC)	111	136	86	35	18	8	8	0	0	0
COUNTRIES OUTSIDE SECTION	123	96	29	17	8	1	3	0	0	0
<b>TOTAL REGION 10</b>	<b>7686</b>	<b>11910</b>	<b>5513</b>	<b>2596</b>	<b>1189</b>	<b>549</b>	<b>742</b>	<b>37</b>	<b>6</b>	<b>11</b>

## SECTION C

TABLE 5 - IEEE CHAPTERS - as of 12/31/93

<u>Code</u>	<u>Society Name</u>	<u>No of Chapters</u>	<u>Section/Council Location</u>		
AES-10	Aerospace & Electronic Systems	38	Atlanta Baltimore Binghamton Central New England Council Central & South Italy Cleveland Dallas Dayton Denver Florida West Coast Fort Worth Huntsville India Council	Indonesia Long Island Los Angeles Council Mohawk Valley Montreal New Jersey Coast New South Wales Orange County Orlando Ottawa Philadelphia Phoenix Poland Rochester San Diego	Santa Clara Valley/ San Francisco Seattle South Africa Spain Syracuse Toronto United Kingdom & the Republic of Ireland Vancouver Washington/Northern Virginia Wichita
AP-03	Antennas & Propagation	63	Albuquerque Atlanta Baltimore Beijing Benelux Buffalo Central New England Council Central & South Italy Chicago Columbus Czechoslovakia Dallas Dayton Denver Egypt Finland Florida West Coast Foothill Fort Worth Germany Houston Hungary	Huntsville Indonesia Israel Kitchener-Waterloo Long Island/New York Los Angeles Council Milwaukee Montreal New Jersey Coast New South Wales North Italy North Jersey Coast Oakland-East Bay/ Santa Clara Valley/ San Francisco Orlando Ottawa Philadelphia Phoenix Poland Princeton-Central Jersey	Rio de Janeiro Saint Louis San Diego Singapore South Africa South Australia Southeastern Michigan Seattle Spain Spokane Springfield Sweden Switzerland Syracuse Tokyo Toronto Tucson Turkey United Kingdom & the Republic of Ireland Vancouver Washington/Northern Virginia Winnipeg
BT-02	Broadcast Technology	5	Indonesia New York	Ottawa Philadelphia	Tokyo
CAS-04	Circuits & Systems	42	Beijing Benelux Buenaventura Central Iowa Dallas/Fort Worth Delhi Finland Germany Hamilton Hong Kong Houston Israel Kitchener-Waterloo Korea Council Lehigh Valley	Los Angeles Council Montreal New Jersey Coast North Italy Oregon Ottawa Philadelphia Pikes Peak Poland Princeton-Central Jersey Rio de Janeiro Romania Seattle Singapore	South Brazil Southeastern Michigan Spokane Switzerland Syracuse Taipei Tokyo Toronto Turkey Twin Cities United Kingdom & the Republic of Ireland Western Puerto Rico Yugoslavia



## SECTION C

TABLE 5 - IEEE CHAPTERS - as of 12/31/93

<u>Code</u>	<u>Society Name</u>	<u>No of Chapters</u>	<u>Section/Council Location</u>					
COMM-19	Communications	95	Alabama	Kansas City	Puerto Rico &			
			Argentina	Kingston	Caribbean			
			Atlanta	Kitchener-Waterloo	Rochester			
			Baltimore	Korea Council	Sacramento			
			Benelux	Long Island	Saint Louis			
			Broward	Los Angeles Council	San Diego			
			Central Indiana	Maine	Santa Clara Valley			
			Central Iowa	Malaysia	San Francisco			
			Central New England Council	Mexico	Seattle			
			Central Texas	Miami	Singapore			
			Charlotte	Milwaukee	South Africa			
			Chicago	Mohawk Valley	South Australia			
			Chile	Montreal	South Brazil			
			Columbus	New Brunswick	Southern Alberta			
			Dallas	New Jersey Coast	Spain			
			Dayton	New Orleans	Sweden			
			Denver	New South Wales	Switzerland			
			Eastern North Carolina/	New York	Syracuse			
			Central North Carolina/	Northern Canada	Taipei			
			Winston-Salem	North Jersey	Tokyo			
			El Salvador	Norway	Toronto			
			France	Oakland East Bay	Tucson			
			Galveston Bay	Oregon	Twin Cities			
			Guatemala	Orlando	United Kingdom & the			
			Greece	Ottawa	Republic of Ireland			
			Hamilton	Palm Beach	Uruguay			
			Hong Kong	Peru	Vancouver			
			Houston	Philadelphia	Venezuela			
			Hungary	Pikes Peak	Victorian			
			India Council	Pittsburgh	Winnipeg			
			Indonesia	Phoenix	Washington			
			Israel	Poland-Krakow	Washington/Northern			
				Poland-Warsaw	Virginia			
				Princeton-Central	Yugoslavia			
				Jersey				
			CPMT-21	Components, Hybrids & Manufacturing Technology	14	Beijing	North Italy/	Santa Clara Valley/
						Central New England Council	Central & South Italy	San Francisco/
						Chicago	Oregon	Oakland-East Bay
						India Council	Philadelphia	Singapore
						Los Angeles Council	Phoenix	Tokyo
							San Diego	Toronto
			CE-08	Consumer Electronics	8	Chicago	Philadelphia	Taipei
						Korea Council	Princeton-Central	Tokyo
						New York	Jersey	
						Ottawa		
			CS-23	Control Systems	43	Argentina	Huntsville	Schenectady
						Beijing	Israel	Singapore
						Berkshire	Kitchener-Waterloo	South Africa
						Buffalo	Mexico	South Brazil
						Central New England Council	Milwaukee	Southeastern Michigan
Chile	North Jersey	Spokane						
Cleveland	Oregon	Taipei						
Columbus	Orlando	Tokyo						
Dallas/Fort Worth	Philadelphia	Toledo						
Dayton	Pittsburgh	Turkey						
Delhi	Rochester	United Kingdom & the						
Denmark	Romania	Republic of Ireland						
Egypt	San Diego	Vancouver						
Greece	Santa Clara Valley/	Virginia Mountain						
Hamilton	San Francisco	Wichita						

## SECTION C

TABLE 5 - IEEE CHAPTERS - as of 12/31/93

<u>Code</u>	<u>Society Name</u>	<u>No of Chapters</u>		<u>Section/Council Location</u>	
COMP-16	Computer	144	Akron Alabama Argentina Arkansas Atlanta Baltimore Beijing Berkshire Binghamton Broward Buffalo Calcutta Calumet Canadian Atlantic Cedar Rapids Central Indiana Central New England Council Central Savannah River Central Texas Charlotte Chicago Chile China Lake Cleveland Columbus Connecticut Corpus Christi Dallas Dayton Delhi Denver Eastern No Carolina Egypt El Salvador Finland Florida West Coast Fort Worth France Galveston Bay Germany Guatemala Guadalajara Gujarat Hamilton Hong Kong Houston	Huntsville India Council Indonesia Israel Kansas City Kharagpur Kingston Kitchener-Waterloo Korea Council Lehigh Valley London Long Island Los Angeles Council Louisville Maine Memphis Mexico Miami Mid-Hudson Milwaukee Mohawk Valley Montreal Morelos Nashville Nebraska New Brunswick New Hampshire New Jersey Coast New Orleans New South Wales New York New Zealand North North Italy North Jersey Northern Canada Northern Virginia Oakland-East Bay Oklahoma City Orange County Oregon Orlando Ottawa Palm Beach Panama Peru Philadelphia Phoenix Pikes Peak Pittsburgh Poland	Princeton-Central Jersey Puerto Rico & Caribbean Queensland Quebec Richland Rio de Janeiro Rochester Russia Sacramento Saint Louis San Diego San Francisco Santa Clara Valley Schenectady Seattle Singapore South Africa South Brazil South Saskatchewan Southeastern Michigan Southern Alberta Southern Minnesota Southern New Jersey Spain Spokane Switzerland Syracuse Taipei Thailand Tokyo Toledo Toronto Tri Cities Tucson Turkey Twin Cities United Kingdom & the Republic of Ireland Uruguay Vancouver Venezuela Victorian Virginia Mountain Washington Western Australia Western Puerto Rico Wichita Winnipeg Worcester County
DEI-32	Dielectrics & Electrical Insulation	4	Montreal/Ottawa Tokyo	Toronto/Kingston/ Hamilton/London/ Kitchener-Waterloo Vancouver	
Ed-25	Education	7	Central New England Council Los Angeles Council	Mexico Rochester Tokyo Toronto Winnipeg	

## SECTION C

TABLE 5 - IEEE CHAPTERS - as of 12/31/93

<u>Code</u>	<u>Society Name</u>	<u>No of Chapters</u>	<u>Section/Council Location</u>	<u>Section/Council Location</u>	
EMC-27	Electromagnetic Compatibility	35	Albuquerque Atlanta Austria Baltimore Beijing Central New England Council Central Texas Chicago Dallas/Fort Worth Denver France Israel	Long Island/New York Los Angeles Council Mohawk Valley Montreal New Jersey Coast Northwest Florida Orange County Ottawa Philadelphia Phoenix San Diego Santa Clara Valley	Seattle Singapore Southeastern Michigan Sweden Switzerland Tokyo Toronto Tucson Twin Cities United Kingdom & the Republic of Ireland Washington/Northern Virginia
ED-15	Electron Devices	52	Australian Council Beijing Buenaventura Central New England Council Chicago Cleveland Columbus Dallas Germany Greece Hong Kong Houston Hungary India Council Israel Kitchener-Waterloo Korea Council Lehigh Valley	Los Angeles Council Malaysia Mid-Hudson Milwaukee Montreal New Jersey Coast North Italy Oregon Orlando Ottawa Philadelphia Phoenix Pikes Peak Princeton-Central Jersey Rio de Janeiro Rochester Romania Saint Louis	San Diego Santa Clara Valley/ San Francisco Schenectady Southeastern Michigan Spokane Springfield Switzerland Syracuse Taipei Tokyo Toronto Twin Cities United Kingdom & the Republic of Ireland Virginia Mountain Washington/Northern Virginia Yugoslavia
EM-14	Engineering Management	39	Argentina Atlanta Baltimore Buffalo Central New England Council Chicago Cleveland Dayton El Salvador Huntsville Indian Council Israel Los Angeles Council Madras	Mexico Miami Mohawk Valley Nebraska New Jersey Coast North Jersey/New York Oregon Ottawa Philadelphia Pittsburgh Puerto Rico & Caribbean Rochester San Diego	Santa Clara Valley/ San Francisco Schenectady Singapore South Brazil Spokane Thailand Toronto Tri-Cities Vancouver Victorian Washington/Northern Virginia Winnipeg
EMB-18	Engineering in Medicine & Biology	35	Argentina Atlanta Baltimore Central New England Council Central Indiana Chicago Cleveland Columbus Dallas/Fort Worth Dayton Denver Eastern North Carolina	Houston Los Angeles Council Memphis Mexico Miami Milwaukee Montreal New Orleans New York/Long Island/North Jersey Oregon Ottawa Philadelphia	Princeton-Central Jersey Rochester Santa Clara Valley South Brazil Southern Alberta Seattle Switzerland/Germany/ Austria Tokyo Twin Cities Washington/Northern Virginia Winnipeg

## SECTION C

TABLE 5 - IEEE CHAPTERS - as of 12/31/93

Code	Society Name	No of Chapters		Section/Council Location	
GRS-29	Geoscience & Remote Sensing	8	Denver Houston Los Angeles Council	Southeastern Michigan Springfield Tokyo	Toronto Washington/Northern Virginia
IE-13	Industrial Electronics	26	Argentina Arkansas Beijing Chicago Chile Cleveland Guadalajara India Council Israel	Kerala Los Angeles Council Mexico Milwaukee Montreal/Saint Maurice North Italy Portugal Rochester	Singapore South Africa Southeastern Michigan Taipei Tokyo Toledo Turkey Vancouver Virginia Mountain
IA-34	Industry Applications	75	Akron Alabama Atlanta Bahia Baltimore Baton Rouge Buffalo Calumet Canadian Atlantic Chicago Chile Cleveland Columbus Dallas Dayton Delaware Bay Denver Eastern North Carolina El Salvador Hamilton Houston Hyderabad India Council Israel Kerala	Los Angeles Council Madras Maine Memphis Mexico Miami Milwaukee Montreal Nashville New York/Long Island New Zealand North North Jersey/ Princeton-Central Jersey Northern Canada Oakland-East Bay Oklahoma City Orange County Oregon Orlando Panama Philadelphia Pittsburgh Poland Portugal Rock River Valley	Rio de Janeiro Rochester Sacramento Saint Louis San Francisco Santa Clara Valley South Brazil Schenectady Seattle Singapore South Africa South Saskatchewan outheastern Michigan Southern Alberta Spokane Syracuse Tokyo Toledo Toronto Tulsa Twin Cities Vancouver Virginia Mountain Washington/Northern Virginia Wichita
IT-12	Information Theory	16	Beijing Benelux Central New England Council Denver Eastern North Carolina/Central North Carolina/ Winston-Salem	Hamilton France Israel Kitchener-Waterloo Montreal Philadelphia Princeton-Central Jersey	Russia Santa Clara Valley/ San Francisco Southeastern Michigan Tokyo
IM-09	Instrumentation & Measurement	16	Atlanta Central New England Council Cleveland Denver Los Angeles Council	Milwaukee New Jersey Coast New York/Long Island/North Jersey Oregon Ottawa	San Diego Santa Clara Valley Tokyo Toronto Uruguay Washington

## SECTION C

TABLE 5 - IEEE CHAPTERS - as of 12/31/93

<u>Code</u>	<u>Society Name</u>	<u>No of Chapters</u>		<u>Section/Council Location</u>	
LEO-36	Lasers & Electro-Optics	33	Albuquerque Atlanta Australia Council Central New England Council Central Texas Chicago Cleveland Columbus Connecticut Dallas Denver France Hampton Roads	Houston Huntsville India Council Korea Council Long Island Los Alamos Los Angeles Council Mohawk Valley New Jersey Coast North Jersey Oakland East-Bay/ San Francisco/ Santa Clara Valley	Oregon Orlando Ottawa Phoenix Princeton-Central Jersey Sacramento Springfield Tokyo Toronto Washington/Northern Virginia
Mag-33	Magnetics	14	Central Indiana Central New England Council Denver Houston Los Angeles Council	Milwaukee Philadelphia Pittsburgh San Diego Santa Clara Valley/ San Francisco Tokyo	Twin Cities United Kindgom & the Republic of Ireland Washington/Northern Virginia
MTT-17	Microwave Theory & Techniques	77	Albuquerque Atlanta Baltimore Beijing Benelux Buffalo Cedar Rapids/ Central Iowa Central New England Council Central & South Italy Chicago Cleveland Columbus Czechoslovakia Dallas Dayton Denver Egypt Finland Florida West Coast Foothill France Germany Greece Houston Hungary Huntsville	India Council Indonesia Israel Ithaca Kitchener-Waterloo Korea Council Long Island/New York Los Angeles Council Milwaukee Montreal New Hampshire New Jersey Coast New South Wales North Italy North Jersey Oregon Orlando Ottawa Philadelphia Phoenix Poland Princeton-Central Jersey Rio de Janeiro Saint Louis San Diego San Fernando Valley	Santa Clara Valley/ San Francisco Schenectady Seattle Singapore South Africa South Australia South Brazil Southeastern Michigan Spain Springfield Sweden Switzerland Syracuse Taipei Tokyo Toronto Tucson Turkey Twin Cities United Kingdom & the Republic of Ireland Venezuela Virginia Mountain Washington/Northern Virginia Winnipeg Yugoslavia
NPS-05	Nuclear & Plasma Sciences	9	Central New England Council India Council Los Angeles Council	Oakland-East Bay Princeton-Central Jersey/New Jersey Coast San Diego	Santa Clara Valley Tokyo Washington/Northern Virginia/Baltimore
OE-22	Oceanic Engineering	10	Canadian Atlantic Central New England Council France Hawaii	Houston/Galveston Bay San Diego Seattle Toronto	Victoria Washington/Northern Virginia

## SECTION C

TABLE 5 - IEEE CHAPTERS - as of 12/31/93

Code	Society Name	No of Chapters	Section/Council Location		
PC-26	Professional Communication	12	Central New England Council Chicago Los Angeles Council Mexico/Morelos	Ottawa Philadelphia Seattle Toronto United Kingdom & the Republic of Ireland	Vancouver Washington/Northern Virginia Winnipeg
PEL-35	Power Electronics	14	Chicago Chile Korea Council Los Angeles Council Morelos	North Italy Portugal San Diego Seattle South Africa	Southeastern Michigan Taipei Tokyo United Kingdom & the Republic of Ireland
PE-31	Power Engineering	134	Akron Alabama Argentina Arkansas Atlanta Baltimore Bahia Bangalore Beijing Berkshire Binghamton Boston Broward Buffalo Calcutta Calumet Canadian Atlantic Central Illinois Central Indiana Central Texas Charlotte Chattanooga Chicago Chile Cleveland Columbus Connecticut Corpus Christi Costa Rica Dallas Dayton Delaware Bay Denver Denver-Western Area Eastern Montana Eastern North Carolina Egypt El Salvador Florida West Coast Fort Worth France Germany Greece Guadalajara Guatemala Hamilton	Honduras Hong Kong Houston Hyderabad India Council Israel Kansas City Lafayette Las Vegas Lehigh Valley London Los Angeles Council Madras Maine Malaysia Memphis Mexico Miami Mid-Hudson Milwaukee/Madison/ North Eastern Wisconsin Missouri Slope Montreal Morelos Nebraska New Hampshire New Orleans New South Wales New York/Long Island Northern Canada Oakland-East Bay Oklahoma City Orange County Oregon Orlando Ottawa Palm Beach Panama Panhandle Peru Philadelphia Phoenix Pittsburgh Poland Princeton-Central	Jersey Providence Puerto Rico & Caribbean Queensland Richland Rio de Janeiro Rochester Sacramento Saint Louis San Diego San Francisco Santa Clara Valley Schenectady Seattle Sharon Shreveport Singapore Siouxland South Africa South Brazil South Saskatchewan Southeastern Michigan Southern Alberta Spokane Sweden Syracuse Tokyo Toledo Toronto Tri Cities Tucson Tulsa Turkey Twin Cities Uruguay Vancouver Venezuelan Vermont Victorian Virginia Mountain Washington/Northern Virginia Wichita Winnipeg Worcester County
R-07	Reliability	22	Albuquerque Baltimore Binghamton Central New England Council Chicago Cleveland Dallas Denver/Pikes Peak	Los Angeles Council Mohawk Valley North Italy/Central & South Italy North Jersey Ottawa Philadelphia Santa Clara Valley	Singapore Switzerland Tri Cities Tokyo Toronto Twin Cities Washington/Northern Virginia

**SECTION C**

**TABLE 5 - IEEE CHAPTERS - as of 12/31/93**

<u>Code</u>	<u>Society Name</u>	<u>No of Chapters</u>		<u>Section/Council Location</u>	
RA-24	Robotics & Automation	10	Argentina Chile Denmark Korea Council	Orlando Pittsburgh Princeton-Central Jersey	Taipei Tokyo Turkey
SP-01	Signal Processing	53	Atlanta Beijing Benelux Central New England Council Central & South Italy Central Indiana Central Iowa Central Pennsylvania Central Texas Chicago Columbus Connecticut Dallas Dayton Finland Florida West Coast France	Hong Kong Houston Kitchener-Waterloo Korea Council Long Island Los Angeles Council Milwaukee Mohawk Valley New Jersey Coast New South Wales North Jersey Northern Virginia Oregon Orlando Ottawa Philadelphia Phoenix Pittsburgh Rochester	San Diego Santa Clara Valley Singapore South Africa South Australia Southeastern Michigan Spain Switzerland Taipei Tokyo Toronto Turkey Twin Cities United Kingdom & the Republic of Ireland Washington Western Puerto Rico Yugoslavia
SIT-30	Social Implications of Technology	7	Central New England Council Los Angeles Council	Santa Clara Valley/ San Francisco/ Oakland-East Bay Switzerland	Toronto Tokyo Washington/Baltimore/ Northern Virginia
SMC-28	Systems, Man & Cybernetics	9	Chile Connecticut Milwaukee	North Jersey Orlando Philadelphia	Santa Clara Valley/ San Francisco Schenectady Tokyo
UFFC-20	Ultrasonics Ferroelectrics & Frequency Control	11	Central New England Council Dallas Long Island Los Angeles Council	Oregon Orlando Phoenix Santa Clara Valley Tokyo	Toronto Washington/Baltimore/ Northern Virginia
VT-06	Vehicular Technology	26	Atlanta Benelux Cleveland Dallas Denver Israel Los Angeles Council Miami Montreal New Jersey Coast New York/Long Island	North Jersey Norway Orlando Ottawa Philadelphia Pittsburgh Sacramento Santa Clara Valley/ Oakland-East Bay/ San Francisco Bay	Southeastern Michigan Sweden Tokyo Toronto Vancouver Washington/Northern Virginia Winnipeg

Joint Society Chapters are shown with each Society.

For Joint Chapters of more than one Section, the "managing" Section is listed first.

## SECTION D

TABLE 1 - SOCIETY AFFILIATES, DECEMBER 31, 1993; 5-YEAR COMPARISON

CODE NO.	SOCIETY	12/31/93	12/31/92	12/31/91	12/31/90	12/31/89
1	SIGNAL PROCESSING	39	34	20	12	9
2	BROADCAST TECHNOLOGY	7	3	4	2	2
3	ANTENNAS & PROPAGATION	3	2	1	3	3
4	CIRCUITS & SYSTEMS	19	15	7	3	2
5	NUCLEAR & PLASMA SCIENCES	138	146	155	149	160
6	VEHICULAR TECHNOLOGY	5	2	4	4	2
7	RELIABILITY	10	12	12	12	11
8	CONSUMER ELECTRONICS	5	5	2	3	5
9	INSTRUMENTATION & MEASUREMENT	3	5	5	5	5
10	AEROSPACE & ELECTRONIC SYSTEMS	11	6	6	10	9
12	INFORMATION THEORY	22	19	15	10	9
13	INDUSTRIAL ELECTRONICS	1	1	1	2	2
14	ENGINEERING MANAGEMENT	140	146	150	150	148
15	ELECTRON DEVICES	37	34	6	6	4
16	COMPUTER	29,192	27,804	28,272	27,157	25,115
17	MICROWAVE THEORY & TECHNIQUES	6	8	10	8	10
18	ENGINEERING IN MEDICINE & BIOLOGY	144	163	182	163	98
19	COMMUNICATIONS	870	813	361	304	271
20	ULTRASONICS, FERROELECTRICS & FREQUENCY CONTROL	5	5	4	5	5
21	COMPONENTS, HYBRIDS & MANUFACTURING TECHNOLOGY	35	40	49	42	35
22	OCEANIC ENGINEERING	6	7	15	14	12
23	CONTROL SYSTEMS	27	24	25	20	20
24	ROBOTICS AND AUTOMATION	47	60	70	87	143
25	EDUCATION	5	2	5	7	9
26	PROFESSIONAL COMMUNICATION	176	153	74	87	95
27	ELECTROMAGNETIC COMPATIBILITY	4	6	4	4	4
28	SYSTEMS, MAN & CYBERNETICS	55	50	56	45	42
29	GEOSCIENCE & REMOTE SENSING	58	63	75	79	80
30	SOCIAL IMPLICATIONS OF TECHNOLOGY	16	17	13	11	11
31	POWER ENGINEERING	5	3	5	6	5
32	DIELECTRICS AND ELECTRICAL INSULATION	8	10	10	11	11
33	MAGNETICS	68	65	73	85	90
34	INDUSTRY APPLICATIONS	4	5	4	4	2
35	POWER ELECTRONICS	1	0	0	1	1
36	LASERS AND ELECTRO-OPTICS	113	63	59	68	76
	<u>TOTAL</u>	31,285	29,791	29,754	28,579	26,506



## SECTION E

TABLE 1 - TECHNICAL INTEREST PROFILE (TIP)

12/31/93

## TIP FIRST PRIORITY BY MAJOR CATEGORIES BY REGION (1 - 10)

CODE	DESCRIPTION	01	02	03	04	05	06	07	08	09	10
01	SIGNAL PROCESSING	1,660	1,262	718	586	715	1,766	422	1,183	101	1,125
02	BROADCAST TECHNOLOGY	560	418	349	261	209	598	180	309	55	366
03	ANTENNAS AND PROPAGATION	690	772	536	249	459	1,065	189	707	48	564
04	CIRCUITS AND SYSTEMS	1,336	767	631	641	775	1,788	238	745	61	648
05	NUCLEAR AND PLASMA SCIENCES	363	324	317	165	149	628	78	162	5	184
06	VEHICULAR TECHNOLOGY	346	332	292	538	217	446	167	234	27	294
07	RELIABILITY	489	308	228	201	232	527	84	197	14	198
08	CONSUMER ELECTRONICS	422	257	275	255	160	372	125	132	34	230
09	INSTRUMENTATION AND MEASUREMENT	399	317	256	192	192	435	133	222	54	196
10	AEROSPACE AND ELECTRONIC SYSTEMS	1,630	1,860	991	393	871	2,431	219	375	27	290
11	NEURAL NETWORKS	140	132	109	88	112	204	69	259	38	322
12	INFORMATION THEORY	313	236	113	83	119	326	60	261	21	222
13	INDUSTRIAL ELECTRONICS	910	902	857	834	585	917	386	585	162	605
14	ENGINEERING MANAGEMENT	2,615	2,380	1,904	1,211	1,348	3,033	511	897	248	684
15	ELECTRON DEVICES	982	461	301	263	440	1,603	121	494	28	829
16	COMPUTER	7,364	4,715	3,482	3,214	3,613	8,998	1,817	3,621	510	3,745
17	MICROWAVE THEORY AND TECHNIQUES	650	318	197	146	201	851	94	441	16	300
18	ENGINEERING IN MEDICINE AND BIOLOGY	815	596	385	583	382	888	208	499	69	321
19	COMMUNICATIONS	3,260	2,606	1,919	1,213	1,539	2,969	1,129	1,991	318	1,861
20	ULTRASONICS FERROELECTRICS&FREQ. CONTROL	134	102	65	49	52	146	22	97	2	94
21	COMPONENTS, HYBRIDS & MANUFACT. TECHNOL.	617	300	225	260	296	742	66	172	21	195
22	OCEANIC ENGINEERING	82	81	51	7	14	76	27	31	8	21
23	CONTROL SYSTEMS	489	538	472	427	328	703	183	600	97	477
24	ROBOTICS AND AUTOMATION	100	73	73	72	48	97	62	122	21	155
25	EDUCATION	291	217	207	144	145	241	77	96	19	70
26	PROFESSIONAL COMMUNICATION	259	182	140	109	117	246	61	75	15	51
27	ELECTROMAGNETIC COMPATIBILITY	187	216	114	112	120	321	31	171	10	89
28	SYSTEMS, MAN AND CYBERNETICS	293	291	162	116	128	327	76	168	12	180
29	GEOSCIENCE AND REMOTE SENSING	105	154	74	48	188	177	66	110	4	70
30	SOCIAL IMPLICATIONS OF TECHNOLOGY	115	128	66	43	38	126	26	32	4	21
31	POWER ENGINEERING	2,859	2,576	3,702	2,582	2,526	3,407	1,205	1,235	627	1,171
32	DIELECTRICS & ELECTRICAL INSULATION	111	83	54	47	37	59	61	93	14	101
33	MAGNETICS	185	132	68	163	101	458	20	134	11	181
34	INDUSTRY APPLICATIONS	956	1,070	1,182	942	888	1,146	475	227	151	266
35	POWER ELECTRONICS	234	160	190	207	122	250	98	212	36	197
36	LASERS AND ELECTRO-OPTICS	737	386	297	177	260	813	123	369	22	490
37	SOLID STATE CIRCUITS	672	313	219	257	569	1,448	124	463	22	363
39	INTERDISCIPLINARY AND NEW ACTIVITIES	417	322	187	142	154	420	99	118	32	92
	<u>TOTAL</u>	33,787	26,287	21,408	17,020	18,449	41,048	9,132	17,839	2,964	17,268

SECTION E

TABLE 2 - 1992 SECTION/CHAPTER MEETING SUMMARY

(93% of Sections Reporting)

REGION	# MEETINGS HELD	NUMBER BY CLASSIFICATION					PERCENT				
		TECH.	PROF.	SOCIAL	ADMIN.	EDUC.	TECH.	PROF.	SOCIAL	ADMIN.	EDUC.
1	615	472	73	4	23	43	76.7%	11.9%	0.7%	3.7%	7.0%
2	417	313	48	9	17	30	75.1%	11.5%	2.2%	4.1%	7.2%
3	679	488	108	25	18	40	71.9%	15.9%	3.7%	2.7%	5.9%
4	400	293	28	9	32	38	73.3%	7.0%	2.3%	8.0%	9.5%
5	463	343	63	7	11	39	74.1%	13.6%	1.5%	2.4%	8.4%
6	876	662	120	17	24	53	75.6%	13.7%	1.9%	2.7%	6.1%
7	288	237	18	8	10	15	82.3%	6.3%	2.8%	3.5%	5.2%
8	426	334	50	7	15	20	78.4%	11.7%	1.6%	3.5%	4.7%
9	580	475	34	13	15	43	81.9%	5.9%	2.2%	2.6%	7.4%
10	1,056	923	55	11	15	52	87.4%	5.2%	1.0%	1.4%	4.9%
	5,800	4,540	597	110	180	373	78.3%	10.3%	1.9%	3.1%	6.4%

Average Attendance 37.9  
 Average Meetings per Section 20.4

## SECTION E

TABLE 3 - 1992 CHAPTER MEETINGS BY SOCIETY, BY REGION

<u>REGION: SOCIETY</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>TOTAL</u>
SP-01	8	11	12	11	11	17	5	39	10	50	174
BT-02	1	3	--	--	--	--	0	--	--	3	7
AP-03	34	13	18	8	28	51	28	75	0	27	282
CAS-04	2	10	--	2	8	7	18	33	13	29	122
NPS-05	7	0	--	--	--	15	--	--	--	13	35
VT-06	0	22	15	0	7	12	25	4	--	6	91
R-07	17	18	0	11	19	8	2	11	--	8	94
CE-08	13	3	--	2	--	--	0	--	--	6	24
IM-09	10	12	2	2	0	11	2	0	3	5	47
AES-10	20	16	18	0	15	7	14	23	--	20	133
IT-12	7	9	2	2	1	2	8	3	--	2	36
IE-13	0	10	1	3	2	2	7	6	19	18	68
EM-14	20	4	4	0	--	16	7	0	27	2	80
ED-15	35	15	3	6	10	30	8	22	0	31	160
COMP-16	88	25	79	31	43	75	39	41	122	110	653
MTT-17	40	17	20	8	20	51	20	80	11	27	294
EMB-18	24	14	6	6	16	21	10	0	12	13	122
COMM-19	44	18	39	18	27	47	16	38	69	45	361
UFFC-20	7	5	4	--	1	11	--	--	--	19	47
CHMT-21	2	0	1	8	--	24	0	0	--	27	62
OE-22	0	3	0	--	0	7	4	0	--	--	14
CS-23	14	12	9	5	10	8	13	6	27	36	140
RA-24	3	3	2	--	--	--	--	0	21	1	30
Ed-25	8	--	--	--	--	6	4	--	3	9	30
PC-26	0	0	--	0	--	7	4	2	0	--	13
EMC-27	8	7	2	10	21	82	2	18	--	8	158
SMC-28	5	0	2	2	--	3	--	--	15	2	29
GRS-29	4	0	--	3	8	4	--	--	--	5	24
SIT-30	5	5	--	--	--	9	0	3	--	11	33
PE-31	78	42	55	51	56	80	38	11	99	46	556
DEI-32	--	--	--	--	--	--	10	--	--	3	13
Mag-33	4	3	--	10	12	19	--	2	--	21	71
IA-34	36	41	39	8	16	49	26	9	29	33	286
PEL-35	--	--	--	4	--	12	--	6	4	17	43
LEO-36	40	16	7	6	8	37	6	0	--	18	138
<u>TOTAL</u>	584	357	340	217	339	730	316	432	484	671	4470

Not All Reporting Complete.

Totals include reported meetings of Joint Society Chapter and indicate activity for all Society parents.

## SECTION E

TABLE 4 - SOCIETY AND OTHER SPONSORED AND COSPONSORED CONFERENCES SUMMARY, BY SOCIETY, BY REGION 12/31/93

DIV.	Society	REGIONS										TOTAL
		1	2	3	4	5	6	7	8	9	10	
I	Circuits and Systems	2			4	1	2		1			10
	Components, Hybrids, and Manufacturing Technology	2	2	1		1	7				1	14
	Electron Devices	4	1	6	1	1	10	1	2		2	28
	Lasers and Electro-Optics	1	1				12		1			15
	Solid-State Circuits Council						2				1	3
II	Dielectrics and Electrical Insulation		1		1				1			3
	Industry Applications	1	1	2		2	1	2	1		1	11
	Instrumentation and Measurement					1	1					2
	Power Electronics						2		1		1	4
III	Communications	2	1	2		2	7	4	1			19
IV	Antennas and Propagation				1							1
	Broadcast Technology			1								1
	Consumer Electronics				1							1
	Electromagnetic Compatibility					1						1
	Magnetics				2				1			3
	Microwave Theory and Techniques	2		3			4				1	10
Nuclear and Plasma Sciences	1	1				2	2				6	
V/VIII	Computer	9	9	7	3	5	38	4	15		3	93
VI	Education		1		1							2
	Engineering Management											1
	Professional Communication		1									1
	Reliability			2			1					3
Social Implications of Technology		1									1	
VII	Power Engineering		1			1	2	1	1			6
X	Aerospace and Electronic Systems	1	2	2		2		2	1			10
	Geoscience and Remote Sensing						1			1		2
	Oceanic Engineering							1				1
	Signal Processing	1	1		2		3	1	2			10
	Ultrasonics, Ferroelectrics, and Freq. Control		1				1					2
	Vehicular Technology	1	1					2				4
X	Control Systems	1			2	1	2	1				7
	Engineering in Medicine and Biology	1		1	1		1		1			5
	Industrial Electronics						1		1		7	10
	Information Theory					2					1	3
	Neural Networks						3				3	6
	Robotics and Automation			2							3	5
Systems, Man, and Cybernetics				1		1		1		1	4	
OTHER	- Not (Co)Sponsored by a Society	1	1	2			1	3	1		1	10
Number of Conferences in Region *		24	28	26	13	18	80	19	28		19	237

\* Region numbers are not column totals. Conference counts are duplicated for each Cosponsor.

This table does not include those conferences in which Societies or Regions were only Participating or Cooperating

## SECTION F

TABLE 1 - ORGANIZATIONAL UNITS OF THE IEEE, BY REGION - As of December 31, 1993

<u>REGION</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>Total</u>
<u>1993</u>											
Sections	22	24	45	25	22	36	20	36	24	34	288
Subsections	6	4	8	5	7	4	0	4	7	3	48
Chapters	129	99	79	67	73	123	74	112	72	118	946*
Councils	2	1	5	0	0	2	3	0	4	4	21
Student Branches	93	67	83	60	69	70	51	74	99	135	801
Student Branch Chapters	35	17	29	23	16	20	12	4	11	30	197
<u>1992</u>											
Sections	22	24	45	25	22	36	20	35	22	33	284
Subsections	6	4	8	5	7	4	0	5	7	3	49
Chapters	128	101	82	66	70	120	69	99	67	106	908*
Councils	2	1	5	0	0	2	3	0	4	4	21
Student Branches	93	66	83	60	67	69	51	70	90	127	776
Student Branch Chapters	33	17	29	23	16	20	12	4	11	30	195
<u>1991</u>											
Sections	22	25	45	25	22	36	20	32	22	31	280
Subsections	6	4	6	5	6	4	0	4	7	2	45
Chapters	127	102	83	62	69	115	69	88	63	95	873*
Councils	2	1	5	0	0	2	3	0	4	3	20
Student Branches	92	65	81	58	64	66	49	63	77	114	729
Student Branch Chapters	33	16	29	22	16	19	12	4	11	27	189

\* Joint Chapters of two or more Sections and/or two or more Societies are counted as one Chapter.

**SECTION F**

**TABLE 2 - IEEE COUNCIL, SECTION AND SUBSECTION ACTIONS 1993**

**REGION 1**

The Princeton Section was renamed Princeton-Central Jersey Section on June 30, 1993.

**REGION 8**

The Moscow Section was renamed Russia Section on February 28, 1993.

The Cyprus Subsection of the Greece Section became the Cyprus Section on June 30, 1993.

**REGION 9**

The Minas Gerais Section was formed on June 30, 1993.

The Centro Occidente Section was formed on November 20, 1993.

**REGION 10**

The Bangladesh Section was formed on November 20, 1993.

## SECTION F

TABLE 3 - IEEE CHAPTER CHANGES IN 1993

<u>REGION</u>	<u>SECTIONS</u>	<u>NEW CHAPTERS</u>
1	Connecticut	LEO-36
1	North Jersey	*COMP-16/LEO-36
1	North Jersey	*COMM-19
1	Schenectady	EM-14
2	Washington	COMP-16/COMM-19/EMC-27
3	Central Savannah River	COMP-16
3	Florida West Coast	*AES-10/COMP-16
4	SE Michigan	*AP-03/ED-15/MTT-17
4	SE Michigan	IE-13/PEL-35
4	SE Michigan	*EMC-27
5	Dallas/Fort Worth	*CS-23
5	Denver	LEO-36
5	Denver/Pikes Peak	*R-07
5	Fort Worth	*COMP-16
5	Houston	AP-03/MTT-17/GRS-29/LEO-36
6	Foothill	AP-03/MTT-17
6	Oregon	SP-01
6	Phoenix	AES-10
6	Sacramento	*PE-31/IA-34
6	San Diego	AES-10
6	Santa Clara Valley	*PE-31/IA-34
6	Seattle	PEL-35
7	Kingston	*COMP-16/COMM-19
7	London	COMP-16
7	Montreal	AES-10
7	Montreal	ED-15
7	Northern Canada	*COMP-16/COMM-19
7	Ottawa	EMB-18
7	Southern Alberta	COMM-19
7	Toronto	*SP-01/VT-06/AES-10/UFFC-20/OE-22/GRS-29
7	Toronto	AP-03/MTT-17/EMC-27
7	Toronto	*R-07/EM-14/E-25/PC-26/SIT-30
7	Vancouver	*IE-13/IA-34
7	Vancouver	*EM-14/PC-26
7	Vancouver	*CS-23
8	Benelux	VT-06/COMM-19
8	Benelux	CE-08
8	Czechoslovakia	AP-03/MTT-17
8	Denmark	CS-23/RA-24
8	Egypt	CS-23
8	France	IT-12
8	Germany	ED-15
8	Germany	PE-31
8	Israel	VT-06
8	Israel	IT-12
8	Poland	COMP-16
8	Poland (Krakow)	COMM-19
8	Russia	IT-12
8	Turkey	PE-31
8	UKRI	PEL-35
9	Guadalajara	COMP-16
9	Guadalajara	PE-31
9	Morelos	COMP-16
9	Morelos	PEL-35
9	South Brazil	COMM-19
10	Australian Council	ED-15/LEO-36
10	Beijing	IE-13
10	Beijing	ED-15
10	Beijing	CS-23
10	Calcutta	PE-31
10	Hong Kong	ED-15
10	Korea Council	*SP-01,CAS-04,CE-08,ED-15,COMP-16,MTT-17, COMM-19,RA-24,PEL-35,LEO-36
10	Singapore	*AP-03/MTT-17/EMC-27
10	Singapore	R-07/CHMT-21
10	Singapore	EM-14
10	South Australia	*SP-01/COMM-19
10	Taipei	CHMT-21
10	Taipei	RA-24
10	Thailand	EM-14/COMP-16
10	Western Australia	COMP-16

\* Existing Chapter has changed status. See CHAPTER CHANGES for explanation.

## SECTION F

TABLE 3 - IEEE CHAPTER CHANGES IN 1993

<u>REGION</u>	<u>SECTIONS</u>	<u>DISSOLVED CHAPTERS</u>
1	Central New England Council	CAS-04
1	Central New England Council	IA-34
2	Cincinnati	PE-31/IA-34
2	Dayton EMC-27	
2	Washington/No Virginia	IT-12
3	Canaveral EM-14	
3	New Orleans	OE-22
3	Oak Ridge/East Tenn	COMP-16
3	S Brevard Indian River	COMP-16
4	SE Michigan	AES-10/COMM-19
6	Santa Clara Valley/Oakland East Bay	GRS-29
6	Los Angeles Council	CS-23
8	North Italy	IM-09
8	North Italy	PE-31

<u>REGION</u>	<u>CHAPTER CHANGES</u>
1	*North Jersey COMP-16/COMM-19/LEO-36 Joint Chapter has split to form 2 Chapters: - North Jersey COMP-16/LEO-36 - North Jersey COMM-19
3	*Florida West Coast COMP-16 Chapter has expanded to include AES-10: - Florida West Coast AES-10/COMP-16
4	*SE Michigan AP-03/ED-15/MTT-17/EMC-27 has split to form 2 Chapters: - SE Michigan AP-03/ED-15/MTT-17 - SE Michigan EMC-27
5	*Fort Worth COMP-16/CS-23 Joint Chapter has changed status: - Fort Worth COMP-16 - Dallas/Fort Worth CS-23
5	*Denver R-07 Chapter has expanded to include Pikes Peak: - Denver/Pikes Peak R-07
6	*Sacramento PE-31 has expanded to include IA-34: - Sacramento PE-31/IA-34
6	*Santa Clara Valley PE-31 has expanded to include IA-34: - Santa Clara Valley PE-31/IA-34
7	*Kingston COMP-16 and Kingston COMM-19 have combined to form a single Chapter: - Kingston COMP-16/COMM-19
7	*Northern Canada COMP-16 has expanded to include COMM-19: - Northern Canada COMP-16/COMM-19
7	*Toronto SP-01 has expanded to include VT-06, AES-10, UFFC-20, OE-22 and GRS-29: - Toronto SP-01/VT-06/AES-10/UFFC-20/OE-22/GRS-29
7	*Toronto EM-14 and SIT-30 have combined with R-07, E-25 and PC-26 to form a single Chapter: - Toronto R-07/EM-14/E-25/PC-26/SIT-30
7	*Vancouver IE-13/CS-23/IA-34 has split to form 2 Chapters: - Vancouver IE-13/IA-34 - Vancouver CS-23
7	*Vancouver EM-14 has expanded to include PC-26: - Vancouver EM-14/PC-26
10	*Seoul/Daejeon Chapters have changed status. All Korea Chapters are now administered to by the Korea Council: - Korea Council SP-01, CAS-04, CE-08, ED-15, COMP-16, MTT-17, RA-24, PEL-35, LEO-36
10	*Singapore AP-03/MTT-17 Joint Chapter has expanded to include EMC-27: - Singapore AP-03/MTT-17/EMC-27
10	*South Australia SP-01 Chapter has expanded to include COMM-19: - South Australia SP-01/COMM-19



**SECTION F**

**TABLE 4 - Student Branch Changes in 1993**

Formations

Region 2

Cedarville College Cedarville, Ohio

Region 5

Kansas State University-Salina Salina, Kansas  
Texas State Technical College Sweetwater, Texas

Region 6

Cogswell College - North Campus Kirkland, Washington

Region 8

Imperial College London, England  
Taganrog Radio Engineering Institute Taganrog, Russia  
United Arab Emirates University Al-Ain, United Arab Emirates  
University of Maribor Maribor, Slovenia

Region 9

Instituto Tecnológico de Costa Rica Cartago, Costa Rica  
Instituto Tecnológico de Durango Durango, Mexico  
Instituto Tecnológico y de Estudios Superiores de Monterrey-Ciudad de Mexico Tlalpan, Mexico  
Instituto Tecnológico y de Estudios Superiores de Monterrey-Queretaro Queretaro, Mexico  
Pontificia Universidad Católica del Peru Lima, Peru  
Universidad Iberoamericana Plantel Leon Guanajuato, Mexico  
Universidad Nacional de Entre Rios Entre Rios, Argentina  
Universidad Nueva Esparta Caracas, Venezuela  
Universidad Pontificia Bolivariana Medellin, Colombia

Region 10

Bharath Institute of Science and Technology Salaiyur, India  
Chaitanya Bharathi Institute of Technology Hyderabad, India  
Jawaharlal Nehru Technological University Kakinada, India  
MBM Engineering College Rajasthan, India  
Tamilnadu College of Engineering Karumathampatty, Coimbatore, India  
University of Hyderabad Hyderabad, India  
University of Western Sydney-Nepean New South Wales, Australia  
Vellore Engineering College Vellore, Tamil Nadu, India

## SECTION C

TABLE 1 - IEEE TECHNICAL PERIODICAL PUBLICATIONS OUTPUT - 1993 (Dist. Data as of 11/30/93)

Member Dist.	Non-M Dist.	Total Dist.	Periodicals	Freq.	Total Pages	Edit. Pages	Adv. Pages
INSTITUTE-WIDE PUBLICATIONS							
308836	3281	312117	SPECTRUM	12	1264	755.00	509.00
22958	3090	26048	PROCEEDINGS	12	1888	1887.50	.50
41029	157	41186	POTENTIALS	4	224	204.00	20.00
TRANSACTIONS & JOURNALS							
4710	1449	6159	AEROSPACE & ELECTRONIC SYSTEMS	4	1424		
8448	1718	10166	ANTENNAS & PROPAGATION	12	1824		
1014	931	1945	APPLIED SUPERCONDUCTIVITY	4	3184		
12168	2034	14202	AUTOMATIC CONTROL	12	1871		
3681	1607	5288	BIOMEDICAL ENGINEERING	12	1388		
2740	1103	3843	BROADCASTING	4	432		
4965	1783	6748	CIRCUITS & SYSTEMS I	12	1012		
5578	1745	7323	CIRCUITS & SYSTEMS II	12	844		
1669	958	2627	CIRCUITS & SYSTEMS FOR VIDEO TECH.	6	483		
9160	2412	11572	COMMUNICATIONS	12	1895		
3362	1289	4651	COMPONENTS, HYBRIDS & MFG. TECH.	8	1046		
COMPUTER-AIDED DESIGN OF INTEGRATED							
3303	1366	4669	CIRCUITS & SYSTEMS	12	2023		
8402	2698	11100	COMPUTERS	12	1584		
5570	1287	6857	CONSUMER ELECTRONICS	4	1010		
12273	927	13200	* CONTROL SYSTEMS TECHNOLOGY	4	335		
3037	1175	4212	EDUCATION	4	416		
2237	1210	3447	ELECTRICAL INSULATION	6	1136		
4290	1384	5674	ELECTROMAGNETIC COMPATIBILITY	4	511		
10228	1285	11513	ELECTRON DEVICE LETTERS	12	664		
5810	1864	7674	ELECTRON DEVICES	12	2419		
2477	1459	3936	ENERGY CONVERSION	4	808		
7982	1323	9305	ENGINEERING MANAGEMENT	4	449		
7219	956	8175	* FUZZY SYSTEMS	4	317		
2643	1308	3951	GEOSCIENCE & REMOTE SENSING	6	1297		
4180	1164	5344	IMAGE PROCESSING	4	571		
5847	1460	7307	INDUSTRIAL ELECTRONICS	6	600		
10446	1613	12059	INDUSTRY APPLICATIONS	6	1266		
6501	1782	8283	INFORMATION THEORY	6	2017		
4994	1846	6840	INSTRUMENTATION & MEASUREMENT	6	1413		
4844	1223	6067	KNOWLEDGE & DATA ENGINEERING	6	1092		
2634	1251	3885	LIGHTWAVE TECHNOLOGY	12	2252		
3676	1581	5257	MAGNETICS	6	4316		
2725	1124	3849	MEDICAL IMAGING	4	851		
4503	933	5436	MICROELECTROMECHANICAL SYSTEMS	4	155		
9123	932	10055	MICROWAVE & GUIDED WAVE LETTERS	12	544		
9027	1774	10801	MICROWAVE THEORY & TECHNIQUES	12	2444		
8286	1004	9290	* NETWORKING	6	774		
7816	1379	9195	NEURAL NETWORKS	6	1025		
2206	1408	3614	NUCLEAR SCIENCE	6	2372		
1812	1034	2846	OCEANIC ENGINEERING	4	614		
5556	1190	6746	PARALLEL & DISTRIBUTED SYSTEMS	12	1445		
6742	1835	8577	PATTERN ANALYSIS & MACHINE INTELL.	12	1382		
4341	1048	5389	PHOTONICS TECHNOLOGY LETTERS	12	1515		
1031	1077	2108	PLASMA SCIENCE	6	813		
3561	1577	5138	POWER DELIVERY	4	2108		
5350	1308	6658	POWER ELECTRONICS	4	540		
4039	1726	5765	POWER SYSTEMS	4	1608		
2478	1136	3614	PROFESSIONAL COMMUNICATION	4	231		
2284	1669	3953	QUANTUM ELECTRONICS	12	3049		
866	918	1784	* REHABILITATION ENGINEERING	4	272		
3141	1647	4788	RELIABILITY	4	692		
6431	1354	7785	ROBOTICS & AUTOMATION	6	880		
7336	1516	8852	SELECTED AREAS IN COMMUNICATIONS	9	1505		
4291	1030	5321	SEMICONDUCTOR MANUFACTURING	4	419		
9682	1967	11649	SIGNAL PROCESSING	12	3653		
12514	2652	15166	SOFTWARE ENGINEERING	12	1238		
8437	1746	10183	SOLID-STATE CIRCUITS	12	1498		
3833	960	4793	* SPEECH & AUDIO PROCESSING	4	496		
5233	1799	7032	SYSTEMS, MAN & CYBERNETICS	6	1784		
ULTRASONICS, FERROELECTRICS &							
1950	1179	3129	FREQUENCY CONTROL	6	854		
4713	1219	5932	VEHICULAR TECHNOLOGY	4	706		
5886	931	6817	* VERY LARGE SCALE INTEGRATION SYSTEMS	4	592		
331281	88263	419544	Total TRANSACTIONS & JOURNALS		77958		

\* New Publication for 1993.

Translation Journal of Magnetism Not Included.

In some cases, estimates have been used for non-published issues.

SECTION G

TABLE 1 - (Continued)

Member Dist.	Non-M Dist.	Total Dist.	Periodicals	Freq.	Total Pages	Edit. Pages	Adv. Pages
MAGAZINES							
7446	969	8415	AEROSPACE & ELECTRONIC SYSTEMS MAGAZINE	12	696	696.00	
8667	965	9632	ANTENNAS & PROPAGATION MAGAZINE	6	568	523.00	45.00
2027	1154	3181	ANNALS OF THE HISTORY OF COMPUTING	4	340	340.00	
8466	1232	9698	CIRCUITS & DEVICES MAGAZINE	6	376	363.26	12.74
35391	1964	37355	COMMUNICATIONS MAGAZINE	12	1154	877.00	277.00
94863	2916	97779	COMPUTER	12	1540	1211.68	328.32
24959	992	25951	COMPUTER APPLICATIONS IN POWER	4	272	253.35	18.65
10196	2219	12415	COMPUTER GRAPHICS & APPLICATIONS	6	652	629.75	22.25
12273	1203	13476	CONTROL SYSTEMS MAGAZINE	6	600	559.67	40.33
4073	1254	5327	DESIGN & TEST OF COMPUTERS	4	408	399.66	8.34
2337	953	3290	ELECTRICAL INSULATION MAGAZINE	6	392	352.17	39.83
8975	1012	9987	ENGINEERING IN MEDICINE & BIOLOGY	4	576	565.25	10.75
7175	1037	8212	ENGINEERING MANAGEMENT REVIEW	4	440	440.00	
8482	1788	10270	EXPERT MAGAZINE	6	612	595.06	16.94
10887	1663	12550	MICRO	6	604	598.33	5.67
10062	1683	11745	NETWORK MAGAZINE	6	344	299.00	45.00
6186	934	7120	* PARALLEL & DISTRIBUTED TECHNOLOGY MAGAZINE	4	290	284.51	5.49
23624	1045	24669	POWER ENGINEERING REVIEW	12	928	928.00	
18950	1146	20096	SIGNAL PROCESSING MAGAZINE	4	264	201.00	63.00
22957	2161	25118	SOFTWARE MAGAZINE	6	744	691.00	53.00
2554	976	3530	TECHNOLOGY & SOCIETY MAGAZINE	4	144	144.00	
330550	29266	359816	Total MAGAZINES		11944	10951.69	992.31

\* New Publication for 1993.

TABLE 2 - 1993 IEEE NONSERIAL PUBLICATIONS OUTPUT

	<u>Number of Items</u>	<u>Total Pages</u>		<u>Number of Items</u>	<u>Total Pages</u>
Conference Records	233	155957	Preprints	456	3342
IEEE PRESS Books	30	15830	Standards	96	17368

Section H

1993 EDUCATIONAL ACTIVITIES STATISTICS

ACCREDITATION	<u>ABET</u>	<u>CSAB</u>
Programs reviewed	157	26
Institutions visited	110	26
Evaluators trained	42	20
INDIVIDUALS LEARNING ACTIVITIES		
Self-Study Courses		
In production		6
Products available		10
Units sold		430
Monographs		
In production		5
Products available		5
Units sold		2,898
Video Tutorials		
In production		14
Products available		106
Units sold		4,205
VIDEOCONFERENCES		
Chaos, Fractals and Non-Linear Dynamics (March 25, 1993)		
Sites		101
Attendance		1,616
Delivering Open Systems Portability - POSIX (April 22, 1993)		
Sites		115
Attendance		1,840
Delivering Software Products to the Global Marketplace (May 20, 1993)		
Sites		78
Attendance		1,248
Maintaining the Technical Currency of Our Workforce (June 17, 1993)		
Sites		90
Attendance		1,395
Product Engineering as a Process (September 30, 1993)		
Sites		95
Attendance		1,520
2020 Vision: The Information Era (October 28, 1993)		
Sites		107
Attendance		1,733
Engineering Applications for Monte Carlo and Other Simulation Analyses (December 2, 1993)		
Sites		90
Attendance		1,350
TOTAL SITES		676
TOTAL ATTENDANCE **		10,702
VIDEOCONFERENCES ON TAPE		
Products available		56
Units sold		406
VIDEOTAPES (other)		
Products available		24
Units sold		198

\*\* - These numbers are for live broadcasts only. In the course of one year after a broadcast, five times the number will see the program on tape.

SECTION I

Standards Activities

Active standards publications	680
Standards projects in development	723
Standards withdrawn	24
Ballots conducted	171
Individuals who have balloted	12,914
Drafts made available	217
New standards published	46
Revisions published	36
Collections published	8
Special publications	3
Standards Press publications	2
Total number of pages published	17,368
Total 1993 publications	96
Publication units sold*	94,686
Average units sold per order	1.77
Seminar topics	4
Classes conducted	6
Participants	143

\*Includes Standards, Drafts and Standards Press