

**ANNUAL REPORT
OF THE
SECRETARY**

————— 1991 —————



THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, Inc.

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



IEEE

THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, INC.
345 EAST 47TH STREET, NEW YORK, N.Y. 10017-2394, U.S.A. TELEX 236411

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 1991 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
- Financial 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,

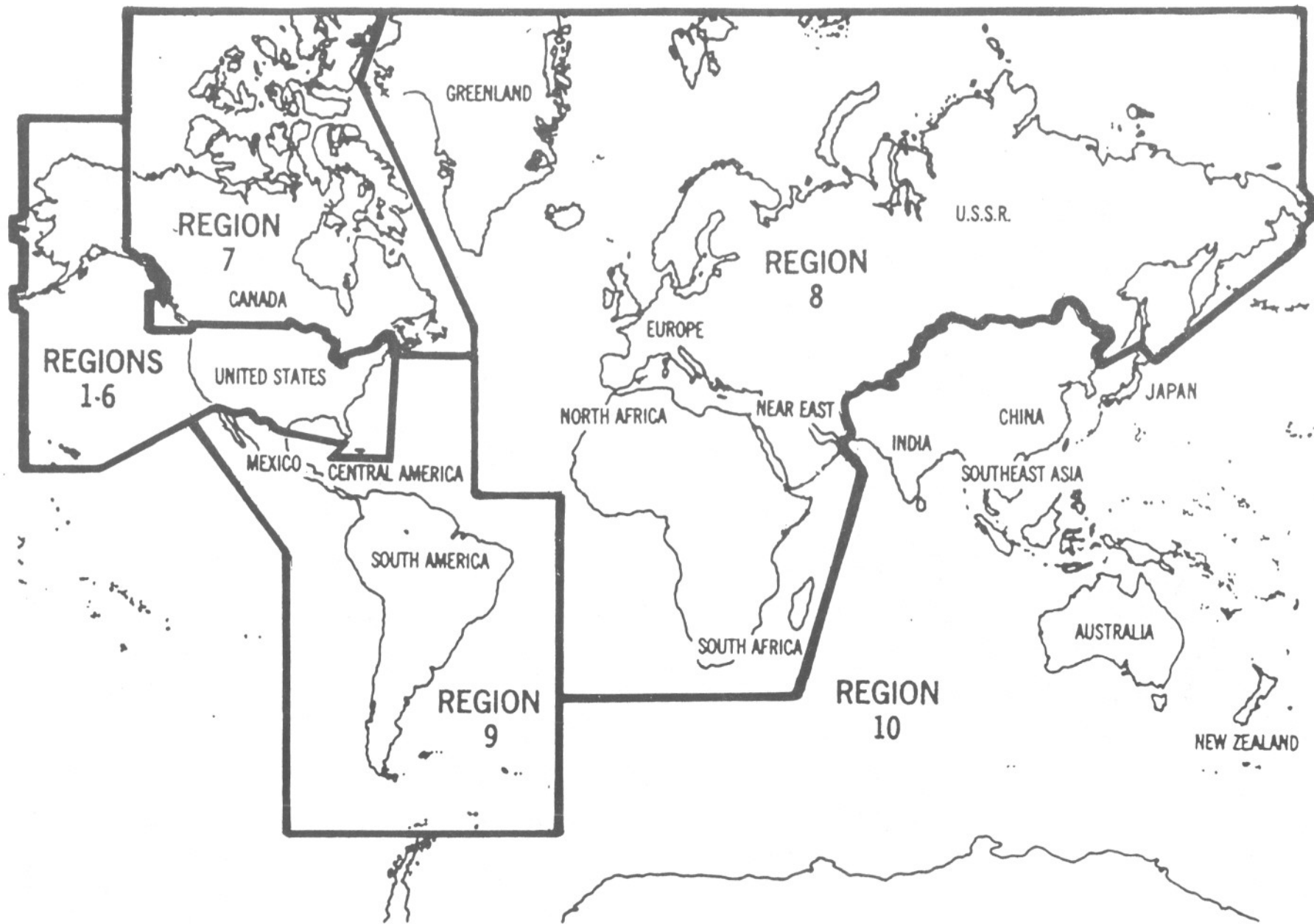
Hugh Rudnick
Secretary, 1991

February 1992

TABLE OF CONTENTS

	Page
MAPS - REGIONAL ALIGNMENT	
Regions 1 - 6	1
Regions 1 - 10	2
SECTION A - IEEE MEMBERSHIP STATISTICS	
Table 1 Membership by Region and Grade	3
Table 2 Membership by Region; 3 Year Comparison	3
Table 3 Life Members by Grade; 3 Year Comparison	4
Table 4 Women Members by Grade; 3 Year Comparison	4
Table 5 Membership by Grade, 1963-91	4
Table 6 Membership Changes by Grade; 3 Year Comparison	5
Table 7 Region 1 Membership by Section, by Grade	6
Region 2 Membership by Section, by Grade	7
Region 3 Membership by Section, by Grade	8
Region 4 Membership by Section, by Grade	10
Region 5 Membership by Section, by Grade	11
Region 6 Membership by Section, by Grade	12
Region 7 Membership by Section, by Grade	14
Region 8 Membership by Section, by Grade	15
Region 8 Membership Not Assigned to Sections	16
Region 9 Membership by Section, by Grade	18
Region 9 Membership Not Assigned to Sections	19
Region 10 Membership by Section, by Grade	20
Region 10 Membership Not Assigned to Sections	21
SECTION B - STUDENT BRANCH MEMBERSHIP STATISTICS	
Table 1 Student Branches and Student Branch Membership	22
SECTION C - SOCIETY MEMBERSHIP AND CHAPTER STATISTICS	
Table 1 Societies by Division	42
Table 2 Society Membership, by Division, by Society, by Grade; 3 Year Comparison	43
Table 3 Society Membership, by Region, by Section, by Society	44
Table 4 Number of Society Memberships Held by IEEE Members, by Region, by Section	50
Table 5 Chapters, by Society, by Section	56
SECTION D - SOCIETY AFFILIATES STATISTICS	
Table 1 Society Affiliates by Society; 5 Year Comparison	64
SECTION E - MEMBER TECHNICAL INTEREST AND IEEE MEETING/CONFERENCE ACTIVITY	
Table 1 Member Technical Interest Profile	65
Table 2 Section and Chapter Meetings Summary - 1990	66
Table 3 Chapter Meetings by Society, by Region - 1990	67
Table 4 IEEE Sponsored and Cosponsored Conferences Summary by Society, by Region - 1991	68
SECTION F - ORGANIZATION STATISTICS	
Table 1 Organizational Units of the IEEE, by Region	69
Table 2 Council, Section and Subsection Actions	70
Table 3 Chapter Changes	71
Table 4 Student Branch Changes	73
SECTION G - PUBLICATIONS STATISTICS	
Table 1 IEEE Periodical Publications Output	74
Table 2 IEEE Nonserial Publications Output	75
SECTION H - EDUCATIONAL ACTIVITIES STATISTICS	76
SECTION I - STANDARDS ACTIVITIES STATISTICS	77
SECTION J - FINANCIAL STATISTICS	
Table 1 Summary Net Projects Costs	78
Table 2 1991 Income/Expenses	79





SECTION A

TABLE 1 - IEEE MEMBERSHIP BY REGION AND GRADE

		DECEMBER 31, 1991									
		<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 MEMBERSHIP</u>	<u>% OF TOTAL</u>
REGION 1		2	1,075	4,730	35,147	40,954	4,863	45,817	5,279	51,096	15.9
REGION 2		1	642	3,715	26,954	31,312	3,049	34,361	4,531	38,892	12.1
REGION 3			430	3,305	22,658	26,393	2,357	28,750	5,131	33,881	10.6
REGION 4			297	2,013	18,818	21,128	1,974	23,102	5,099	28,201	8.8
REGION 5		1	249	2,134	20,710	23,094	1,982	25,076	4,370	29,446	9.2
REGION 6		<u>5</u>	<u>850</u>	<u>4,986</u>	<u>43,693</u>	<u>49,534</u>	<u>4,572</u>	<u>54,106</u>	<u>5,621</u>	<u>59,727</u>	<u>18.7</u>
REG 1-6 SUBTOTAL		9	3,543	20,883	167,980	192,415	18,797	211,212	30,031	241,243	75.3
REGION 7			146	960	10,372	11,478	1,683	13,161	3,969	17,130	5.3
REGION 8		1	306	1,717	16,346	18,370	2,418	20,788	5,084	25,872	8.1
REGION 9			13	351	4,012	4,376	472	4,848	3,877	8,725	2.7
REGION 10		<u>3</u>	<u>259</u>	<u>1,627</u>	<u>17,308</u>	<u>19,197</u>	<u>1,627</u>	<u>20,824</u>	<u>6,588</u>	<u>27,412</u>	<u>8.6</u>
REG 7-10 SUBTOTAL		4	724	4,655	48,038	53,421	6,200	59,621	19,518	79,139	24.7
TOTAL		13	4,267	25,538	216,018	245,836	24,997	270,833	49,549	320,382	100.0
PERCENTAGE			1.3	8.0	67.4	76.7	7.8	84.5	15.5	100.0	

TABLE 2 - IEEE MEMBERSHIP BY REGION - 3 YEAR COMPARISON, 1989-1991

	DECEMBER 31, 1991		DECEMBER 31, 1990		DECEMBER 31, 1989	
	<u>NUMBER</u>	<u>% OF TOTAL</u>	<u>NUMBER</u>	<u>% OF TOTAL</u>	<u>NUMBER</u>	<u>% OF TOTAL</u>
REGION 1	51,096	15.9	52,365	16.4	53,227	17.0
REGION 2	38,892	12.1	39,046	12.2	38,990	12.5
REGION 3	33,881	10.6	34,110	10.7	33,457	10.7
REGION 4	28,201	8.8	28,488	8.9	28,569	9.1
REGION 5	29,446	9.2	29,462	9.2	28,840	9.2
REGION 6	<u>59,727</u>	<u>18.7</u>	<u>60,021</u>	<u>18.8</u>	<u>59,452</u>	<u>19.0</u>
REG 1-6 SUBTOTAL	241,243	75.3	243,492	76.2	242,535	77.5
REGION 7	17,130	5.3	16,567	5.2	16,301	5.2
REGION 8	25,872	8.1	24,518	7.7	22,408	7.2
REGION 9	8,725	2.7	8,624	2.7	7,667	2.5
REGION 10	<u>27,412</u>	<u>8.6</u>	<u>26,026</u>	<u>8.2</u>	<u>23,780</u>	<u>7.6</u>
REG 7-10 SUBTOTAL	79,139	24.7	75,735	23.8	70,156	22.5
TOTAL	320,382	100.0	319,227	100.0	312,691	100.0

SECTION A

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

	<u>DEC. 31, 1991</u>	<u>DEC. 31, 1990</u>	<u>DEC. 31, 1989</u>
FELLOW	1,946	1,882	1,810
SENIOR MEMBER	9,254	8,705	8,129
MEMBER	9,427	8,402	7,431
ASSOCIATE	<u>820</u>	<u>744</u>	<u>670</u>
TOTAL	21,447	19,733	18,040

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

	<u>DEC. 31, 1991</u>	<u>DEC. 31, 1990</u>	<u>DEC. 31, 1989</u>
FELLOW	26	18	14
SENIOR MEMBER	236	202	168
MEMBER	10,542	10,399	10,141
ASSOCIATE	1,627	1,540	1,420
STUDENT	<u>5,578</u>	<u>5,734</u>	<u>5,857</u>
TOTAL	18,009	17,893	17,600

TABLE 5 - IEEE MEMBERSHIP BY GRADE, 1963 - 1991

<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

SECTION A

TABLE 6 - IEEE MEMBERSHIP CHANGES, BY GRADE, DURING CALENDAR YEAR 1991, 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 12/31/90	14	4,135	24,940	214,418	25,017	268,524	50,703	319,227
ADDITIONS								
ELECTIONS	1	1	240	14,085	998	15,325	27,089	42,414
DUES ARREARS PAID		157	1,304	22,066	3,085	26,612	5,680	32,292
REINSTATEMENTS		3	74	1,700	203	1,980	496	2,476
TRANSFERS TO		<u>365</u>	<u>2,082</u>	<u>25,823</u>	<u>4,540</u>	<u>32,810</u>	<u>5,000</u>	<u>37,810</u>
TOTAL ADDITIONS	<u>1</u>	<u>526</u>	<u>3,700</u>	<u>63,674</u>	<u>8,826</u>	<u>76,727</u>	<u>38,265</u>	<u>114,992</u>
DELETIONS								
RESIGNATIONS		5	60	789	150	1004	74	1,078
DECEASED	2	81	216	256	28	583	5	588
DUES ARREARS		180	1,775	49,187	7,944	59,086	15,275	74,361
TRANSFERS FROM		<u>128</u>	<u>1,051</u>	<u>11,842</u>	<u>724</u>	<u>13,745</u>	<u>24,065</u>	<u>37,810</u>
TOTAL DELETIONS	<u>2</u>	<u>349</u>	<u>2,815</u>	<u>62,770</u>	<u>8,628</u>	<u>74,562</u>	<u>39,002</u>	<u>113,837</u>
ACTIVE MEMBERSHIP 12/31/91	13	4,267	25,538	216,018	24,997	270,833	49,549	320,382
GAIN/LOSS	-1	+132	+598	+1,600	-20	+2,309	-1,154	+1,155
NET ARREARS	0	23	471	27,121	4,859	32,474	9,595	42,069

	<u>DECEMBER 31, 1991</u>	<u>DECEMBER 31, 1990</u>	<u>DECEMBER 31, 1989</u>
ADDITIONS			
ELECTIONS	42,414	46,053	44,458
REINSTATEMENTS	2,476	2,545	2,974
DUES ARREARS PAID	<u>32,292</u>	<u>29,093</u>	<u>24,525</u>
TOTAL ADDITIONS	77,182	77,691	71,957
DELETIONS			
RESIGNATIONS	1,078	1,014	1,070
DECEASED	588	572	677
DUES ARREARS	<u>74,361</u>	<u>69,553</u>	<u>61,870</u>
TOTAL DELETIONS	76,027	71,139	63,617
NET GAIN/LOSS	+1,155	+6,552	+8,340

SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE
DECEMBER 31, 1991

REGION 1

GEO CODE R C S SS	SECTION/SUBSECTION	H	F	SM	M	A	HIGHER GRADE	SUBSECTION S	SECTION TOTAL	SECTION TOTAL
							SUBTOTAL			
01 00 01	BERKSHIRE		15	58	129	11	213	14		227
01 00 03	BINGHAMTON		7	83	533	80	703	96		799
01 01 05	BOSTON (CNEC)	1	219	884	7512	896	9512	917		10429
01 01 05 03	MERRIMACK VALLEY (CNEC)		(23)	(137)	(1552)	(184)	(1896)	(108)	(2004)	
01 01 05 01	NORTHSHORE (CNEC)		(6)	(35)	(309)	(32)	(382)	(25)	(407)	
01 00 07	BUFFALO		8	100	665	76	849	248		1097
01 00 09	CONNECTICUT		50	364	2851	398	3663	353		4016
01 00 09 05	DANBURY		(5)	(94)	(804)	(94)	997	(38)	(1035)	
01 00 09 03	NEW LONDON		(8)	(33)	(366)	(38)	(445)	(53)	(498)	
01 00 13	ITHACA		24	25	160	18	227	146		373
01 03 15	LONG ISLAND (METSAC)		73	396	2896	428	3793	192		3985
01 01 17	MAINE (CNEC)		5	54	392	39	490	94		584
01 00 19	MID-HUDSON		23	122	1052	118	1315	86		1401
01 00 21	MOHAWK VALLEY		12	92	436	28	568	95		663
01 00 21 01	ST. LAWRENCE INT'L		(4)	(14)	(68)	(6)	(92)	(49)	(141)	
01 01 23	NEW HAMPSHIRE (CNEC)		16	134	1322	189	1661	106		1767
01 03 45	NEW JERSEY COAST (METSAC)		104	338	2142	192	2776	108		2884
01 03 25	NEW YORK (METSAC)		107	532	4094	937	5670	862		6532
01 03 25 03	WESTCHESTER (METSAC)		(67)	(247)	(1442)	(226)	(1982)	(80)	(2062)	
01 03 27	NORTH JERSEY (METSAC)	1	141	536	3842	585	5105	419		5524
01 03 29	PRINCETON (METSAC)		81	269	2056	298	2704	368		3072
01 01 31	PROVIDENCE (CNEC)		22	112	1134	96	1364	193		1557
01 00 33	ROCHESTER		14	120	1081	146	1361	209		1570
01 00 35	SCHENECTADY		97	240	741	69	1147	314		1461
01 00 37	SPRINGFIELD		14	35	281	30	360	157		517
01 00 39	SYRACUSE		23	120	628	68	839	126		965
01 00 41	VERMONT		8	48	400	60	516	62		578
01 01 43	WORCESTER COUNTY (CNEC)		<u>12</u>	<u>68</u>	<u>800</u>	<u>101</u>	<u>981</u>	<u>114</u>		<u>1095</u>
	<u>REGION 1 TOTALS</u>	2	1075	4730	35147	4863	45817	5279		51096
	<u>COUNCIL TOTALS</u>									
01 01	CTL NEW ENGLAND COUNCIL (CNEC)	1	274	1252	11160	1321	14008	1424		15432
01 03	METRO SEC ADV COUNCIL (METSAC)	1	506	2071	15030	2440	20048	1949		21997

SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE
DECEMBER 31, 1991

REGION 2

<u>GEO CODE</u>				<u>SECTION/SUBSECTION</u>					<u>HIGHER GRADE</u>	<u>SUBSECTION</u>	<u>SECTION</u>		
<u>R</u>	<u>C</u>	<u>S</u>	<u>SS</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>	
02	00	01			4	59	459	37	559	92		651	
02	00	21			1	8	49	11	69	6		75	
02	00	03			42	382	3379	281	4084	319		4403	
02	00	03	01		(9)	(97)	(944)	(79)	(1129)	(75)	(1204)		
02	00	05			1	24	154	20	199	57		256	
02	00	07			13	66	308	20	407	401		808	
02	00	09			11	71	709	76	867	117		984	
02	00	11			24	171	1283	126	1604	236		1840	
02	00	13			25	167	984	220	1396	457		1853	
02	00	13	05			(4)	(11)	(4)	(19)	(10)	(29)		
02	00	15			15	133	1108	114	1370	152		1522	
02	00	17			7	56	392	48	503	45		548	
02	00	47			4	22	120	19	165	8		173	
02	00	23			2	44	139	18	203	38		241	
02	00	25			1	18	128	22	169	59		228	
02	00	27			32	174	1120	148	1474	249		1723	
02	00	29			2	20	78	12	112	30		142	
02	00	31				11	48	12	71	12		83	
02	01	49			68	491	4613	521	5693	354		6047	
02	00	33			1	6	79	15	101	26		127	
02	00	35				120	607	4343	472	5542	568	6110	
02	00	37			1	79	359	1826	185	2450	481	2931	
02	00	37	01		(1)	(18)	(106)	(10)	(135)	(80)	(215)		
02	00	39			1	26	150	12	189	59		248	
02	00	41			2	25	173	16	216	14		230	
02	00	43			9	72	521	104	706	71		777	
02	01	19			176	692	4668	527	6063	654		6717	
02	01	19	01		(1)	(12)	(183)	(32)	(228)	(6)	(234)		
02	00	45			2	11	123	13	149	26		175	
					<u>1</u>	<u>642</u>	<u>3715</u>	<u>26954</u>	<u>3049</u>	<u>34361</u>	<u>4531</u>	<u>38892</u>	
					<u>REGION 2 TOTALS</u>								
					<u>COUNCIL TOTALS</u>								
02	01				244	1183	9281	1048	11756	1008		12764	

SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE
DECEMBER 31, 1991

REGION 3

GEO CODE			SECTION/SUBSECTION	H	F	SM	M	A	HIGHER GRADE SUBTOTAL	S	SUBSECTION TOTAL	SECTION TOTAL
R	C	S SS										
03	00	01	ALABAMA		13	184	834	56	1087	281		1368
03	00	01 01	MONTGOMERY		(8)	(24)	(207)	(15)	(254)	(151)	(405)	
03	00	03	ATLANTA		40	323	2639	367	3369	770		4139
03	00	03 05	ATHENS			(11)	(45)	(2)	(58)	(2)	(60)	
03	00	03 01	ROME			(16)	(85)	(7)	(108)	(17)	(125)	
03	00	05	BATON ROUGE		3	24	284	19	330	80		410
03	05	89	BROWARD (FC)		15	61	575	92	743	33		776
03	05	07	CANAVERAL (FC)		2	30	249	22	303	17		320
03	00	93	CENTRAL GEORGIA			18	237	15	270	41		311
03	01	67	CENTRAL NORTH CAROLINA (NCC)		3	26	238	47	314	58		372
03	03	81	CENTRAL SAVANNAH RIVER (SCC)			16	237	24	277	10		287
03	09	09	CENTRAL VIRGINIA (VC)		22	87	420	47	576	144		720
03	01	69	CHARLOTTE (NCC)		6	131	555	79	771	113		884
03	07	11	CHATTANOOGA (TC)		3	76	256	27	362	42		404
03	03	83	COASTAL SOUTH CAROLINA (SCC)		6	37	266	30	339	43		382
03	03	85	COLUMBIA (SCC)		2	48	347	25	422	111		533
03	05	77	DAYTONA (FC)		4	38	178	16	236	5		241
03	07	13	EAST TENNESSEE (TC)		11	103	527	63	704	174		878
03	01	71	EASTERN NORTH CAROLINA (NCC)		40	211	1938	212	2401	540		2941
03	01	71 01	LOWER CAPE FEAR (NCC)			(14)	(79)	(12)	(105)	(14)	(119)	
03	00	15	EVANSVILLE-OWENSBORO			23	260	17	300	72		372
03	00	15 01	PADUCAH			(6)	(50)	(3)	(59)	(22)	(81)	
03	05	17	FLORIDA WEST COAST (FC)		74	363	1469	171	2077	196		2273
03	05	21	GAINESVILLE (FC)		19	42	230	19	310	134		444
03	09	23	HAMPTON ROADS (VC)		5	65	733	49	852	128		980
03	00	25	HUNTSVILLE		5	89	1288	92	1474	120		1594
03	05	27	JACKSONVILLE (FC)		1	48	239	29	317	42		359
03	00	97	JAMAICA			6	87	16	109	14		123
03	00	29	LEXINGTON		4	21	309	16	350	72		422
03	00	31	LOUISVILLE		3	47	332	18	400	147		547
03	07	33	MEMPHIS (TC)		1	42	311	50	404	139		543
03	05	35	MIAMI (FC)		18	105	695	92	910	155		1065
03	07	37	MIDDLE TENNESSEE (TC)			25	64	3	92	7		99
03	00	39	MISSISSIPPI		2	36	363	23	424	128		552
03	00	39 01	NE MISSISSIPPI		(1)	(14)	(78)	(4)	(97)	(84)	(181)	

SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE
DECEMBER 31, 1991

REGION 3 (cont'd)

<u>GEO CODE</u>		<u>SECTION/SUBSECTION</u>	<u>H</u>	<u>F</u>	<u>SM</u>	<u>M</u>	<u>A</u>	<u>HIGHER GRADE SUBTOTAL</u>	<u>S</u>	<u>SUBSECTION TOTAL</u>	<u>SECTION TOTAL</u>	
R	C	S	SS									
03	00	41			1	19	173	10	203	72	275	
03	07	43			11	66	382	36	495	191	686	
03	00	45			1	102	672	47	822	124	946	
03	05	57				34	348	20	402	24	426	
03	07	49			6	29	161	10	206	15	221	
03	05	51			16	143	956	85	1200	134	1334	
03	05	53			25	134	892	102	1153	64	1217	
03	03	87			8	57	422	42	529	139	668	
03	09	59			7	69	555	71	702	14	716	
03	00	61			9	18	116	11	154	30	184	
03	05	95			11	76	780	41	908	127	1035	
03	05	55			5	25	237	16	283	79	362	
03	07	91			1	24	163	35	223	26	249	
03	09	65			16	105	342	44	507	230	737	
03	01	73			10	52	183	30	275	28	303	
03	01	75			<u>1</u>	<u>27</u>	<u>116</u>	<u>21</u>	<u>165</u>	<u>18</u>	<u>183</u>	
					<u>430</u>	<u>3305</u>	<u>22658</u>	<u>2357</u>	<u>28750</u>	<u>5131</u>	<u>33881</u>	
					<u>REGION 3 TOTALS</u>							
					<u>COUNCIL TOTALS</u>							
03	05				190	1099	6848	705	8842	1010	9852	
03	01				60	447	3030	389	3926	757	4683	
03	03				16	158	1272	121	1567	303	1870	
03	07				33	365	1864	224	2486	594	3080	
03	09				50	326	2050	211	2637	516	3153	

SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE
DECEMBER 31, 1991

REGION 4

GEO CODE R C S SS	SECTION/SUBSECTION	H	F	SM	M	A	HIGHER GRADE	S	SUBSECTION	SECTION
							SUBTOTAL		TOTAL	TOTAL
04 00 01	ARROWHEAD			21	177	19	217	62		279
04 00 45	CALUMET		2	36	335	47	420	96		516
04 00 03	CEDAR RAPIDS		5	58	318	33	414	64		478
04 00 05	CENTRAL ILLINOIS		53	89	447	29	618	344		962
04 00 07	CENTRAL INDIANA		30	174	1365	170	1739	555		2294
04 00 07 01	BLOOMINGTON		(3)	(18)	(150)	(19)	(190)	(14)	(204)	
04 00 09	CENTRAL IOWA		10	48	260	16	334	298		632
04 00 11	CHICAGO		69	483	5053	600	6205	698		6903
04 00 11 03	FOX VALLEY		(16)	(146)	(1653)	(194)	(2009)	(97)	(2106)	
04 00 11 05	NORTHWEST		(12)	(163)	(1782)	(197)	(2154)	(127)	(2281)	
04 00 13	FORT WAYNE		3	51	368	27	449	99		548
04 00 15	ILLINOIS VALLEY			19	167	9	195	64		259
04 00 17	IOWA-ILLINOIS		1	35	202	25	263	7		270
04 00 19	MADISON		10	60	430	32	532	285		817
04 00 33	MICHIANA		6	28	280	31	345	71		416
04 00 21	MILWAUKEE		19	160	1269	106	1554	372		1926
04 00 47	MISSOURI SLOPE			9	57	4	70	5		75
04 00 23	NEBRASKA		2	84	508	126	720	127		847
04 00 25	NORTHEAST MICHIGAN		1	22	279	25	327	73		400
04 00 27	NORTHEASTERN WISCONSIN		1	33	422	36	492	176		668
04 00 27 01	UPPER PENINSULA		(1)	(9)	(118)	(7)	(135)	(144)	(279)	
04 00 49	RED RIVER VALLEY		1	22	194	5	222	129		351
04 00 29	ROCK RIVER VALLEY			16	269	20	305	44		349
04 00 31	SIOUXLAND			17	151	11	179	49		228
04 00 35	SOUTHEASTERN MICHIGAN		58	258	2623	231	3170	852		4022
04 00 37	SOUTHERN MINNESOTA		2	15	321	30	368	47		415
04 00 37 01	COULEE		(1)	(3)	(45)	(3)	(52)	(2)	(54)	
04 00 39	TOLEDO		2	56	304	38	400	83		483
04 00 41	TWIN CITIES		21	162	2473	244	2900	399		3299
04 00 43	WEST MICHIGAN		1	57	546	60	664	100		764
	<u>REGION 4 TOTALS</u>		297	2013	18818	1974	23102	5099		28201

SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE
DECEMBER 31, 1991

REGION 5

<u>GEO CODE</u>			<u>SECTION/SUBSECTION</u>					<u>HIGHER GRADE</u>	<u>SUBSECTION</u>	<u>SECTION</u>	
<u>R</u>	<u>C</u>	<u>S SS</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>
05	00	01		2	52	329	37	420	59		479
05	00	03		1	16	164	9	190	65		255
05	00	05		37	154	2246	240	2677	592		3269
05	00	07		1	21	212	32	266	65		331
05	00	09	1	38	372	4015	341	4767	195		4962
05	00	11		62	342	2979	284	3667	518		4185
05	00	11 01		(2)	(7)	(68)	(2)	(79)	(39)	(118)	
05	00	11 03		(6)	(32)	(357)	(24)	(419)	(109)	(528)	
05	00	13		7	55	362	19	443	199		642
05	00	15		8	104	1249	143	1504	201		1705
05	00	45		4	35	630	59	728	65		793
05	00	17		21	230	2583	301	3135	651		3786
05	00	17 01			(8)	(85)	(5)	(98)	(7)	(105)	
05	00	19		7	148	1151	163	1469	355		1824
05	00	19 01		(2)	(15)	(95)	(21)	(133)	(25)	(158)	
05	00	41		3	11	166	11	191	149		340
05	00	21		7	68	439	38	552	128		680
05	00	37		1	31	166	21	219	48		267
05	00	23			23	114	8	145	4		149
05	00	39			3	84	8	95	4		99
05	00	43		8	59	791	53	911	140		1051
05	00	25		30	229	1944	123	2326	458		2784
05	00	25 01		(3)	(11)	(109)	(4)	(127)	(107)	(234)	
05	00	27		2	31	230	16	279	107		386
05	00	27 01				(1)	(39)	(40)	(10)	(50)	
05	00	29		5	16	131	6	158	158		316
05	00	31		5	87	447	55	594	154		748
05	00	35			47	278	15	340	55		395
<u>REGION 5 TOTALS</u>			1	249	2134	20710	1982	25076	4370		29446

SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE
DECEMBER 31, 1991

REGION 6

GEO CODE				SECTION/SUBSECTION					HIGHER GRADE	SUBSECTION	SECTION	
R	C	S	SS	H	F	SM	M	A	SUBTOTAL	S	TOTAL	TOTAL
06	00	03				7	41	5	53	3		56
06	00	05				18	243	28	289	30		319
06	00	05	03			(9)	(44)	(1)	(54)	(16)	(70)	
06	00	01			24	134	995	71	1224	162		1386
06	00	07			2	25	282	22	331	7		338
06	01	09			5	84	991	100	1180	33		1213
06	01	11				18	264	23	305	5		310
06	00	65				7	67	4	78	4		82
06	01	13			13	134	1065	145	1357	128		1485
06	00	15			1	19	138	14	172	4		176
06	00	17				13	41	565	672	49		721
06	00	19			1	15	161	19	196	11		207
06	00	21			3	36	201	24	264	52		316
06	00	71			5	49	217	17	288	31		319
06	01	23			36	79	600	66	781	232		1013
06	00	25			2	27	142	8	179	62		241
06	00	73			2	35	215	22	274	42		316
06	03	67			70	272	2952	376	3670	425		4095
06	01	27			43	398	3324	340	4105	324		4429
06	00	31			41	256	2070	255	2622	307		2929
06	00	29			39	338	2598	209	3184	354		3538
06	00	33			4	36	239	15	294	40		334
06	00	35			19	117	1185	110	1431	371		1802
06	00	35	05		(3)	(13)	(150)	(21)	(187)	(24)	(211)	
06	00	37			46	346	2590	267	3249	307		3556
06	01	39			23	237	1554	186	2000	144		2144
06	03	41			22	190	1499	237	1948	104		2052
06	03	41	01		(4)	(32)	(286)	(29)	(351)	(7)	(358)	
06	01	43			29	123	857	79	1088	172		1260
06	01	45			25	101	566	49	741	256		997
06	03	69			5	220	907	10178	12407	709		13116
06	03	69	01		(15)	(52)	(436)	(66)	(569)	(106)	(675)	
06	01	47			63	171	974	106	1314	166		1480
06	00	49			41	309	3030	271	3651	319		3970
06	01	51			21	199	2022	183	2425	146		2571

SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE
DECEMBER 31, 1991

REGION 6 (cont'd)

<u>GEO 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>SUBTOTAL</u>	<u>S</u>	<u>SUBSECTION</u> <u>TOTAL</u>	<u>SECTION</u> <u>TOTAL</u>
<u>R C S SS</u>										
06 00 53	SPOKANE		2	49	298	28	377	180		557
06 00 55	TUCSON		22	99	534	41	696	164		860
06 00 57	UTAH		10	84	857	83	1034	250		1284
06 00 59	VANDENBERG		2	15	117	14	148	3		151
06 00 61	WENATCHEE		<u>1</u>	<u>11</u>	<u>62</u>	<u>5</u>	<u>79</u>	<u>25</u>		<u>104</u>
	<u>REGION 6 TOTALS</u>	<u>5</u>	<u>850</u>	<u>4986</u>	<u>43693</u>	<u>4572</u>	<u>54106</u>	<u>5621</u>		<u>59727</u>
	<u>COUNCIL TOTALS</u>									
06 01	LOS ANGELES COUNCIL (LAC)		258	1544	12217	1277	15296	1606		16902
06 03	SF BAY AREA COUNCIL (SFBAC)	5	312	1369	14629	1710	18025	1238		19263

SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE
DECEMBER 31, 1991

REGION 7

<u>GEO CODE</u>			<u>SECTION/SUBSECTION</u>					<u>HIGHER GRADE</u>	<u>SUBSECTION</u>	<u>SECTION</u>	
<u>R</u>	<u>C</u>	<u>S SS</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>
07	03	33		5	17	217	14	253	39		292
07	05	03		5	44	377	141	567	354		921
07	05	01		5	32	148	4	189	199		388
07	05	05		8	29	300	59	396	152		548
07	05	07		1	20	168	44	233	109		342
07	03	09		40	160	1718	145	2063	685		2748
07	01	39		4	10	137	9	160	111		271
07	03	35			23	165	21	209	55		264
07	03	37		1	8	92	5	106	53		159
07	01	13		1	32	523	62	618	105		723
07	03	15		19	145	1704	163	2031	305		2336
07	05	41		2	21	66	13	102	4		106
07	03	17			10	215	15	240	242		482
07	01	19			15	99	14	128	60		188
07	03	21			4	36		40	24		64
07	01	23		3	29	598	103	733	167		900
07	05	25		34	159	2265	621	3079	702		3781
07	01	27		9	113	1025	115	1262	296		1558
07	01	29		6	32	177	24	239	101		340
07	01	31		3	57	342	111	513	206		719
<u>REGION 7 TOTALS</u>				146	960	10372	1683	13161	3969		17130
<u>COUNCIL TOTALS</u>											
07	05			55	305	3324	882	4566	1520		6086
07	03			65	367	4147	363	4942	1403		6345
07	01			26	288	2901	438	3653	1046		4699

SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE
DECEMBER 31, 1991

REGION 8

GEO CODE R C S SS	SECTION/SUBSECTION	H	F	SM	M	A	HIGHER GRADE	S	SUBSECTION	SECTION
							SUBTOTAL		TOTAL	TOTAL
08 00 37	AUSTRIA		2	23	214	29	268	101		369
08 00 01	BENELUX		38	131	1309	187	1665	622		2287
08 00 21	CENTRAL & SOUTH ITALY		13	47	512	124	696	128		824
08 00 25	DENMARK		2	25	307	35	369	63		432
08 00 03	EGYPT		5	52	156	27	240	104		344
08 00 17	GERMANY		42	198	1712	292	2244	483		2727
08 00 35	FINLAND		3	27	273	30	333	113		446
08 00 05	FRANCE		44	140	969	215	1368	61		1429
08 00 29	GREECE		3	38	493	45	579	217		796
08 00 29 01	CYPRUS			(9)	(79)	(9)	(97)	(3)	(100)	
08 00 51	HUNGARY		1	24	63	3	91	14		105
08 00 27	IRAN			8	244	104	356	159		515
08 00 09	ISRAEL		20	85	583	85	773	93		866
08 00 47	KENYA			13	78	11	102	2		104
08 00 57	KUWAIT			9	122	53	184	48		232
08 00 59	MOSCOW		2	5	22	4	33	2		35
08 00 39	NIGERIA			3	88	8	99	9		108
08 00 11	NORTH ITALY		16	54	791	197	1058	238		1296
08 00 13	NORWAY		2	34	283	41	360	23		383
08 00 13 07	BERGEN				(3)	(18)		(21)	(21)	
08 00 33	POLAND		1	39	108	8	156	15		171
08 00 45	PORTUGAL			15	189	61	265	176		441
08 00 61	ROMANIA		1	13	162	1	177	28		205
08 00 43	SAUDI ARABIA			58	431	47	536	25		561
08 00 43 01	JUBAIL				(19)		(19)	(1)	(20)	
08 00 43 05	RIYADH			(28)	(155)	(13)	(196)	(1)		(197)
08 00 41	SOUTH AFRICA		2	25	354	29	410	65		475
08 00 23	SPAIN		1	31	856	209	1097	693		1790
08 00 19	SWEDEN		16	75	608	44	743	126		869
08 00 07	SWITZERLAND		36	92	1261	146	1535	167		1702
08 00 55	TURKEY		1	17	297	15	330	531		861
08 00 63	UKRAINE				57		57			57
08 00 49	UNITED ARAB EMIRATES			18	108	21	147	3		150
08 00 15	UNITED KINGDOM & REP IRELAND	1	52	328	2766	248	3395	568		3963
08 00 53	WESTERN SAUDI ARABIA		1	13	149	9	172	16		188
08 00 31	YUGOSLAV			20	392	33	445	145		590
08 00 88	COUNTRIES OUTSIDE SECTIONS		2	57	389	57	505	46		551
	<u>REGION 8 TOTALS</u>	1	306	1717	16346	2418	20788	5084		25872

SECTION A

TABLE 7-8B - IEEE MEMBERSHIP IN REGION 8 NOT ASSIGNED TO SECTIONS, BY COUNTRY, BY GRADE
DECEMBER 31, 1991 - 3 YEAR COMPARISON

COUNTRY	H	F	SM	M	A	S	12/31/91	12/31/90	12/31/89
							TOTAL	TOTAL	TOTAL
ALGERIA				7	1	1	9	9	7
ANGOLA (W.AFRICA)				1			1	1	1
BAHREIN (ARABIAN GULF)			11	46	6	1	64	60	62
BATSUTOLAND									3
BOTSWANA (S.AFRICA)				10	3		13	13	12
BULGARIA			3	10		11	24	13	8
BURUNDI			1	1			2	1	1
CAMEROON (C.AFRICA)				3	2		5	4	3
CANARY ISLANDS									1
CZECHOSLOVAKIA			8	23	4	2	37	24	16
GHANA (W.AFRICA)			1	8	4		13	9	12
GIBRALTAR				1		1	2	2	1
GUINEA					1		1	2	1
ICELAND				42	3	2	47	43	47
IRAQ				1			1	42	47
IVORY COAST (W.AFRICA)			1	2	1	1	5	5	7
JORDAN		2	10	37	2	12	63	65	66
LEBANON				1		2	3	3	4
LIBERIA (W.AFRICA)								1	5
MADAGASCAR			1				1	2	3
MALAWI (C.AFRICA)			1	2	2		5	3	6
MALTA, ISLE OF			2	14			16	15	14
MOROCCO				9	1	2	12	8	9
QATAR (ARABIAN GULF)			12	53	4	1	70	81	80
RWANDA								1	
SENEGAL (W.AFRICA)								2	4
SOUTHWEST AFRICA									1
SP LIBYAN ARAB JAMAHIRIYA			1	17	1		19	17	17
SUDAN				10		3	13	11	14
SULTANATE OF OMAN			1	23	3		27		

SECTION A
(cont'd)

TABLE 7-8B - IEEE MEMBERSHIP IN REGION 8 NOT ASSIGNED TO SECTIONS, BY COUNTRY, BY GRADE
DECEMBER 31, 1991 - 3 YEAR COMPARISON

<u>COUNTRY</u>	<u>H</u>	<u>F</u>	<u>SM</u>	<u>M</u>	<u>A</u>	<u>S</u>	<u>12/31/91</u> <u>TOTAL</u>	<u>12/31/90</u> <u>TOTAL</u>	<u>12/31/89</u> <u>TOTAL</u>
SWAZILAND (S.AFRICA)				5			5	6	6
SYRIA			1	8		2	11	14	15
TANZANIA (S.AFRICA)				3			3		
TOGO									1
TUNISIA				6	1	1	8	14	10
YEMEN ARAB REPUBLIC				6	12	1	19	27	26
YEMEN PEOPLES DEMOCRATIC REPUBLIC				1			1		
APO AND FPO			3	39	6	3	51	19	23
MEMBERS NOT ASSIGNED TO IEEE SECTIONS		2	57	389	57	46	551	523	842
MEMBERS ASSIGNED TO IEEE SECTIONS	1	304	1660	15957	2361	5038	25321	23995	21566
<u>TOTAL, REGION 8</u>	1	306	1717	16346	2418	5084	25872	24518	22408

SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE
DECEMBER 31, 1991

REGION 9

GEO CODE R C S SS	SECTION/SUBSECTION	H	F	SM	M	A	HIGHER GRADE	S	SUBSECTION TOTAL	SECTION TOTAL
							SUBTOTAL			
09 00 01	ARGENTINA		1	32	396	52	481	335		816
09 01 27	BAHIA (BC)			7	77	8	92	18		110
09 01 15	BRASILIA (BC)			3	43	3	49	4		53
09 00 03	CHILE			14	229	26	269	300		569
09 00 05	COLOMBIA			11	184	17	212	322		534
09 00 05 01	MEDELLIN				(3)	(10)	(13)		(13)	
09 05 33	COSTA RICA (CAPC)			7	88	7	102	33		135
09 00 29	ECUADOR			5	40	4	49	15		64
09 05 35	EL SALVADOR (CAPC)			11	76	16	103	93		196
09 03 47	GUADALAJARA (MC)			4	59	7	70	42		112
09 05 37	GUATEMALA (CAPC)			8	93	17	118	145		263
09 05 39	HONDURAS (CAPC)				20	1	21	19		40
09 03 07	MEXICO (MC)		3	44	665	88	800	1035		1835
09 03 07 09	GUANAJUATO (MC)				(40)	(1)	(41)	(115)	(156)	
09 03 31	MONTERREY (MC)			11	200	25	236	286		522
09 03 31 01	LAGUNA (MC)				(10)	(4)	(14)		(14)	
09 03 31 05	REYNOSA (MC)				(3)		(3)		(3)	
09 03 31 03	TAMPICO (MC)				(19)	(6)	(25)	(18)	(43)	
09 03 41	MORELOS (MC)			4	105	11	120	29		149
09 05 25	PANAMA (CAPC)			14	128	5	147	171		318
09 00 21	PERU		1	6	134	30	171	150		321
09 07 09	PUERTO RICO & CARIBBEAN (CC)		1	40	462	52	555	89		644
09 01 11	RIO DE JANEIRO (BC)		3	44	181	11	239	47		286
09 01 17	SOUTH BRAZIL (BC)		4	46	309	47	406	131		537
09 01 17 01	CAMPINAS (BC)			(6)	(31)	(4)	(41)	(2)	(43)	
09 00 43	URUGUAY			12	138	3	153	83		236
09 00 19	VENEZUELAN			20	208	19	247	393		640
09 07 45	WESTERN PUERTO RICO (CC)			5	120	8	133	133		266
09 00 99	COUNTRIES OUTSIDE SECTIONS			3	57	15	75	4		79
<u>REGION 9 TOTALS</u>			13	351	4012	472	4848	3877		8725
<u>COUNCIL TOTALS</u>										
09 01	BRAZIL COUNCIL (BC)		7	100	610	69	786	200		986
09 07	CARIBBEAN COUNCIL (CC)		1	45	582	60	688	222		910
09 05	CTL AMERICA & PANAMA COUNCIL (CAPC)			40	405	46	491	461		952
09 03	MEXICAN COUNCIL (MC)		3	63	1029	131	1226	1392		2618

SECTION A

TABLE 7-8B - IEEE MEMBERSHIP IN REGION 9 NOT ASSIGNED TO SECTIONS, BY COUNTRY, BY GRADE
DECEMBER 31, 1991 - 3 YEAR COMPARISON

<u>COUNTRY</u>	<u>H</u>	<u>F</u>	<u>SM</u>	<u>M</u>	<u>A</u>	<u>S</u>	12/31/91 <u>TOTAL</u>	12/31/90 <u>TOTAL</u>	12/31/89 <u>TOTAL</u>
BELIZE				2			2	3	5
BOLIVIA				16	6	3	25	27	28
CAYMAN ISLANDS				4			4	5	4
FRENCH GUIANA								1	
GUYANA			1	4			5	6	5
NICARAGUA				2	2		4	2	1
PARAGUAY			2	23	7	1	33	12	5
SURINAM				3			3	1	1
APO AND FPO				3			3	6	3
MEMBERS NOT ASSIGNED TO IEEE SECTIONS			3	57	15	4	79	63	52
MEMBERS ASSIGNED TO IEEE SECTIONS		13	348	3955	457	3873	8646	8561	7615
<u>TOTAL, REGION 9</u>		13	351	4012	472	3877	8725	8624	7667

SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE
DECEMBER 31, 1991

REGION 10

GEO CODE R C S SS	SECTION/SUBSECTION	H	F	SM	M	A	HIGHER GRADE	SUBSECTION	SECTION
							SUBTOTAL	S	TOTAL
10 05 61	AUST CAPITAL TERR (AUSC)		4	10	133	18	165	11	176
10 01 19	BANGALORE (IC)		3	43	314	12	372	496	868
10 00 51	BEIJING		3	314	215	37	569	50	619
10 00 51 01	SHANGHAI			(52)	(23)	(7)	(82)	(2)	(84)
10 01 21	BOMBAY (IC)		6	76	398	57	537	513	1050
10 01 37	CALCUTTA (IC)		1	43	175	9	228	43	271
10 00 65	CHANGWON				40	1	41	3	44
10 00 67	DAEJEON			5	156	18	179	71	250
10 01 23	DELHI (IC)	1		105	373	29	508	339	847
10 01 23 03	UTTAR PRADESH (IC)			(31)	(121)	(8)	(160)	(101)	(261)
10 01 63	GUJARAT (IC)			14	109	8	131	50	181
10 00 07	HONG KONG		4	44	1433	136	1617	195	1812
10 01 49	HYDERABAD (IC)			18	168	10	196	127	323
10 00 59	INDONESIA			6	183	23	212	46	258
10 00 41	KARACHI			1	85	14	100	4	104
10 01 45	KERALA (IC)			24	194	11	229	384	613
10 01 55	KHARAGPUR (IC)		1	23	50	1	75	21	96
10 00 17	KOREA		4	45	978	115	1142	767	1909
10 00 17 01	HONAM			(2)	(23)	(2)	(27)	(4)	(31)
10 01 33	MADRAS (IC)		2	58	392	15	467	1204	1671
10 00 35	MALAYSIA			9	327	18	354	39	393
10 05 09	NEW SOUTH WALES (AUSC)		9	63	1155	80	1307	165	1472
10 03 01	NEW ZEALAND NORTH (NZC)			6	138	16	160	52	212
10 03 39	NEW ZEALAND SOUTH (NZC)		1	14	169	7	191	25	216
10 00 03	PAKISTAN			20	101	9	130	14	144
10 05 53	QUEENSLAND (AUSC)		1	24	404	17	446	209	655
10 00 15	REPUBLIC OF THE PHILIPPINES			5	92	19	116	73	189
10 00 25	SINGAPORE		1	31	1455	102	1589	718	2307
10 05 57	SOUTH AUSTRALIA (AUSC)			13	261	18	292	140	432
10 00 11	TAIPEI		5	44	827	86	962	302	1264
10 00 29	THAILAND			14	144	13	171	125	296
10 00 13	TOKYO	2	212	486	5514	606	6820	216	7036
10 05 43	VICTORIAN (AUSC)		2	44	830	70	946	108	1054
10 05 47	WESTERN AUSTRALIA (AUSC)			15	246	25	286	70	356
10 00 99	COUNTRIES OUTSIDE SECTIONS			10	249	27	286	8	294
	<u>REGION 10 TOTALS</u>	3	259	1627	17308	1627	20824	6588	27412
	<u>COUNCIL TOTALS</u>								
10 05	AUSTRALIAN COUNCIL (AUSC)		16	169	3027	228	3440	703	4143
10 01	INDIA COUNCIL (IC)	1	13	404	2173	152	2743	3177	5920
10 03	NEW ZEALAND COUNCIL (NZC)		1	20	307	23	351	77	428

SECTION A

TABLE 7-8B - IEEE MEMBERSHIP IN REGION 10 NOT ASSIGNED TO SECTIONS, BY COUNTRY, BY GRADE
DECEMBER 31, 1991 - 3 YEAR COMPARISON

COUNTRY	H	F	SM	M	A	S	12/31/91	12/31/90	12/31/89
							TOTAL	TOTAL	TOTAL
ASCENSION ISLANDS				1			1	1	
BANGLADESH			2	22	2		26	27	19
BORNEO/KALAMNTN/BRUNEI/SABAH/SARAWK				26	3		29	29	29
BURMA								1	2
CAROLINE ISLANDS								1	1
FIJI ISLANDS			2	16		1	19	11	14
GILBERT ISLANDS									1
GUAM			1	9	1		11	12	13
KAMPUCHEA				1			1		
MALAGASY REPUBLIC				1			1	1	
MALDIVES								1	2
MAURITIUS				21	2	1	24	23	18
NEPAL			1	3			4	2	5
SAIPAN/MARIANA ISLANDS				4	2		6	5	3
SEYCHELLES				2			2	3	1
SOLOMON ISLANDS				2	1		3		1
SRI LANKA			2	45	6	5	58	49	51
TONGA ISLAND				1			1	1	1
VIETNAM				1	1	1	3	3	1
WAKE ISLAND				2			2	1	
WESTERN SAMOA				1			1	2	2
APO AND FPO			<u>1</u>	<u>91</u>	<u>9</u>	<u>1</u>	<u>102</u>	<u>68</u>	<u>75</u>
MEMBERS NOT ASSIGNED TO IEEE SECTIONS			10	249	27	8	294	241	239
MEMBERS ASSIGNED TO IEEE SECTIONS	3	259	1617	17059	1600	6580	27118	25785	23541
<u>TOTAL, REGION 10</u>	<u>3</u>	<u>259</u>	<u>1627</u>	<u>17308</u>	<u>1627</u>	<u>6588</u>	<u>27412</u>	<u>26026</u>	<u>23780</u>

SECTION B

TABLE 1 - IEEE STUDENT BRANCHES AND STUDENT BRANCH MEMBERSHIP
DECEMBER 31, 1991

<u>REGION 1</u>		
<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
BINGHAMTON	*BROOME COMMUNITY COLLEGE	0
	NEW YORK STATE UNIV OF-BINGHAMTON (C)	95
BOSTON	BOSTON UNIV (C,EMB)	117
	*FRANKLIN INST OF BOSTON	4
	HARVARD UNIV	51
	LOWELL UNIV OF (C)	94
	MASSACHUSETTS INST OF TECHNOLOGY	269
	MERRIMACK COLLEGE	12
	NORTHEASTERN UNIV (PE)	271
	TUFTS UNIV	64
*WENTWORTH INST OF TECHNOLOGY	38	
BUFFALO	ALFRED UNIV	27
	BUFFALO UNIV AT SUNY/AB (C)	102
	NEW YORK STATE UNIV OF COLLEGE-BUFFALO	105
	*SUNY-ALFRED STATE COLLEGE	18
CONNECTICUT	*BRIDGEPORT ENGINEERING INST	7
	BRIDGEPORT UNIV OF (C)	19
	CONNECTICUT UNIV OF	80
	*GREATER NEW HAVEN STATE TECHNICAL COLLEGE	2
	*HARTFORD STATE TECHNICAL COLLEGE	6
	HARTFORD UNIV OF	28
	NEW HAVEN UNIV OF	60
	*THAMES VALLEY STATE TECHNICAL COLLEGE	17
	TRINITY COLLEGE	9
	U S COAST GUARD ACADEMY	8
	*WARD TECHNICAL COLLEGE	14
*WATERBURY STATE TECHNICAL COLLEGE	50	
YALE UNIV	52	
ITHACA	CORNELL UNIV	161
LONG ISLAND	HOFSTRA UNIV	16
	NEW YORK INST OF TECHNOLOGY-OLD WESTBURY	20
	*NEW YORK STATE UNIV OF-FARMINGDALE	3
	NEW YORK STATE UNIV OF-STONY BROOK	86
	POLYTECHNIC INST OF NEW YORK L I CENTER	22
MAINE	MAINE UNIV OF	61
	SOUTHERN MAINE UNIV OF	23
MID-HUDSON	*DUTCHESS COMMUNITY COLLEGE	0
	NEW YORK STATE UNIV OF COLLEGE-NEW PALTZ	18
	U S MILITARY ACADEMY (C)	10
MOHAWK VALLEY	CLARKSON UNIV	93
	*NEW YORK A AND T COLLEGE-CANTON	1
	NEW YORK STATE UNIV OF INST OF TECH-UTICA	46
NEW HAMPSHIRE	DARTMOUTH COLLEGE	17
	*NEW HAMPSHIRE TECHNICAL INST	6
	NEW HAMPSHIRE UNIV OF	55
NEW JERSEY COAST	MONMOUTH COLLEGE	27
NEW YORK	*AERONAUTICS COLLEGE OF (C)	15
	*BRAMSON ORT TECHNICAL INST	0
	*BRONX COMMUNITY COLLEGE-DAY DIVISION	5
	COLUMBIA UNIV (C)	122
	COOPER UNION (C)	43

* IEEE LESS THAN FOUR YEAR STUDENT BRANCH.

SECTION B

REGION 1 (cont'd)

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
NEW YORK	MANHATTAN COLLEGE	53
	NEW YORK CITY COLLEGE OF (COM,MTT)	137
	*NEW YORK CITY TECHNICAL COLLEGE	5
	NEW YORK INST OF TECHNOLOGY	57
	NEW YORK STATE UNIV OF-MARITIME COLLEGE	13
	POLYTECHNIC UNIV (C)	211
	PRATT INSTITUTE	13
	QUEENS COLLEGE-NEW YORK	7
	*QUEENSBOROUGH COMMUNITY COLLEGE (C)	23
	STATEN ISLAND COLLEGE OF-ST GEORGE CAMPUS	21
	*STATEN ISLAND COLLEGE OF-SUNNYSIDE CAMPUS	19
	*TECHNICAL CAREER INSTITUTES (C)	36
	*WESTCHESTER COMMUNITY COLLEGE	18
	NORTH JERSEY	FAIRLEIGH DICKINSON UNIV-DAY DIVISION
*HUDSON COUNTY COMMUNITY COLLEGE		4
*MORRIS COUNTY COLLEGE OF NEW JERSEY INST OF TECHNOLOGY		24 192
STEVENS INST OF TECHNOLOGY		100
*UNION COUNTY COLLEGE		17
PRINCETON	*DEVRY TECHNICAL INST-WOODBRIDGE	69
	*MIDDLESEX COUNTY COLLEGE	8
	PRINCETON UNIV	101
	RUTGERS UNIV (EMB) TRENTON STATE COLLEGE	219 23
PROVIDENCE	BROWN UNIV	56
	RHODE ISLAND UNIV OF ROGER WILLIAMS COLLEGE	80 17
	MASSACHUSETTS UNIV OF-DARTMOUTH (C)	31
	ROCHESTER	ROCHESTER INST OF TECH-BRANCH A (C)
ROCHESTER INST OF TECH-BRANCH B (C)		1
ROCHESTER UNIV OF		68
SCHENECTADY	*HUDSON VALLEY COMMUNITY COLLEGE	4
	RENSSELAER POLYTECHNIC INST (C,COM,CS,EMB,PE,RA,SP)	309
	UNION COLLEGE	16
SPRINGFIELD	MASSACHUSETTS UNIV OF (C)	156
	WESTERN NEW ENGLAND COLLEGE	30
SYRACUSE	SYRACUSE UNIV (C,EMB)	130
VERMONT	*CHAMPLAIN COLLEGE	0
	NORWICH UNIV (C)	9
	*VERMONT TECHNICAL COLLEGE	14
	VERMONT UNIV OF	30
WORCESTER COUNTY	WORCESTER POLYTECHNIC INST (EMB)	106

* IEEE LESS THAN FOUR YEAR STUDENT BRANCH.

() ALSO HAS STUDENT BRANCH CHAPTER OF THE INDICATED SOCIETY -
CAS-CIRCUITS AND SYSTEMS, COM-COMMUNICATIONS, C-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, MTT-MICROWAVE, THEORY AND TECHNIQUES,
PEL-POWER ELECTRONICS, PE-POWER ENGINEERING, SP-SIGNAL PROCESSING.

SECTION BREGION 2

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
AKRON	AKRON UNIV OF (C)	110
BALTIMORE	*ANNE ARUNDEL COMMUNITY COLLEGE	11
	JOHNS HOPKINS UNIV	114
	LOYOLA COLLEGE	19
	MORGAN STATE UNIV	40
	U S NAVAL ACADEMY	2
CANTON	*KENT STATE UNIV-TUSCARAWAS	15
	*STARK TECHNICAL COLLEGE	16
	STEUBENVILLE FRANCISCAN UNIV OF	5
CENTRAL PENNSYLVANIA	BUCKNELL UNIV	30
	PENNSYLVANIA STATE UNIV (C)	472
CINCINNATI	CINCINNATI UNIV OF	76
	CINCINNATI UNIVERSITY-OMI COLLEGE	16
CLEVELAND	CASE WESTERN RESERVE UNIV (C)	102
	CLEVELAND STATE UNIV	90
COLUMBUS	*COLUMBUS STATE COMMUNITY COLLEGE	5
	*DEVRY INST OF TECHNOLOGY-COLUMBUS	72
	*FRANKLIN UNIV	12
	*MUSKINGUM AREA TECHNICAL COLLEGE	9
	OHIO STATE UNIV (C)	313
	OHIO UNIV (C)	75
DAYTON	DAYTON UNIV OF	54
	*DAYTON UNIV OF-TECHNICAL INST	10
	*EDISON STATE COMMUNITY COLLEGE	5
	*SINCLAIR COLLEGE	3
	U S AIR FORCE INST OF TECHNOLOGY	29
	WRIGHT STATE UNIV (C)	58
DELAWARE BAY	DELAWARE UNIV OF	55
ERIE	GANNON UNIV	22
	*PENNSYLVANIA STATE UNIV-BEHREND COLLEGE	17
JOHNSTOWN	PITTSBURGH UNIV OF-JOHNSTOWN	26
LEHIGH VALLEY	LAFAYETTE COLLEGE	24
	LEHIGH UNIV	95
	*PENNSYLVANIA STATE UNIV-WILKES BARRE	16
	SCRANTON UNIV OF	17
	WILKES COLLEGE	37
LIMA	OHIO NORTHERN UNIV	44
NORTHERN VIRGINIA	GEORGE MASON UNIV (C)	212
OHIO VALLEY	*SHAWNEE STATE UNIV	2
PHILADELPHIA	DREXEL UNIV-DAY DIVISION (C)	185
	DREXEL UNIV-EVENING COLLEGE	34
	PENNSYLVANIA UNIV OF (C)	95
	SPRING GARDEN COLLEGE	2
	SWARTHMORE COLLEGE	16
	TEMPLE UNIV (EMB)	92
	VILLANOVA UNIV OF	67
	WIDENER UNIV	30

* IEEE LESS THAN FOUR YEAR STUDENT BRANCH.

SECTION B

REGION 2 (cont'd)

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
PITTSBURGH	CARNEGIE MELLON UNIV	227
	*FAIRMONT STATE COLLEGE	31
	*PENNSYLVANIA STATE UNIV-BEAVER CAMPUS	16
	*PENNSYLVANIA STATE UNIV-MCKEESPORT	2
	PITTSBURGH UNIV OF (C)	112
	POINT PARK COLLEGE	9
	WEST VIRGINIA UNIV (C)	65
SHARON	GROVE CITY COLLEGE	26
	YOUNGSTOWN STATE UNIV	37
SUSQUEHANNA	PENNSYLVANIA STATE UNIV-CAPITOL	36
	*PENNSYLVANIA STATE UNIV-YORK	15
WASHINGTON	CAPITOL INST OF TECHNOLOGY	31
	CATHOLIC UNIV OF AMERICA	25
	*DISTRICT OF COLUMBIA UNIV OF THE	45
	GEORGE WASHINGTON UNIV (C,COM,EMB)	164
	HOWARD UNIV	39
	MARYLAND UNIV OF (C)	503
WEST VIRGINIA	WEST VIRGINIA INST OF TECHNOLOGY	26

* IEEE LESS THAN FOUR YEAR STUDENT BRANCH.

() ALSO HAS STUDENT BRANCH CHAPTER OF THE INDICATED SOCIETY -
CAS-CIRCUITS AND SYSTEMS, COM-COMMUNICATIONS, C-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, MTT-MICROWAVE, THEORY AND TECHNIQUES,
PEL-POWER ELECTRONICS, PE-POWER ENGINEERING.

SECTION BREGION 3

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
ALABAMA	ALABAMA UNIV OF (C)	92
	ALABAMA UNIV OF-BIRMINGHAM	50
	AUBURN UNIV (C,PE)	129
	TUSKEGEE UNIV	40
ATLANTA	*CHATTAHOOCHEE TECHNICAL INST	14
	*DEKALB TECHNICAL INST	6
	*DEVRY INST OF TECHNOLOGY-ATLANTA	36
	GEORGIA INST OF TECHNOLOGY (C,EMB,PE)	629
	SOUTHERN TECHNICAL INST	72
BATON ROUGE	LOUISIANA STATE UNIV-BATON ROUGE (C)	52
	SOUTHERN UNIV	37
CENTRAL GEORGIA	GEORGIA SOUTHERN COLLEGE	15
	MERCER UNIV	29
CENTRAL NORTH CAROLINA	*GUILFORD TECHNICAL COMMUNITY COLLEGE	9
	NORTH CAROLINA A & T STATE UNIV	49
CENTRAL SAVANNAH RIVER	*AUGUSTA AREA TECHNICAL SCHOOL	0
CENTRAL VIRGINIA	VIRGINIA UNIV OF	166
CHARLOTTE	*CENTRAL PIEDMONT COMMUNITY COLLEGE	33
	*GASTON COLLEGE	8
	NORTH CAROLINA UNIV OF-CHARLOTTE	66
CHATTANOOGA	*CHATTANOOGA STATE TECHNICAL INST	14
	TENNESSEE UNIV OF-CHATTANOOGA	24
COASTAL SOUTH CAROLINA	CITADEL THE	29
	*TRIDENT TECHNICAL COLLEGE	0
COLUMBIA	*FLORENCE-DARLINGTON TECHNICAL COLLEGE	0
	SOUTH CAROLINA STATE COLLEGE	22
	SOUTH CAROLINA UNIV OF	109
EAST TENNESSEE	*PELLISSIPPI STATE TECHNICAL COM COLLEGE	17
	TENNESSEE UNIV OF-KNOXVILLE (C)	188
EASTERN NORTH CAROLINA	DUKE UNIV	114
	*FAYETTEVILLE TECHNICAL INST	3
	NORTH CAROLINA STATE UNIV (C,PE)	380
	NORTH CAROLINA UNIV OF-CHAPEL HILL	20
	*SOUTHERN ILLINOIS UNIV/STC	1
*WAKE TECHNICAL COLLEGE	15	
EVANSVILLE-OWENSBORO	EVANSVILLE UNIV OF	27
	MURRAY STATE UNIV	20
	SOUTHERN INDIANA UNIV OF	10
FLORIDA WEST COAST	SOUTH FLORIDA UNIV OF (C,PE)	187
GAINESVILLE	FLORIDA UNIV OF (C)	160
HAMPTON ROADS	HAMPTON UNIV	13
	NORFOLK STATE UNIV	32
	OLD DOMINION UNIV (C)	80
HUNTSVILLE	ALABAMA A & M UNIV	11
	ALABAMA UNIV OF-HUNTSVILLE	87
JACKSONVILLE	NORTH FLORIDA UNIV OF	28

* IEEE LESS THAN FOUR YEAR STUDENT BRANCH.

SECTION BREGION 3 (cont'd)

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
JAMAICA	COLLEGE OF ARTS, SCIENCE AND TECHNOLOGY	1
LEXINGTON	KENTUCKY UNIV OF	77
LOUISVILLE	LOUISVILLE UNIV OF WESTERN KENTUCKY UNIV	125 7
MEMPHIS	*ARKANSAS STATE UNIV CHRISTIAN BROTHERS COLLEGE MEMPHIS STATE UNIV (C) MISSISSIPPI UNIV OF *STATE TECHNICAL INST-MEMPHIS TENNESSEE UNIV OF-MARTIN	25 25 28 59 12 20
MIAMI	FLORIDA INTERNATIONAL UNIV MIAMI UNIV OF (C)	78 70
MISSISSIPPI	MISSISSIPPI STATE UNIV (EMB,PE) SOUTHERN MISSISSIPPI UNIV OF	90 38
MOBILE	SOUTH ALABAMA UNIV OF	77
NASHVILLE	TENNESSEE STATE UNIV TENNESSEE TECHNOLOGICAL UNIV (C) VANDERBILT UNIV	23 75 109
NEW ORLEANS	NEW ORLEANS UNIV OF TULANE UNIV (C)	80 30
NORTHWEST FLORIDA	WEST FLORIDA UNIV OF	15
ORLANDO	CENTRAL FLORIDA UNIV OF (C, JT CS/RA/SMC)	142
PALM BEACH	FLORIDA ATLANTIC UNIV	70
PIEDMONT	CLEMSON UNIV (C,PE)	150
S BREVARD INDIAN RIVER	FLORIDA INST OF TECHNOLOGY (C)	133
SAVANNAH	SAVANNAH STATE COLLEGE	12
TALLAHASSEE AREA	FLORIDA A & M UNIV FLORIDA A&M/FLORIDA STATE UNIV	28 50
TRI CITIES	*NORTHEAST STATE TECHNICAL COM COLLEGE *TRI-CITIES SECTION STUDENT BRANCH (C)	11 0
VIRGINIA MOUNTAIN	*SOUTHWEST VIRGINIA COMMUNITY COLLEGE VIRGINIA MILITARY INST VIRGINIA POLY INST & STATE UNIV (C,PE,PEL) *VIRGINIA WESTERN COMMUNITY COLLEGE	7 38 216 18

* IEEE LESS THAN FOUR YEAR STUDENT BRANCH.

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CAS-CIRCUITS AND SYSTEMS, COM-COMMUNICATIONS, C-COMPUTER,
CS-CONTROL SYSTEMS, ED-ELECTRON DEVICES, EMB-ENGINEERING IN
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MEASUREMENT, MTT-MICROWAVE, THEORY AND TECHNIQUES,
PEL-POWER ELECTRONICS, PE-POWER ENGINEERING.

SECTION BREGION 4

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
ARROWHEAD	MINNESOTA UNIV OF-DULUTH (C)	62
CALUMET	PURDUE UNIV-CALUMET	45
	*VALPARAISO TECHNICAL INST	3
	VALPARAISO UNIV (C)	36
CEDAR RAPIDS	IOWA UNIV OF	65
	*NORTHERN IOWA UNIV OF	1
CENTRAL ILLINOIS	ILLINOIS UNIV OF-URBANA/CHAMPAIGN (C,EMB)	343
CENTRAL INDIANA	*ITT TECHNICAL INST-INDIANAPOLIS	38
	PURDUE UNIV-INDIANAPOLIS	52
	PURDUE UNIV-WEST LAFAYETTE (C)	496
	ROSE-HULMAN INST OF TECHNOLOGY	30
CENTRAL IOWA	IOWA STATE UNIV (C)	322
CHICAGO	DEPAUL UNIV	14
	DEVRY INST OF TECHNOLOGY-CHICAGO	129
	*DEVRY INST OF TECHNOLOGY-LOMBARD	30
	ILLINOIS INST OF TECHNOLOGY (C)	147
	ILLINOIS UNIV OF-CHICAGO (EMB)	148
	NORTHWESTERN UNIV (C)	131
FORT WAYNE	INDIANA INST OF TECHNOLOGY	19
	PURDUE UNIV-FORT WAYNE	38
	TRI-STATE UNIV (C)	29
ILLINOIS VALLEY	BRADLEY UNIV	72
MADISON	WISCONSIN UNIV OF-MADISON (C)	257
	WISCONSIN UNIV OF-PLATTEVILLE	45
MICHIANA	NOTRE DAME UNIV OF	48
MILWAUKEE	MARQUETTE UNIV	148
	MILWAUKEE SCHOOL OF ENGINEERING	141
	*WAUKESHA COUNTY TECHNICAL INST	12
	WISCONSIN UNIV OF-MILWAUKEE (C)	92
	WISCONSIN UNIV OF-PARKSIDE	2
NEBRASKA	*GATEWAY ELECTRONICS INST (C)	12
	NEBRASKA UNIV OF-LINCOLN	73
	*NEBRASKA UNIV OF-OMAHA	31
NORTHEAST MICHIGAN	GMI ENGINEERING AND MANAGEMENT INST	47
	SAGINAW VALLEY STATE UNIV	22
NORTHEASTERN WISCONSIN	*LAKE SUPERIOR STATE COLLEGE	9
	MICHIGAN TECH UNIV (C,PE)	177
RED RIVER VALLEY	NORTH DAKOTA STATE UNIV (C,EMB)	111
	NORTH DAKOTA UNIV OF	52
ROCK RIVER VALLEY	NORTHERN ILLINOIS UNIV	53
SIouxLAND	DORDT COLLEGE	11
	SOUTH DAKOTA STATE UNIV	33

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SECTION B

REGION 4 (cont'd)

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
SOUTHEASTERN MICHIGAN	DETROIT UNIV OF (C)	24
	LAWRENCE INST OF TECHNOLOGY (C)	83
	MICHIGAN STATE UNIV	173
	MICHIGAN UNIV OF-ANN ARBOR	334
	MICHIGAN UNIV OF-DEARBORN	36
	OAKLAND UNIV	52
	*ST CLAIR COLLEGE OF TECHNOLOGY	25
	WAYNE STATE UNIV (C)	103
	WINDSOR UNIV OF	35
	SOUTHERN MINNESOTA	MANKATO STATE UNIV
TOLEDO	TOLEDO UNIV OF	69
	*TOLEDO UNIV OF-COMMUNITY & TECH COLLEGE	9
TWIN CITIES	MINNESOTA UNIV OF	311
	ST CLOUD STATE UNIV	41
	*WISCONSIN UNIV OF-STOUT (C)	18
WEST MICHIGAN	WESTERN MICHIGAN UNIV (C)	58

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SECTION BREGION 5

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
ARKANSAS	*ARKANSAS COLLEGE OF TECHNOLOGY	22
	ARKANSAS UNIV OF-LITTLE ROCK	20
BEAUMONT	LAMAR UNIV	44
	MCNEESE STATE UNIV	20
CENTRAL TEXAS	ST MARY'S UNIV	10
	TEXAS UNIV OF-AUSTIN (C)	481
	TEXAS UNIV OF-SAN ANTONIO	46
	TRINITY UNIV	8
CORPUS CHRISTI	*DEL MAR COLLEGE (C)	30
	TEXAS A & I UNIV	32
DALLAS	DEVRY INST OF TECHNOLOGY-IRVING	41
	EAST TEXAS STATE UNIV (C)	3
	SOUTHERN METHODIST UNIV (C)	44
	TEXAS UNIV OF-DALLAS	63
DENVER	COLORADO SCHOOL OF MINES	24
	COLORADO STATE UNIV (C)	75
	COLORADO UNIV OF-BOULDER	143
	COLORADO UNIV OF-DENVER	96
	DENVER UNIV OF	20
	METROPOLITAN STATE COLLEGE	57
	SOUTH DAKOTA SCHOOL OF MINES & TECHNOLOGY	41
WYOMING UNIV OF	69	
EL PASO	NEW MEXICO STATE UNIV	147
	TEXAS UNIV OF-EL PASO	75
FORT WORTH	TEXAS CHRISTIAN UNIV (C)	1
	TEXAS UNIV OF-ARLINGTON (C)	178
GALVESTON BAY	HOUSTON UNIV OF-CLEAR LAKE	20
HOUSTON	HOUSTON UNIV OF-COLLEGE OF ENGRG	216
	HOUSTON UNIV-COLLEGE OF TECHNOLOGY	41
	PRAIRIE VIEW A & M UNIV	21
	RICE UNIV (C)	64
	TEXAS A & M UNIV (C, EMB)	249
	TEXAS A & M UNIV-ENGRG TECHNOLOGY (COM, IA)	65
KANSAS CITY	CENTRAL MISSOURI STATE UNIV	10
	*DEVRY INST OF TECHNOLOGY-KANSAS CITY	15
	KANSAS STATE UNIV	156
	KANSAS UNIV OF	119
	MISSOURI UNIV OF-KANSAS CITY	38
	PITTSBURG STATE UNIV	18
SOUTHWEST MISSOURI STATE COLLEGE	6	
LAFAYETTE	SOUTHWESTERN LOUISIANA UNIV OF (C)	151
OKLAHOMA CITY	OKLAHOMA CHRISTIAN COLLEGE	30
	OKLAHOMA UNIV OF	92
OZARK	ARKANSAS UNIV OF	54
PIKES PEAK	COLORADO TECHNICAL COLLEGE	37
	COLORADO UNIV OF-COLORADO SPRINGS	53
	SOUTHERN COLORADO UNIV OF	28
	U S AIR FORCE ACADEMY	16
SAINT LOUIS	MISSOURI UNIV OF-COLUMBIA (C)	88
	MISSOURI UNIV OF-ROLLA (C)	145
	PARKS COLLEGE OF ST LOUIS UNIV	21

* IEEE LESS THAN FOUR YEAR STUDENT BRANCH.

SECTION B

REGION 5 (cont'd)

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
SAINT LOUIS (cont'd)	SOUTHERN ILLINOIS UNIV-CARBONDALE	87
	SOUTHERN ILLINOIS UNIV-EDWARDSVILLE	35
	WASHINGTON UNIV	105
SHREVEPORT	LETOURNEAU COLLEGE	15
	LOUISIANA TECHNOLOGICAL UNIV	79
	NORTHWESTERN STATE UNIV OF LOUISIANA	16
SOUTH PLAINS	TEXAS TECHNOLOGICAL UNIV	176
TULSA	*OKLAHOMA JUNIOR COLLEGE	6
	OKLAHOMA STATE UNIV (C)	83
	OKLAHOMA STATE UNIV-BRANCH B	13
	ORAL ROBERTS UNIV	29
	TULSA UNIV OF	38
WICHITA	WICHITA STATE UNIV	41

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SECTION BREGION 6

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
ALASKA	ALASKA UNIV OF	21
ALBUQUERQUE	NEW MEXICO UNIV OF (C)	146
FOOTHILL	CALIFORNIA POLYTECHNIC STATE UNIV-POMONA (C)	82
	DEVRY INST OF TECHNOLOGY-LOS ANGELES	43
	HARVEY MUDD COLLEGE	26
HAWAII	HAWAII UNIV OF	41
LAS VEGAS	NEVADA UNIV OF LAS VEGAS	54
METRO LOS ANGELES	CALIFORNIA STATE UNIV-LOS ANGELES	143
	SOUTHERN CALIFORNIA UNIV OF	291
	WEST COAST UNIV	7
MONTANA	MONTANA STATE UNIV	52
	NORTHERN MONTANA COLLEGE	10
NORTHERN NEVADA	NEVADA UNIV OF-RENO	40
OAKLAND-EAST BAY	CALIFORNIA STATE UNIV-FRESNO (C)	47
	CALIFORNIA UNIV OF-BERKELEY (C)	284
ORANGE COUNTY	CALIFORNIA STATE UNIV-FULLERTON	51
	CALIFORNIA UNIV OF-IRVINE	171
PHOENIX	ARIZONA STATE UNIV (C)	238
	ARIZONA STATE UNIV-II-CET DEPT	15
	DEVRY INST OF TECHNOLOGY-PHOENIX	65
	EMBRY-RIDDLE AERONAUTICAL UNIV	11
	NORTHERN ARIZONA UNIV	22
PORTLAND	*OREGON INST OF TECHNOLOGY	23
	OREGON STATE UNIV	149
	PORTLAND STATE UNIV	66
	PORTLAND UNIV OF (C)	41
RICHLAND	WALLA WALLA COLLEGE	28
	WASHINGTON STATE UNIV-RICHLAND	8
SACRAMENTO	CALIFORNIA STATE UNIV-CHICO	83
	CALIFORNIA STATE UNIV-SACRAMENTO (C)	102
	CALIFORNIA UNIV OF-DAVIS	193
	PACIFIC UNIV OF THE (C)	33
SAN DIEGO	CALIFORNIA UNIV OF-SAN DIEGO (C)	123
	NATIONAL UNIVERSITY	0
	SAN DIEGO STATE UNIV	100
	SAN DIEGO UNIV OF-ALCALA PARK	72
SAN FERNANDO VALLEY	CALIFORNIA STATE UNIV-NORTHRIDGE	75
	*LOS ANGELES PIERCE COLLEGE	9
SAN FRANCISCO	SAN FRANCISCO STATE UNIV	47
SANTA BARBARA	CALIFORNIA POLYTECHNIC STATE UNIV-SAN LUIS OBISPO (C,PE)	156
	CALIFORNIA UNIV OF-SANTA BARBARA (C)	138
SANTA CLARA VALLEY	CALIFORNIA UNIV OF-SANTA CRUZ	57
	*COGSWELL COLLEGE	6
	*FOOTHILL COLLEGE	0
	SAN JOSE STATE UNIV (C)	133
	SANTA CLARA UNIV OF (C)	91
	STANFORD UNIV (C)	295
	U S NAVAL POSTGRADUATE SCHOOL	57

* IEEE LESS THAN FOUR YEAR STUDENT BRANCH.

SECTION B

REGION 6 (cont'd)

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
SANTA MONICA BAY	CALIFORNIA UNIV OF-LOS ANGELES	155
	LOYOLA MARYMOUNT UNIV	15
	NORTHROP UNIV	6
SEATTLE	SEATTLE PACIFIC UNIV	15
	SEATTLE UNIV	32
	WASHINGTON UNIV OF (C)	193
	WESTERN WASHINGTON UNIV	10
SOUTH BAY HARBOR	CALIFORNIA STATE UNIV-LONG BEACH (C)	125
SPOKANE	GONZAGA UNIV	21
	IDAHO UNIV OF	41
	WASHINGTON STATE UNIV-PULLMAN (C)	140
TUCSON	ARIZONA UNIV OF	177
UTAH	BRIGHAM YOUNG UNIV	76
	BRIGHAM YOUNG UNIV-BRANCH B	18
	UTAH STATE UNIV	50
	UTAH UNIV OF (C)	83
	WEBER STATE COLLEGE	28
WENATCHEE	CENTRAL WASHINGTON UNIV	22

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SECTION BREGION 7

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
CANADIAN ATLANTIC	NOVA SCOTIA TECHNICAL UNIV OF	35
HAMILTON	MCMASTER UNIV (C)	130
	*MOHAWK COLLEGE OF APPLIED A & T	43
	*NIAGARA COLLEGE (C)	202
KINGSTON	QUEEN'S UNIV (C)	206
	ROYAL MILITARY COLLEGE OF CANADA	19
	*SAINT LAWRENCE COLLEGE OF APPLIED A & T	2
KITCHENER-WATERLOO	*CONESTOGA COLLEGE OF APPLIED A & T	52
	WATERLOO UNIV OF-STREAM A (JT C/COM/CS/IT)	103
	WATERLOO UNIV OF-STREAM B	120
LONDON	*FANSHAW COLLEGE	48
	WESTERN ONTARIO UNIV OF	52
MONTREAL	CONCORDIA UNIV (C)	131
	ECOLE DE TECHNOLOGIE SUPERIEURE	110
	ECOLE POLYTECHNIQUE-UNIV OF MONTREAL (C)	133
	MCGILL UNIV (C)	184
NEW BRUNSWICK	NEW BRUNSWICK UNIV OF	61
NEWFOUNDLAND-LABRADOR	NEWFOUNDLAND MEMORIAL UNIV OF	52
NORTHERN CANADA	ALBERTA UNIV OF (C)	103
	*WESTERRA INST OF TECHNOLOGY	1
OTTAWA	*ALGONQUIN COLLEGE	41
	CARLETON UNIV (C,COM)	141
	OTTAWA UNIV OF	97
QUEBEC	COLLEGE MILITAIRE ROYAL-ST JEAN	0
	LAVAL UNIV	241
	SHERBROOKE UNIV DE	95
SAINT MAURICE	QUEBEC UNIV OF-TROIS RIVIERES	27
SOUTH SASKATCHEWAN	REGINA UNIV OF	53
	*SASKATCHEWAN TECHNICAL INST	4
	SASKATCHEWAN UNIV OF	115
SOUTHERN ALBERTA	CALGARY UNIV OF	99
	*SOUTHERN ALBERTA INST OF TECHNOLOGY	44
TORONTO	CENTENNIAL COLLEGE OF APPLIED A & T	11
	*DEVRY INST OF TECHNOLOGY-TORONTO	77
	*GEORGE BROWN COLLEGE OF APPLIED A & T	15
	*NORTHERN COLLEGE OF APPLIED A & T	18
	*RADIO COLLEGE OF CANADA	38
	RYERSON POLYTECHNIC INST	75
	*SAULT COLLEGE OF APPLIED A & T	3
	*SENECA COLLEGE OF APPLIED A & T	10
	TORONTO UNIV OF	273
VANCOUVER	*BRITISH COLUMBIA INST OF TECHNOLOGY	6
	BRITISH COLUMBIA UNIV OF (C)	226
	SIMON FRASER UNIV	46
VICTORIA	VICTORIA UNIV OF	117
WINNIPEG	*ASSINIBOINE COMMUNITY COLLEGE	5
	LAKEHEAD UNIV	65
	MANITOBA UNIV OF (C)	113
	*RED RIVER COMMUNITY COLLEGE	18

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() ALSO HAS STUDENT BRANCH CHAPTER OF THE INDICATED SOCIETY.

SECTION BREGION 8

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
	ZIMBABWE UNIV OF	1
BENELUX	CATHOLIQUE UNIV OF LOUVAIN	77
	DELFT UNIV OF TECHNOLOGY	96
	EINDHOVEN UNIV OF TECHNOLOGY (C,COM)	109
	GHENT UNIV OF	33
	KATHOLIEKE UNIV TE LEUVEN	96
	LIEGE UNIV AV SART TILMAN	113
	TWENTE UNIV OF TECHNOLOGY	41
CENTRAL & SOUTH ITALY	FLORENCE UNIV OF	40
	PARMA UNIV DEGLI STUDI DI	15
	ROME LA SAPIENZA UNIV OF	27
DENMARK	*DENMARK SECTION STUDENT BRANCH	13
EGYPT	ALEXANDRIA UNIV	34
	CAIRO UNIV OF	18
	MENOUFIA UNIV	10
FINLAND	HELSINKI UNIV OF TECHNOLOGY	50
	OULU UNIV OF	35
	TAMPERE UNIV OF TECHNOLOGY	31
FRANCE	ECOLE NATIONAL SUPERIORE TELECOMUNICACION	7
	NATIONAL POLYTECHNIC DE GRENOBLE-ENSIEG	3
GERMANY	FACHHOCHSCHULE FUR TECHNIK ESSLINGEN	97
	FACHHOCHSCHULE FURTWANGEN	18
	HANNOVER UNIVERSITAT-INSTITUT FUR TECHNIK	20
	KAISERSLAUTERN UNIV	28
	KARLSRUHE UNIV OF	35
	MUNICH TECHNICAL UNIV OF	61
	PASSAU UNIV OF	27
	RUHR UNIV BOCHUM	32
	STUTTGART UNIV OF	34
GREECE	ARISTOTELIAN UNIV OF THESSALONIKA	36
	ATHENS NATIONAL TECHNICAL UNIV	87
HUNGARY	BUDAPEST TECHNICAL UNIV OF	16
ISRAEL	BEN GURION UNIV OF THE NEGEV	30
	ISRAEL INST OF TECHNOLOGY	18
	TEL-AVIV UNIV	34
KUWAIT	KUWAIT UNIV	44
NORTH ITALY	BOLOGNA UNIV OF	18
	GENOVA UNIV OF	65
	PADOVA UNIV OF	24
	PAVIA UNIV DEGLI STUDI DI	24
	POLITECNICO DI MILANO	52
	POLITECNICO DI TORINO	38
	TRIESTE UNIV OF	17
POLAND	WARSAW UNIV OF TECHNOLOGY	15
PORTUGAL	AVEIRO UNIV DE	80
	*PORTUGAL SECTION STUDENT BRANCH	9
SOUTH AFRICA	PRETORIA UNIV OF	35

* IEEE LESS THAN FOUR YEAR STUDENT BRANCH.

SECTION BREGION 8 (cont'd)

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
SPAIN	ESCUELA TECNICA SUPERIOR DE INGENIEROS DE TELECOMUNICACION-VIGO	26
	ESCUELA TECNICA SUPERIOR DE INGENIEROS DE TELECOMUNICACION-MADRID (C,EMB)	99
	ESCUELA TECNICA SUPERIOR DE INGENIEROS DE TELECOMUNICACION-BARCELONA	260
SWEDEN	CHALMERS UNIV OF TECHNOLOGY	21
	LINKOPING UNIV	39
	LUND INST OF TECHNOLOGY	21
	ROYAL INST OF TECHNOLOGY	32
	UPPSALA UNIV OF	7
SWITZERLAND	ECOLE POLYTECHNIC FEDERAL LAUSANNE-EPFL	17
	SWISS FEDERAL INST OF TECHNOLOGY-ETHZ	141
TURKEY	BILKENT UNIV	79
	HACETTEPE UNIV	17
	MIDDLE EAST TECHNICAL UNIV	192
UKRI	UKRI SECTION STUDENT BRANCH	224
WESTERN SAUDI ARABIA	KING ABDULAZIZ UNIV	22
YUGOSLAV	LJUBLJANA UNIV OF	56

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SECTION BREGION 9

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
ARGENTINA	BUENOS AIRES INST TECNOLOGICO DE	64
	BUENOS AIRES UNIV DE (C,CS)	118
	DEL SUR UNIV DE	44
	NACIONAL TECNOLOGICO UNIV	18
	TUCUMAN NACIONAL UNIV DE	41
BAHIA	BAHIA FEDERAL UNIV DA	12
BRASILIA	BRASILIA UNIV DE	3
	FEDERAL DE JUIZ DE FORA UNIV	4
CHILE	ANTOFAGASTA UNIV DE	35
	CHILE CATOLICA UNIV DE	28
	CHILE UNIV DE	30
	CHILE UNIVERSIDAD AUSTRAL DE	21
	CONCEPCION UNIV DE (C)	32
	MAGALLANES UNIV DE	14
	SANTA MARIA UNIV TECNICO FEDERICO (C)	65
	SANTIAGO UNIV DE	18
	TARAPACA UNIV DE	24
VALPARAISO UNIV CATOLICA DE	12	
COLOMBIA	CAUCA UNIVERSIDAD DEL	17
	COLOMBIA UNIV AUTONOMA DE	13
	COLOMBIA UNIV NACIONAL DE	24
	COLOMBIA UNIV PILOTO DE	0
	DISTRITAL UNIV FRANCISCO JOSE CALDAS (C)	50
	ESCUELA COLOMBIANA DE INGENIERIA	8
	LOS ANDES UNIV DE (C,PE)	50
	PONTIFICIA UNIV JAVERIANA	140
SANTO TOMAS DE AQUINO UNIV	28	
COSTA RICA	COSTA RICA UNIV DE	34
ECUADOR	ESCUELA POLITECNICO NACIONAL-ECUADOR	6
EL SALVADOR	CENTROAMERICANA UNIV JOSE SIMEON CANAS (C)	28
	EL SALVADOR UNIV EVANGELICA DE	16
	EL SALVADOR UNIV POLITECNICA DE	2
	EL SALVADOR UNIV DE	23
GUADALAJARA	INST TECNOLOGICO Y DE ESTUDIOS SUPERIORES DE OCCIDENTE-ITESO	35
GUATEMALA	GUATEMALA UNIV DEL VALLE DE	27
	SAN CARLOS UNIV DE GUATEMALA (C)	88
HONDURAS	HONDURAS UNIV NACIONAL AUTONOMA	19
MEXICO	CENTRO NACIONAL DE INVESTIGACION Y DESARROLLO	9
	ESCUELA SUPERIORE ING MECANICA Y ELECTRICA	66
	GUANAJUATO UNIV DE	72
	GUTIERREZ INST TECNOLOGICO DE TUXTLA	12
	HERMOSILLO INST TECNOLOGICO DE	12
	IBEROAMERICANA UNIV	93
	INST TECNOLOGICO Y DE ESTUDIOS SUPERIORES DE MONTERREY-MEXICO CITY	93
	INST TECNOLOGICO REGIONAL CIUDAD JUAREZ	0
	LA SALLE UNIV DE (C)	120
	LAS AMERICAS UNIV DE-PUEBLA	32
	MADERO INST TECNOLOGICO DE CIUDAD	32
	METROPOLITANA UNIV AUTONOMA	14
	MEXICO NACIONAL AUTONOMA UNIV DE	84
	MORELIA INST TECNOLOGICO DE	15
	SONORA INST TECNOLOGICO DE	28
VERACRUZANA UNIVERSIDAD	35	
ZACATECAS UNIV AUTONOMA DE	33	

SECTION B

REGION 9 (cont'd)

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
MONTERREY	INST TECNOLOGICO Y DE ESTUDIOS SUPERIORES DE MONTERREY (C)	218
	NUEVO LEON UNIV AUTONOMOUS DE	87
MORELOS	INST TECNOLOGICO Y DE ESTUDIOS DE MONTERREY-MORELOS	25
PANAMA	PANAMA UNIV TECNOLOGICA OF	150
	SANTA MARIA LA ANTIGUA UNIV	40
PERU	LIMA UNIV NACIONAL DE ING	49
	SAN MARCOS UNIV NACIONAL MAYOR DE	10
PUERTO RICO & CARIBBEAN	PUERTO RICO UNIV POLITECNICA DE	6
RIO DE JANEIRO	FEDERAL FLUMINENSE UNIV-ESCOLA ENG	6
	RIO DE JANEIRO FEDERAL UNIV DE	18
SOUTH BRAZIL	ARMANDO ALVARES PENTEADO FOUNDATION ENG	0
	ESCOLA POLITECNICO UNIV DE SAO PAULO	88
	ESTADUAL DE CAMPINAS UNIV	10
	ESTADUAL PAULISTA JULIO DE MESQUITA	17
	MACKENZIE UNIV	3
SAO CARLOS ESCOLA DE ING	27	
URUGUAY	REPUBLICA UNIV DE LA-FACULIDAD DE ING	77
VENEZUELAN	CARABOBO UNIV DE	103
	IUPFAN-INST UNIV POLITECNICO FUERZAS ARMADAS	77
	SIMON BOLIVAR UNIV	125
	VENEZUELA UNIV CENTRAL DE (C)	53
WESTERN PUERTO RICO	INTER AMERICAN UNIV	20
	PUERTO RICO UNIV OF	171

() ALSO HAS STUDENT BRANCH CHAPTER OF THE INDICATED SOCIETY -
CAS-CIRCUITS AND SYSTEMS, COM-COMMUNICATIONS, C-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, MTT-MICROWAVE, THEORY AND TECHNIQUES,
PEL-POWER ELECTRONICS, PE-POWER ENGINEERING.

SECTION BREGION 10

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
	MORATUWA UNIV OF-SRI LANKA	2
AUSTRALIAN CAPITAL TERR	JAMES COOK UNIV OF NORTH QUEENSLAND SYDNEY UNIV OF TECH	68 75
BANGALORE	BANGALORE INST OF TECHNOLOGY *GOGTE INST OF TECHNOLOGY INDIAN INST OF SCIENCE-BANGALORE (C) KARNATAKA REGIONAL ENGRG COLLEGE KLE SOCIETY'S COLLEGE OF ENGRG MANIPAL INST OF TECHNOLOGY *NMAM INST OF TECHNOLOGY SIR M VISVESVARAYA INST OF TECHNOLOGY SRI JAYACHAMARAJENDRA COLLEGE OF ENGRG UNIV VISVESVARAYA COLLEGE OF ENGRG	13 3 49 129 31 83 27 37 20 14
BEIJING	NANJING INST OF TECHNOLOGY TSINGHUA UNIV-QING HUA	31 7
BOMBAY	INDIAN INST OF TECHNOLOGY-BOMBAY (C) JAWAHARLAL NEHRU ENGRG COLLEGE PUNE INSTITUTE OF COMPUTER TECHNOLOGY RAMRAO ADIK INST OF TECHNOLOGY THADOMAL SHAHANI ENGRG COLLEGE VES INST OF TECHNOLOGY VICTORIA JUBILEE TECHNICAL INST VISWESARAYYA REGIONAL ENGRG COLLEGE WALCHAND COLLEGE OF ENGRG WALCHAND INST OF TECHNOLOGY	22 9 15 17 68 1 61 103 17 48
CALCUTTA	BIRLA INST OF TECHNOLOGY-MESRA JADAVPUR UNIV	2 16
DAEJEON	CHUNGNAM NATIONAL UNIV	26
DELHI	BANARUS HINDU UNIV (C) BIRLA INST OF TECHNOLOGY AND SCIENCE DELHI COLLEGE OF ENGRG (PE) *DELHI INST OF TECHNOLOGY INDIAN INST OF TECHNOLOGY-DELHI INDIAN INST OF TECHNOLOGY-KANPUR JAMIA MILLIA ISLAMIA-FACULTY OF ENGRG KAMLA NEHRU INST OF TECHNOLOGY KURUKSHETRA REGIONAL ENGRG COLLEGE MADAN MOHAN MALAVIYA ENGRG COLLEGE/UNIV GORAK ROORKEE UNIV OF	30 26 70 66 15 7 20 19 5 18 32
GUJARAT	M S UNIV OF BARODA GUJARAT UNIV	27 10
HONG KONG	CHINESE UNIV OF HONG KONG HONG KONG CITY POLYTECHNIC OF HONG KONG POLYTECHNIC (C) HONG KONG UNIV OF	33 17 39 78
HYDERABAD	ANDHRA UNIV GANDHI INST OF TECHNOLOGY AND MANAGEMENT KSRM COLLEGE OF ENGRG-CUDDAPAH OSMANIA UNIV R V R & J C O P COLLEGE OF ENGRG REGIONAL ENGRG COLLEGE-WARANGAL SRI VENKATESWARA UNIV	14 6 2 29 9 24 14

*LESS THAN FOUR YEAR STUDENT BRANCH.

SECTION BREGION 10 (cont'd)

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
KARACHI	NED UNIV OF ENGRG AND TECHNOLOGY	3
KERALA	CALICUT REGIONAL ENGRG COLLEGE (C)	1
	COCHIN UNIV OF (C)	35
	GOVERNMENT COLLEGE OF ENGRG-CANNANORE	6
	MAR ATHANASIOUS COLLEGE OF ENGRG	46
	MODEL ENGRG COLLEGE	112
	N S S COLLEGE OF ENGRG	42
	T K M COLLEGE OF ENGRG	37
	TRICHUR GOVERNMENT ENGRG COLLEGE-UNIV CALICUT	3
TRIVANDRUM COLLEGE OF ENGRG-UNIV KERALA (C)	48	
KHARAGPUR	INDIAN INST OF TECHNOLOGY-KHARAGPUR	31
KOREA	CHUNG-ANG UNIV	26
	HANYANG UNIV (C,CAS,COM,ED)	41
	INHA UNIV	41
	KOREA ADVANCED INST OF SCIENCE	166
	KOREA UNIV	16
	SEOUL NATIONAL UNIV (COM)	188
	SOGANG UNIV	7
	YONSEI UNIV (C,COM)	86
MADRAS	ADHIPARASAKTHI ENGRG COLLEGE	5
	ALAGAPPA CHETTIAR COLLEGE OF ENGRG AND TECH	106
	ANNA UNIV-COLLEGE OF ENGRG-MADRAS (C)	89
	ANNAMALAI UNIV	102
	ARULMIGU KALASALINGAM COLLEGE OF ENGRG	23
	COIMBATORE INST OF TECHNOLOGY	59
	CRESCENT ENGRG COLLEGE	21
	GOVERNMENT COLLEGE OF ENGRG-SALEM	10
	GOVERNMENT COLLEGE OF ENGRG-TIRUNVELI	18
	HINDUSTAN COLLEGE OF ENGRG	1
	INDIAN INST OF TECHNOLOGY-MADRAS (C)	8
	KARUNYA INST OF TECHNOLOGY	10
	KONGU ENGRG COLLEGE	20
	KUMARAGURU COLLEGE OF TECHNOLOGY	9
	MADRAS INST OF TECHNOLOGY (C,IM)	12
	MARUTHI COLLEGE OF ENGRG	0
	MEPCO SCHLENK ENGRG COLLEGE	24
	MOHAMED SATHAK ENGRG COLLEGE	126
	MOOKAMBIGAI COLLEGE OF ENGRG	0
	NATIONAL ENGRG COLLEGE	25
	PDA COLLEGE OF ENGRG	48
	PONDICHERRY ENG COLLEGE	15
	PSG COLLEGE OF TECHNOLOGY (C)	184
	PSNA COLLEGE OF ENGRG AND TECHNOLOGY	38
	REGIONAL ENG COLLEGE-TIRUCH (C,COM,PE,EM,EMB)	23
	SATHYABAMA ENGRG COLLEGE	33
	SRI RAMASAMY MEMORIAL ENGRG COLLEGE	20
SRI VENKATESWARA COLLEGE OF ENGRG-NAZARA	17	
THIAGARAJAR COLLEGE OF ENGRG-MADURAI	62	
VINAYAKA MISSION'S KIRUPANANDA VARIYAR ENGRG	0	
VLB JANAKAKIAMMAL COLLEGE OF ENGRG	3	
NEW SOUTH WALES	NEW SOUTH WALES UNIV OF	
NEW ZEALAND SOUTH	CANTERBURY UNIV OF	18
PAKISTAN	LAHORE UNIV OF ENGRG AND TECHNOLOGY	11
QUEENSLAND	QUEENSLAND UNIV OF	60
REPUBLIC OF PHILIPPINES	PHILIPPINES UNIV OF (C)	10
	SANTO TOMAS UNIV OF	13

SECTION B

REGION 10 (cont'd)

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
SINGAPORE	NANYANG TECHNOLOGICAL INST	502
	SINGAPORE NATIONAL UNIV OF	197
THAILAND	ASSUMPTION UNIV	18
	CHULALONGKORN UNIV	8
	KING MONGKUT'S INST OF TECHNOLOGY	22
TOKYO	OSAKA UNIV	28
	SHIZUOKA UNIV	7
	TOKYO UNIV OF	53

() ALSO HAS STUDENT BRANCH CHAPTER OF THE INDICATED SOCIETY -
CAS-CIRCUITS AND SYSTEMS, COM-COMMUNICATIONS, C-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, MTT-MICROWAVE, THEORY AND TECHNIQUES,
PEL-POWER ELECTRONICS, PE-POWER ENGINEERING.

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

BT-02 Broadcast Technology
COMM-19 Communications
CE-08 Consumer Electronics
VT-06 Vehicular Technology

Division IV - Electromagnetics and Radiation

AP-03 Antennas and Propagation
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

Division VI - Engineering and Human Environment

E-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

Division VIII - Computer *

COMP-16 Computer

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

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, 1991; 3-YEAR COMPARISON, MEMBERS AND AFFILIATES

SOCIETY CODE	F	SM	M	VOTING MEMBERS		HIGHER GRADE		1991 TOTAL MEMBERS	1991 TOTAL AFFIL.	1991 MEMBERS & AFFIL.	1990 MEMBERS & AFFIL.	1989 MEMBERS & AFFIL.
				SUBTOTAL	A	SUBTOTAL	S					
DIVISION I	941	2,583	21,937	25,461	2,096	27,557	5,685	33,242	120	33,362	31,971	32,019
CAS-04	363	999	11,009	12,371	995	13,366	3,246	16,612	7	16,619	14,919	14,781
CHMT-21	80	389	2,772	3,241	528	3,769	278	4,047	49	4,096	4,407	4,668
ED-15	455	1,081	7,639	9,175	685	9,860	1,343	11,203	6	11,209	11,060	11,078
LEO-36	256	615	4,128	4,999	385	5,384	1,625	7,009	59	7,068	7,339	7,402
DIVISION II	454	2,562	14,816	17,832	1,594	19,426	1,503	20,929	19	20,948	20,660	20,130
DEI-32	102	390	1,477	1,969	242	2,211	111	2,322	10	2,332	2,258	2,193
IA-34	221	1,696	8,170	10,087	712	10,799	479	11,278	4	11,282	11,219	10,956
IM-09	157	489	4,063	4,709	590	5,299	560	5,859	5	5,864	5,767	5,698
PEL-35	77	399	3,588	4,064	376	4,440	644	5,084	0	5,084	4,906	4,698
DIVISION III	698	2,908	28,424	32,030	3,401	35,431	5,473	40,904	370	41,274	38,895	37,166
BT-02	83	290	1,775	2,148	378	2,526	325	2,851	4	2,855	2,820	2,719
CE-08	102	380	4,004	4,486	645	5,131	820	5,951	2	5,953	5,924	5,951
COMM-19	585	2,363	23,570	26,518	2,607	29,125	4,458	33,583	361	33,944	31,716	30,095
VT-06	98	413	2,862	3,373	286	3,659	522	4,181	4	4,185	3,462	3,094
DIVISION IV	874	2,671	16,063	19,608	1,638	21,246	2,716	23,962	241	24,203	24,562	24,352
AP-03	346	1,043	5,750	7,139	528	7,667	1,289	8,956	1	8,957	9,279	8,647
EMC-27	122	460	2,912	3,494	401	3,895	221	4,116	4	4,120	4,046	3,856
MAG-33	148	482	2,592	3,222	358	3,580	343	3,923	73	3,996	3,929	3,809
MTT-17	401	1,161	7,255	8,817	601	9,418	1,428	10,846	10	10,856	11,081	11,607
NPS-05	143	379	2,055	2,577	246	2,823	291	3,114	155	3,269	3,290	3,275
DIVISIONS V & VIII	709	3,209	51,814	55,732	6,970	62,702	10,529	73,231	28,272	101,503	107,049	106,674
COMP-16	709	3,209	51,814	55,732	6,970	62,702	10,529	73,231	28,272	101,503	107,049	106,674
DIVISION VI	450	2,050	13,744	16,244	1,782	18,026	1,537	19,563	253	19,816	19,795	19,484
E-25	204	602	1,837	2,643	245	2,888	314	3,202	5	3,207	3,119	3,167
EM-14	121	828	7,356	8,305	805	9,110	689	9,799	150	9,949	9,882	9,571
PC-26	23	246	1,720	1,989	380	2,369	214	2,583	74	2,657	2,697	2,756
R-07	83	437	3,062	3,582	469	4,051	196	4,247	12	4,259	4,436	4,386
SIT-30	108	296	1,836	2,240	268	2,508	337	2,845	13	2,858	2,847	2,776
DIVISION VII	626	4,317	17,325	22,268	1,326	23,594	1,511	25,105	5	25,110	24,426	24,075
PE-31	626	4,317	17,325	22,268	1,326	23,594	1,511	25,105	5	25,110	24,426	24,075
DIVISION IX	706	2,262	18,843	21,811	1,707	23,518	4,732	28,250	118	28,368	27,706	27,546
AES-10	274	936	6,134	7,344	557	7,901	1,223	9,124	6	9,130	9,474	10,035
GRS-29	78	254	1,787	2,119	279	2,398	348	2,746	75	2,821	2,715	2,525
OE-22	88	223	1,489	1,800	197	1,997	317	2,314	15	2,329	2,247	2,237
SP-01	325	1,094	11,344	12,763	921	13,684	3,225	16,909	20	16,929	15,937	15,554
UFFC-20	99	262	1,438	1,799	168	1,967	185	2,152	4	2,156	2,207	2,155
DIVISION X	695	2,369	21,980	25,044	2,449	27,493	7,148	34,641	344	34,985	34,219	32,536
CS-23	243	785	7,583	8,611	742	9,353	2,381	11,734	25	11,759	11,431	10,884
EMB-18	139	553	5,255	5,947	628	6,575	1,773	8,348	182	8,530	7,854	7,515
IE-13	111	563	4,281	4,955	568	5,523	747	6,270	1	6,271	6,562	6,657
IT-12	261	489	4,029	4,779	402	5,181	1,427	6,608	15	6,623	6,305	5,983
RA-24	97	378	3,963	4,438	541	4,979	1,838	6,817	70	6,887	6,812	6,768
SMC-28	120	420	3,230	3,770	412	4,182	1,138	5,320	56	5,376	5,074	4,819
TOTAL SOCIETY MEMBERS	3,364	15,596	133,971	152,931	14,844	167,775	25,405	193,180	29,498	222,678	222,758	217,792
TOTAL SOCIETY MEMBERSHIPS	7,448	28,921	231,104	267,473	26,441	293,914	46,375	340,289	29,754	370,043	368,496	363,064

SECTION C

TABLE 4 - NUMBER OF IEEE SOCIETY MEMBERSHIPS HELD BY IEEE MEMBERS,
BY REGION, BY SECTION, DECEMBER 31, 1991

NUMBER OF IEEE SOCIETY MEMBERSHIPS										
REGION 01										
SECTION	0	1	2	3	4	5	6-15	16-25	26-32	ALL
BERKSHIRE	124	75	23	3	2	0	0	0	0	0
BINGHAMTON	337	314	87	38	15	4	4	0	0	0
BOSTON (CNEC)	3733	4075	1592	584	244	78	121	0	1	1
BUFFALO	546	348	115	44	26	13	5	0	0	0
CONNECTICUT	1966	1291	438	191	73	21	35	1	0	0
ITHACA	110	147	68	31	7	5	5	0	0	0
LONG ISLAND (METSAC)	2302	1058	375	149	50	23	26	0	2	0
MAINE (CNEC)	315	166	59	29	5	4	6	0	0	0
MID-HUDSON	574	610	152	42	11	5	7	0	0	0
MOHAWK VALLEY	289	220	76	46	12	7	12	1	0	0
NEW HAMPSHIRE (CNEC)	752	684	206	71	30	15	9	0	0	0
NEW JERSEY COAST (METSAC)	1200	1075	400	134	41	17	15	2	0	0
NEW YORK (METSAC)	3105	2129	761	289	136	54	54	2	0	2
NORTH JERSEY (METSAC)	2604	1810	705	235	99	41	29	1	0	0
PRINCETON (METSAC)	1267	1114	435	155	58	23	19	0	1	0
PROVIDENCE (CNEC)	732	528	187	55	25	13	17	0	0	0
ROCHESTER	668	594	200	64	28	6	9	1	0	0
SCHENECTADY	444	604	247	95	45	14	9	2	1	0
SPRINGFIELD	182	181	86	49	13	2	4	0	0	0
SYRACUSE	382	358	147	43	19	7	9	0	0	0
VERMONT	245	244	64	19	4	0	2	0	0	0
WORCESTER COUNTY (CNEC)	390	477	140	54	18	8	8	0	0	0
<u>TOTAL REGION 01</u>	<u>22267</u>	<u>18102</u>	<u>6563</u>	<u>2420</u>	<u>961</u>	<u>360</u>	<u>405</u>	<u>10</u>	<u>5</u>	<u>3</u>

NUMBER OF IEEE SOCIETY MEMBERSHIPS										
REGION 02										
SECTION	0	1	2	3	4	5	6-15	16-25	26-32	ALL
AKRON	281	248	72	31	11	4	3	1	0	0
ALLEGHENY MOUNTAIN	45	18	7	3	0	2	0	0	0	0
BALTIMORE	1881	1597	586	207	75	27	30	0	0	0
CANTON	154	66	28	5	1	1	1	0	0	0
CENTRAL PENNSYLVANIA	410	241	96	39	9	6	7	0	0	0
CINCINNATI	487	318	107	42	16	9	5	0	0	0
CLEVELAND	859	594	246	91	26	12	12	0	0	0
COLUMBUS	775	665	274	77	36	12	14	0	0	0
DAYTON	698	499	206	70	23	17	9	0	0	0
DELAWARE BAY	206	209	78	36	12	3	4	0	0	0
EASTERN SHORE	102	50	16	3	1	0	1	0	0	0
ERIE	134	56	29	16	2	2	2	0	0	0
JOHNSTOWN	129	67	18	9	3	2	0	0	0	0
LEHIGH VALLEY	797	614	207	64	17	15	9	0	0	0
LIMA	102	29	6	3	1	0	1	0	0	0
NORTH CENTRAL OHIO	42	23	15	1	2	0	0	0	0	0
NORTHERN VIRGINIA (NCAC)	2285	2271	891	322	141	62	75	0	0	0
OHIO VALLEY	84	29	11	2	1	0	0	0	0	0
PHILADELPHIA	2887	2027	728	271	112	42	41	0	0	2
PITTSBURGH	1194	1108	398	134	57	18	21	0	0	0
SHARON	158	57	26	5	2	0	0	0	0	0
SOUTHERN NEW JERSEY	129	67	24	4	6	0	0	0	0	0
SUSQUEHANNA	429	227	70	25	15	5	6	0	0	0
WASHINGTON (NCAC)	2598	2609	917	342	151	43	53	2	1	1
WEST VIRGINIA	97	52	18	5	1	0	2	0	0	0
<u>TOTAL REGION 02</u>	<u>16963</u>	<u>13741</u>	<u>5074</u>	<u>1807</u>	<u>721</u>	<u>282</u>	<u>296</u>	<u>3</u>	<u>1</u>	<u>3</u>

SECTION C

TABLE 4 - NUMBER OF IEEE SOCIETY MEMBERSHIPS HELD BY IEEE MEMBERS,
BY REGION, BY SECTION, DECEMBER 31, 1991

NUMBER OF IEEE SOCIETY MEMBERSHIPS										
REGION 03										
SECTION	0	1	2	3	4	5	6-15	16-25	26-32	ALL
ALABAMA	694	465	131	45	18	9	6	0	0	0
ATLANTA	1669	1479	600	234	100	35	22	0	0	0
BATON ROUGE	217	128	39	16	6	2	2	0	0	0
BROWARD (FC)	372	264	77	34	18	6	5	0	0	0
CANAVERAL (FC)	184	85	34	11	4	1	1	0	0	0
CENTRAL GEORGIA	163	102	32	9	3	1	1	0	0	0
CENTRAL NORTH CAROLINA (NCC)	230	87	38	13	4	0	0	0	0	0
CENTRAL SAVANNAH RIVER (SCC)	164	80	30	8	4	1	0	0	0	0
CENTRAL VIRGINIA (VC)	341	219	92	42	10	7	9	0	0	0
CHARLOTTE (NCC)	418	336	92	20	13	3	2	0	0	0
CHATTANOOGA (TC)	213	145	34	7	3	2	0	0	0	0
COASTAL SOUTH CAROLINA (SCC)	225	106	30	12	5	3	1	0	0	0
COLUMBIA (SCC)	282	185	46	11	7	1	1	0	0	0
DAYTONA (FC)	140	67	19	12	0	1	2	0	0	0
EAST TENNESSEE (TC)	487	251	91	30	10	5	4	0	0	0
EASTERN NORTH CAROLINA (NCC)	1238	1134	369	113	56	15	16	0	0	0
EVANSVILLE-OWENSBORO	240	89	29	7	5	2	0	0	0	0
FLORIDA WEST COAST (FC)	1116	842	206	63	22	15	8	0	1	0
GAINESVILLE (FC)	183	170	49	23	10	5	4	0	0	0
HAMPTON ROADS (VC)	537	280	110	28	15	4	6	0	0	0
HUNTSVILLE	737	560	181	68	30	6	10	2	0	0
JACKSONVILLE (FC)	208	109	30	6	4	0	2	0	0	0
JAMAICA	25	28	36	23	5	2	4	0	0	0
LEXINGTON	222	117	44	27	6	4	2	0	0	0
LOUISVILLE	355	123	42	14	10	2	1	0	0	0
MEMPHIS (TC)	282	164	52	20	12	6	6	1	0	0
MIAMI (FC)	527	364	100	42	16	8	8	0	0	0
MIDDLE TENNESSEE (TC)	53	31	10	3	2	0	0	0	0	0
MISSISSIPPI	261	213	45	20	6	3	4	0	0	0
MOBILE	168	66	24	10	4	2	1	0	0	0
NASHVILLE (TC)	328	214	90	30	14	3	7	0	0	0
NEW ORLEANS	438	340	109	32	19	3	5	0	0	0
NORTHWEST FLORIDA (FC)	228	121	45	16	7	5	4	0	0	0
OAK RIDGE (TC)	112	74	22	10	2	1	0	0	0	0
ORLANDO (FC)	644	465	157	37	21	5	5	0	0	0
PALM BEACH (FC)	635	383	132	40	22	2	3	0	0	0
PIEDMONT (SCC)	334	218	79	17	13	4	3	0	0	0
RICHMOND (VC)	331	252	82	36	7	5	3	0	0	0
SAVANNAH	105	57	18	4	0	0	0	0	0	0
SO BREVARD INDIAN RIVER (FC)	448	363	144	50	16	8	6	0	0	0
TALLAHASSEE AREA (FC)	208	105	32	11	3	0	3	0	0	0
TRI CITIES (TC)	128	78	26	13	3	0	1	0	0	0
VIRGINIA MOUNTAIN (VC)	332	247	93	42	13	6	4	0	0	0
WESTERN NORTH CAROLINA (NCC)	181	82	30	6	0	1	2	0	1	0
WINSTON-SALEM (NCC)	108	49	19	6	1	0	0	0	0	0
TOTAL REGION 03	16511	11337	3790	1321	549	194	174	3	2	0

SECTION C

TABLE 4 - NUMBER OF IEEE SOCIETY MEMBERSHIPS HELD BY IEEE MEMBERS,
BY REGION, BY SECTION, DECEMBER 31, 1991

NUMBER OF IEEE SOCIETY MEMBERSHIPS										
REGION 04										
SECTION	0	1	2	3	4	5	6-15	16-25	26-32	ALL
ARROWHEAD	135	101	31	6	4	2	0	0	0	0
CALUMET	272	154	55	19	7	2	7	0	0	0
CEDAR RAPIDS	238	158	51	22	4	1	4	0	0	0
CENTRAL ILLINOIS	264	428	171	62	23	6	8	0	0	0
CENTRAL INDIANA	935	848	301	113	59	22	16	0	0	0
CENTRAL IOWA	346	196	60	17	7	1	5	0	0	0
CHICAGO	2820	2478	989	370	129	49	65	2	1	0
FORT WAYNE	308	139	55	30	10	4	2	0	0	0
ILLINOIS VALLEY	158	59	30	9	0	0	3	0	0	0
IOWA-ILLINOIS	136	97	18	9	3	0	7	0	0	0
MADISON	239	343	152	47	20	10	6	0	0	0
MICHIANA	202	114	49	22	19	4	6	0	0	0
MILWAUKEE	802	697	252	89	47	18	21	0	0	0
MISSOURI SLOPE	24	39	10	2	0	0	0	0	0	0
NEBRASKA	411	272	102	40	11	4	6	1	0	0
NORTHEAST MICHIGAN	217	110	45	18	6	2	2	0	0	0
NORTHEASTERN WISCONSIN	282	287	55	27	9	4	4	0	0	0
RED RIVER VALLEY	185	117	23	13	6	3	4	0	0	0
ROCK RIVER VALLEY	160	102	44	20	13	4	5	1	0	0
SIOUXLAND	139	64	14	6	5	0	0	0	0	0
SOUTHEASTERN MICHIGAN	1654	1412	575	224	99	29	28	1	0	0
SOUTHERN MINNESOTA	162	180	51	10	6	3	3	0	0	0
TOLEDO	280	119	50	26	5	2	1	0	0	0
TWIN CITIES	1194	1322	497	170	59	33	22	2	0	0
WEST MICHIGAN	447	206	67	26	15	1	1	0	1	0
TOTAL REGION 04	12010	10042	3747	1397	566	204	226	7	2	0

NUMBER OF IEEE SOCIETY MEMBERSHIPS										
REGION 05										
SECTION	0	1	2	3	4	5	6-15	16-25	26-32	ALL
ARKANSAS	272	135	47	13	7	3	2	0	0	0
BEAUMONT	176	41	23	8	3	1	2	1	0	0
CENTRAL TEXAS	1095	1514	409	128	60	26	36	1	0	0
CORPUS CHRISTI	183	86	36	16	5	2	3	0	0	0
DALLAS	1793	2011	766	235	99	33	25	0	0	0
DENVER	1641	1595	587	198	89	33	42	0	0	0
EL PASO	397	135	57	28	14	4	7	0	0	0
FORT WORTH	739	645	203	73	21	14	10	0	0	0
GALVESTON BAY	377	281	87	30	11	5	2	0	0	0
HOUSTON	1642	1381	454	196	65	20	28	0	0	0
KANSAS CITY	931	568	215	66	22	9	13	0	0	0
LAFAYETTE	192	102	30	10	4	1	1	0	0	0
OKLAHOMA CITY	346	207	77	33	11	3	3	0	0	0
OZARK	159	67	22	10	5	3	1	0	0	0
PANHANDLE	90	45	12	2	0	0	0	0	0	0
PERMIAN BASIN	58	29	5	3	2	1	1	0	0	0
PIKES PEAK	442	387	143	54	13	5	7	0	0	0
SAINT LOUIS	1262	956	359	118	53	16	20	0	0	0
SHREVEPORT	241	94	28	11	8	4	0	0	0	0
SOUTH PLAINS	209	61	24	14	5	2	1	0	0	0
TULSA	391	215	85	32	17	4	4	0	0	0
WICHITA	168	148	50	15	8	3	3	0	0	0
TOTAL REGION 05	12804	10703	3719	1293	522	192	211	2	0	0

SECTION C

TABLE 4 - NUMBER OF IEEE SOCIETY MEMBERSHIPS HELD BY IEEE MEMBERS,
BY REGION, BY SECTION, DECEMBER 31, 1991

SECTION	NUMBER OF IEEE SOCIETY MEMBERSHIPS									
	<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>26-32</u>	<u>ALL</u>
REGION 06										
ALAMOGORDO-HOLLOMAN	24	17	7	4	2	1	1	0	0	0
ALASKA	141	100	47	19	5	5	2	0	0	0
ALBUQUERQUE	589	496	189	72	17	13	9	1	0	0
BOISE	133	152	33	15	3	1	1	0	0	0
BUENAVENTURA (LAC)	561	375	181	59	16	11	9	0	1	0
CHINA LAKE (LAC)	150	105	38	11	3	1	1	1	0	0
EASTERN MONTANA	42	29	5	3	1	2	0	0	0	0
FOOTHILL (LAC)	708	485	169	71	31	12	9	0	0	0
FORT HUACHUCA	95	54	19	5	2	1	0	0	0	0
HAWAII	417	202	66	23	8	2	3	0	0	0
IDAHO	112	66	17	8	1	1	1	1	0	0
LAS VEGAS	165	94	28	10	12	5	2	0	0	0
LOS ALAMOS	148	105	35	11	9	4	7	0	0	0
METROPOLITAN LOS ANGELES (LAC)	397	360	149	62	24	12	9	0	0	0
MONTANA	136	67	25	7	4	0	2	0	0	0
NORTHERN NEVADA	165	97	29	16	3	5	1	0	0	0
OAKLAND-EAST BAY (SFBAC)	1320	1711	658	237	98	33	36	2	0	0
ORANGE COUNTY (LAC)	2014	1518	529	206	91	37	33	0	0	1
OREGON	1069	1252	373	138	60	11	23	1	0	2
PHOENIX	1476	1350	450	154	68	19	20	0	1	0
RICHLAND	162	106	39	16	8	2	1	0	0	0
SACRAMENTO	779	681	209	73	39	12	9	0	0	0
SAN DIEGO	1440	1213	503	223	90	40	47	0	0	0
SAN FERNANDO VALLEY (LAC)	981	683	286	113	44	20	16	1	0	0
SAN FRANCISCO (SFBAC)	729	862	277	106	37	18	22	1	0	0
SAN GABRIEL VALLEY (LAC)	470	460	213	76	19	6	16	0	0	0
SANTA BARBARA (LAC)	395	351	161	51	24	7	8	0	0	0
SANTA CLARA VALLEY (SFBAC)	3610	6008	2148	804	303	114	122	4	2	1
SANTA MONICA BAY (LAC)	532	512	256	90	41	26	22	1	0	0
SEATTLE	1512	1538	572	201	84	29	34	0	0	0
SOUTH BAY HARBOR (LAC)	1013	887	415	144	60	23	29	0	0	0
SPOKANE	284	169	60	27	10	4	3	0	0	0
TUCSON	356	320	103	51	15	6	9	0	0	0
UTAH	571	434	168	71	20	7	13	0	0	0
VANDENBERG	73	51	19	5	2	1	0	0	0	0
WENATCHEE	<u>52</u>	<u>39</u>	<u>8</u>	<u>2</u>	<u>2</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>
<u>TOTAL REGION 06</u>	22821	22949	8484	3184	1256	492	520	13	4	4

SECTION C

TABLE 4 - NUMBER OF IEEE SOCIETY MEMBERSHIPS HELD BY IEEE MEMBERS,
BY REGION, BY SECTION, DECEMBER 31, 1991

NUMBER OF IEEE SOCIETY MEMBERSHIPS										
REGION 07										
SECTION	0	1	2	3	4	5	6-15	16-25	26-32	ALL
CANADIAN ATLANTIC (ECC)	128	84	48	18	8	0	6	0	0	0
HAMILTON (CCC)	508	225	114	35	31	6	2	0	0	0
KINGSTON (CCC)	128	148	63	28	17	3	1	0	0	0
KITCHENER-WATERLOO (CCC)	176	209	100	36	14	9	4	0	0	0
LONDON (CCC)	179	97	33	14	10	4	5	0	0	0
MONTREAL (ECC)	1029	963	431	172	84	31	35	2	0	1
N SASKATCHEWAN (WCC)	127	77	37	16	6	4	4	0	0	0
NEW BRUNSWICK (ECC)	113	84	38	18	5	5	1	0	0	0
NEWFOUNDLAND-LABRADOR (ECC)	91	31	17	12	6	1	1	0	0	0
NORTHERN CANADA (WCC)	263	235	142	50	23	8	2	0	0	0
OTTAWA (ECC)	830	859	395	144	51	30	26	1	0	0
PETERBOROUGH (CCC)	45	30	18	5	6	1	1	0	0	0
QUEBEC (ECC)	208	185	43	24	14	4	4	0	0	0
S SASKATCHEWAN(WCC)	101	42	20	14	5	3	3	0	0	0
SAINT MAURICE (ECC)	38	9	6	7	2	1	1	0	0	0
SOUTHERN ALBERTA (WCC)	358	286	146	57	31	12	10	0	0	0
TORONTO (CCC)	1593	1218	526	230	106	40	65	3	0	0
VANCOUVER (WCC)	641	549	208	77	43	13	26	1	0	0
VICTORIA (WCC)	123	127	57	20	6	3	4	0	0	0
WINNIPEG (WCC)	328	221	90	45	17	6	12	0	0	0
TOTAL REGION 07	7007	5679	2532	1022	485	184	213	7	0	1

NUMBER OF IEEE SOCIETY MEMBERSHIPS										
REGION 08										
SECTION	0	1	2	3	4	5	6-15	16-25	26-32	ALL
AUSTRIA	21	175	65	41	26	19	22	0	0	0
BENELUX	611	902	405	184	72	36	73	4	0	0
CENTRAL & SOUTH ITALY	119	297	163	101	47	30	57	5	3	2
DENMARK	46	184	92	33	31	21	25	0	0	0
EGYPT	62	137	80	31	13	10	10	0	0	1
GERMANY	368	1222	556	288	126	56	104	6	1	0
FINLAND	53	165	100	56	28	14	29	1	0	0
FRANCE	228	592	278	130	80	35	74	8	1	3
GREECE	134	257	177	102	68	26	30	2	0	0
HUNGARY	59	35	8	2	1	0	0	0	0	0
IRAN	48	123	85	81	68	44	62	3	1	0
ISRAEL	216	347	130	87	31	16	34	4	0	1
KENYA	34	34	17	9	6	1	3	0	0	0
KUWAIT	215	7	4	4	1	0	1	0	0	0
MOSCOW	6	19	4	4	2	0	0	0	0	0
NIGERIA	30	37	20	8	9	1	3	0	0	0
NORTH ITALY	301	468	242	138	58	30	50	6	1	2
NORWAY	33	161	72	39	32	18	28	0	0	0
POLAND	18	91	35	15	5	3	4	0	0	0
PORTUGAL	99	151	99	44	25	9	13	1	0	0
ROMANIA	23	158	13	6	3	1	1	0	0	0
SAUDI ARABIA	150	191	108	54	32	7	19	0	0	0
SOUTH AFRICA	75	158	112	55	33	16	26	0	0	0
SPAIN	328	607	343	196	114	75	117	7	2	1
SWEDEN	60	340	219	110	52	22	64	2	0	0
SWITZERLAND	300	732	375	151	73	29	41	1	0	0
TURKEY	266	256	139	105	49	20	25	1	0	0
UKRAINE	1	55	1	0	0	0	0	0	0	0
UNITED ARAB EMIRATES	53	56	18	13	6	2	2	0	0	0
UNITED KINGDOM & REP IRELAND	908	1644	782	350	159	57	62	1	0	0
WESTERN SAUDI ARABIA	59	58	32	18	8	6	7	0	0	0
YUGOSLAV	35	220	156	83	49	26	21	0	0	0
COUNTRIES OUTSIDE SECTION	145	204	97	52	28	7	16	2	0	0
TOTAL REGION 08	5104	10083	5027	2590	1335	637	1023	54	9	10

SECTION C

TABLE 4 - NUMBER OF IEEE SOCIETY MEMBERSHIPS HELD BY IEEE MEMBERS,
BY REGION, BY SECTION, DECEMBER 31, 1991

NUMBER OF IEEE SOCIETY MEMBERSHIPS										
REGION 09										
SECTION	0	1	2	3	4	5	6-15	16-25	26-32	ALL
ARGENTINA	167	299	144	77	51	33	45	0	0	0
BAHIA (BC)	19	45	25	12	6	1	2	0	0	0
BRASILIA (BC)	7	23	12	6	4	0	1	0	0	0
CHILE	223	244	58	25	10	4	5	0	0	0
COLOMBIA	201	178	76	46	21	4	8	0	0	0
COSTA RICA (CAPC)	57	47	15	4	7	1	4	0	0	0
ECUADOR	18	19	11	8	1	1	6	0	0	0
EL SALVADOR (CAPC)	98	72	13	7	4	1	1	0	0	0
GUADALAJARA (MC)	41	26	22	15	5	0	3	0	0	0
GUATEMALA (CAPC)	147	93	18	4	0	1	0	0	0	0
HONDURAS (CAPC)	28	8	3	0	1	0	0	0	0	0
MEXICO (MC)	855	531	241	96	56	22	34	0	0	0
MONTERREY (MC)	271	171	41	19	7	8	5	0	0	0
MORELOS (MC)	47	76	15	3	1	3	4	0	0	0
PANAMA (CAPC)	146	113	42	8	7	1	1	0	0	0
PERU	145	86	47	19	9	7	7	1	0	0
PUERTO RICO & CARIBBEAN (CC)	319	195	79	27	11	3	10	0	0	0
RIO DE JANEIRO (BC)	45	115	69	31	9	5	12	0	0	0
SOUTH BRAZIL (BC)	107	210	101	60	32	10	17	0	0	0
URUGUAY	58	94	36	22	16	6	4	0	0	0
VENEZUELAN	270	197	91	42	21	10	9	0	0	0
WESTERN PUERTO RICO (CC)	178	59	13	10	4	1	1	0	0	0
COUNTRIES OUTSIDE SECTION	<u>21</u>	<u>35</u>	<u>13</u>	<u>4</u>	<u>2</u>	<u>0</u>	<u>4</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL REGION 09	3468	2936	1185	545	285	122	183	1	0	0

NUMBER OF IEEE SOCIETY MEMBERSHIPS										
REGION 10										
SECTION	0	1	2	3	4	5	6-15	16-25	26-32	ALL
AUST CAPITAL TERR(ACT) (AUSC)	26	74	38	21	9	3	5	0	0	0
BANGALORE (IC)	486	304	48	11	5	1	13	0	0	0
BEIJING	137	356	82	21	9	4	4	6	0	0
BOMBAY (IC)	472	441	81	28	10	7	10	1	0	0
CALCUTTA (IC)	82	130	41	12	4	2	0	0	0	0
CHANGWON	3	16	10	6	5	2	0	1	0	1
DAEJEON	10	89	69	34	16	16	13	3	0	0
DELHI (IC)	439	290	77	23	10	2	6	0	0	0
GUJARAT (IC)	102	49	13	5	6	5	1	0	0	0
HONG KONG	674	648	263	119	64	14	29	1	0	0
HYDERABAD (IC)	182	115	19	1	0	1	4	1	0	0
INDONESIA	38	99	51	33	15	4	16	2	0	0
KARACHI	44	43	9	2	4	1	1	0	0	0
KERALA (IC)	477	95	33	5	2	0	1	0	0	0
KHARAGPUR (IC)	17	63	13	2	1	0	0	0	0	0
KOREA	112	588	458	345	165	99	124	12	1	5
MADRAS (IC)	1425	173	50	17	3	0	3	0	0	0
MALAYSIA	148	122	73	28	13	6	3	0	0	0
NEW SOUTH WALES (AUSC)	299	547	308	152	84	29	51	0	0	0
NEW ZEALAND NORTH (NZC)	43	80	57	17	10	4	1	0	0	0
NEW ZEALAND SOUTH (NZC)	60	90	36	18	7	2	2	1	0	0
PAKISTAN	66	53	18	5	1	0	1	0	0	0
QUEENSLAND (AUSC)	247	170	118	65	34	13	8	0	0	0
REPUBLIC OF THE PHILIPPINES	108	46	18	5	6	2	3	1	0	0
SINGAPORE	1228	642	247	103	44	19	24	0	0	0
SOUTH AUSTRALIA (AUSC)	162	110	88	32	24	6	10	0	0	0
TAIPEI	126	513	304	143	88	36	52	2	0	0
THAILAND	119	84	40	19	11	7	14	1	0	1
TOKYO	516	3374	1687	679	319	155	284	11	6	5
VICTORIAN (AUSC)	189	383	269	99	45	42	25	1	1	0
WESTERN AUSTRALIA (AUSC)	104	116	65	37	19	9	6	0	0	0
COUNTRIES OUTSIDE SECTION	<u>104</u>	<u>129</u>	<u>35</u>	<u>14</u>	<u>6</u>	<u>4</u>	<u>2</u>	<u>0</u>	<u>0</u>	<u>0</u>
TOTAL REGION 10	8245	10032	4718	2101	1039	495	716	44	8	12

SECTION C

Table 5 - IEEE CHAPTERS - as of 12/31/91

<u>Code</u>	<u>Society Name</u>	<u>No of Chapters</u>	<u>Section/Council Location</u>		
AES-10	Aerospace & Electronic Systems	33	Atlanta	India Council	Rochester
			Baltimore	Indonesia	Santa Clara Valley/
			Binghamton	Los Angeles Council	San Francisco
			Central New	Long Island	Seattle
			England Council	Mohawk Valley	South Africa
			Central & South	New Jersey Coast	Southeastern Michigan
			Italy	New South Wales	Spain
			Dallas	Orange County	Syracuse
			Dayton	Orlando	Toronto
			Denver	Ottawa	Vancouver
			Fort Worth	Philadelphia	Washington/Northern
			Huntsville	Poland	Virginia
					Wichita
AP-03	Antennas & Propagation	58	Atlanta	Hungary	Princeton
			Albuquerque	Huntsville	Rio de Janeiro
			Baltimore	Indonesia	Saint Louis
			Beijing	Israel	San Diego
			Benelux	Kitchener-Waterloo	South Africa
			Buffalo	Long Island/New	South Brevard-Indian
			Central New	York	River
			England Council	Los Angeles Council	Southeastern Michigan
			Central & South	Milwaukee	Seattle
			Italy	Montreal	Spain
			Chicago	New Jersey Coast	Spokane
			Columbus	New South Wales	Springfield
			Dallas	North Italy	Sweden
			Dayton	North Jersey Coast	Switzerland
			Denver	Oakland-East Bay/	Syracuse
			Egypt	Santa Clara	Tokyo
			Finland	Valley/	Tucson
			Florida West Coast	San Francisco	United Kingdom & the
			Fort Worth	Orlando	Republic of Ireland
			Germany	Ottawa	Vancouver
			Houston	Philadelphia	Washington/Northern
				Phoenix	Virginia
				Poland	Winnipeg
BT-02	Broadcast Technology	5	Indonesia	Ottawa	Tokyo
			New York	Philadelphia	
CAS-04	Circuits & Systems	38	Beijing	Korea	Singapore
			Buenaventura	Lehigh Valley	Southeastern Michigan
			Central New	Los Angeles Council	Spokane
			England Council	Montreal	Switzerland
			Dallas/Fort Worth	New Jersey Coast	Syracuse
			Delhi	North Italy	Taipei
			Germany	Oregon	Tokyo
			Hamilton	Ottawa	Toronto
			Finland	Philadelphia	Turkey
			Hong Kong	Pikes Peak	Twin Cities
			Houston	Poland	United Kingdom & the
			Israel	Princeton	Republic of Ireland
			Kitchener-Waterloo	Rio de Janeiro	Yugoslav
				Seattle	

SECTION C

Table 5 - IEEE CHAPTERS - as of 12/31/91

<u>Code</u>	<u>Society Name</u>	<u>No of Chapters</u>	<u>Section/Council Location</u>					
COMM-19	Communications	85	Alabama	Indonesia	Puerto Rico &			
			Argentina	Israel	Caribbean			
			Atlanta	Kansas City	Rochester			
			Baltimore	Kingston	Sacramento			
			Broward	Kitchener-Waterloo	Saint Louis			
			Central Indiana	Long Island	San Diego			
			Central New England Council	Los Angeles Council	Santa Clara Valley			
			Central Texas	Maine	San Francisco			
			Charlotte	Mexico	Seattle			
			Chicago	Miami	Singapore			
			Chile	Milwaukee	South Africa			
			Columbus	Mohawk Valley	Southeastern Michigan			
			Dallas	Montreal	Spain			
			Dayton	New Brunswick	Sweden			
			Denver	New Hampshire	Switzerland			
			Eastern North Carolina/	New Jersey Coast	Syracuse			
			Central North Carolina/	New Orleans	Taipei			
			Winston-Salem	New South Wales	Tokyo			
			El Salvador	New York	Toronto			
			France	North Jersey	Tucson			
			Galveston Bay	Norway	Twin Cities			
			Guatemala	Oakland East Bay	United Kingdom & the			
			Greece	Oregon	Republic of Ireland			
			Hamilton	Orlando	Uruguay			
			Hong Kong	Ottawa	Vancouver			
			Houston	Palm Beach	Venezuela			
			Hungary	Peru	Victorian			
			India Council	Philadelphia	Winnipeg			
				Pittsburgh	Washington/Northern			
				Phoenix	Virginia			
				Princeton	Yugoslav			
			CHMT-21	Components, Hybrids & Manufacturing Technology	12	Beijing	North Italy/	San Diego
						Central New England Council	Central & South Italy	Santa Clara Valley/ San Francisco/
Chicago	Oregon	Oakland-East Bay						
Los Angeles Council	Philadelphia	Toronto						
	Phoenix	Tokyo						
CE-08	Consumer Electronics	7	Chicago	Ottawa	Princeton			
			Korea	Philadelphia	Tokyo			
			New York					
CS-23	Control Systems	37	Argentina	Kitchener-Waterloo	Schenectady			
			Berkshire	Los Angeles Council	Singapore			
			Buffalo	Mexico	South Africa			
			Central New England Council	Milwaukee	Southeastern Michigan			
			Chile	North Jersey	Spokane			
			Cleveland	Oregon	Taipei			
			Columbus	Orlando	Tokyo			
			Dayton	Philadelphia	Toledo			
			Delhi	Pittsburgh	United Kingdom & the			
			Fort Worth	Rochester	Republic of Ireland			
			Hamilton	San Diego	Vancouver			
			Huntsville	Santa Clara Valley/ San Francisco	Wichita			
			Israel	South Brazil				

SECTION C

Table 5 - IEEE CHAPTERS - as of 12/31/91

<u>Code</u>	<u>Society Name</u>	<u>No of Chapters</u>	<u>Section/Council Location</u>		
COMP-16	Computer	137	Akron	Hampton Roads	Princeton
			Alabama	Hong Kong	Puerto Rico & Caribbean
			Argentina	Houston	Queensland
			Arkansas	Huntsville	Quebec
			Atlanta	Indian Council	Richland
			Baltimore	Indonesia	Rio de Janeiro
			Binghamton	Israel	Rochester
			Beijing	Kansas City	Sacramento
			Berkshire	Kharagpur	Saint Louis
			Broward	Kingston	San Diego
			Buffalo	Kitchener-Waterloo	San Francisco
			Calcutta	Korea	Santa Clara Valley/ Oakland-East Bay/ San Francisco
			Calumet	Long Island	
			Canadian	Los Angeles Council	
			Atlantic	Louisville	Schenectady
			Cedar Rapids	Maine	Seattle
			Central New	Memphis	Singapore
			England Council	Mexico	South Africa
			Central Texas	Miami	South Brazil
			Charlotte	Mid-Hudson	South Brevard-Indian River
			Chicago	Milwaukee	
			Chile	Mohawk Valley	South Saskatchewan
			China Lake	Montreal	Southeastern Michigan
			Cleveland	Moscow	Southern Alberta
			Columbus	Nashville	Southern Minnesota
			Connecticut	Nebraska	Southern New Jersey
			Corpus Christi	New Brunswick	Spain
			Dallas	New Hampshire	Spokane
			Dayton	New Jersey Coast	Switzerland
			Delhi	New Orleans	Syracuse
			Denver	New South Wales	Taipei
			Eastern No	New York	Tokyo
			Carolina	New Zealand North	Toledo
			Eastern Shore	North Italy	Toronto
			East Tennessee/ Oak Ridge	North Jersey	Tri Cities
			Egypt	Northern Canada	Tucson
			El Salvador	Northern Virginia	Turkey
			Finland	Oklahoma City	Twin Cities
			Florida West	Orange County	United Kingdom & the Republic of Ireland
			Coast	Oregon	
			Fort Worth	Orlando	Uruguay
			France	Ottawa	Vancouver
			Galveston Bay	Palm Beach	Venezuela
			Germany	Panama	Victorian
			Guatemala	Peru	Washington
			Gujarat	Philadelphia	Western Puerto Rico
			Hamilton	Phoenix	Wichita
				Pikes Peak	Winnipeg
				Pittsburgh	Worcester County
DEI-32	Dielectrics & Electrical Insulation	4	Montreal/Ottawa Tokyo	Toronto/Kingston/ Hamilton/London/ Kitchener- Waterloo	Vancouver
E-25	Education	6	Central New England Council Los Angeles Council	Mexico Rochester	Tokyo Winnipeg

SECTION C

Table 5 - IEEE CHAPTERS - as of 12/31/91

<u>Code</u>	<u>Society Name</u>	<u>No of Chapters</u>	<u>Section/Council Location</u>					
EMC-27	Electromagnetic Compatibility	32	Atlanta	Israel	Santa Clara Valley			
			Albuquerque	Long Island/New	Seattle			
			Baltimore	York	Southeastern Michigan			
			Beijing	Los Angeles Council	Sweden			
			Central New	Mohawk Valley	Switzerland			
			England Council	Montreal	Tokyo			
			Central Texas	New Jersey Coast	Tucson			
			Chicago	Orange County	Twin Cities			
			Dallas/Fort Worth	Ottawa	United Kingdom & the			
			Dayton	Philadelphia	Republic of Ireland			
			Denver	Phoenix	Washington/Northern			
			France	San Diego	Virginia			
			ED-15	Electron Devices	46	Buenaventura	Milwaukee	Southeastern Michigan
						Central New	New Jersey Coast	Spokane
England Council	North Italy	Springfield						
Chicago	Oregon	Switzerland						
Cleveland	Orlando	Syracuse						
Columbus	Ottawa	Taipei						
Dallas	Philadelphia	Tokyo						
Greece	Phoenix	Toronto						
Houston	Pikes Peak	Twin Cities						
Hungary	Pittsburgh	United Kingdom & the						
India Council	Princeton	Republic of Ireland						
Israel	Rio de Janeiro	Virginia Mountain						
Kitchener-Waterloo	Rochester	Washington/Northern						
Korea	Saint Louis	Virginia						
Lehigh Valley	San Diego	Yugoslav						
Los Angeles	Santa Clara Valley/ San Francisco							
Council								
Mid-Hudson	Schenectady							
EM-14	Engineering Management	38	Argentina	Madras	San Diego			
			Atlanta	Mexico	Santa Clara Valley/ San Francisco			
			Baltimore	Miami	South Brazil			
			Buffalo	Mohawk Valley	Spokane			
			Canaveral	Montreal	Toronto			
			Central New	Nebraska	Tri-Cities			
			England Council	New Jersey Coast	Vancouver			
			Chicago	North Jersey/New	Victorian			
			Cleveland	York	Washington/Northern			
			Dayton	Oregon	Virginia			
			El Salvador	Ottawa	Winnipeg			
			Huntsville	Philadelphia				
			Indian Council	Pittsburgh				
			Israel	Puerto Rico & Caribbean				
			Los Angeles	Rochester				
			Council					
EMB-18	Engineering in Medicine & Biology	32	Atlanta	Houston	Rochester			
			Baltimore	Los Angeles Council	Santa Clara Valley			
			Central New	Memphis	South Brazil			
			England Council	Miami	Southern Alberta			
			Central Indiana	Milwaukee	Seattle			
			Chicago	Montreal	Switzerland/Germany/ Austria			
			Cleveland	New Orleans	Tokyo			
			Columbus	New York/Long	Twin Cities			
			Dallas/Fort Worth	Island/North	Washington/Northern			
			Dayton	Jersey	Virginia			
			Denver	Oregon	Winnipeg			
			Eastern North	Philadelphia				
			Carolina	Princeton				

SECTION C

Table 5 - IEEE CHAPTERS - as of 12/31/91

Code	Society Name	No of Chapters		Section/Council Location	
GRS-29	Geoscience & Remote Sensing	8	Denver Los Angeles Council Oakland East Bay	Santa Clara Valley Southeastern Michigan Springfield	Tokyo Washington/Northern Virginia
IE-13	Industrial Electronics	21	Argentina Arkansas Chicago Chile Cleveland Guadalajara India Council Israel	Kerala Los Angeles Council Mexico Milwaukee Montreal/Saint Maurice North Italy Portugal	Rochester Singapore South Africa Tokyo Toledo Vancouver
IA-34	Industry Applications	72	Akron Alabama Atlanta Bahia Baltimore Baton Rouge Buffalo Calumet Canadian Atlantic Central New England Council Chicago Chile Cincinnati Cleveland Columbus Dallas Dayton Delaware Bay Denver Eastern North Carolina El Salvador Hamilton Hong Kong	Houston India Council Israel Kerala Los Angeles Council Madras Maine Memphis Mexico Miami Middle Tennessee Milwaukee Montreal Nashville New York/Long Island New Zealand North North Jersey/Princeton Northern Canada Oakland-East Bay Oklahoma City Orange County Oregon Orlando Panama	Philadelphia Pittsburgh Portugal Rio de Janeiro Rochester Saint Louis San Francisco South Brazil Schenectady Seattle South Africa South Saskatchewan Southern Alberta Southeastern Michigan Spokane Syracuse Tokyo Toledo Toronto Tulsa Twin Cities Vancouver Virginia Mountain Washington/Northern Virginia Wichita
IT-12	Information Theory	15	Beijing Benelux Central New England Council Eastern North Carolina/Central North Carolina/Winston-Salem	Denver Hamilton Kitchener-Waterloo Los Angeles Council Montreal Philadelphia Princeton	Santa Clara Valley/San Francisco Southeastern Michigan Tokyo Washington/Northern Virginia
IM-09	Instrumentation & Measurement	19	Atlanta Central New England Council Cleveland Denver Los Angeles Council Milwaukee	Montreal New Jersey Coast New York/Long Island/North Jersey North Italy Oregon Ottawa	San Diego Santa Clara Valley South Africa Tokyo Toronto Uruguay Washington

SECTION C

Table 5 - IEEE CHAPTERS - as of 12/31/91

<u>Code</u>	<u>Society Name</u>	<u>No of Chapters</u>	<u>Section/Council Location</u>		
LEO-36	Lasers & Electro-Optics	27	Atlanta Central New England Council Central Texas Chicago Cleveland Columbus Dallas France Hampton Roads Huntsville	India Council Long Island Los Alamos Los Angeles Council Mohawk Valley New Jersey Coast Oakland East-Bay/ San Francisco/ Santa Clara Valley Oregon	Orlando Ottawa Phoenix Princeton Sacramento Springfield Tokyo Toronto Washington/Northern Virginia
MAG-33	Magnetics	15	Central Indiana Central New England Council Denver Houston Los Angeles Council	Milwaukee Philadelphia Pittsburgh Rochester San Diego	Santa Clara Valley/ San Francisco Tokyo Twin Cities United Kindgom & the Republic of Ireland Washington/Northern Virginia
MTT-17	Microwave Theory & Techniques	71	Albuquerque Atlanta Baltimore Beijing Benelux Buffalo Central New England Council Central & South Italy Chicago Columbus Cleveland Dallas Dayton Denver Egypt Finland Florida West Coast France Germany Greece Houston Hungary Huntsville	India Council Indonesia Israel Ithaca Kitchener-Waterloo Korea 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 Rio de Janeiro Saint Louis San Diego	San Fernando Valley Santa Clara Valley/ San Francisco South Brazil Schenectady Seattle South Africa South Brevard-Indian River Southeastern Michigan Spain Springfield Sweden Switzerland Syracuse Taipei Tokyo Tucson Twin Cities United Kingdom & the Republic of Ireland Venezuela Virginia Mountain Washington/Northern Virginia Winnipeg Yugoslav
NPS-05	Nuclear & Plasma Sciences	9	Central New England Council India Council Los Angeles Council	Oakland-East Bay Princeton/New Jersey Coast San Diego Santa Clara Valley	Tokyo Washington/Northern Virginia/Baltimore
OE-22	Oceanic Engineering	8	Canadian Atlantic Central New England Council	Houston/Galveston Bay New Orleans San Diego	Seattle Victoria Washington/Northern Virginia

SECTION C

Table 5 - IEEE CHAPTERS - as of 12/31/91

Code	Society Name	No of Chapters	Section/Council Location		
PC-26	Professional Communication	9	Central New England Council Chicago Los Angeles Council	Mexico/Morelos Ottawa Philadelphia	United Kingdom & the Republic of Ireland Washington/Northern Virginia Winnipeg
PEL-35	Power Electronics	8	Chile Chicago Los Angeles Council	North Italy Portugal San Diego	South Africa Tokyo
PE-31	Power Engineering	132	Akron Alabama Argentina Arkansas Atlanta Baltimore Bahia Bangalore Beijing Berkshire Binghamton Boston Broward Buffalo Calumet Canadian Atlantic Canton Central Illinois Central Indiana Central Texas Charlotte Chattanooga Chicago Chile Cincinnati Cleveland Columbus Connecticut Corpus Christi Costa Rica Dallas Dayton Delaware Bay Denver Denver-Western Area Eastern North Carolina East Tennessee Egypt El Salvador Florida West Coast Fort Worth France Greece Guatemala Hamilton	Honduras Hong Kong Houston India Council Israel Kansas City Lafayette Las Vegas Lehigh Valley London Los Angeles Council Madras Maine Memphis Mexico Monterrey Miami Mid-Hudson Middle Tennessee Milwaukee/Madison/ North Eastern Wisconsin Missouri Slope Montreal Morelos Nebraska New Hampshire New Orleans New South Wales New York/Long Island North Italy North Jersey Northern Canada Oakland-East Bay Oklahoma City Orange County Oregon Orlando Ottawa Palm Beach Panama Panhandle Peru Philadelphia Phoenix Pittsburgh	Princeton Providence Puerto Rico & Caribbean Queensland Richland Rio de Janeiro Rochester Sacramento Saint Louis San Diego San Francisco Santa Clara Valley South Brazil Schenectady Seattle Sharon Shreveport Singapore Siouxland South Africa South Saskatchewan Southern Alberta Southeastern Michigan Spokane Sweden Syracuse Tri Cities Tokyo Toledo Toronto Tucson Tulsa 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	Los Angeles Council Mohawk Valley Montreal New York/Long Island North Italy/Central & South Italy North Jersey Ottawa	Philadelphia Santa Clara Valley Switzerland Tri Cities Tokyo Twin Cities Washington/Northern Virginia

SECTION C

Table 5 - IEEE CHAPTERS - as of 12/31/91

<u>Code</u>	<u>Society Name</u>	<u>No of Chapters</u>	<u>Section/Council Location</u>		
RA-24	Robotics & Automation	5	Argentina Chile	Orlando Princeton	Tokyo
SP-01	Signal Processing	48	Atlanta Beijing Benelux Central New England Council Central & South Italy Central Indiana Central Pennsylvania Central Texas Columbus Connecticut Chicago Dallas Dayton Finland Florida West Coast	France Houston Kitchener-Waterloo Korea Long Island Los Angeles Council Milwaukee Mohawk Valley New Jersey Coast New South Wales North Jersey Northern Virginia Orlando Ottawa Philadelphia Phoenix Pittsburgh	Rochester San Diego Santa Clara Valley Singapore South Africa South Australia Southeastern Michigan Spain Switzerland Taipei Tokyo Twin Cities Turkey United Kingdom & the Republic of Ireland Washington Yugoslav
SIT-30	Social Implications of Technology	7	Central New England Council Los Angeles Council	Santa Clara Valley/ San Francisco/ Oakland-East Bay Switzerland	Washington/Baltimore/ Northern Virginia Toronto Tokyo
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 Society	9	Central New England Council Dallas Long Island	Los Angeles Council Oregon Orlando Santa Clara Valley	Tokyo Washington/Baltimore/ Northern Virginia
VT-06	Vehicular Technology	22	Cleveland Dallas Denver 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 Chapters, administered by two or more Sections and/or representing two or more Societies, are counted as one Chapter. The total of Chapters (Joint or Single) is 873.

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

SECTION D

TABLE 1 - SOCIETY AFFILIATES, DECEMBER 31, 1991; 5-YEAR COMPARISON

CODE NO.	SOCIETY	12/31/91	12/31/90	12/31/89	12/31/88	12/31/87
01	SIGNAL PROCESSING	20	12	9	7	8
02	BROADCAST TECHNOLOGY	4	2	2	2	3
03	ANTENNAS & PROPAGATION	1	3	3	3	2
04	CIRCUITS & SYSTEMS	7	3	2	5	8
05	NUCLEAR & PLASMA SCIENCES	155	149	160	170	183
06	VEHICULAR TECHNOLOGY	4	4	2	2	2
07	RELIABILITY	12	12	11	10	12
08	CONSUMER ELECTRONICS	2	3	5	5	3
09	INSTRUMENTATION & MEASUREMENT	5	5	5	2	2
10	AEROSPACE & ELECTRONIC SYSTEMS	6	10	9	7	9
12	INFORMATION THEORY	15	10	9	8	10
13	INDUSTRIAL ELECTRONICS	1	2	2	1	1
14	ENGINEERING MANAGEMENT	150	150	148	109	87
15	ELECTRON DEVICES	6	6	4	3	3
16	COMPUTER	28,272	27,157	25,115	20,712	15,495
17	MICROWAVE THEORY & TECHNIQUES	10	8	10	11	22
18	ENGINEERING IN MEDICINE & BIOLOGY	182	163	98	73	61
19	COMMUNICATIONS	361	304	271	251	211
20	ULTRASONICS, FERROELECTRICS & FREQUENCY CONTROL	4	5	5	6	7
21	COMPONENTS, HYBRIDS & MANUFACTURING TECHNOLOGY	49	42	35	30	14
22	OCEANIC ENGINEERING	15	14	12	11	15
23	CONTROL SYSTEMS	25	20	20	22	18
24	ROBOTICS AND AUTOMATION	70	87	143	278	
25	EDUCATION	5	7	9	12	8
26	PROFESSIONAL COMMUNICATION	74	87	95	68	66
27	ELECTROMAGNETIC COMPATIBILITY	4	4	4	5	4
28	SYSTEMS, MAN & CYBERNETICS	56	45	42	43	51
29	GEOSCIENCE & REMOTE SENSING	75	79	80	69	71
30	SOCIAL IMPLICATIONS OF TECHNOLOGY	13	11	11	8	4
31	POWER ENGINEERING	5	6	5	4	3
32	DIELECTRICS AND ELECTRICAL INSULATION	10	11	11	10	11
33	MAGNETICS	73	85	90	96	103
34	INDUSTRY APPLICATIONS	4	4	2	2	2
35	POWER ELECTRONICS	0	1	1	1	5
36	LASERS AND ELECTRO-OPTICS	59	68	76	85	82
	<u>TOTALS</u>	29,754	28,579	26,506	22,131	16,586

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	1,711	1,222	691	548	672	1,771	392	1,038	83	908
02	BROADCAST TECHNOLOGY	571	419	345	251	204	575	192	269	59	320
03	ANTENNAS AND PROPAGATION	746	790	519	240	500	1,113	191	585	34	478
04	CIRCUITS AND SYSTEMS	1,463	799	678	688	778	1,898	259	670	57	621
05	NUCLEAR AND PLASMA SCIENCES	367	326	298	172	154	631	76	140	3	147
06	VEHICULAR TECHNOLOGY	320	287	252	521	176	354	161	185	22	208
07	RELIABILITY	557	331	235	208	240	602	80	193	21	173
08	CONSUMER ELECTRONICS	482	262	276	281	181	393	133	133	34	230
09	INSTRUMENTATION AND MEASUREMENT	418	309	265	224	203	465	138	198	45	191
10	AEROSPACE AND ELECTRONIC SYSTEMS	1,218	1,347	736	285	692	1,813	180	280	19	219
12	INFORMATION THEORY	321	243	117	97	115	341	65	258	15	199
13	INDUSTRIAL ELECTRONICS	1,006	961	864	869	604	974	442	589	149	624
14	ENGINEERING MANAGEMENT	2,789	2,531	1,915	1,272	1,371	3,224	566	817	243	648
15	ELECTRON DEVICES	1,101	491	302	265	421	1,650	117	446	29	721
16	COMPUTER	7,793	4,873	3,546	3,296	3,680	9,251	1,939	3,437	431	3,456
17	MICROWAVE THEORY AND TECHNIQUES	711	340	221	146	230	964	99	385	15	246
18	ENGINEERING IN MEDICINE AND BIOLOGY	794	573	378	552	348	821	200	406	53	273
19	COMMUNICATIONS	3,207	2,526	1,831	1,176	1,459	2,826	1,061	1,575	246	1,604
20	ULTRASONICS FERROELECTRICS & FREQ. CONTROL	138	103	62	50	55	142	25	74	2	71
21	COMPONENTS, HYBRIDS & MANUFACT. TECHNOL.	670	314	243	279	274	749	74	156	24	175
22	OCEANIC ENGINEERING	78	70	46	10	19	81	29	26	6	21
23	CONTROL SYSTEMS	527	529	483	417	328	761	190	501	72	396
25	EDUCATION	302	223	187	160	143	232	81	85	19	67
26	PROFESSIONAL COMMUNICATION	258	175	130	120	107	235	51	72	17	47
27	ELECTROMAGNETIC COMPATIBILITY	203	234	101	105	112	334	45	116	5	67
28	SYSTEMS, MAN AND CYBERNETICS	328	322	184	123	128	348	86	167	16	183
29	GEOSCIENCE AND REMOTE SENSING	105	148	71	42	187	176	67	97	4	71
30	SOCIAL IMPLICATIONS OF TECHNOLOGY	115	119	57	43	40	116	31	32	5	17
31	POWER ENGINEERING	2,895	2,623	3,612	2,501	2,469	3,373	1,232	1,149	569	1,128
32	DIELECTRICS & ELECTRICAL INSULATION	109	85	64	62	36	74	57	88	12	89
33	MAGNETICS	221	146	71	156	96	457	18	112	8	183
34	INDUSTRY APPLICATIONS	1,003	1,112	1,217	925	894	1,182	522	198	125	255
35	POWER ELECTRONICS	234	140	154	175	101	219	102	160	29	163
36	LASERS AND ELECTRO-OPTICS	770	406	309	179	260	821	118	296	22	379
37	SOLID STATE CIRCUITS	717	335	234	261	542	1,472	124	401	16	346
39	INTERDISCIPLINARY AND NEW ACTIVITIES	424	313	177	136	163	409	90	107	26	87
	<u>TOTAL</u>	34,672	26,027	20,871	16,835	17,982	40,847	9,233	15,441	2,535	15,011

SECTION E

TABLE 2 - 1990 SECTION/CHAPTER MEETING SUMMARY

(94% of Sections Reporting)

REGION	# MEETINGS HELD	NUMBER BY CLASSIFICATION			ATTENDANCE				PERCENT		
		TECH.	PROF.	SOCIAL	MEMBERS	GUESTS	TOTAL	AVERAGE	TECH.	PROF.	SOCIAL
1	642	535	100	7	14,357	15,903	30,260	47.0	83.3	15.6	1.1
2	524	398	109	17	10,761	7,457	18,218	34.8	76.0	20.8	3.2
3	669	497	141	31	13,792	5,025	18,817	28.1	74.3	21.1	4.6
4	449	358	79	12	9,558	4,728	14,286	31.8	79.1	17.6	2.7
5	438	334	92	12	9,694	3,477	13,171	30.1	76.3	21.0	2.7
6	746	587	134	25	15,792	6,832	22,624	30.3	78.7	18.0	3.4
7	315	272	31	12	5,745	3,614	9,359	29.7	86.3	9.8	3.8
8	331	282	41	8	7,237	7,712	14,949	45.2	85.2	12.4	2.4
9	514	422	74	18	11,302	11,834	23,136	45.0	82.1	14.4	3.5
<u>10</u>	<u>785</u>	<u>669</u>	<u>104</u>	<u>12</u>	<u>17,023</u>	<u>23,325</u>	<u>40,348</u>	<u>51.4</u>	<u>85.2</u>	<u>13.2</u>	<u>1.5</u>
TOTAL	5,413	4,354	905	154	115,261	89,907	205,168	37.9	80.4	16.7	2.8

SECTION E

TABLE 3 - 1990 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	22	18	13	16	15	11	7	18	0	31	151
BT-02	7	0	0	0	0	0	4	0	0	4	15
AP-03	34	16	23	13	28	36	16	35	16	19	236
CAS-04	3	3	0	1	3	10	9	11	2	19	61
NPS-05	1	2	0	0	0	5	0	0	0	2	10
VT-06	3	26	6	2	8	3	2	2	0	6	58
R-07	22	24	1	7	11	11	2	0	0	7	85
CE-08	5	0	0	0	0	0	0	0	0	3	8
IM-09	11	3	0	0	2	10	3	0	6	8	43
AES-10	26	24	12	0	10	3	2	4	0	10	91
IT-12	9	0	5	0	2	3	4	1	0	1	25
IE-13	0	0	0	11	2	0	6	0	18	10	47
EM-14	20	21	3	2	0	23	19	1	23	2	114
ED-15	25	20	4	7	3	4	0	0	0	7	70
COMP-16	93	32	61	28	41	62	49	20	120	48	554
MTT-17	13	7	0	6	9	21	0	16	11	16	99
EMB-18	24	8	11	13	12	6	2	0	3	17	96
COM-19	12	12	22	6	14	41	9	5	53	18	192
UFFC-20	9	4	6	0	0	1	0	0	0	15	35
CHMT-21	9	0	0	4	0	17	0	0	0	14	44
OE-22	0	1	2	0	0	1	5	0	0	0	9
CS-23	12	15	9	3	0	0	0	5	8	8	60
RA-24	2	0	0	0	0	0	0	0	0	1	3
E-25	3	0	0	0	0	0	0	0	6	4	13
PC-26	0	4	0	0	0	0	0	4	0	0	8
EMC-27	11	9	0	10	14	32	3	5	0	11	95
SMC-28	2	1	0	0	0	0	0	0	0	3	6
GRS-29	0	5	0	1	0	0	0	0	0	14	20
SIT-30	9	10	0	0	0	18	2	6	0	11	56
PE-31	55	68	82	45	52	84	37	13	73	29	538
EI-32	0	0	0	0	0	0	5	0	0	5	10
MAG-33	6	11	0	14	0	14	5	3	0	13	61
IA-34	9	22	17	8	15	40	2	0	15	8	136
PEL-35										5	5
LEO-36	22	8	7	12	10	18	5	0	0	4	86
<u>TOTAL</u>	479	374	284	209	251	474	193	149	354	373	3140

Not All Reporting Complete.

SECTION E:

TABLE 4 - SOCIETY AND OTHER SPONSORED AND COSPONSORED CONFERENCES SUMMARY, BY SOCIETY, BY REGION 12/31/91

DIV.	Society	REGIONS										Total
		1	2	3	4	5	6	7	8	9	10	
I	Circuits and Systems	1			1		2				1	5
	Components, Hybrids, and Mfg. Technology	1		1	1		5				1	9
	Electron Devices	4	3	2	1	2	11		2		3	28
	Lasers and Electro-Optics			2	1		1	7		1		12
	Solid-State Circuits							1			1	2
II	Dielectrics and Electrical Insulation	1		1					1		1	4
	Industry Applications			1	2	2	1		2	1	1	10
	Instrumentation and Measurement				1			2				3
	Power Electronics	1				1						2
III	Broadcast Technology			1								1
	Communications	1	1	2		2	8	3	2		3	22
	Consumer Electronics					1						1
	Vehicular Technology				1	2						3
IV	Antennas and Propagation							1				1
	Electromagnetic Compatability			1								1
	Magnetics			2								2
	Microwave Theory and Techniques	2					2					4
	Nuclear and Plasma Sciences			1			4		1			6
V/VIII	Computer	5	5	10	2	7	26	3	8		5	71
VI	Education				1		1					2
	Engineering Management											0
	Professional Communication				1							1
	Reliability		1	1			1					3
	Social Implications of Technology											0
VII	Power Engineering	1	1			1	2				1	6
IX	Aerospace and Electronic Systems	1	4	1			4				1	11
	Geoscience and Remote Sensing								1			1
	Oceanic Engineering			1			1					2
	Signal Processing	4	1				1	2				8
	Ultrasonics, Ferroelectrics and Freq. Control			1			1					2
X	Control Systems	1	1				2		1			5
	Engineering in Medicine and Biology	1	1	1								3
	Industrial Electronics						1				1	2
	Information Theory					2			1			3
	Neural Networks			2			1				1	4
	Robotics and Automation						1				2	3
	Systems, Man, and Cybernetics				1		2					3
OTHER - Not (Co)Sponsored by a Society	1		2			1	2	1				7
Number of Conferences in Region *		21	26	28	9	18	65	12	18	1	18	216

* 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, 1991

<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>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
<u>1990</u>											
Sections	22	25	45	25	22	36	20	31	22	29	277
Subsections	6	4	6	5	6	4	0	4	7	2	44
Chapters	123	100	82	58	67	107	64	71	60	87	819*
Councils	2	1	5	0	0	2	3	0	4	3	20
Student Branches	95	63	81	58	63	65	49	60	71	102	707
Student Branch Chapters	27	16	27	22	16	18	12	4	11	26	179
<u>1989</u>											
Sections	22	25	45	25	22	36	20	28	21	28	272
Subsections	6	4	7	6	6	4	--	3	5	3	44
Chapters	120	98	80	55	62	110	59	55	45	74	758*
Councils	2	1	5	--	--	2	3	--	3	3	19
Student Branches	95	59	78	58	65	63	48	55	62	86	669
Student Branch Chapters	26	15	25	21	16	16	11	4	7	26	167

* 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 1991

REGION 1

The Syracuse Section was reactivated on March 19, 1991.

The New Jersey Coast Section was admitted to the Metropolitan Sections Advisory Council (METSAC) on July 29, 1991.

REGION 6

The Albuquerque Section was reactivated on March 19, 1991.

The Portland Section was renamed Oregon Section on July 22, 1991.

REGION 8

The Ukraine Section was formed on November 21, 1991.

The Germany (West) Section was renamed Germany Section on June 17, 1991.

REGION 9

The Ciudad Juarez Subsection was dissolved on February 3, 1991.

REGION 10

The Changwon (Korea) Section was formed on February 3, 1991.

The Daejeon (Korea) Section was formed on June 17, 1991.

The Honam Subsection of the Korea Section was formed on February 3, 1991.

The North Queensland Subsection of the Queensland Section was formed on November 21, 1991.

SECTION F

TABLE 3 - IEEE CHAPTER CHANGES IN 1991

<u>Region/Sections</u>	<u>New Chapters</u>	<u>Chapters Dissolved</u>	<u>Change in Status of Existing Chapters</u>
<u>REGION 1</u>			
Mohawk Valley	SP-01		
North Jersey			*IA-34 Jt. Princeton
Rochester	E-25		
Syracuse			****AES-10/COM-19
<u>REGION 2</u>			
Baltimore	AES-10		
Baltimore	EM-14		
Cleveland	CS-23		
Pittsburgh		UFFC-20	
Southern New Jersey	C-16		
Washington		SMC-28 Jt. Northern Virginia	
<u>REGION 3</u>			
Atlanta			*EMC-27/IM-09
Canaveral		R-07 Jt. Daytona	
Central Georgia		C-16	
Florida West Coast		R-07	
Hampton Roads	LEO-36		
Orlando	CS-23/RA-24/SMC-28		
Palm Beach	COM-19		
<u>REGION 4</u>			
Central Indiana	COM-19		
Chicago	PEL-35		
Illinois Valley		C-16	
Milwaukee			**IE-13/IA-34
Southeastern Michigan			*AP-03/MTT-17/ED-15/ EMC-27
<u>REGION 5</u>			
Denver			***EMC-27/IM-09
Denver			**EMC-27
Fort Worth	AP-03		
Panhandle	PE-31		
<u>REGION 6</u>			
Albuquerque			****AP-03/EMC-27/ MTT-17
Los Angeles Council	PEL-35		
Oakland-East Bay	NPS-05		
Oregon			ED-15/MTT-17 (see Note 1)
Phoenix		CAS-04/IT-12/CS-23	*COM-19/SP-01
San Diego	NPS-05		
San Diego	PEL-35		
San Francisco	C-16		
Santa Clara Valley	NPS-05		

SECTION F (cont'd)

TABLE 3 - IEEE CHAPTER CHANGES IN 1991

<u>Region/Sections</u>	<u>New Chapters</u>	<u>Chapters Dissolved</u>	<u>Change in Status of Existing Chapters</u>
<u>REGION 7</u>			
Kingston	COM-19		
New Brunswick	C-16/COM-19		
Ottawa	VT-06		
Southern Alberta	EMB-18		
Vancouver			**PE-31/DEI-32
<u>REGION 8</u>			
Benelux	SP-01		
France	LEO-36		
Greece	ED-15/MTT-17		
Israel		AES-10	
Poland	CAS-04		
Portugal	IE-13/IA-34/PEL-35		
South Africa	AES-10		
South Africa	IM-09/CS-23		
Switzerland	R-07		
Switzerland	EMB-18 Jt. Federal Republic of Germany/Austria		
Turkey	C-16		
Turkey	CAS-04		
United Kingdom & Republic of Ireland	EMC-27		*MTT-17/ED-15/AP-03
<u>REGION 9</u>			
Argentina	IE-13/CS-23/RA-24		
Guadalajara	IE-13		
Guatemala	EM-14		
Mexico		SMC-28	
<u>REGION 10</u>			
Beijing	AP-03		
Calcutta	C-16		
India Council			*AES-10/COM-19/ LEO-36
Korea	CE-08		
Malaysia	COM-19/PE-31		
Queensland	PE-31		
Queensland	C-16		
South Australia	SP-01		
Tokyo	AES-10		

* Existing Chapter has expanded.

** Two existing Chapters became joint.

*** Existing Joint Chapter became two single Chapters.

**** Chapter Reestablished.

Note 1: Oregon Section CAS-04/ED-15/MTT-17/IM-09/COM-19/UFC-20/CS-23/LEO-36 Chapter broke away ED-15/MTT-17.

SECTION F

TABLE 4 - Student Branch Changes in 1991

Formations

Region 2

Stark Technical College (Ohio)
Shawnee State University (Ohio)

Region 5

Pittsburg State University (Kansas)

Region 6

Embry-Riddle Aeronautical University (Arizona)

Region 8

Alexandria University (Egypt)
Hacettepe University (Turkey)
Universita Degli Studi Di Parma (Italy)

Region 9

Universidade Federal de Juiz de Fora (Brazil)
Instituto Tecnológico y de Estudios Superiores de Monterrey-Morelos (Mexico)
Instituto Tecnológico y de Estudios Superiores de Occidente (Mexico)
Universidad de Guanajuato (Mexico)
Universidad Veracruzana (Mexico)
Instituto Tecnológico de Sonora (Mexico)

Region 10

Assumption University (Thailand)
City Polytechnic of Hong Kong
Government College of Engineering-Tirunelveli (India)
Jamia Millia Islamia, Faculty of Engineering and Technology (India)
K.L.E. Society's College of Engineering and Technology (India)
Kamla Nehru Institute of Technology (India)
Model Engineering College (India)
PDA College of Engineering (India)
Sathyabama Engineering College (India)
Sir M. Visvesvaraya Institute of Technology (India)
Sogang University (Korea)
Sri Jayachamarajendra College of Engineering (India)
Walchand Institute of Technology (India)

Dissolutions

Region 1

Central New England College (Massachusetts)
Union Technical Institute (New Jersey)
Hesser College (New Hampshire)

SECTION G

TABLE 1 - IEEE TECHNICAL PERIODICAL PUBLICATIONS OUTPUT - 1991 (Dist. Data as of 11/30/91)

Member Dist.	Non-M Dist.	Total Dist.	Periodicals	Freq.	Total Pages	Edit. Pages	Adv. Pages
<u>INSTITUTE-WIDE PUBLICATIONS</u>							
312281	3489	315770	SPECTRUM	12	1212	597.00	615.00
29507	3411	32918	PROCEEDINGS	12	1864	1828.00	36.00
3071	143	3214	POTENTIALS	4	224	176.00	48.00
<u>TRANSACTIONS & JOURNALS</u>							
8224	1598	9822	AEROSPACE & ELECTRONIC SYSTEMS	6	1010		
8517	2225	10742	ANTENNAS & PROPAGATION	12	1848		
1059	1005	2064	APPLIED SUPERCONDUCTIVITY	4	206		
11230	2214	13444	AUTOMATIC CONTROL	12	1548		
3865	1718	5583	BIOMEDICAL ENGINEERING	12	1340		
2569	1201	3770	BROADCASTING	4	192		
15643	1980	17623	CIRCUITS & SYSTEMS	12	1664		
			CIRCUITS AND SYSTEMS FOR VIDEO TECHNOLOGY	4	418		
1463	1004	2467	COMMUNICATIONS	12	1976		
11019	2570	13589	COMPONENTS, HYBRIDS, & MANUFACTURING TECHNOLOGY	4	964		
3869	1292	5161	COMPUTER-AIDED DESIGN OF INTE- GRADED CIRCUITS & SYSTEMS	12	1648		
4289	1487	5776	COMPUTERS	12	1496		
10725	3023	13748	CONSUMER ELECTRONICS	4	968		
5505	1450	6955	EDUCATION	4	384		
3023	1329	4352	*ELECTRICAL INSULATION	6	1224		
2173	1327	3500	ELECTROMAGNETIC COMPATIBILITY	4	396		
3916	1477	5393	ELECTRON DEVICE LETTERS	12	788		
6755	1395	8150	ELECTRON DEVICES	12	2802		
10744	2037	12781	ENERGY CONVERSION	4	760		
2899	1602	4501	ENGINEERING MANAGEMENT	4	400		
9447	1466	10913	GEOSCIENCE & REMOTE SENSING	6	1060		
2690	1382	4072	INDUSTRIAL ELECTRONICS	4	532		
5980	1592	7572	INDUSTRY APPLICATIONS	6	1448		
10554	1756	12310	INFORMATION THEORY	6	1864		
6281	1884	8165	INSTRUMENTATION & MEASUREMENT	4	1004		
5476	1944	7420	KNOWLEDGE & DATA ENGINEERING	4	556		
6287	1261	7548	LIGHTWAVE TECHNOLOGY	12	1868		
2882	2233	5115	MAGNETICS	6	5784		
3812	1704	5516	MEDICAL IMAGING	4	664		
2454	1200	3654	MICROWAVE AND GUIDED WAVE LETTERS	12	488		
12700	2570	15270	MICROWAVE THEORY & TECHNIQUES	12	2352		
9848	2000	11848	NEURAL NETWORKS	6	640		
7064	1324	8388	NUCLEAR SCIENCE	6	1416		
2237	1563	3800	OCEANIC ENGINEERING	4	460		
2093	1138	3231	PARALLEL AND DISTRIBUTED SYSTEMS	4	528		
6882	1204	8086	PATTERN ANALYSIS & MACHINE INTELLIGENCE	6	1328		
5898	2867	8765	PHOTONICS TECHNOLOGY LETTERS	12	1248		
6726	1112	7838	PLASMA SCIENCE	6	1328		
1104	1192	2296	POWER DELIVERY	4	1998		
3923	1712	5635	POWER ELECTRONICS	4	872		
4876	1370	6246	POWER SYSTEMS	4	1624		
4452	1370	5822	PROFESSIONAL COMMUNICATION	4	270		
2499	1820	4319	QUANTUM ELECTRONICS	12	1892		
2938	1264	4202	RELIABILITY	5	660		
4032	1858	5890	ROBOTICS & AUTOMATION	4	920		
6528	1866	8394	SELECTED AREAS IN COMMUNICATIONS	9	1620		
8015	1447	9462	SEMICONDUCTOR MANUFACTURING	4	336		
8341	1633	9974	SIGNAL PROCESSING	12	2828		
15038	1114	16152	SOFTWARE ENGINEERING	12	1356		
14535	2003	16538	SOLID-STATE CIRCUITS	12	2112		
10221	2849	13070	SYSTEMS, MAN, & CYBERNETICS	6	1584		
5130	1746	6876	ULTRASONICS, FERROELECTRICS & FREQUENCY CONTROL	6	752		
1911	1310	3221	VEHICULAR TECHNOLOGY	4	824		
3823	1307	5130					
50658	10329	60987	Total TRANSACTIONS & JOURNALS		66248		

*Estimated. Not all issues published at time of this report.
Translation Journal of Magnetism Not Included.

SECTION G

TABLE 1 - (Continued)

Member Dist.	Non-M Dist.	Total Dist.	Periodicals	Freq.	Total Pages	Edit. Pages	Adv. Pages
<u>MAGAZINES</u>							
11180	1074	12254	AEROSPACE & ELECTRONIC SYSTEMS MAGAZINE	12	540	540.00	
10701	1032	11733	ANTENNAS AND PROPAGATION MAGAZINE	6	520	476.50	43.50
1783	2247	4030	CIRCUITS & DEVICES MAGAZINE	6	416	381.34	34.66
32389	1970	34359	COMMUNICATIONS MAGAZINE	12	1206	910.00	296.00
98328	3132	101460	COMPUTER	12	1576	1259.12	316.88
27693	1076	28769	COMPUTER APPLICATIONS IN POWER	4	268	231.25	36.75
12211	2423	14634	COMPUTER GRAPHICS & APPLICATIONS	6	652	629.29	22.71
14195	1274	15469	CONTROL SYSTEMS MAGAZINE	4	584	493.00	91.00
5202	1402	6604	DESIGN & TEST OF COMPUTERS	6	468	443.84	24.16
2173	1062	3235	ELECTRICAL INSULATION MAGAZINE	6	428	383.84	44.16
7955	1095	9050	ENGINEERING IN MEDICINE & BIOLOGY	4	88	85.00	3.00
11888	1131		ENGINEERING MANAGEMENT REVIEW	4	448	448.00	
11224	1884	13108	EXPERT MAGAZINE	4	580	545.40	34.60
3662	1127	15504	LIGHTWAVE TELECOMMUNICATIONS SYSTEMS	4	306	267.17	38.83
14377	1872	10894	MICRO	6	588	577.00	11.00
9022	1793	24908	NETWORK MAGAZINE	6	374	296.50	77.50
23115	1142	20793	POWER ENGINEERING REVIEW	12	908	908.00	
19651	1172	26465	SIGNAL PROCESSING MAGAZINE	12	244	172.83	71.17
25293	2278	4959	SOFTWARE MAGAZINE	6	748	641.25	106.75
2681	1075	345798	TECHNOLOGY & SOCIETY MAGAZINE	4	140	138.00	2.00
344723	31261	704026	Total MAGAZINES		11082	9827.33	1254.67

TABLE 2 - 1991 IEEE NONSERIAL PUBLICATIONS OUTPUT

	Number of Items	Total Pages		Number of Items	Total Pages
Conference Records	186	138634	Preprints	498	3586
IEEE PRESS Books	20	7564	Standards	82	11262

Section H

1991 EDUCATIONAL ACTIVITIES STATISTICS

ACCREDITATION	<u>ABET</u>	<u>CSAB</u>
Programs reviewed	154	26
Institutions visited	117	26
Evaluators trained	51	27
INDIVIDUAL LEARNING ACTIVITIES		
Self Study Courses		
In production		8
Products available		17
Units sold		996
Video Tutorials *		
In production		32
Products available		91
Units sold		2,915
VIDEOCONFERENCES *		
Uses of Artificial Intelligence in Manufacturing (March 20, 1991)		
Sites		94
Attendance		2,350
Fuzzy Logic: Applications and Perspectives (April 25, 1991)		
Sites		160
Attendance		3,725
Neural Network Applications for the '90's (May 23, 1991)		
Sites		127
Attendance		3,112
Quality Management Approaches to the Malcolm Baldrige Award (September 19, 1991)		
Sites		135
Attendance		3,209
Software Testing and Reliability (October 30, 1991)		
Sites		136
Attendance		3,430
Optical Digital Computing (December 11, 1991)		
Sites		115
Attendance		2,921
Total Attendance **		18,747

* - Total videos in circulation - 183 Programs (32 new titles).

** - These numbers are for live broadcast 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	600
Standards projects in development	636
Standards withdrawn	51
Ballots conducted	180
Individuals who have balloted	12,829
New standards published	36
-Standards in electronic format (2 versions)	1
Revisions published	31
Collections published	7
Special publications	7
Standards Press publications	1
Total number of pages published	11,262
Total 1991 publications	82
Drafts sold	1,765
Publication units sold	77,636
Average units sold per order	1.61
Seminar topics	19
Classes conducted	33

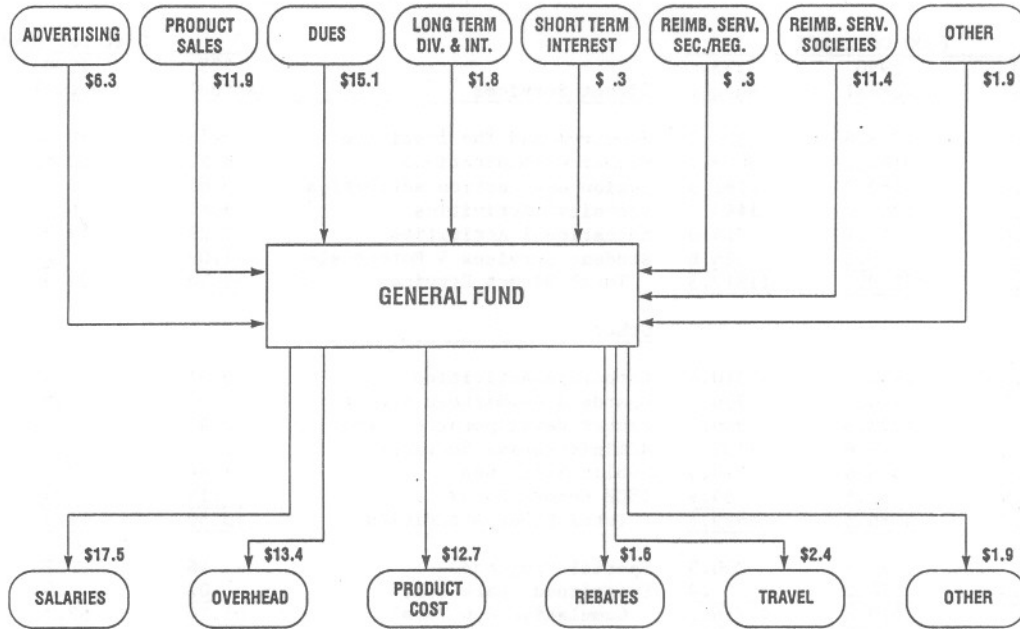
SECTION J - TABLE 1

SUMMARY NET PROJECTS COSTS
(AFTER ALLOCATIONS)

Net Operating Cost/(Surplus)

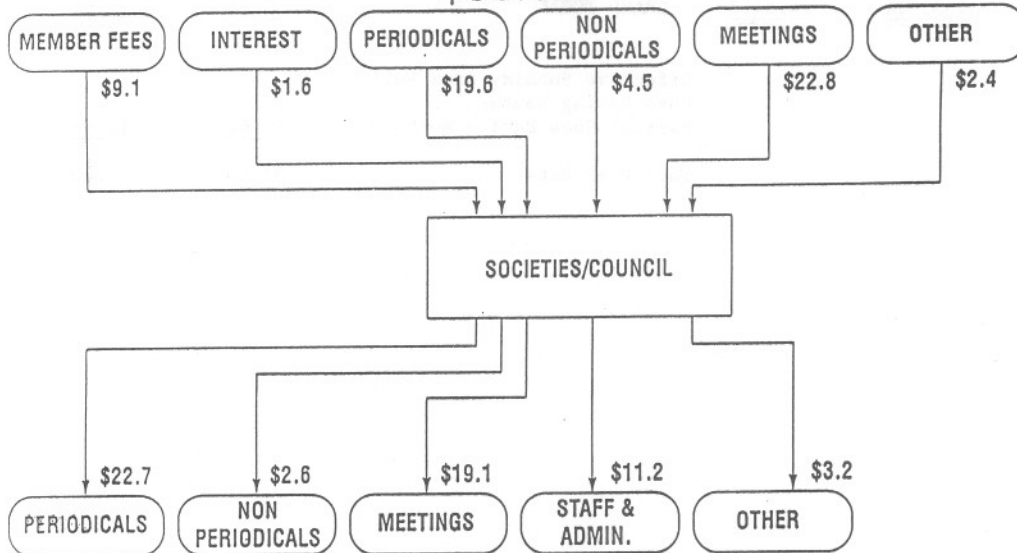
(000 Omitted)				Cost Per Member		
1989	1990	1991		1989	1990	1991
Actual	Actual	Budget	Direct Services	Actual	Actual	Budget
3024.2	2708.6	3301.3	Spectrum and The Institute	10.15	8.94	10.19
2745.1	3166.2	3069.7	Member Communications	9.22	10.45	9.47
2581.4	2960.9	2761.0	Region and Section Activities	8.67	9.75	8.52
1450.1	1860.0	1445.7	Technical Activities	4.87	6.14	4.46
683.0	1017.7	915.0	Educational Activities	2.29	3.36	2.82
298.5	365.3	324.8	Student Services & Potentials	1.00	1.21	1.01
<u>10782.3</u>	<u>12078.7</u>	<u>11817.5</u>	Total Direct Services	<u>36.20</u>	<u>39.85</u>	<u>36.47</u>
			Other			
1761.2	2606.6	2310.4	Corporate Activities	5.91	8.60	7.14
819.2	776.0	736.3	Boards & Committees Support	2.75	2.56	2.27
715.1	1223.8	946.5	Member Development & Marketing	2.40	4.04	2.92
764.2	1521.6	1131.4	Administrative Services	2.57	5.02	3.49
499.2	595.6	518.6	Public Relations	1.68	1.96	1.60
57.9	62.5	55.9	IEEE Honors Forum	.19	.21	.17
<u>4616.7</u>	<u>6786.1</u>	<u>5699.1</u>	Total Other Activities	<u>15.50</u>	<u>22.39</u>	<u>17.59</u>
-137.3	77.8	200.0	Special Projects	-.46	.25	.62
7.4	28.2	.0	Unassigned Space Cost	.02	.09	.00
<u>15269.1</u>	<u>18970.8</u>	<u>17716.6</u>	Cumulative Sub Total	<u>51.26</u>	<u>62.58</u>	<u>54.68</u>
280.0	.0	.0	Provision for Future Needs	.94	.00	.00
<u>15549.1</u>	<u>18970.8</u>	<u>17716.6</u>	Cumulative Sub Total	<u>52.20</u>	<u>62.58</u>	<u>54.68</u>
			Less Support From:			
.0	-4389.4	-550.0	Reserve Funds	.00	-14.48	-1.70
-1826.0	-1828.9	-1899.1	Interest Income	-6.13	-6.03	-5.86
-325.4	-166.8	-451.3	Standards Activities	-1.09	-.55	-1.39
-309.9	781.8	-299.0	Publishing Services	-1.04	2.58	-.92
-167.2	-10.1	-353.0	Data Processing	-.56	-.03	-1.09
<u>12920.6</u>	<u>13357.4</u>	<u>14164.2</u>	GRAND TOTAL	<u>43.38</u>	<u>44.07</u>	<u>43.72</u>
			Effective Subsidy from Full Dues Paying Members to Partial Dues Paying Members	<u>13.62</u>	<u>12.93</u>	<u>19.28</u>
			Full Dues Rate	57.00	57.00	63.00

1991 INCOME \$49.0 M



1991 EXPENSES \$49.5 M

1991 INCOME \$60.0M



1991 EXPENSES \$58.8