

# ANNUAL REPORT OF THE SECRETARY

1984



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, 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 Annual Report of the Secretary for 1984 is presented herewith. It contains information on:

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

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

Respectfully submitted,

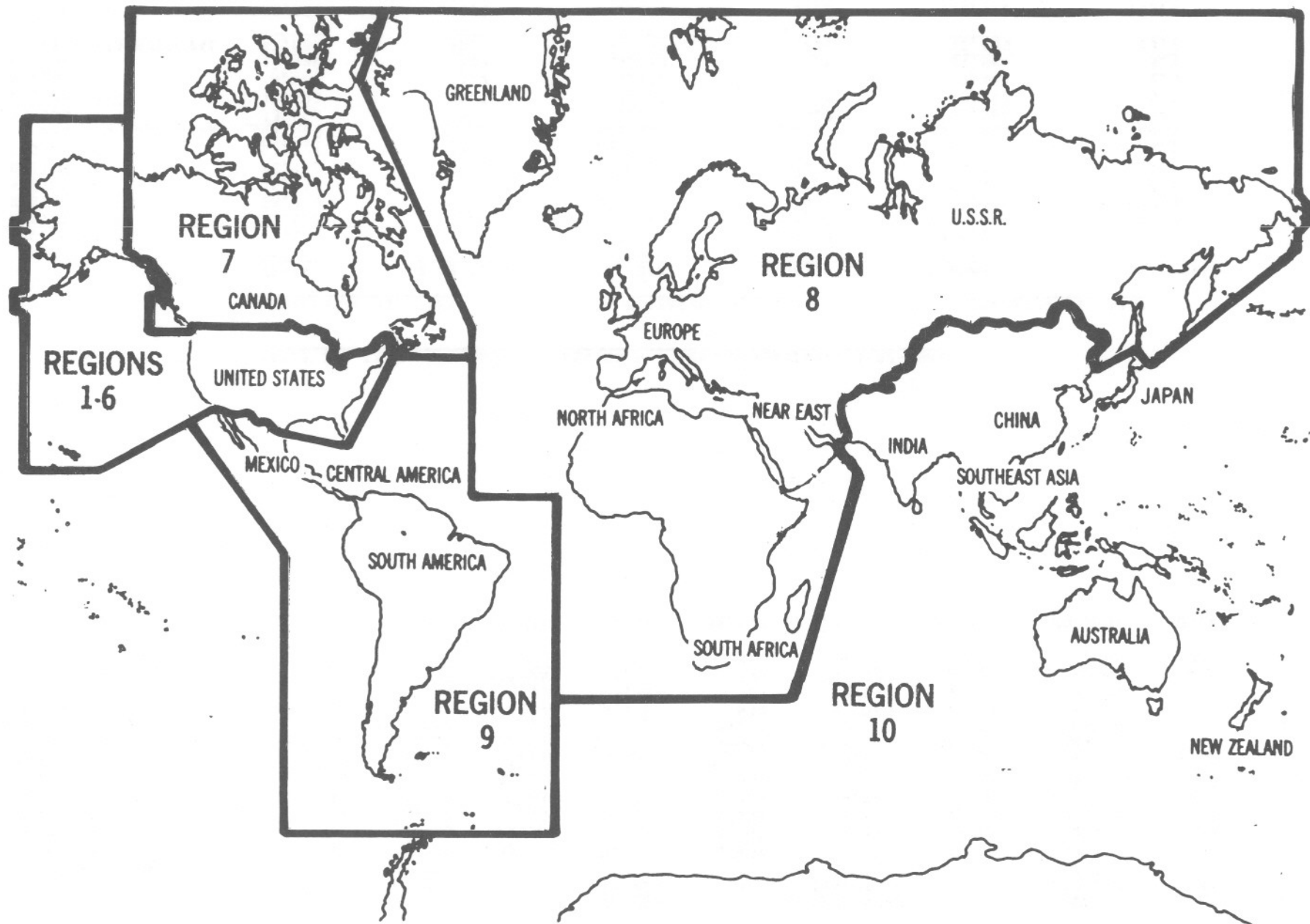
V. Prasad Kodali  
Secretary, 1984

February 1985

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## SECTION A

TABLE 1 - IEEE MEMBERSHIP BY REGION AND GRADE  
DECEMBER 31, 1984

	H	F	SM	M	VOTING MEMBERS	A	HIGHER GRADE SUBTOTAL	S	TOTAL MEMBERSHIP	% OF TOTAL
REGION 1	2	974	4,758	32,623	38,355	3,527	41,884	7,502	49,386	18.8
REGION 2	1	541	3,763	22,883	27,187	1,635	28,823	5,105	33,928	12.9
REGION 3		364	2,847	17,388	20,599	1,444	22,043	6,280	28,323	10.8
REGION 4	1	238	2,049	15,689	17,976	1,185	19,162	5,874	25,036	9.5
REGION 5	1	204	1,994	17,455	19,653	999	20,653	5,510	26,163	10.0
REGION 6	4	740	4,703	37,523	42,966	2,547	45,517	6,610	52,127	19.8
REG 1-6 SUBTOTAL	9	3,061	20,114	143,561	166,736	11,337	178,082	36,881	214,963	81.8
REGION 7		93	895	7,960	8,948	1,261	10,209	3,353	13,562	5.2
REGION 8	1	231	1,262	9,672	11,165	914	12,080	2,422	14,502	5.5
REGION 9		12	244	2,477	2,733	307	3,040	1,444	4,484	1.7
REGION 10	1	150	922	10,044	11,116	710	11,827	3,313	15,140	5.8
REG 7-10 SUBTOTAL	2	486	3,323	30,153	33,962	3,192	37,156	10,532	47,688	18.2
TOTAL	11	3,547	23,437	173,714	200,698	14,529	215,238	47,413	262,651	100.0

TABLE 2 - IEEE MEMBERSHIP BY REGION - 3 YEAR COMPARISON, 1982-1984

	DECEMBER 31, 1984		DECEMBER 31, 1983		DECEMBER 31, 1982	
	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL	NUMBER	% OF TOTAL
REGION 1	49,386	18.8	47,471	19.1	44,772	19.1
REGION 2	33,928	12.9	32,343	13.0	31,095	13.3
REGION 3	28,323	10.8	26,305	10.6	24,136	10.3
REGION 4	25,036	9.5	24,158	9.7	22,988	9.8
REGION 5	26,163	10.0	24,907	10.0	23,022	9.8
REGION 6	52,127	19.8	48,333	19.6	45,454	19.5
REG 1-6 SUBTOTAL	214,963	81.8	203,517	82.0	191,467	81.8
REGION 7	13,562	5.2	12,850	5.2	12,366	5.3
REGION 8	14,502	5.5	13,770	5.5	12,873	5.5
REGION 9	4,484	1.7	4,500	1.8	5,404	2.3
REGION 10	15,140	5.8	13,638	5.5	11,966	5.1
REG 7-10 SUBTOTAL	47,688	18.2	44,758	18.0	42,609	18.2
TOTAL	262,651	100.0	248,275	100.0	234,076	100.0

## SECTION A

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

	DEC. 31, 1984	DEC. 31, 1983	DEC. 31, 1982
FELLOW	1,620	1,601	1,590
SENIOR MEMBER	5,684	5,306	4,901
MEMBER	3,769	3,424	3,064
ASSOCIATE	337	301	263
TOTAL	11,410	10,632	9,818

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

	DEC. 31, 1984	DEC. 31, 1983	DEC. 31, 1982
FELLOW	11	10	10
SENIOR MEMBER	109	101	90
MEMBER	6,505	5,372	4,242
ASSOCIATE	722	484	411
STUDENT	5,746	5,086	4,250
TOTAL	13,093	11,053	9,003

TABLE 5 - IEEE MEMBERSHIP BY GRADE, 1963 - 1984

YEAR	H	F	SM	M	VOTING MEMBERS	A	HIGHER GRADE SUBTOTAL	S	TOTAL
1963	5	2,589	26,274	82,750	111,613	14,215	125,833	28,676	154,509
1964	5	2,598	26,182	87,435	116,215	13,682	129,902	24,076	153,978
1965	5	2,682	26,387	87,916	116,985	12,949	129,939	24,259	154,198
1966	5	2,759	26,254	97,834	126,847	14,114	140,966	19,104	160,070
1967	4	2,817	25,411	94,746	122,974	12,991	135,969	22,248	158,217
1968	4	2,885	25,023	97,326	125,234	13,200	138,438	23,930	162,368
1969	4	2,917	24,815	101,058	128,790	13,235	142,029	24,319	166,348
1970	4	2,951	24,229	104,053	131,233	13,138	144,375	24,684	169,059
1971	4	3,004	23,802	105,919	132,725	12,766	145,495	20,987	166,482
1972	4	3,019	23,281	108,725	135,025	11,984	147,013	20,210	167,223
1973	4	3,017	22,561	108,854	134,432	11,210	145,646	22,169	167,815
1974	3	3,061	22,422	115,287	140,770	10,955	151,728	21,795	173,523
1975	2	3,058	22,133	119,567	144,758	10,738	155,498	24,318	179,816
1976	2	3,038	21,470	118,507	143,015	10,239	153,256	25,360	178,616
1977	2	3,087	21,207	122,839	147,133	10,603	157,738	25,283	183,021
1978	1	3,238	21,256	126,168	150,662	11,068	161,731	29,643	191,374
1979	1	3,308	21,442	133,775	158,525	11,908	170,434	31,239	201,673
1980	1	3,362	21,742	141,411	166,515	12,514	179,030	34,782	213,812
1981	3	3,406	21,818	147,085	172,309	12,197	184,509	37,238	221,747
1982	6	3,465	22,076	156,240	181,781	12,138	193,925	40,151	234,076
1983	9	3,485	23,044	163,951	190,480	12,730	203,219	45,056	248,275
1984	11	3,547	23,437	173,714	200,698	14,529	215,238	47,413	262,651

## SECTION A

TABLE 6 - IEEE MEMBERSHIP CHANGES, BY GRADE, DURING CALENDAR YEAR 1984, 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 12/31/83	9	3,485	23,044	163,951	12,730	203,219	45,056	248,275
<u>ADDITIONS</u>								
ELECTIONS	2	0	236	11,461	520	12,219	27,717	39,936
DUES ARREARS PAID		121	1,175	15,410	1,273	17,979	3,408	21,387
REINSTATEMENTS		6	54	1,472	124	1,656	325	1,981
TRANSFERS TO		<u>214</u>	<u>1,454</u>	<u>21,944</u>	<u>3,964</u>	<u>27,576</u>	<u>3,086</u>	<u>30,662</u>
TOTAL ADDITIONS	<u>2</u>	<u>341</u>	<u>2,919</u>	<u>50,287</u>	<u>5,881</u>	<u>59,430</u>	<u>34,536</u>	<u>93,966</u>
<u>DELETIONS</u>								
RESIGNATIONS		1	62	573	91	727	55	782
DECEASED		68	205	303	20	596	7	603
DUES ARREARS		130	1,538	32,879	3,583	38,130	9,413	47,543
TRANSFERS FROM		<u>80</u>	<u>721</u>	<u>6,769</u>	<u>388</u>	<u>7,958</u>	<u>22,704</u>	<u>30,662</u>
TOTAL DELETIONS		<u>279</u>	<u>2,526</u>	<u>40,524</u>	<u>4,082</u>	<u>47,411</u>	<u>32,179</u>	<u>79,590</u>
ACTIVE MEMBERSHIP 12/31/84	11	3,547	23,437	173,714	14,529	215,238	47,413	262,651
GAIN/LOSS	+2	+62	+393	+9,763	+1,799	+12,019	+2,357	+14,376
NET ARREARS		9	363	17,469	2,310	20,151	6,005	26,156

	<u>DECEMBER 31, 1984</u>	<u>DECEMBER 31, 1983</u>	<u>DECEMBER 31, 1982</u>
<u>ADDITIONS</u>			
ELECTIONS	39,936	37,516	34,235
REINSTATEMENTS	1,981	1,861	1,516
DUE ARREARS PAID	<u>21,387</u>	<u>18,463</u>	<u>17,334</u>
TOTAL ADDITIONS	63,304	57,840	53,085
<u>DELETIONS</u>			
RESIGNATIONS	782	817	926
DECEASED	603	506	489
DUES ARREARS	<u>47,543</u>	<u>42,318</u>	<u>39,341</u>
TOTAL DELETIONS	48,928	43,641	40,756
NET GAIN/LOSS	+14,376	+14,199	+12,329



## SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE  
DECEMBER 31, 1984

## REGION 1

GEO CODE R C S SS	SECTION/SUBSECTION	H	F	SM	M	A	HIGHER GRADE	S	SUBSECTION	SECTION
							SUBTOTAL		TOTAL	TOTAL
01 00 01	BERKSHIRE		14	75	165	9	263	14		277
01 00 03	BINGHAMTON		4	75	580	60	719	104		823
01 01 05	BOSTON (CNEC)	2	209	858	7120	566	8755	1198		9953
01 01 05 03	MERRIMACK VALLEY (CNEC)		(17)	(114)	(1302)	(105)	(1538)	(163)	(1701)	
01 01 05 01	NORTHSHORE (CNEC)		(8)	(44)	(263)	(21)	(336)	(29)	(365)	
01 00 07	BUFFALO		5	119	560	65	749	252		1001
01 00 09	CONNECTICUT		53	400	2835	302	3590	531		4121
01 00 09 01	FAIRFIELD COUNTY		(25)	(187)	(1172)	(104)	(1488)	(88)	(1576)	
01 00 09 03	NEW LONDON		(4)	(34)	(310)	(26)	(374)	(45)	(419)	
01 00 13	ITHACA		17	27	134	8	186	202		388
01 03 15	LONG ISLAND (METSAC)		66	444	2974	334	3818	343		4161
01 00 17	MAINE		4	46	297	27	374	99		473
01 00 19	MID-HUDSON		17	129	1050	85	1281	140		1421
01 00 21	MOHAWK VALLEY		10	74	426	36	546	140		686
01 00 21 01	ST. LAWRENCE INT'L		(2)	(17)	(57)	(18)	(94)	(69)	(163)	
01 01 23	NEW HAMPSHIRE (CNEC)		17	122	1051	137	1327	127		1454
01 00 45	NEW JERSEY COAST		82	271	1795	135	2283	163		2446
01 03 25	NEW YORK (METSAC)		99	506	3829	815	5249	1661		6910
01 03 25 03	WESTCHESTER		(59)	(198)	(1219)	(171)	(1647)	(188)	(1835)	
01 03 27	NORTH JERSEY (METSAC)		144	612	3753	400	4909	582		5491
01 03 29	PRINCETON (METSAC)		73	244	1693	189	2199	513		2712
01 01 31	PROVIDENCE (CNEC)		19	108	932	67	1126	239		1365
01 00 33	ROCHESTER		8	109	927	90	1134	224		1358
01 00 35	SCHENECTADY		90	285	685	47	1107	285		1392
01 00 37	SPRINGFIELD		4	27	257	20	308	247		555
01 00 39	SYRACUSE		28	127	661	38	854	140		994
01 00 41	VERMONT		7	42	316	48	413	139		552
01 01 43	WORCESTER COUNTY (CNEC)		4	58	583	49	694	159		853
	REGION 1 TOTALS	2	974	4758	32623	3527	41884	7502		49386
	COUNCIL TOTALS									
01 01	CENTRAL NE COUNCIL (CNEC)	2	249	1146	9686	819	11902	1723		13625
01 03	METRO SEC ADV COUNCIL (METSAC)		382	1806	12249	1738	16175	3099		19274

## SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE  
DECEMBER 31, 1984

## REGION 2

GEO CODE				SECTION/SUBSECTION	H	F	SM	M	A	HIGHER GRADE	S	SUBSECTION	SECTION
R	C	S	SS							SUBTOTAL		TOTAL	TOTAL
02	00	01		AKRON		5	63	369	24	461	89		550
02	00	21		ALLEGHENY MOUNTAIN		1	11	49	8	69	8		77
02	00	03		BALTIMORE		40	385	2673	154	3252	271		3523
02	00	03	01	ANNAPOLIS		(11)	(99)	(817)	(47)	(974)	(88)	(1062)	
02	00	05		CANTON			20	130	6	156	48		204
02	00	07		CENTRAL PENNSYLVANIA		5	55	222	11	293	340		633
02	00	09		CINCINNATI		7	72	561	41	681	114		795
02	00	11		CLEVELAND		30	198	1118	85	1431	251		1682
02	00	13		COLUMBUS		19	155	812	138	1124	432		1556
02	00	13	05	ZANESVILLE			(7)	(22)	(2)	(31)	(2)	(33)	
02	00	15		DAYTON		11	126	1062	66	1265	174		1439
02	00	17		DELAWARE BAY		2	56	310	11	379	74		453
02	00	47		EASTERN SHORE		4	18	95	16	133	10		143
02	00	23		ERIE		4	48	140	12	204	35		239
02	00	25		JOHNSTOWN		1	24	102	8	135	58		193
02	00	27		LEHIGH VALLEY		27	148	950	84	1209	335		1544
02	00	29		LIMA		3	20	76	7	106	145		251
02	00	31		NORTH CENTRAL OHIO		2	17	50	7	76	6		82
02	00	49		NORTHERN VIRGINIA		58	447	3574	211	4290	297		4587
02	00	33		OHIO VALLEY			6	74	5	85	14		99
02	00	35		PHILADELPHIA		111	635	3917	300	4963	845		5808
02	00	37		PITTSBURGH	1	72	416	1696	103	2288	663		2951
02	00	37	01	UPPER MONONGAHELA		(2)	(8)	(82)	(2)	(94)	(89)	(183)	
02	00	39		SHARON		5	28	137	10	180	77		257
02	00	41		SOUTHERN NEW JERSEY		3	19	146	12	180	14		194
02	00	43		SUSQUEHANNA		5	61	424	57	547	90		637
02	00	19		WASHINGTON		125	722	4069	248	5164	669		5833
02	00	19	01	WESTERN MARYLAND		(1)	(10)	(126)	(21)	(158)	(11)	(169)	
02	00	45		WEST VIRGINIA		1	13	127	11	152	46		198
<u>REGION 2 TOTALS</u>					<u>1</u>	<u>541</u>	<u>3763</u>	<u>22883</u>	<u>1635</u>	<u>28823</u>	<u>5105</u>		<u>33928</u>

## SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE  
DECEMBER 31, 1984

## REGION 3

GEO CODE R C S SS	SECTION/SUBSECTION	H	F	SM	M	A	HIGHER GRADE	SUBSECTION	SECTION	SECTION
							SUBTOTAL			
03 00 01	ALABAMA		7	155	682	19	863	423		1286
03 00 01 01	MONTGOMERY		(4)	(30)	(172)	(4)	(210)	(267)	(477)	
03 00 03	ATLANTA		34	259	1773	181	2247	587		2834
03 00 03 01	ROME		(1)	(16)	(51)	(6)	(74)	(6)	(80)	
03 00 05	BATON ROUGE		2	19	254	6	281	186		467
03 05 89	BROWARD (FC)		19	72	542	56	689	45		734
03 05 07	CANAVERAL (FC)		4	28	218	16	266	12		278
03 00 93	CENTRAL GEORGIA		1	12	159	7	179	34		213
03 01 67	CENTRAL NORTH CAROLINA (NCC)		3	27	184	17	231	87		318
03 03 81	CENTRAL SAVANNAH RIVER (SCC)			7	140	6	153	35		188
03 09 09	CENTRAL VIRGINIA (VC)		19	74	343	19	455	190		645
03 01 69	CHARLOTTE (NCC)		10	103	518	78	709	158		867
03 07 11	CHATTANOOGA (TC)		4	65	209	39	317	76		393
03 03 83	COASTAL SOUTH CAROLINA (SCC)		11	44	210	27	292	87		379
03 03 85	COLUMBIA (SCC)		2	38	271	18	329	126		455
03 05 77	DAYTONA (FC)		5	28	133	10	176	7		183
03 07 13	EAST TENNESSEE (TC)		10	94	463	24	591	168		759
03 01 71	EASTERN NORTH CAROLINA (NCC)		25	144	1187	139	1495	565		2060
03 01 71 01	LOWER CAPE FEAR (NCC)			(10)	(49)	(7)	(66)	(8)	(74)	
03 00 15	EVANSVILLE-OWENSBORO		1	29	249	15	294	98		392
03 00 15 01	PADUCAH			(4)	(47)	(6)	(57)	(22)	(79)	
03 05 17	FLORIDA WEST COAST (FC)		76	318	1150	126	1670	332		2002
03 05 17 01	SARASOTA-BRADENTON (FC)		(37)	(124)	(471)	(22)	(354)	(6)	(360)	
03 05 19	FORT WALTON (FC)			14	149	4	167	6		173
03 00 21	GAINESVILLE		13	34	170	8	225	234		459
03 09 23	HAMPTON ROADS (VC)		3	55	548	27	633	125		758
03 00 25	HUNTSVILLE		4	72	838	37	951	110		1061
03 00 25 01	MUSCLE SHOALS			(7)	(27)	(1)	(35)	(9)	(44)	
03 05 27	JACKSONVILLE (FC)			41	160	19	220	7		227
03 00 29	LEXINGTON		2	17	230	4	253	86		339
03 00 31	LOUISVILLE		2	49	261	9	321	235		556
03 07 33	MEMPHIS (TC)			35	268	51	354	262		616
03 07 33 01	JACKSON (TC)			(3)	(44)	(2)	(49)	(21)	(70)	
03 05 35	MIAMI (FC)		13	115	665	52	845	119		964
03 07 37	MIDDLE TENNESSEE (TC)			29	82	7	118	12		130
03 00 39	MISSISSIPPI		3	31	304	12	350	194		544
03 00 39 01	NE MISSISSIPPI		(1)	(10)	(68)	(1)	(80)	(121)	(201)	
03 00 41	MOBILE		1	20	121	9	151	62		213
03 07 43	NASHVILLE (TC)		6	53	311	17	387	453		840
03 00 45	NEW ORLEANS		3	98	640	39	780	105		885
03 07 49	CAK RIDGE (TC)		4	28	151	5	188	21		209
03 05 51	ORLANDO (FC)		11	132	743	46	932	108		1040
03 05 53	PALM BEACH (FC)		21	105	637	62	825	42		867
03 05 57	PENSACOLA (FC)		1	8	87	7	103	4		107
03 03 87	PIEDMONT (SCC)		4	40	296	22	362	234		596
03 09 59	RICHMOND (VC)		5	61	416	26	508	19		527
03 00 61	SAVANNAH		1	13	66	5	85	7		92
03 05 95	SO BREVARD INDIAN RIVER		9	73	729	26	837	101		938
03 05 55	TALLAHASSEE AREA (FC)		7	20	148	9	184	65		249
03 07 91	TRI CITIES (TC)		2	24	194	78	298	39		337
03 09 65	VIRGINIA MOUNTAIN (VC)		5	101	269	34	409	400		809
03 01 73	WESTERN NORTH CAROLINA (NCC)		9	41	96	12	158	4		162
03 01 75	WINSTON-SALEM (NCC)		2	22	124	14	162	10		172
<u>REGION 3 TOTALS</u>			364	2847	17388	1444	22043	6280		28323
<u>COUNCIL TOTALS</u>										
03 05	FLORIDA COUNCIL (FC)		166	954	5361	433	6914	848		7762
03 01	NO CAROLINA COUNCIL (NCC)		49	337	2109	260	2755	824		3579
03 03	SO CAROLINA COUNCIL (SCC)		17	129	917	73	1136	482		1618
03 07	TENNESSEE COUNCIL (TC)		26	328	1678	221	2253	1031		3284
03 09	VIRGINIA COUNCIL (VC)		32	291	1576	106	2005	734		2739

## SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE  
DECEMBER 31, 1984

## REGION 4

GEO CODE				SECTION/SUBSECTION		H	F	SM	M	A	HIGHER GRADE SUBTOTAL	S	SUBSECTION TOTAL	SECTION TOTAL
R	C	S	SS											
04	00	01		ARROWHEAD			17	126	11	154	61			215
04	00	45		CALUMET			2	39	52	414	165			579
04	00	03		CEDAR RAPIDS			5	56	17	358	84			442
04	00	05		CENTRAL ILLINOIS	1	41	90	427	20	579	494			1073
04	00	07		CENTRAL INDIANA		22	157	1048	71	1298	529			1827
04	00	07	01	ELCOMINGTON		(3)	(20)	(84)	(11)	(118)	(13)	(131)		
04	00	09		CENTRAL ICWA		3	47	220	8	278	331			609
04	00	11		CHICAGO		59	526	4401	326	5312	792			6104
04	00	11	03	FOX VALLEY		(10)	(137)	(1323)	(89)	(1559)	(107)	(1666)		
04	00	11	05	NORTHWEST		(11)	(173)	(1529)	(119)	(1832)	(128)	(1960)		
04	00	13		FORT WAYNE		4	56	284	17	361	45			406
04	00	15		ILLINOIS VALLEY			22	125	7	154	48			202
04	00	17		IOWA-ILLINOIS			41	173	15	229	23			252
04	00	19		MADISON		6	59	294	10	369	315			684
04	00	33		MICHIANA		5	21	209	25	260	98			358
04	00	21		MILWAUKEE		18	167	1107	67	1359	493			1852
04	00	23		NEBRASKA		2	79	440	97	618	138			756
04	00	25		NORTHEAST MICHIGAN		1	30	205	23	259	59			318
04	00	27		NORTHEASTERN WISCONSIN		1	38	339	22	400	228			628
04	00	27	01	UPPER PENINSULA			(17)	(88)	(3)	(108)	(193)	(301)		
04	00	29		ROCK RIVER VALLEY		1	11	212	20	244	38			282
04	00	31		SIouxLAND		2	17	106	10	135	59			194
04	00	35		SOUTHEASTERN MICHIGAN		43	266	2129	154	2592	1018			3610
04	00	37		SOUTHERN MINNESOTA		1	11	293	12	317	21			338
04	00	39		TOLEDO		2	49	289	48	388	220			608
04	00	41		TWIN CITIES		19	192	2278	119	2608	526			3134
04	00	41	03	MISSOURI SLOPE			(79)	(79)	(3)	(82)	(14)	(96)		
04	00	41	01	RED RIVER VALLEY			(14)	(170)	(3)	(187)	(149)	(336)		
04	00	43		WEST MICHIGAN		1	58	383	34	476	89			565
04	00	43	01	KALAMAZOO-BATTLE CREEK			(13)	(85)	(9)	(107)	(67)	(174)		
<u>REGION 4 TOTALS</u>					1	238	2049	15689	1185	19162	5874			25036

## SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE  
DECEMBER 31, 1984

## REGION 5

GEO CODE R C S SS	SECTION/SUBSECTION	H	F	SM	M	A	HIGHER GRADE	S	SUBSECTION	SECTION
							SUBTOTAL		TOTAL	TOTAL
05 00 01	ARKANSAS		3	47	288	30	368	42		410
05 00 03	BEAUMONT		1	21	148	3	173	66		239
05 00 05	CENTRAL TEXAS		28	133	1622	89	1872	543		2415
05 00 07	CORPUS CHRISTI		1	23	180	30	234	98		332
05 00 09	DALLAS	1	32	302	3436	164	3935	264		4199
05 00 11	DENVER		44	309	2413	119	2885	687		3572
05 00 11 01	BLACK HILLS			(5)	(61)		(66)	(75)	(141)	
05 00 13	EL PASO		3	49	278	19	349	177		526
05 00 15	FORT WORTH		5	103	1172	48	1328	227		1555
05 00 45	GALVESTON BAY		2	29	434	23	488	83		571
05 00 17	HOUSTON		14	222	2254	129	2619	929		3548
05 00 17 01	FRIEPORT			(10)	(76)	(1)	(87)	(1)	(88)	
05 00 19	KANSAS CITY		9	168	942	100	1219	474		1693
05 00 19 01	SPRINGFIELD-JOPLIN		(1)	(19)	(81)	(9)	(110)	(34)	(144)	
05 00 41	LAFAYETTE		2	3	146	5	156	139		295
05 00 21	OKLAHOMA CITY		5	85	365	20	475	107		582
05 00 37	OZARK		2	30	105	3	140	38		178
05 00 23	PANHANDLE			20	114	8	142	5		147
05 00 39	PERMIAN BASIN			4	83	22	109	8		117
05 00 43	PIKES PEAK		5	44	537	27	613	195		808
05 00 25	SAINT LOUIS		31	203	1809	84	2127	915		3042
05 00 25 01	ROLLA		(3)	(11)	(85)	(4)	(103)	(358)	(461)	
05 00 27	SHREVEPORT		3	28	242	8	281	166		447
05 00 27 01	MONROE		(1)	(1)	(25)		(27)	(13)	(40)	
05 00 29	SOUTH PLAINS		3	20	116	5	144	115		259
05 00 31	TULSA		8	94	403	39	544	167		711
05 00 35	WICHITA		3	57	368	24	452	65		517
	<u>REGION 5 TOTALS</u>	<u>1</u>	<u>204</u>	<u>1994</u>	<u>17455</u>	<u>999</u>	<u>20653</u>	<u>5510</u>		<u>26163</u>

## SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE  
DECEMBER 31, 1984

## REGION 6

GEO CODE R C S SS	SECTION/SUBSECTION	H	F	SM	M	A	HIGHER GRADE	S	SUBSECTION	SECTION
							SUBTOTAL		TOTAL	TOTAL
06 00 03	ALAMOGORDO-HOLLOMAN		1	9	42	1	53	1		54
06 00 05	ALASKA			13	232	30	275	32		307
06 00 05 01	INTERIOR ALASKA			(6)	(44)	(3)	(53)	(21)	(74)	
06 00 01	ALBUQUERQUE		20	103	802	38	963	137		1100
06 00 07	BOISE		1	22	176	5	204	6		210
06 01 09	BUENAVENTURA (LAC)		7	74	790	58	929	38		967
06 01 11	CHINA LAKE (LAC)			14	221	13	248	8		256
06 00 65	EASTERN MONTANA			2	53	1	56	4		60
06 01 13	FOOTHILL (LAC)		13	120	926	75	1134	183		1317
06 00 15	FORT HUACHUCA			20	108	3	131	2		133
06 00 17	HAWAII		11	38	501	45	595	30		625
06 00 19	IDAHO			14	107	5	126	9		135
06 00 21	LAS VEGAS		1	21	132	8	162	26		188
06 00 71	LOS ALAMOS		2	51	144	7	204	10		214
06 01 23	METROPOLITAN LOS ANGELES (LAC)		26	104	686	58	874	281		1155
06 00 25	MONTANA			18	138	6	162	105		267
06 00 73	NORTHERN NEVADA		5	25	141	8	179	56		235
06 03 67	OAKLAND-EAST BAY (SFBAC)		59	248	2087	148	2542	491		3033
06 01 27	ORANGE COUNTY (LAC)		39	426	3289	225	3979	399		4378
06 00 29	PHOENIX		37	290	2109	128	2564	478		3042
06 00 31	PORTLAND		43	225	1594	107	1969	306		2275
06 00 31 01	EUGENE		(7)	(34)	(222)	(31)	(294)	(129)	(423)	
06 00 33	RICHLAND	1	3	31	187	15	237	53		290
06 00 35	SACRAMENTO		9	107	904	54	1074	590		1664
06 00 35 05	SAN JOAQUIN		(2)	(12)	(129)	(11)	(154)	(97)	(251)	
06 00 37	SAN DIEGO		43	302	2211	145	2701	205		2906
06 01 39	SAN FERNANDO VALLEY (LAC)		22	267	1535	136	1960	231		2191
06 03 41	SAN FRANCISCO (SFBAC)		22	194	1407	136	1759	104		1863
06 03 41 01	REDWOOD EMPIRE (SFBAC)		(3)	(31)	(216)	(13)	(263)	(8)	(271)	
06 01 43	SAN GABRIEL VALLEY (LAC)		24	133	737	66	960	191		1151
06 00 45	SANTA BARBARA		21	87	444	28	580	275		855
06 03 69	SANTA CLARA VALLEY (SFBAC)	3	189	818	8637	550	10197	835		11032
06 03 69 01	MONTEREY BAY		(16)	(40)	(303)	(26)	(385)	(76)	(461)	
06 01 47	SANTA MONICA BAY (LAC)		60	183	1140	103	1486	260		1746
06 00 49	SEATTLE		28	266	2281	134	2709	299		3008
06 01 51	SOUTH BAY HARBOR (LAC)		21	226	2145	115	2507	279		2786
06 00 53	SPOKANE		2	44	269	8	323	204		527
06 00 55	TUCSON		19	116	474	34	643	155		798
06 00 57	UTAH		11	69	680	33	793	313		1106
06 00 59	VANDENBERG			13	139	16	168	7		175
06 00 61	WENATCHEE		1	10	55	5	71	7		78
<u>REGION 6 TOTALS</u>		<u>4</u>	<u>740</u>	<u>4703</u>	<u>37523</u>	<u>2547</u>	<u>45517</u>	<u>6610</u>		<u>52127</u>

COUNCIL TOTALS

06 01	LOS ANGELES COUNCIL (LAC)		212	1547	11469	849	14077	1870		15947
06 03	SF BAY AREA COUNCIL (SFBAC)	3	270	1260	12131	834	14498	1430		15928

## SECTION A

TABLE 7 - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE  
DECEMBER 31, 1984

REGION 7

GEO CODE R C S SS	SECTION/SUBSECTION	H	F	SM	M	A	HIGHER GRADE	S	SUBSECTION	SECTION
							SUBTOTAL		TOTAL	
07 05 01	BAY OF QUINTE (CCC)		2	51	187	31	271	157		428
07 03 33	CANADIAN ATLANTIC (ECC)		3	18	166	14	201	106		307
07 05 03	HAMILTON (CCC)		3	47	280	123	453	206		659
07 05 05	KITCHENER-WATERLOO (CCC)		3	32	239	54	328	141		469
07 05 07	LONDON (CCC)		1	21	162	44	228	103		331
07 03 09	MONTREAL (ECC)		26	149	1374	92	1641	634		2275
07 03 35	NEW BRUNSWICK (ECC)			18	137	8	163	119		282
07 03 37	NEWFOUNDLAND-LABRADOR (ECC)			7	61	3	71	64		135
07 01 13	NORTHERN CANADA (WCC)			20	381	38	439	62		501
07 03 15	OTTAWA (ECC)		11	134	1347	135	1627	256		1883
07 03 17	QUEBEC (ECC)		1	10	147	10	168	75		243
07 03 21	SAINT MAURICE (ECC)			1	27	3	31	12		43
07 01 19	SASKATCHEWAN (WCC)		2	26	190	37	255	201		456
07 01 23	SOUTHERN ALBERTA (WCC)		1	20	382	57	460	99		559
07 05 25	TORONTO (CCC)		28	171	1787	403	2389	564		2953
07 01 27	VANCOUVER (WCC)		8	101	698	80	887	182		1069
07 01 29	VICTORIA (WCC)		3	20	104	28	155	49		204
07 01 31	WINNIPEG (WCC)		1	49	291	101	442	323		765
	<u>REGION 7 TOTALS</u>		93	895	7960	1261	10209	3353		13562
	<u>COUNCIL TOTALS</u>									
07 05	CENTRAL CANADA COUNCIL (CCC)		37	322	2655	655	3669	1171		4840
07 03	EASTERN CANADA COUNCIL (ECC)		41	337	3259	265	3902	1266		5168
07 01	WESTERN CANADA COUNCIL (WCC)		15	236	2046	341	2638	916		3554

## SECTION A

TABLE 7-8A - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE  
DECEMBER 31, 1984

## 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	13	91	11	117	9		126
08 00 01	BENELUX		27	105	868	64	1064	330		1394
08 00 25	DENMARK		2	19	226	22	269	25		294
08 00 47	EAST AFRICA			18	120	12	150	4		154
08 00 03	EGYPT		5	39	141	10	195	75		270
08 00 35	FINLAND			14	166	11	191	109		300
08 00 05	FRANCE		35	102	634	79	850	79		929
08 00 17	GERMANY (WEST)		30	133	900	110	1173	128		1301
08 00 29	GREECE		3	21	224	21	269	72		341
08 00 27	IRAN			8	73	6	87	48		135
08 00 09	ISRAEL		14	54	424	27	519	70		589
08 00 21	MIDDLE & SOUTH ITALY		6	35	270	36	347	80		427
08 00 39	NIGERIA			12	141	8	161	7		168
08 00 11	NORTH ITALY		10	35	482	74	601	200		801
08 00 13	NORWAY		2	34	179	19	234	4		238
08 00 33	POLAND		1	36	15	3	55	1		56
08 00 45	PORTUGAL			6	74	21	101	34		135
08 00 43	SAUDI ARABIA		1	43	515	37	596	32		628
08 00 43 01	JUBAIL				(10)		(10)		(10)	
08 00 41	SOUTH AFRICA		1	21	158	11	191	12		203
08 00 23	SPAIN		1	24	422	51	498	180		678
08 00 19	SWEDEN		11	57	380	29	477	142		619
08 00 07	SWITZERLAND		18	90	772	57	937	183		1120
08 00 15	UNITED KINGDOM & REP IRELAND	1	59	258	1644	130	2092	314		2406
08 00 31	YUGOSLAV			8	146	7	161	33		194
08 00 88	COUNTRIES OUTSIDE SECTIONS		3	77	607	58	745	251		996
	<u>REGION 8 TOTALS</u>	<u>1</u>	<u>231</u>	<u>1262</u>	<u>9672</u>	<u>914</u>	<u>12080</u>	<u>2422</u>		<u>14502</u>



## SECTION A

TABLE 7-8B - IEEE MEMBERSHIP IN REGION 8 NOT ASSIGNED TO SECTIONS, BY COUNTRY, BY GRADE  
DECEMBER 31, 1984 - 3 YEAR COMPARISON

COUNTRY	<u>F</u>	<u>SM</u>	<u>M</u>	<u>A</u>	<u>S</u>	12/31/84 TOTAL	12/31/83 TOTAL	12/31/82 TOTAL
ALGERIA			10	1		11	9	7
ANGOLA (W. AFRICA)							1	
BAHREIN (ARABIAN GULF)		6	36	2	3	47	38	35
BOTSWANA (S. AFRICA)		2	4			6	5	
BULGARIA		2	2			4	3	5
CAMEROON (C. AFRICA)			1			1	3	2
CANARY ISLANDS							1	
CYPRUS		4	31	1	1	37	30	26
CZECHOSLOVAKIA		4	7	6	2	19	21	20
ETHIOPIA								1
GHANA (W. AFRICA)			5	1		6	7	5
GIBRALTAR			1			1	1	1
HUNGARY		6	3	1		10	11	9
ICELAND			29	4	4	37	36	36
IRAQ		3	29	1	7	40	31	38
IVORY COAST (W. AFRICA)		1	5			6	7	4
JORDAN		7	37	2	12	58	47	40
KENYA (E. AFRICA)							3	2
KUWAIT		10	106	7	187	310	156	143
LEBANON			9	1	1	11	28	15
LIBERIA (W. AFRICA)			7	2		9	9	12
MALAWI (C. AFRICA)		1	4	1		6	5	3
MALI (N. AFRICA)							1	1
MALTA, ISLE OF		1	6	1	6	14	9	6
MONACO, PRINCIPALITY OF							3	1
MOROCCO			7		2	9	8	6
MOZAMBIQUE (S. AFRICA)								1
MUSCAT/OMAN/UNITED ARAB EMIRATES		8	101	10	1	120	105	80
QATAR (ARABIAN GULF)		5	31	3		39	31	22
RUMANIA		6	5	1		12	14	13
SENEGAL (W. AFRICA)				1		1	1	1
SIERRA LEONE (W. AFRICA)							1	1
SP LIBYAN ARAB JAMAHIRIYA		2	26	1		29	30	29
SUDAN			17	3		20	17	18
SWAZILAND (S. AFRICA)			2			2	2	1
SYRIA			10	2	1	13	14	13
TANZANIA (S. AFRICA)								9
TUNISIA			2	1		3	2	2
TURKEY	1	5	50	3	23	82	82	82
UGANDA (C. AFRICA)								6
USSR	2	3	3			8	8	9
YEMEN ARAB REPUBLIC				2		2	2	3
YEMEN PEOPLES DEMOCRATIC REPUBLIC			1			1	2	1
ZAIRE (C. AFRICA)								6
ZAMBIA (S. AFRICA)								34
ZIMBABWE								14
APO AND FPO		1	20		1	22	30	30
MEMBERS NOT ASSIGNED TO IEEE SECTIONS	3	77	607	58	251	996	814	793
MEMBERS ASSIGNED TO IEEE SECTIONS	228	1185	9065	856	2171	13506	12956	12080
<u>TOTAL, REGION 8</u>	231	1262	9672	914	2422	14502	13770	12873

## SECTION A

TABLE 7-9A - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE  
DECEMBER 31, 1984

## REGION 9

GEO CODE R C S SS	SECTION/SUBSECTION	H	F	SM	M	A	HIGHER GRADE	S	SUBSECTION	SECTION	
							SUBTOTAL		TOTAL		TOTAL
09 00 01	ARGENTINA										
09 01 27	BAHIA (BC)		3	25	197	25	250	61			311
09 01 15	BRAZILIA (BC)			3	38	1	42	6			48
09 05 23	CENTRAL AMERICA (CAPC)			1	12	5	18	1			19
09 05 23 03	COSTA RICA (CAPC)			12	170	14	196	147			343
09 05 23 05	EL SALVADOR (CAPC)			(3)	(41)	(3)	(47)	(15)	(62)		
09 05 23 01	GUATEMALA (CAPC)			(3)	(32)	(7)	(42)	(27)	(69)		
09 05 23 07	HONDURAS (CAPC)			(5)	(79)	(3)	(87)	(98)	(185)		
09 05 23 09	NICARAGUA (CAPC)			(1)	(5)		(6)		(6)		
09 00 03	CHILE			11	119	31	161	115			276
09 00 05	COLOMBIA			10	194	43	247	284			531
09 00 29	ECUADOR			5	34	22	61	70			131
09 00 33	JAMAICA			7	64	12	83	3			86
09 03 07	MEXICO (MC)		3	38	346	41	428	197			625
09 03 07 03	GUADALAJARA (MC)			(3)	(20)	(4)	(27)	(4)	(31)		
09 03 31	MONTERREY (MC)			4	78	3	85	53			138
09 05 25	PANAMA (CAPC)			9	98	12	119	91			210
09 00 21	PERU			7	156	12	175	90			265
09 00 09	PUERTO RICO & CARIBBEAN		1	35	389	34	459	155			614
09 01 11	RIO DE JANEIRO (BC)		4	33	111	8	156	32			188
09 01 17	SAO PAULO (BC)		1	26	228	21	276	28			304
09 01 17 01	CAMPINAS (BC)			(4)	(26)	(1)	(31)	(1)	(32)		
09 00 19	VENEZUELAN			15	201	18	234	109			343
09 00 99	COUNTRIES OUTSIDE SECTIONS			3	42	5	50	2			52
<u>REGION 9 TOTALS</u>			12	244	2477	307	3040	1444			4484
<u>COUNCIL TOTALS</u>											
09 01	BRAZIL COUNCIL (BC)		5	63	389	35	492	67			559
09 05	CTRL AM PANAMA COUNCIL (CAPC)			21	263	26	315	238			553
09 03	MEXICAN COUNCIL (MC)		3	42	424	44	513	250			763

## SECTION A

TABLE 7-9E - IEEE MEMBERSHIP IN REGION 9 NOT ASSIGNED TO SECTIONS, BY COUNTRY, BY GRADE  
DECEMBER 31, 1984 - 3 YEAR COMPARISON

<u>COUNTRY</u>	<u>F</u>	<u>SM</u>	<u>M</u>	<u>A</u>	<u>S</u>	<u>12/31/84</u> <u>TOTAL</u>	<u>12/31/83</u> <u>TOTAL</u>	<u>12/31/82</u> <u>TOTAL</u>
BELIZE			1			1	1	1
BOLIVIA			8			8	9	
EL SALVADOR		1				1		
GUYANA		1	5	1		7	6	8
HAITI, TRINIDAD & TOBAGO							1	
PARAGUAY		1	4	1		6	5	4
SURINAM			2			2	5	5
URUGUAY			12	3	2	17	20	20
MARTINIQUE			1			1		
APO AND FPO			9			9	6	5
MEMBERS NOT ASSIGNED TO IEEE SECTIONS		3	42	5	2	52	53	43
MEMBERS ASSIGNED TO IEEE SECTIONS	12	241	2435	302	1442	4432	4447	5361
<u>TOTAL, REGION 9</u>	12	244	2477	307	1444	4484	4500	5404

## SECTION A

TABLE 7-10A - IEEE MEMBERSHIP BY REGION, SECTION, SUBSECTION AND COUNCIL, BY GRADE  
DECEMBER 31, 1984

## REGION 10

GEO CODE R C S SS	SECTION/SUBSECTION	H	F	SM	M	A	HIGHER GRADE	S	SUBSECTION TOTAL	SECTION TOTAL
							SUBTOTAL			
10 00 09	AUSTRALIAN		5	77	954	44	1080	183		1263
10 01 19	BANGALORE (AIC)			39	170	31	240	135		375
10 00 51	BELJING			56	55	3	114	3		117
10 01 21	BOMBAY (AIC)		4	74	249	49	376	187		563
10 01 37	CALCUTTA (AIC)		1	40	164	13	218	105		323
10 01 37 01	KHARAGPUR (AIC)			(8)	(44)	(3)	(55)	(43)	(98)	
10 01 23	DELHI (AIC)	1	1	74	182	18	276	151		427
10 01 23 03	UTTAR PRADESH (AIC)			(10)	(37)	(3)	(50)	(61)	(111)	
10 00 07	HONG KONG		1	29	1346	86	1462	171		1633
10 01 49	HYDERABAD (AIC)			14	112	5	131	134		265
10 00 41	KAKACHI			3	79	4	86	37		123
10 01 45	KERALA (AIC)			13	150	18	181	129		310
10 00 17	KOREA		2	11	369	18	400	616		1016
10 01 33	MADRAS (AIC)		1	38	475	27	541	548		1089
10 03 01	NEW ZEALAND NORTH (NZC)			9	80	9	98	12		110
10 03 39	NEW ZEALAND SOUTH (NZC)		1	7	129	1	138	47		185
10 00 03	PAKISTAN			27	143	11	181	20		201
10 00 15	REPUBLIC OF THE PHILIPPINES			3	78	7	88	33		121
10 00 25	SINGAPORE			13	730	45	788	365		1153
10 00 11	TAIPEI		1	13	347	88	449	103		552
10 00 29	THAILAND			9	88	8	105	20		125
10 00 13	TOKYO		132	324	3183	153	3792	204		3996
10 00 43	VICTORIAN		1	24	484	21	530	65		595
10 00 47	WESTERN AUSTRALIA			5	52	16	73	11		84
10 00 99	COUNTRIES OUTSIDE SECTIONS			20	425	35	480	34		514
	<u>REGION 10 TOTALS</u>	1	150	922	10044	710	11827	3313		15140
	<u>COUNCIL TOTALS</u>									
10 01	ALL INDIA COUNCIL (AIC)	1	7	292	1502	161	1963	1389		3352
10 03	NEW ZEALAND COUNCIL (NZC)		1	16	209	10	236	59		295

## SECTION A

TABLE 7-10B - IEEE MEMBERSHIP IN REGION 10 NOT ASSIGNED TO SECTIONS, BY COUNTRY, BY GRADE  
 DECEMBER 31, 1984 - 3 YEAR COMPARISON

COUNTRY	F	SM	M	A	S	12/31/84 TOTAL	12/31/83 TOTAL	12/31/82 TOTAL
BANGLADESH		3	12			15	9	10
BORNEO/KALAMNTN/BRUNEI/SABAH/SARAWK BJFMA		1	13		1	15	10	10
CHINA, PEOPLES REPUBLIC OF							36	29
FIJI ISLANDS			8			8	10	9
GILBERT ISLANDS			1			1	1	1
GUAM		1	9	1		11	10	9
INDIA					1	1		
INDONESIA		3	57	10	3	73	63	51
MALAGASY REPUBLIC								1
MALAYSIA		3	242	15	26	286	203	
MAURITIUS			2	2		4	5	6
NEPAL		1	3		2	6	3	5
SAIPAN/MARIANA ISLANDS					1	1		
SRI LENKA (CEYLON)		5	30	1	1	37	44	20
VIETNAM, NORTH & SOUTH		1				1	1	1
WESTERN SAMOA							1	1
APO AND FPO		2	48	5		55	68	72
MEMBERS NOT ASSIGNED TO IEEE SECTIONS		20	425	35	34	514	464	226
MEMBERS ASSIGNED TO IEEE SECTIONS	150	902	9619	675	3279	14626	13174	11740
<u>TOTAL, REGION 10</u>	150	922	10044	710	3313	15140	13638	11966

## SECTION B

TABLE 1-IEEE STUDENT BRANCHES AND STUDENT BRANCH MEMBERSHIP  
DECEMBER 31, 1984

## REGION 1

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
BINGHAMTON	*BROOME COMMUNITY COLLEGE	16
BINGHAMTON	NEW YORK STATE UNIV OF-BINGHAMTON (C)	54
BOSTON	BOSTON UNIV (EMB)	159
BOSTON	*FRANKLIN INST OF BOSTON	41
BOSTON	LOWELL UNIV OF	162
BOSTON	MASSACHUSETTS INST OF TECHNOLOGY	329
BOSTON	MERRIMACK COLLEGE	9
BOSTON	NORTHEASTERN UNIV	280
BOSTON	TUFTS UNIV	96
BOSTON	*WENTWORTH INST OF TECHNOLOGY	71
BUFFALO	NEW YORK STATE UNIV OF COLLEGE-BUFFALO	69
BUFFALO	NEW YORK STATE UNIV OF-BUFFALO (C)	169
BUFFALO	*SUNY-ALFRED STATE COLLEGE	27
CONNECTICUT	*BRIDGEPORT ENGINEERING INST	26
CONNECTICUT	BRIDGEPORT UNIV OF	46
CONNECTICUT	CONNECTICUT UNIV OF	60
CONNECTICUT	*GREATER NEW HAVEN STATE TECH COLLEGE	32
CONNECTICUT	*HARTFORD STATE TECHNICAL COLLEGE	67
CONNECTICUT	HARTFORD UNIV OF	58
CONNECTICUT	NEW HAVEN UNIV OF	55
CONNECTICUT	TRINITY COLLEGE	16
CONNECTICUT	U S COAST GUARD ACADEMY	34
CONNECTICUT	*WARD TECHNICAL COLLEGE	33
CONNECTICUT	WATERBURY STATE TECHNICAL COLLEGE	40
ITHACA	CORNELL UNIV	237
LONG ISLAND	HOPSTRA UNIV	42
LONG ISLAND	*NEW YORK STATE UNIV OF-FARMINGDALE	39
LONG ISLAND	NEW YORK STATE UNIV OF-STONY BROOK	147
LONG ISLAND	POLYTECHNIC INST OF NEW YORK L I CENTER	34
MAINE	MAINE UNIV OF	92
MID-HUDSON	*DUTCHESS COMMUNITY COLLEGE	23
MID-HUDSON	U S MILITARY ACADEMY (C)	30
MOHAWK VALLEY	CLARKSON COLLEGE OF TECHNOLOGY	51
MOHAWK VALLEY	*NEW YORK A AND T COLLEGE-CANTON	17
MOHAWK VALLEY	NEW YORK STATE UNIV OF-UTICA	47
NEW HAMPSHIRE	*HESSER COLLEGE	24
NEW HAMPSHIRE	*NEW HAMPSHIRE TECHNICAL INST	23
NEW HAMPSHIRE	NEW HAMPSHIRE UNIV OF	50
NEW JERSEY COAST	MONMOUTH COLLEGE	23
NEW JERSEY COAST	*UNION TECHNICAL INST	42
NEW YORK	*AERONAUTICS ACADEMY OF (C)	16
NEW YORK	*BRAMSON ORT TECHNICAL INST	3
NEW YORK	*BRONX COMMUNITY COLLEGE-DAY DIVISION	18
NEW YORK	COLUMBIA UNIV (C)	172
NEW YORK	COOPER UNION	76
NEW YORK	MANHATTAN COLLEGE	113
NEW YORK	NEW YORK CITY COLLEGE OF	258
NEW YORK	*NEW YORK CITY TECHNICAL COLLEGE	62
NEW YORK	NEW YORK INST OF TECHNOLOGY	61
NEW YORK	NEW YORK STATE UNIV OF-MARITIME COLLEGE	36
NEW YORK	POLYTECHNIC INST OF NEW YORK (C)	248

\* IEEE LESS THAN FOUR YEAR STUDENT BRANCH.

SECTION BREGION 1

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
NEW YORK	PRATT INST	101
NEW YORK	QUEENS COLLEGE-NEW YORK	9
NEW YORK	*QUEENSBOROUGH COMMUNITY COLLEGE (C)	29
NEW YORK	STATEN ISLAND COLLEGE OF-ST GEORGE CAMPUS	29
NEW YORK	*STATEN ISLAND COLLEGE OF-SUNNYSIDE CAMPUS	11
NEW YORK	*TECHNICAL CARFER INSTS (C)	305
NEW YORK	*WESTCHESTER COMMUNITY COLLEGE	56
NORTH JERSEY	FAIRLEIGH DICKINSON UNIV-DAY DIVISION	108
NORTH JERSEY	*MORRIS COUNTY COLLEGE OF	14
NORTH JERSEY	NEW JERSEY INST OF TECHNOLOGY	193
NORTH JERSEY	STEVENS INST OF TECHNOLOGY	110
NORTH JERSEY	*UNION COUNTY COLLEGE	15
PRINCETON	*DEVRY TECHNICAL INSTITUTE-WOODBRIDGE	49
PRINCETON	*MIDDLESEX COUNTY COLLEGE	27
PRINCETON	PRINCETON UNIV	50
PRINCETON	RUTGERS UNIV	396
PRINCETON	TRENTON STATE COLLEGE	101
PROVIDENCE	BROWN UNIV	35
PROVIDENCE	RHODE ISLAND UNIV OF	55
PROVIDENCE	ROGER WILLIAMS COLLEGE	24
PROVIDENCE	SOUTHEASTERN MASSACHUSETTS UNIV (C)	105
ROCHESTER	ROCHESTER INST OF TECH-BRANCH A (C)	194
ROCHESTER	ROCHESTER INST OF TECH-BRANCH B (C)	50
ROCHESTER	ROCHESTER UNIV OF	60
SCHENECTADY	*HUDSON VALLEY COMMUNITY COLLEGE	0
SCHENECTADY	RENSSELAER POLYTECHNIC INST	259
SCHENECTADY	UNION COLLEGE	63
SPRINGFIELD	MASSACHUSETTS UNIV OF (C)	237
SPRINGFIELD	WESTERN NEW ENGLAND COLLEGE	61
SYRACUSE	SYRACUSE UNIV (C, EMB)	156
VERMONT	NORWICH UNIV	69
VERMONT	*VERMONT TECHNICAL COLLEGE	25
VERMONT	VERMONT UNIV OF	60
WORCESTER COUNTY	CENTRAL NEW ENGLAND COLLEGE	11
WORCESTER COUNTY	WORCESTER POLYTECHNIC INST	150

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 CAS-CIRCUITS AND SYSTEMS, COM-COMMUNICATIONS, C-COMPUTER,  
 CS-CONTROL SYSTEMS, ED-ELECTRON DEVICES, EMB-ENGINEERING IN  
 MEDICINE AND BIOLOGY, IA-INDUSTRY APPLICATIONS, IT-INFORMATION  
 THEORY, IM-INSTRUMENTATION AND MEASUREMENT, PE-POWER ENGINEERING.

## SECTION B

## REGION 2

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
AKRON	AKRON UNIV OF	124
BALTIMORE	*ANNE ARUNDEL COMMUNITY COLLEGE	11
BALTIMORE	JOHNS HOPKINS UNIV	116
BALTIMORE	LOYOLA COLLEGE	15
BALTIMORE	U S NAVAL ACADEMY	21
CENTRAL PENNSYLVANIA	BUCKNELL UNIV	51
CENTRAL PENNSYLVANIA	PENNSYLVANIA STATE UNIV	412
CINCINNATI	CINCINNATI UNIV OF	104
CLEVELAND	CASE WESTERN RESERVE UNIV	163
CLEVELAND	CLEVELAND STATE UNIV	45
COLUMBUS	*DEVRY INST OF TECHNOLOGY-COLUMBUS	149
COLUMBUS	*FRANKLIN UNIV	1
COLUMBUS	OHIO STATE UNIV (C)	277
COLUMBUS	OHIO UNIV (C)	50
DAYTON	DAYTON UNIV OF	63
DAYTON	*DAYTON UNIV CF-TECHNICAL INST	16
DAYTON	*SINCLAIR COLLEGE	41
DAYTON	U S AIR FORCE INST OF TECHNOLOGY	13
DAYTON	WRIGHT STATE UNIV (C)	32
DELAWARE BAY	DELAWARE UNIV OF	65
ERIE	GANNON UNIV	36
JOHNSTOWN	PITTSBURGH UNIV OF-JOHNSTOWN	54
LEHIGH VALLEY	LAFAYETTE COLLEGE	44
LEHIGH VALLEY	LEHIGH UNIV	185
LEHIGH VALLEY	WILKES COLLEGE	45
LIMA	OHIO NORTHERN UNIV	153
NORTHERN VIRGINIA	GEORGE MASON UNIV	120
PHILADELPHIA	DREXEL UNIV-DAY DIVISION (C)	279
PHILADELPHIA	DREXEL UNIV-EVENING COLLEGE	54
PHILADELPHIA	PENNSYLVANIA UNIV OF (C)	132
PHILADELPHIA	SPRING GARDEN COLLEGE	24
PHILADELPHIA	SWARTHMORE COLLEGE	18
PHILADELPHIA	TEMPLE UNIV-COLLEGE OF ENG TECHNOLOGY	144
PHILADELPHIA	VILLANOVA UNIV OF	102
PHILADELPHIA	WIDNER COLLEGE	56
PITTSBURGH	CARNEGIE MELLON UNIV	235
PITTSBURGH	*PENNSYLVANIA STATE UNIV-MCKEESPORT	12
PITTSBURGH	PITTSBURGH UNIV OF	201
PITTSBURGH	STUBENVILLE COLLEGE OF	20
PITTSBURGH	WEST VIRGINIA UNIV (C)	115
SHARON	GROVE CITY COLLEGE	34
SHARON	YOUNGSTOWN STATE UNIV	43
SUSQUEHANNA	PENNSYLVANIA STATE UNIV-CAPITOL	46
SUSQUEHANNA	*PENNSYLVANIA STATE UNIV-YORK	14
WASHINGTON	CAPITOL INST OF TECHNOLOGY	50
WASHINGTON	CATHOLIC UNIV OF AMERICA	40
WASHINGTON	*DISTRICT OF COLUMBIA UNIV OF THE	111
WASHINGTON	GEORGE WASHINGTON UNIV (C)	187
WASHINGTON	HOWARD UNIV	41
WASHINGTON	MARYLAND UNIV OF	390
WEST VIRGINIA	WEST VIRGINIA INST OF TECHNOLOGY	56

\* IEEE LESS THAN FOUR YEAR STUDENT BRANCH.



## SECTION B

## REGION 3

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
ALABAMA	ALABAMA UNIV OF (C)	92
ALABAMA	ALABAMA UNIV OF-BIRMINGHAM	60
ALABAMA	AUBURN UNIV (C)	263
ALABAMA	TUSKEGEE INST	45
ATLANTA	*DEKALB COMMUNITY COLLEGE	29
ATLANTA	*DEVRY INST OF TECHNOLOGY-ATLANTA	17
ATLANTA	GEORGIA INST OF TECHNOLOGY (C, EMB, P)	488
ATLANTA	SOUTHERN TECHNICAL INST	69
BATON ROUGE	LOUISIANA STATE UNIV-BATON ROUGE (C)	140
BATON ROUGE	SOUTHERN UNIV	56
CANAVERAL	FLORIDA INST OF TECHNOLOGY (C)	110
CENTRAL NORTH CAROLINA	NORTH CAROLINA A AND T STATE UNIV	89
CENTRAL VIRGINIA	VIRGINIA UNIV OF	196
CHARLOTTE	*CENTRAL PIEDMONT COMMUNITY COLLEGE	26
CHARLOTTE	*GASTON COLLEGE	17
CHARLOTTE	NORTH CAROLINA UNIV OF-CHARLOTTE	119
CHATTANOOGA	*CHATTANOOGA STATE TECHNICAL INST	50
CHATTANOOGA	TENNESSEE UNIV OF-CHATTANOOGA	21
COASTAL SOUTH CAROLINA	CITADEL THE	54
COASTAL SOUTH CAROLINA	*FLORENCE-DARLINGTON TECHNICAL COLLEGE	35
COLUMBIA	SOUTH CAROLINA UNIV OF	116
EAST TENNESSEE	TENNESSEE UNIV OF (C)	198
EASTERN NORTH CAROLINA	DUKE UNIV	81
EASTERN NORTH CAROLINA	*FAYETTEVILLE TECHNICAL INST	11
EASTERN NORTH CAROLINA	NORTH CAROLINA STATE UNIV (C)	410
EASTERN NORTH CAROLINA	NORTH CAROLINA UNIV OF-CHAPEL HILL	42
EASTERN NORTH CAROLINA	*WAKE TECHNICAL COLLEGE	24
EVANSVILLE-OWENSBORO	EVANSVILLE UNIV OF	51
EVANSVILLE-OWENSBORO	INDIANA STATE UNIV	11
EVANSVILLE-OWENSBORO	MURRAY STATE UNIV	27
FLORIDA WEST COAST	SOUTH FLORIDA UNIV OF (C)	236
GAINESVILLE	FLORIDA UNIV OF (C)	254
HAMPTON ROADS	OLD DOMINION UNIV	108
HAMPTON ROADS	*TIDEWATER COMMUNITY COLLEGE	3
HUNTSVILLE	ALABAMA UNIV OF-HUNTSVILLE	79
LEXINGTON	KENTUCKY UNIV OF	66
LOUISVILLE	LOUISVILLE UNIV OF	216
LOUISVILLE	WESTERN KENTUCKY UNIV	22
MEMPHIS	CHRISTIAN BROTHERS COLLEGE	43
MEMPHIS	MEMPHIS STATE UNIV (C)	112
MEMPHIS	*STATE TECHNICAL INST-MEMPHIS	29
MEMPHIS	TENNESSEE UNIV OF-MARTIN	14
MIAMI	FLORIDA INTERNATIONAL UNIV	33
MIAMI	MIAMI UNIV OF (C)	77
MISSISSIPPI	MISSISSIPPI STATE UNIV (EMB, P)	162
MISSISSIPPI	MISSISSIPPI UNIV OF	52
MISSISSIPPI	SOUTHERN MISSISSIPPI UNIV OF	51
MOBILE	SOUTH ALABAMA UNIV OF	60
NASHVILLE	TENNESSEE STATE UNIV	45
NASHVILLE	TENNESSEE TECHNOLOGICAL UNIV (C)	260
NASHVILLE	VANDERBILT UNIV	191

\* IEEE LESS THAN FOUR YEAR STUDENT BRANCH.

SECTION BREGION 3

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERS</u>
NEW ORLEANS	NEW ORLEANS UNIV OF	34
NEW ORLEANS	TULANE UNIV (C)	47
ORLANDO	CENTRAL FLORIDA UNIV OF (C)	101
PALM BEACH	FLORIDA ATLANTIC UNIV	61
PIEDMONT	CLEMSON UNIV (C)	245
PIEDMONT	*GREENVILLE TECH COLLEGE	0
SAVANNAH	GEORGIA SOUTHERN COLLEGE	27
SAVANNAH	SAVANNAH STATE COLLEGE	6
TALLAHASSEE AREA	FLORIDA A AND M UNIV	16
TALLAHASSEE AREA	FLORIDA STATE UNIV	54
TRI-CITIES	*TRI-CITIES SECTION STUDENT BRANCH	25
VIRGINIA MOUNTAIN	VIRGINIA MILITARY INST	59
VIRGINIA MOUNTAIN	VIRGINIA POLYTECHNIC INST (C)	390
VIRGINIA MOUNTAIN	*VIRGINIA WESTERN COMMUNITY COLLEGE	12

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THEORY, IM-INSTRUMENTATION AND MEASUREMENT, PE-POWER ENGINEERING.

## SECTION B

## REGION 4

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
ARROWHEAD	MINNESOTA UNIV OF-DULUTH	54
CALUMET	PURDUE UNIV-CALUMET	50
CALUMET	*VALPARAISO TECHNICAL INST	27
CALUMET	VALPARAISO UNIV	69
CEDAR RAPIDS	IOWA UNIV OF	82
CENTRAL ILLINOIS	ILLINOIS UNIV OF-URBANA (C)	544
CENTRAL INDIANA	PURDUE UNIV-INDIANAPOLIS	71
CENTRAL INDIANA	PURDUE UNIV-W LAFAYETTE (C)	401
CENTRAL INDIANA	ROSE-HULMAN INST OF TECHNOLOGY	91
CENTRAL IOWA	IOWA STATE UNIV (C)	368
CHICAGO	DEVRY INST OF TECHNOLOGY-CHICAGO	246
CHICAGO	ILLINOIS INST OF TECHNOLOGY (C)	142
CHICAGO	ILLINOIS UNIV OF-CHICAGO CIRCLE (EMB)	133
CHICAGO	NORTHWESTERN UNIV (C)	109
FORT WAYNE	INDIANA INST OF TECHNOLOGY	23
FORT WAYNE	PURDUE UNIV-FORT WAYNE	6
FORT WAYNE	TRI-STATE UNIV (C)	15
ILLINOIS VALLEY	BRADLEY UNIV	69
MADISON	*WAUKESHA COUNTY TECHNICAL INST	25
MADISON	WISCONSIN UNIV OF-MADISON (C)	301
MADISON	WISCONSIN UNIV OF-PLATTFVILLE	49
MICHIANA	NOTRE DAME UNIV OF	88
MILWAUKEE	*GATEWAY TECHNICAL INST	0
MILWAUKEE	MARQUETTE UNIV	221
MILWAUKEE	MILWAUKEE SCHOOL OF ENGINEERING	157
MILWAUKEE	WISCONSIN UNIV OF-MILWAUKEE (C)	118
NEBRASKA	*GATEWAY ELECTRONICS INST (C)	38
NEBRASKA	NEBRASKA UNIV OF-LINCOLN	53
NEBRASKA	*NEBRASKA UNIV OF-OMAHA	39
NORTHEAST MICHIGAN	GMI ENGINEERING AND MANAGEMENT INST	38
NORTHEASTERN WISCONSIN	*LAKE SUPERIOR STATE COLLEGE	20
NORTHEASTERN WISCONSIN	MICHIGAN TECHNOLOGICAL UNIV (C,P)	208
ROCK RIVER VALLEY	NORTHERN ILLINOIS UNIV	24
SIOUXLAND	SOUTH DAKOTA STATE UNIV	49
SOUTHEASTERN MICHIGAN	DETROIT UNIV OF (C)	35
SOUTHEASTERN MICHIGAN	LAWRENCE INST OF TECHNOLOGY (C)	187
SOUTHEASTERN MICHIGAN	MICHIGAN STATE UNIV	185
SOUTHEASTERN MICHIGAN	MICHIGAN UNIV OF DEARBORN	66
SOUTHEASTERN MICHIGAN	MICHIGAN UNIV OF-ANN ARBOR	293
SOUTHEASTERN MICHIGAN	OAKLAND UNIV	30
SOUTHEASTERN MICHIGAN	*ST CLAIR COLLEGE OF TECH	20
SOUTHEASTERN MICHIGAN	WAYNE STATE UNIV (C)	108
SOUTHEASTERN MICHIGAN	WINDSOR UNIV OF	86
TOLEDO	TOLEDO UNIV OF	178
TOLEDO	*TOLEDO UNIV OF-COMMUNITY AND TECH COLLEGE	43
TWIN CITIES	MINNESOTA UNIV OF	280
TWIN CITIES	NORTH DAKOTA STATE UNIV (C)	134
TWIN CITIES	NORTH DAKOTA UNIV OF	48
TWIN CITIES	*WISCONSIN UNIV OF-STOUT (C)	33
WEST MICHIGAN	WESTERN MICHIGAN UNIV (C)	77

\* IEEE LESS THAN FOUR YEAR STUDENT BRANCH.

## SECTION B

## REGION 5

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
ARKANSAS	*ARKANSAS COLLEGE OF TECHNOLOGY	7
ARKANSAS	*ARKANSAS STATE UNIV	12
ARKANSAS	ARKANSAS UNIV OF-LITTLE ROCK	20
BEAUMONT	LAMAR UNIV	52
BEAUMONT	MCNEESE STATE UNIV	11
CENTRAL TEXAS	TEXAS UNIV OF-AUSTIN (C)	491
CENTRAL TEXAS	TRINITY UNIV	11
CORPUS CHRISTI	*DEL MAR COLLEGE	57
CORPUS CHRISTI	TEXAS A AND I UNIV	43
DALLAS	DEVRY INST OF TECHNOLOGY -IRVING	56
DALLAS	EAST TEXAS STATE UNIV (C)	25
DALLAS	SOUTHERN METHODIST UNIV	92
DENVER	COLORADO STATE UNIV (C)	117
DENVER	COLORADO UNIV OF-BOULDER	180
DENVER	COLORADO UNIV OF-DENVER	114
DENVER	METROPOLITAN STATE COLLEGE	103
DENVER	SOUTH DAKOTA SCHOOL OF MINES AND TECH	90
DENVER	WYOMING UNIV OF	58
EL PASO	NEW MEXICO STATE UNIV	119
EL PASO	TEXAS UNIV OF-EL PASO	65
FORT WORTH	TEXAS CHRISTIAN UNIV (C)	32
FORT WORTH	TEXAS UNIV OF-ARLINGTON (C)	167
HOUSTON	HOUSTON UNIV OF-CLEAR LAKE	49
HOUSTON	HOUSTON UNIV OF-COLLEGE OF ENG	202
HOUSTON	HOUSTON UNIV OF-COLLEGE CF TECH	50
HOUSTON	PRAIRIE VIEW A AND M UNIV	40
HOUSTON	RICE UNIV (C)	91
HOUSTON	TEXAS A AND M UNIV (C,IA)	609
KANSAS CITY	CENTRAL MISSOURI STATE UNIV	22
KANSAS CITY	*DEVRY INST OF TECHNOLOGY-KANSAS CITY	14
KANSAS CITY	KANSAS STATE UNIV	225
KANSAS CITY	KANSAS UNIV OF	128
KANSAS CITY	MISSOURI UNIV OF-KANSAS CITY	37
KANSAS CITY	SOUTHWEST MISSOURI STATE COLLEGE	31
LAFAYETTE	SOUTHWESTERN LOUISIANA UNIV OF (C)	147
OKLAHOMA CITY	OKLAHOMA UNIV OF	91
OZARK	ARKANSAS UNIV OF	43
PIKES PEAK	COLORADO UNIV OF-COLORADO SPRINGS	107
PIKES PEAK	SOUTHERN COLCRADO UNIV OF	40
PIKES PEAK	U S AIR FORCE ACADEMY	34
SAINT LOUIS	MISSOURI UNIV OF-COLUMBIA (C)	295
SAINT LOUIS	MISSOURI UNIV OF-ROLLA (C)	504
SAINT LOUIS	SOUTHERN ILLINOIS UNIV	61
SAINT LOUIS	SOUTHERN ILLINOIS UNIV-EDWARDSVILLE	32
SAINT LOUIS	WASHINGTON UNIV	96
SHREVEPORT	LETOURNEAU COLLEGE	47
SHREVEPORT	LOUISIANA TECHNOLOGICAL UNIV	110
SHREVEPORT	NORTHWESTERN STATE UNIV OF LOUISIANA	16
SOUTH PLAINS	TEXAS TECHNOLOGICAL UNIV	124
TULSA	OKLAHOMA STATE UNIV (C)	136
TULSA	OKLAHOMA STATE UNIV-BRANCH B	18

\* IEEE LESS THAN FOUR YEAR STUDENT BRANCH.

SECTION B

REGION 5

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
TULSA	TULSA UNIV OF	21
WICHITA	WICHITA STATE UNIV	41

\* 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, IA-INDUSTRY APPLICATIONS, IT-INFORMATION  
THEORY, IM-INSTRUMENTATION AND MEASUREMENT, PE-POWER ENGINEERING.

## SECTION B

## REGION 6

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
ALASKA	ALASKA UNIV OF	25
ALBUQUERQUE	NEW MEXICO UNIV OF (C)	129
FOOTHILL	CALIFORNIA POLYTECHNIC STATE UNIV (C)	88
FOOTHILL	HARVEY MUDD COLLEGE	32
HAWAII	HAWAII UNIV OF	30
IDAHO	IDAHO UNIV OF	94
METRO LOS ANGELES	CALIFORNIA STATE UNIV-LOS ANGELES	239
METRO LOS ANGELES	NORTHROP INST OF TECHNOLOGY	62
METRO LOS ANGELES	SOUTHERN CALIFORNIA UNIV OF	273
MONTANA	MONTANA STATE UNIV	106
OAKLAND-EAST BAY	CALIFORNIA STATE UNIV-FRESNO	76
OAKLAND-EAST BAY	CALIFORNIA UNIV OF-BERKELEY	344
ORANGE COUNTY	CALIFORNIA STATE UNIV-FULLERTON	64
ORANGE COUNTY	CALIFORNIA UNIV OF-IRVINE	152
PHOENIX	ARIZONA STATE UNIV (C)	266
PHOENIX	DEVRY INST OF TECHNOLOGY-PHOENIX	165
PHOENIX	NORTHERN ARIZONA UNIV	30
PORTLAND	*OREGON INST OF TECHNOLOGY	34
PORTLAND	OREGON STATE UNIV	106
PORTLAND	PORTLAND STATE UNIV	80
PORTLAND	PORTLAND UNIV OF	56
RICHLAND	*WALLA WALLA COLLEGE	24
RICHLAND	WASHINGTON STATE UNIV-RICHLAND	21
SACRAMENTO	CALIFORNIA STATE UNIV-CHICO	159
SACRAMENTO	CALIFORNIA STATE UNIV-SACRAMENTO (C)	253
SACRAMENTO	CALIFORNIA UNIV OF-DAVIS	159
SACRAMENTO	NEVADA UNIV OF	59
SACRAMENTO	PACIFIC UNIV OF THE (C)	98
SAN DIEGO	CALIFORNIA UNIV OF-SAN DIEGO (C)	97
SAN DIEGO	SAN DIEGO STATE UNIV	78
SAN FERNANDO VALLEY	CALIFORNIA STATE UNIV-NORTHRIDGE	126
SAN FERNANDO VALLEY	*LOS ANGELES PIERCE COLLEGE	49
SAN FRANCISCO	*COGSWELL POLYTECHNICAL COLLEGE	16
SAN FRANCISCO	SAN FRANCISCO STATE UNIV	29
SANTA BARBARA	CALIFORNIA POLY STATE UNIV-SAN LUIS (P)	86
SANTA BARBARA	CALIFORNIA UNIV OF-SANTA BARBARA (C)	240
SANTA CLARA VALLEY	*FOOTHILL COLLEGE	9
SANTA CLARA VALLEY	SAN JOSE STATE UNIV	131
SANTA CLARA VALLEY	SANTA CLARA UNIV OF (C)	138
SANTA CLARA VALLEY	STANFORD UNIV (C)	373
SANTA CLARA VALLEY	U S NAVAL POSTGRADUATE SCHOOL	65
SANTA MONICA BAY	CALIFORNIA UNIV OF-LOS ANGELES	254
SANTA MONICA BAY	LOYOLA MARYMOUNT UNIV	27
SEATTLE	SEATTLE UNIV	32
SEATTLE	WASHINGTON UNIV OF (C)	214
SOUTH BAY HARBOR	CALIFORNIA STATE UNIV-LONG BEACH (C)	107
SPOKANE	GONZAGA UNIV	29
SPOKANE	WASHINGTON STATE UNIV-PULLMAN (C)	110
TUCSON	ARIZONA UNIV OF	158
UTAH	BRIGHAM YOUNG UNIV	122
UTAH	BRIGHAM YOUNG UNIV-BRANCH B	42

\* IEEE LESS THAN FOUR YEAR STUDENT BRANCH.

SECTION B

REGION 6

SECTION

SCHOOL

MEMBERSHIP

UTAH  
UTAH

UTAH STATE UNIV  
UTAH UNIV OF (C)

47  
107

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## SECTION B

## REGION 7

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
BAY OF QUINTE	QUEENS'S UNIV (C)	131
BAY OF QUINTE	ROYAL MILITARY COLLEGE OF CANADA	30
BAY OF QUINTE	*SAINT LAWRENCE COLLEGE OF APPLIED A AND T	2
CANADIAN ATLANTIC	NOVA SCOTIA TECHNICAL UNIV OF	99
HAMILTON	MCMASTER UNIV (C)	109
HAMILTON	*MOHAWK COLLEGE OF APPLIED A AND T	17
HAMILTON	*NIAGARA COLLEGE (C)	76
KITCHENER-WATERLOO	*CONESTOGA COLLEGE OF APPLIED A AND T	3
KITCHENER-WATERLOO	WATERLOO U CF-STREAM A (C COM CS IT)	119
KITCHENER-WATERLOO	WATERLOO UNIV OF-STREAM E	60
LONDON	*FANSHAW COLLEGE	9
LONDON	*SAULT COLLEGE OF APPLIED A AND T	24
LONDON	WESTERN ONTARIO UNIV OF	89
MONTREAL	CONCORDIA UNIV	220
MONTREAL	ECOLE DE TECHNOLOGIE SUPERIEURE	13
MONTREAL	ECOLE POLYTECHNIQUE-UNIV OF MONTREAL	176
MONTREAL	MCGILL UNIV (C)	201
NEW BRUNSWICK	NEW BRUNSWICK UNIV OF	123
NEWFOUNDLAND-LABRADOR	NEWFOUNDLAND MEMORIAL UNIV OF	69
NORTHERN CANADA	ALBERTA UNIV OF (C)	64
OTTAWA	*ALGONQUIN COLLEGE OF APPLIED A AND T	24
OTTAWA	CARLETON UNIV	136
OTTAWA	OTTAWA UNIV OF	51
QUEBEC	COLLEGE MILITAIRE ROYAL-ST JEAN	7
QUEBEC	LAVAL UNIV	63
SAINT MAURICE	QUEBEC UNIV OF-TROIS RIVIERES	10
SASKATCHEWAN	REGINA UNIV OF	50
SASKATCHEWAN	*SASKATCHEWAN TECHNICAL INST	12
SASKATCHEWAN	SASKATCHEWAN UNIV CF	141
SOUTHERN ALBERTA	CALGARY UNIV OF	89
SOUTHERN ALBERTA	*SOUTHERN ALBERTA INST OF TECHNOLOGY	5
TORONTO	CENTENNIAL COLLEGE OF APPLIED A AND T	19
TORONTO	*NORTHERN COLLEGE OF APPLIED A AND T	17
TORONTO	*RADIO COLLEGE OF CANADA	49
TORONTO	*RYERSON POLYTECHNIC INST	146
TORONTO	*SENECA COLLEGE OF APPLIED A AND T	65
TORONTO	TORONTO UNIV CF	173
VANCOUVER	*BRITISH COLUMBIA INST OF TECHNOLOGY	1
VANCOUVER	BRITISH COLUMBIA UNIV OF (C)	164
VICTORIA	VICTORIA UNIV OF	35
WINNIPEG	LAKEHEAD U	43
WINNIPEG	MANITOBA UNIV OF (C)	258
WINNIPEG	*RED RIVER COMMUNITY COLLEGE	30

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 THEORY, IM-INSTRUMENTATION AND MEASUREMENT, PE-POWER ENGINEERING.



## SECTION B

## REGION 8

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
	KUWAIT UNIV	187
BENELUX	CATHOLIC U OF LOUVAIN	108
BENELUX	DELFT UNIV OF TECHNOLOGY	33
BENELUX	EINDHOVEN INST OF TECHNOLOGY	25
BENELUX	KATHOLIEKE UNIV TE LEUVEN	65
BENELUX	LIEGE UNIV AV SART TILMAN	65
BENELUX	TECHNISCHE HOGESCHOOL TWENTE	4
DENMARK	DENMARK SECTION STUDENT BRANCH	14
EGYPT	CAIRO UNIV OF	11
FINLAND	HELSINKI UNIV OF TECHNOLOGY	64
FINLAND	OULU UNIV OF	33
FINLAND	TAMPERE UNIV OF TECHNOLOGY	12
FRANCE	ECOLE NATIONAL SUPERIORE TELECOM	4
FRANCE	ECOLE SUPERIORE ING D'ELECTROTECHNIQUE	9
FRANCE	INSTITUT SUP D'ELECTRONIQUE DU NORD	0
FRANCE	INSTITUT SUP ELECTRONIQUE DE PARIS	1
FRANCE	NATIONAL POLYTECHNIC DE GRENOBLE ENSIEG	41
GERMANY	STUTTGART UNIV OF	15
GREECE	ARISTOTELIAN UNIV OF THESSALONIKA	12
GREECE	ATHENS TECHNICAL UNIV OF	33
ISRAEL	BEN GURION UNIV OF THE NEGEV	10
ISRAEL	ISRAEL INST OF TECHNOLOGY	15
ISRAEL	TEL-AVIV UNIV	26
MIDDLE AND SOUTH ITALY	FLORENCE UNIV OF	20
MIDDLE AND SOUTH ITALY	ROME UNIV OF	38
NORTH ITALY	BOLOGNA UNIV OF	31
NORTH ITALY	GENOVA UNIV OF	14
NORTH ITALY	PADOVA UNIV OF	31
NORTH ITALY	POLITECNICO DI MILANO	79
NORTH ITALY	POLITECNICO DI TORINO	28
NORTH ITALY	TRIESTE UNIV OF	24
SPAIN	ESCUELA TEC SUP TELECOM-MADRID (C,EMB)	122
SPAIN	ESCUELA TECH SUP ING TELECOMUNICACION	44
SWEDEN	CHALMERS UNIV OF TECHNICAL	40
SWEDEN	LINKOPING UNIV	15
SWEDEN	LUND INST OF TECHNOLOGY	14
SWEDEN	ROYAL INST OF TECH	9
SWEDEN	UPPSALA UNIV OF	52
SWITZERLAND	ECOLE POLYTECHNIQUES FEDERALES	46
SWITZERLAND	SWISS FEDERAL INST OF TECHNOLOGY (ETH)	134
UKRI SECTION	UKRI SECTION STUDENT BRANCH	115
YUGOSLAV	LJUBLJANA UNIV OF	23

\* IEEE LESS THAN FOUR YEAR STUDENT BRANCH.

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## SECTION B

## REGION 9

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERS</u>
ARGENTINA	BUENOS AIRES INST TECHNOLOGICAL DE	6
ARGENTINA	BUENOS AIRES UNIV OF	42
ARGENTINA	DEL SUR UNIV DE	4
ARGENTINA	TUCUMAN NACIONAL UNIV DE	1
BAHIA	BAHIA FEDERAL UNIV DA	0
CENTRAL AMERICA	CENTROAMERICANA UNIVERSIDAD	4
CENTRAL AMERICA	COSTA RICA UNIV DE	13
CENTRAL AMERICA	SAN CARLOS UNIV DE (GUATEMALA)	102
CHILE	CHILE CATOLICA UNIV DE	26
CHILE	SANTIAGO UNIV DE	21
COLOMBIA	COLOMBIA AUTONOMA UNIV DE	0
COLOMBIA	COLOMBIA UNIV NACIONAL DE	26
COLOMBIA	COLOMBIA UNIV PILOTO DE	39
COLOMBIA	DISTRITAL UNIV FRANCISCO JOSE CALDAS (C)	52
COLOMBIA	LOS ANDES UNIV DE (C,P)	77
COLOMBIA	*PONTIFICIA UNIV JAVERIANA	22
ECUADOR	*ESCUELA POLITECNICA NACIONAL-ECUADOR	46
MEXICO	ESCUELA SUPERIORE ING MECANICA Y ELECTRICA	12
MEXICO	INST TEC DE ESTUDIOS SUP MONTERREY (C)	92
MEXICO	INST TECNOLOGICO REGIONAL CIUDAD JUAREZ	11
MEXICO	INST TECNOLOGICO REGIONAL DE SALTILLO	0
MEXICO	MEXICO NACIONAL AUTONOMA UNIV DE	18
PANAMA	PANAMA UNIV TECNOLOGICA CF	43
PERU	LIMA UNIV NACIONAL DE ING	81
PUERTO RICO & CARRIBEAN	PUERTO RICO UNIV OF	14
RIO DE JANEIRO	FEDERAL FLUMINENSE UNIV DA-ESCOLA ENGEN	5
SAO PAULO	ARMANDO ALVARES PENTEADO FOUNDATION-ENG	1
SAO PAULO	ESCOLA POL UNIV DE SAO PAULO	3
SAO PAULO	ESTADUAL DE CAMPINAS UNIVERSIDADE	12
SAO PAULO	ESTADUAL PAULISTA JULIO DE MESQUITA	0
SAO PAULO	MACKENZIE UNIV	3
SAO PAULO	SAO CARLOS ESCOLA DE ENG OF	3
VENEZUELAN	CARABOBO UNIV DE	58
VENEZUELAN	IUPFAN-INST UNIV POLITEC FUERZAS ARMADAS	16
VENEZUELAN	VENEZUELA CENTRAL UNIV DE	12

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 CS-CONTROL SYSTEMS, ED-ELECTRON DEVICES, EMB-ENGINEERING IN  
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## SECTION B

## REGION 10

<u>SECTION</u>	<u>SCHOOL</u>	<u>MEMBERSHIP</u>
	MORATUWA UNIV OF-SRI LANKA	0
BANGALORE	INDIAN INST OF SCIENCE-BANGALORE (C)	74
BANGALORE	TRIVANDRUM COLLEGE OF ENG	84
BOMBAY	INDIAN INST OF TECHNOLOGY-BOMBAY (C)	61
BOMBAY	REGIONAL ENG COLLEGE-WARANGAL	52
CALCUTTA	INDIAN INST OF TECHNOLOGY-KHARAGPUR	63
CALCUTTA	JADAVPUR UNIV	23
DELHI	BANARUS HINDU UNIV	39
DELHI	DELHI COLLEGE OF ENG	23
DELHI	INDIAN INST OF TECH-DELHI	32
DELHI	INDIAN INST OF TECHNOLOGY-KANPUR	16
HONG KONG	CHINESE UNIV OF HONG KONG	45
HONG KONG	HONG KONG POLYTECHNIC	22
HONG KONG	HONG KONG UNIV OF	93
KARACHI	NED UNIV OF ENG AND TECH	32
KERALA	REGIONAL ENGINEERING COLLEGE-CALICUT	19
KOREA	HANYANG UNIV (CAS, C, CCM, ED)	121
KOREA	KOREA ADVANCED INST OF SCIENCE	174
KOREA	KOREA UNIV	43
KOREA	SEOUL NATIONAL UNIVERSITY	155
KOREA	YONSEI UNIV	39
MADRAS	ALAGAPPA CHETTIAR COLLEGE OF ENG AND TECH	32
MADRAS	ANNAMALAI UNIV	24
MADRAS	COIMBATORE INST OF TECHNOLOGY	49
MADRAS	INDIAN INST OF TECHNOLOGY-MADRAS (C)	43
MADRAS	MADRAS COLLEGE OF ENG (C)	54
MADRAS	MADRAS INST OF TECHNOLOGY (C, IM)	49
MADRAS	MANIPAL INST OF TECHNOLOGY	99
MADRAS	MARUTHI COLLEGE OF ENG	48
MADRAS	PSG COLLEGE OF TECH	43
MADRAS	REGIONAL ENG COLLEGE-TIRUCHIRA (C)	335
PAKISTAN	LAHORE UNIV OF ENG AND TECH	15
PHILIPPINES	PHILIPPINES UNIV OF (C)	34
SINGAPORE	SINGAPORE NATIONAL UNIV OF	132
TOKYO	OSAKA UNIV	12
TOKYO	SHIZUOKA UNIV	20
TOKYO	TOKYO UNIV OF	53

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**TABLE I - 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**

EI-32	Electrical Insulation
IA-34	Industry Applications
IM-09	Instrumentation and Measurement
PEC-35	Power Electronics Council

**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 A\***

COMP-16	Computer
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**Division VI - Engineering and Human Environment**

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

**Division VII - Energy and Power Engineering**

PE-31	Power Engineering
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**Division VIII - Computer B\***

COMP-16	Computer
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**Division IX - Signals and Applications**

ASSP-01	Acoustics, Speech, and Signal Processing
AES-10	Aerospace and Electronic Systems
GRS-29	Geoscience and Remote Sensing
OE-22	Oceanic Engineering
SU-20	Sonics and Ultrasonics

**Division X - Systems and Control**

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

\* The Computer Society is represented by two Divisions. Members and Affiliates with odd membership numbers are in Division V, those with even membership numbers are in Division VIII.

## SECTION C

TABLE 2 - SOCIETY MEMBERSHIP, BY DIVISION, BY SOCIETY, BY GRADE, DECEMBER 31, 1984; 3-YEAR COMPARISON

SOCIETY CODE	F	SM	M	VOTING * MEMBERS SUBTOTAL	A	HIGHER GRADE SUBTOTAL	S	1984 TOTAL MEMBERS	1984 TOTAL AFFILIATES	1984 MEMBERS & AFFILIATES	1983 MEMBERS & AFFILIATES	1982 MEMBERS & AFFILIATES
DIVISION I	647	1,943	16,351	18,941	999	19,940	4,308	24,248	99	24,347	N/A	N/A
CAS -04	275	782	8,117	9,174	604	9,778	2,752	12,530	8	12,538	11,810	11,779
CHMT-21	74	358	2,484	2,916	265	3,181	303	3,484	12	3,496	3,173	3,090
ED -15	360	945	6,668	7,973	331	8,304	1,148	9,452	3	9,455	8,819	8,761
LEO -36	153	388	2,328	2,869	154	3,023	814	3,837	77	3,914	3,615	3,669
DIVISION II	341	2,460	12,439	15,240	914	16,154	1,053	17,207	10	17,217	N/A	N/A
EI -32	84	373	1,118	1,575	118	1,693	71	1,764	7	1,771	1,829	1,857
IA -34	177	1,783	8,387	10,347	520	10,867	611	11,478	1	11,479	11,369	11,386
IM -09	141	532	4,027	4,700	409	5,109	488	5,597	2	5,599	5,461	5,408
DIVISION III	533	2,386	19,693	22,612	1,660	24,272	4,174	28,446	81	28,527	N/A	N/A
** BT -02	94	315	2,015	2,424	378	2,802	292	3,094	2	3,096	3,249	7,689
** CE -08	103	457	4,346	4,906	527	5,433	794	6,227	4	6,231	6,222	—
COMM-19	421	1,810	14,978	17,209	1,025	18,234	3,299	21,533	73	21,606	18,690	17,211
VT -06	78	329	1,658	2,065	211	2,276	174	2,450	4	2,454	2,405	2,470
DIVISION IV	648	2,241	12,131	15,020	861	15,881	1,995	17,876	292	18,168	N/A	N/A
AF -03	262	888	4,126	5,276	264	5,540	910	6,450	2	6,452	5,978	5,761
EMC -27	89	395	1,915	2,399	178	2,577	140	2,717	4	2,721	2,453	2,195
MAG -33	118	419	2,225	2,762	226	2,988	212	3,200	85	3,285	3,038	2,796
MTT -17	291	893	5,395	6,579	366	6,945	1,119	8,064	3	8,067	7,435	6,968
NPS -05	124	373	1,879	2,376	153	2,529	261	2,790	199	2,989	3,036	3,137
DIVISIONS V & VIII	560	3,016	49,905	53,481	4,059	57,540	12,320	69,860	14,719	84,579	N/A	N/A
COMP-16	560	3,016	49,905	53,481	4,059	57,540	12,320	69,860	14,719	84,579	77,902	71,953
DIVISION VI	398	2,057	12,303	14,758	991	15,749	1,338	17,087	108	17,195	N/A	N/A
E -25	163	510	1,346	2,019	150	2,169	191	2,360	5	2,365	2,303	2,322
EM -14	117	830	6,392	7,339	435	7,774	669	8,443	39	8,482	8,336	8,215
PC -26	31	260	1,781	2,072	234	2,306	224	2,530	44	2,574	2,465	2,422
R -07	74	443	2,847	3,364	276	3,640	144	3,784	16	3,800	3,670	3,472
SIT -30	123	413	2,180	2,716	184	2,900	314	3,214	4	3,218	3,661	3,986
DIVISION VII	598	4,178	14,724	19,500	825	20,325	937	21,262	1	21,263	N/A	N/A
PE -31	598	4,178	14,724	19,500	825	20,325	937	21,262	1	21,263	21,424	21,525
DIVISION IX	551	1,945	13,897	16,393	897	17,290	3,723	21,013	77	21,090	N/A	N/A
AES -10	249	872	4,640	5,761	296	6,057	1,145	7,202	4	7,206	6,855	6,811
ASSP-01	238	784	7,858	8,880	502	9,382	2,373	11,755	11	11,766	10,384	9,469
GRS -29	64	222	1,342	1,628	109	1,737	241	1,978	33	2,011	1,934	1,896
*** OE -22	91	315	1,583	1,989	134	2,123	191	2,314	25	2,339	2,866	—
SU -20	94	255	1,563	1,912	121	2,033	240	2,273	6	2,279	2,270	2,280
DIVISION X	515	1,916	16,554	18,985	1,179	20,164	4,978	25,142	116	25,258	N/A	N/A
CS -23	187	699	6,504	7,390	387	7,777	2,072	9,849	17	9,866	9,896	8,800
EMB -18	136	527	4,510	5,173	378	5,551	1,671	7,222	63	7,285	7,658	7,583
IE -13	87	423	3,504	4,014	367	4,381	588	4,969	0	4,969	4,910	5,332
IT -12	211	456	3,074	3,741	216	3,957	843	4,800	5	4,805	4,781	4,765
SMC -28	130	374	2,789	3,293	228	3,521	820	4,341	32	4,373	4,325	4,287
TOTAL SOCIETY MEMBERS	2,556	13,641	108,461	124,658	7,812	132,470	22,469	154,939	15,406	170,345	N/A	N/A
TOTAL SOCIETY MEMBERSHIPS	5,997	25,617	188,208	219,822	14,630	234,452	38,371	272,823	15,510	288,333	274,222	260,295

\* Institute Elections only.

\*\* The former Broadcast, Cable and Consumer Electronics (BCCE) Society was divided in 1983 into two Societies: The Broadcast Technology (BT) Society and the Consumer Electronics (CE) Society.

\*\*\* The former Council on Oceanic Engineering became the Oceanic Engineering Society in 1983.

N/A Not available due to Division restructuring in 1984.











## SECTION C

TABLE 3 - SOCIETY MEMBERSHIP, BY REGION, BY SECTION, BY SOCIETY - 1984

REGION 6	TOTAL SOCIETY MEMBERS	TOTAL AFFILIATES	ASSP 1	BT 2	AP 3	CAS 4	NPS 5	VT 6	R 7	CE 8	IM 9	AES 10	IT 12	IE 13	EM 14	ED 15	COMP 16	MTT 17	EHB 18	COH 19	SU 20	CHMT 21	OE 22	CS 23	ED 25	PC 26	EMC 27	SMC 28	GRS 29	SIT 30	PE 31	IE 32	MAG 33	IA 34	QEA 36
ALAMOGORDO-HOLLOMAN	38	0	0	0	5	0	1	0	0	0	3	2	1	0	3	0	12	2	0	0	0	0	1	3	1	0	0	1	1	0	1	0	0	0	1
ALASKA	293	9	10	9	8	6	0	2	2	10	7	4	1	7	8	0	45	6	5	34	3	0	7	6	4	5	1	3	13	3	56	1	1	23	3
ALBUQUERQUE	1131	60	66	8	48*	49	69	4	15	15	30	45	13	6	46	50*	229	28*	15	41	11	17	4	44	7	4	43*	17	17	99*	1	8	22	43	
BOISE	214	7	8	2	2	9	1	5	2	5	4	3	1	4	11	10	35	4	0	14	1	1	5	7	2	0	1	1	0	46	2	6	20	2	
BUENAVENTURA (LAC)	956	61	30	12	46*	38*	7*	7*	22*	19	13*	56*	10*	3*	35*	55*	253*	69*	12*	63*	11*	16*	6	27	3*	7*	16*	11*	5*	5*	30*	1	31*	14*	23
CHINA LAKE (LAC)	208	24	14	1	10*	11*	1*	2*	2*	9	6*	18*	1*	1*	4*	3*	47*	17*	4*	8*	1*	2*	1	15	0*	0*	2*	2*	2*	10*	1	0*	9*	2	
EASTERN MONTANA	28	1	1	0	1	1	1	0	0	0	1	0	0	0	0	1	0	2	2	0	0	0	0	0	0	0	0	0	0	14	0	0	3	0	
FOOTHILL (LAC)	1165	86	39	20	36*	54*	11*	14*	20*	34	28*	42*	15*	10*	34*	26*	283*	60*	38*	80*	7*	14*	13	41	7*	9*	21*	13*	8*	10*	80*	6	18*	61*	13
FORT HUACHUCA	97	11	0	0	7	1	0	1	0	2	1	2	1	0	7	0	21*	4	1	31*	0	0	0	0	0	3	4	0	1	2	7	0	0	1	0
HAWAII	371	26	8	7	10	9	5	2	1	10	8	8	7	3	11	8	104	6	6	49	1	1	10	9	2	2	6	4	2	6	36	1	2	23	4
IDAHO	88	8	4	1	0	10	3	0	3	0	0	0	0	2	5	4	26	1	1	3	2	1	0	3	0	1	0	3	0	11	0	0	3	1	
LAS VEGAS	148	12	2	3	9	1	5	2	0	3	9	7	0	0	6	2	31	10	3	7	0	0	3	4	4	4	2	0	3	0	23*	0	1	1	3
LOS ALAMOS	217	45	7	1	2	6	42	1	1	2	4	2	1	5	3	8	52	7	1	5	1	0	1	3	0	4	1	1	2	4	10	3	4	7	26*
METROPOLITAN LOS ANGELES (LAC)	1231	63	68	14	19*	58*	14*	8*	15*	31	16*	44*	40*	12*	27*	29*	295*	14*	25*	94*	11*	9*	8	52	6*	10*	12*	27*	5*	17*	138*	9	19*	56*	29*
MONTANA	162	11	3	0	2	8	0	1	1	2	3	5	0	5	4	0	45	3	6	6	1	2	3	7	2	2	1	3	3	1	33	0	2	8	0
NORTHERN NEVADA	194	9	5	0	2	8	2	1	1	6	6	1	1	7	6	6	55	2	9	5	3	4	1	5	0	0	1	1	4	3	30	0	6	11	2
OAKLAND-EAST BAY (SFBAC)	3425	307	111*	26	60*	225	95	21	29	54	59	35	48	34	88	172	983*	80	94*	207	20	43	29	119	13	24	30	50	27*	48	282*	17	41	195*	66*
ORANGE COUNTY (LAC)	4022	368	192*	25	114*	223*	42*	30*	69*	81	55*	203*	68*	35*	106*	168*	1228*	113*	95*	277*	39*	64*	23	136	17*	33*	51*	50*	20*	30*	165*	11	68*	143*	48
PHOENIX	2739	128	90	23	39*	167*	19	25	52	49	40	73	28*	21	79	228*	767*	123*	36	206*	21	78	15	68*	27	28	23	27	12	30	223*	13	24	48*	37
PORTLAND	2294	219	68	24	19	127*	12	20	28	38	50*	29	18	26	55	104*	684*	28*	65*	86	20*	40*	22	46*	17	22	15	18	9	36*	374*	10	10	151*	23
RICHLAND	234	17	4	0	4	9	14	1	2	1	7	4	1	7	9	2	49*	2	4	8	5	0	2	8	3	4	1	3	1	4	52*	1	2	17	3
SACRAMENTO	1290	62	47	24	22	64*	6	12*	10	29	15	21	19	15	39	2	454*	24	41*	95*	11	8	11	38*	14	7	4	24	13	11	124*	3	8	41	15
SAN DIEGO	3351	290	196*	37	107*	145	61	13	63	79	68	114*	97	29	99	117	886*	99*	78	263*	26	42	69	118*	11	28	46*	48	27	23	172*	15	78*	41	56
SAN FERNANDO VALLEY (LAC)	2082	145	77	18	89*	104*	22*	14*	47*	44	41*	129*	35*	20*	78*	60*	557*	125*	34*	120*	7*	36*	15	89	10*	15*	39*	30*	9*	19*	73*	7	36*	38*	45
SAN FRANCISCO (SFBAC)	2049	191	63	33	27*	70	22	21	14	56	33	30	22	28	58	78	494	82	55	162*	11	23	13	40	10	20	15	19	10	35	290*	4	27	166*	18*
SAN GABRIEL VALLEY (LAC)	1232	77	67	12	42*	49*	16*	9*	11*	27	34*	43*	29*	16*	25*	37*	284*	51*	21*	93*	10*	10*	16	40	9*	12*	6*	23*	28*	15	92*	4	26*	42*	33
SANTA BARBARA	881	46	61	7	37	41	10	6	10	14	17	43	18	12	17	29	209	47	21	65	14	12	13	35	8	5	11	17	13	7	28	1	23	11	19
SANTA CLARA VALLEY (SFBAC)	13796	978	641	94	239*	991*	116*	58*	253*	303	219	267*	249*	116*	455*	1341*	4101	549*	193*	1028*	135*	285*	72	354*	52	102	128*	174*	68	136*	311*	39	374*	151	202*
SANTA MONICA BAY (LAC)	2097	166	110	10	75*	100*	27*	5*	30*	44	21*	124*	60*	16*	47*	75*	591*	107*	49*	205*	10*	24*	13	79	8*	10*	16*	34*	16*	24*	32*	1	20*	18*	53
SEATTLE	3032	249	120	22	91*	147*	25	22	33	56	62	131*	38	33	90	53	793*	64*	84*	168*	34	22	54	119	20	21	50*	35	24	42	338*	8	16	181*	36
SOUTH BAY HARBOR (LAC)	3145	233	152	18	131*	142*	37*	14*	45*	63	34*	209*	85*	23*	79*	158*	761*	208*	56*	332*	13*	43*	24	133	3*	23*	36*	42*	16*	28*	55*	3	36*	78*	65
SPOKANE	403	10	19	4	8*	18*	1	1	5	7	8	6	4	7	21*	3*	106*	9	5	15	1	9	5	25*	5	5	4	6	2	7	62*	0	1	23*	1
TUCSON	761	53	30	6	23	49	9	4	16	15	16	14	15	2	20	35	202*	24	33	37	5	16	7	20	10	6	11*	12	15	8	55*	1	15	12	18
UTAH	981	86	61	9	28*	48	5	0	12	14	14	26	16	14	24	53*	271*	44*	42*	54	7	15	3	31	10*	13	12	9	6	9	71*	2	7	31	20
VANDENBERG	148	10	2	0	3	6	1	1	1	2	3	14	1	0	6	1	51	7	1	13	1	2	1	4	1	3	2	2	0	1	11	1	1	5	0
WENATCHEE	59	0	1	1	0	0	0	0	0	1	1	0	1	2	3	0	3	1	1	1	1	0	0	3	1	1	0	1	0	2	29	1	1	4	0
TOTALS	54562	4068	2377	480	1365	3002	702	327	815	1125	936	1754	964	521	1608	2940	15008	2020	1136	3877	443	839	470	1731	288	433	611	711	384	585	3463	167	912	1658	910

\* CHAPTER OR JOINT CHAPTER ESTABLISHED





## SECTION C

TABLE 4 - NUMBER OF IEEE SOCIETY MEMBERSHIPS HELD BY IEEE MEMBERS,  
BY REGION, BY SECTION, DECEMBER 31, 1984

NUMBER OF IEEE SOCIETY MEMBERSHIPS										
REGION 01										
SECTION	0	1	2	3	4	5	6-15	16-25	26-32	ALL
BERKSHIRE	150	94	24	5	4	0	0	0	0	0
BINGHAMTON	358	343	67	29	13	5	7	1	0	0
BOSTON (CNEC)	3348	4055	1459	622	256	92	113	4	3	1
BUFFALO	478	364	96	33	17	6	7	0	0	0
CONNECTICUT	1930	1395	492	179	64	32	29	0	0	0
ITHACA	128	152	70	25	5	5	3	0	0	0
LONG ISLAND (METSAC)	2258	1211	403	161	63	23	35	4	2	1
MAINE	261	135	42	19	8	2	6	0	0	0
MID-HUDSON	595	607	146	46	11	9	7	0	0	0
MOHAWK VALLEY	348	194	72	40	14	8	10	0	0	0
NEW HAMPSHIRE (CNEC)	585	565	188	66	30	10	10	0	0	0
NEW JERSEY COAST	1010	895	339	119	42	15	21	4	1	0
NEW YORK (METSAC)	3492	2069	809	284	121	59	70	5	0	1
NORTH JERSEY (METSAC)	2626	1796	657	246	88	40	36	2	0	0
PRINCETON (METSAC)	1276	904	336	120	40	16	19	0	0	1
PROVIDENCE (CNEC)	612	474	178	52	30	8	11	9	0	0
ROCHESTER	600	526	153	46	14	6	12	1	0	0
SCHENECTADY	493	587	212	58	21	14	6	0	1	0
SPRINGFIELD	245	167	86	37	11	4	5	0	0	0
SYRACUSE	372	386	152	48	23	7	6	0	0	0
VERMONT	287	181	62	15	4	1	2	0	0	0
WORCESTER COUNTY (CNEC)	323	337	132	34	17	6	4	0	0	0
TOTAL REGION 01	21775	17437	6175	2284	896	368	419	21	7	4

NUMBER OF IEEE SOCIETY MEMBERSHIPS										
REGION 02										
SECTION	0	1	2	3	4	5	6-15	16-25	26-32	ALL
AKRON	262	191	66	16	7	6	0	2	0	0
ALLEGHENY MOUNTAIN	46	22	6	3	0	0	0	0	0	0
BALTIMORE	1518	1288	437	156	56	27	37	4	0	0
CANTON	106	70	20	3	1	1	3	0	0	0
CENTRAL PENNSYLVANIA	362	176	65	17	7	1	5	0	0	0
CINCINNATI	370	257	112	32	15	3	6	0	0	0
CLEVELAND	718	599	215	88	29	18	14	0	1	0
COLUMBUS	615	603	210	84	25	6	13	0	0	0
DAYTON	663	480	177	68	27	12	12	0	0	0
DELAWARE BAY	171	172	72	18	12	5	3	0	0	0
EASTERN SHORE	94	33	8	7	0	1	0	0	0	0
ERIE	139	67	21	7	3	1	1	0	0	0
JOHNSTOWN	116	55	14	5	1	1	1	0	0	0
LEHIGH VALLEY	778	534	148	47	20	8	9	0	0	0
LIMA	203	36	8	0	2	1	1	0	0	0
NORTH CENTRAL OHIO	41	25	11	3	1	1	0	0	0	0
NORTHERN VIRGINIA	1830	1552	686	289	102	44	77	6	0	1
OHIO VALLEY	64	26	8	1	0	0	0	0	0	0
PHILADELPHIA	2668	2025	696	242	84	46	44	0	2	1
PITTSBURGH	1262	1097	387	122	53	15	14	1	0	0
SHARON	166	56	25	6	3	1	0	0	0	0
SOUTHERN NEW JERSEY	97	73	18	3	2	0	1	0	0	0
SUSQUEHANNA	364	182	55	21	7	3	4	1	0	0
WASHINGTON	2302	2115	813	352	126	55	62	4	4	0
WEST VIRGINIA	127	55	7	6	1	2	0	0	0	0
TOTAL REGION 02	15082	11789	4285	1596	584	258	307	18	7	2

## SECTION C

TABLE 4 - NUMBER OF IEEE SOCIETY MEMBERSHIPS HELD BY IEEE MEMBERS,  
BY REGION, BY SECTION, DECEMBER 31, 1984

NUMBER OF IEEE SOCIETY MEMBERSHIPS										
REGION 03										
SECTION	0	1	2	3	4	5	6-15	16-25	26-32	ALL
ALABAMA	686	433	117	28	14	6	2	0	0	0
ATLANTA	1090	1057	428	151	58	29	18	3	0	0
BATON ROUGE	279	124	44	11	5	4	0	0	0	0
BROWARD (FC)	326	287	79	19	14	3	6	0	0	0
CANAVECAL (FC)	154	87	25	6	2	2	2	0	0	0
CENTRAL GEORGIA	118	71	14	5	2	0	3	0	0	0
CENTRAL NORTH CAROLINA (NCC)	205	76	22	10	2	2	1	0	0	0
CENTRAL SAVANNAH RIVER (SCC)	118	42	19	3	4	2	0	0	0	0
CENTRAL VIRGINIA (VC)	354	175	74	28	6	2	4	1	0	1
CHARLOTTE (NCC)	434	316	78	27	11	1	0	0	0	0
CHATTANOOGA (TC)	208	151	25	4	3	1	1	0	0	0
COASTAL SOUTH CAROLINA (SCC)	235	95	28	12	3	1	5	0	0	0
COLUMBIA (SCC)	245	143	44	15	5	1	2	0	0	0
CAYTONA (FC)	107	52	17	4	1	1	1	0	0	0
EAST TENNESSEE (TC)	403	247	82	14	5	5	3	0	0	0
EASTERN NORTH CAROLINA (NCC)	911	727	277	90	36	13	6	0	0	0
EVANSVILLE-OWENSBORO	255	77	39	12	4	1	4	0	0	0
FLORIDA WEST COAST (FC)	1072	652	173	59	17	12	13	3	1	0
FORT WALTON (FC)	111	44	14	3	0	0	1	0	0	0
GAINESVILLE	214	146	58	21	12	5	3	0	0	0
HAMPTON ROADS (VC)	419	224	72	26	12	2	3	0	0	0
HUNTSVILLE	483	382	115	49	16	6	8	2	0	0
JACKSONVILLE (FC)	124	80	16	2	3	1	1	0	0	0
LEXINGTON	208	82	26	13	7	1	2	0	0	0
LOUISVILLE	389	106	38	14	7	1	1	0	0	0
MEMPHIS (TC)	409	137	38	15	8	5	2	1	1	0
MIAMI (FC)	417	374	122	29	7	6	8	1	0	0
MIDDLE TENNESSEE (TC)	78	31	13	7	0	0	1	0	0	0
MISSISSIPPI	350	146	34	7	3	2	2	0	0	0
MOBILE	142	53	15	3	0	0	0	0	0	0
NASHVILLE (TC)	547	190	65	16	9	7	6	0	0	0
NEW ORLEANS	453	285	102	30	10	2	3	0	0	0
OAK RIDGE (TC)	99	72	26	9	1	1	1	0	0	0
ORLANDO (FC)	492	354	120	43	17	2	11	0	0	1
PALM BEACH (FC)	413	333	81	21	11	1	7	0	0	0
PENSACOLA (FC)	62	30	11	3	1	0	0	0	0	0
PIEDMONT (SCC)	316	201	52	18	6	3	0	0	0	0
RICHMOND (VC)	246	187	61	24	5	1	3	0	0	0
SAVANNAH	56	27	4	3	2	0	0	0	0	0
SO BREVARD INDIAN RIVER	350	349	160	43	19	9	7	0	1	0
TALLAHASSEE AREA (FC)	128	86	22	9	2	1	1	0	0	0
TRI CITIES (TC)	139	133	42	11	7	3	2	0	0	0
VIRGINIA MOUNTAIN (VC)	432	251	86	27	11	1	1	0	0	0
WESTERN NORTH CAROLINA (NCC)	89	44	19	5	3	1	0	1	0	0
WINSTON-SALEM (NCC)	102	48	10	8	2	1	1	0	0	0
TOTAL REGION 03	14468	9207	3007	957	373	148	146	12	3	2

## SECTION C

TABLE 4 - NUMBER OF IEEE SOCIETY MEMBERSHIPS HELD BY IEEE MEMBERS,  
BY REGION, BY SECTION, DECEMBER 31, 1984

NUMBER OF IEEE SOCIETY MEMBERSHIPS										
REGION 04										
SECTION	0	1	2	3	4	5	6-15	16-25	26-32	ALL
ARROWHEAD	142	52	13	4	3	1	0	0	0	0
CALUMET	347	143	63	16	6	3	1	0	0	0
CEDAR RAPIDS	242	125	48	18	2	3	2	1	0	1
CENTRAL ILLINOIS	389	434	155	54	25	7	9	0	0	0
CENTRAL INDIANA	724	705	229	102	36	17	14	0	0	0
CENTRAL IOWA	301	233	56	15	2	0	2	0	0	0
CHICAGO	2414	2327	827	289	118	65	61	3	0	0
PORT WAYNE	200	136	42	18	5	2	2	1	0	0
ILLINOIS VALLEY	115	56	22	4	1	1	3	0	0	0
IOWA-ILLINOIS	124	99	18	8	1	0	1	1	0	0
MADISON	244	284	97	34	11	8	6	0	0	0
MICHIANA	175	101	44	28	4	5	1	0	0	0
MILWAUKEE	732	722	240	77	42	17	20	2	0	0
NEBRASKA	346	262	96	37	9	3	2	1	0	0
NORTHEAST MICHIGAN	156	110	30	10	6	2	4	0	0	0
NORTHEASTERN WISCONSIN	254	252	77	24	14	4	3	0	0	0
ROCK RIVER VALLEY	138	96	29	7	6	3	3	0	0	0
SQUAWLAND	123	53	12	5	1	0	0	0	0	0
SOUTHEASTERN MICHIGAN	1395	1408	474	190	75	32	35	1	0	0
SOUTHERN MINNESOTA	142	135	44	8	4	2	3	0	0	0
TCLEDO	357	155	60	24	8	2	2	0	0	0
TWIN CITIES	1138	1272	411	182	68	27	28	6	0	2
WEST MICHIGAN	283	194	66	15	4	0	2	1	0	0
TOTAL REGION 04	10481	9354	3153	1169	451	204	204	17	0	3

NUMBER OF IEEE SOCIETY MEMBERSHIPS										
REGION 05										
SECTION	0	1	2	3	4	5	6-15	16-25	26-32	ALL
ARKANSAS	221	140	38	8	2	1	0	0	0	0
BEAUMONT	162	54	10	5	3	1	4	0	0	0
CENTRAL TEXAS	865	1049	312	110	43	15	21	0	0	0
CORPUS CHRISTI	183	106	26	11	0	3	3	0	0	0
DALLAS	1740	1647	504	174	68	33	30	3	0	0
DENVER	1518	1304	455	157	76	25	35	2	0	0
EL PASO	325	117	49	21	6	2	6	0	0	0
FORT WORTH	645	620	174	68	32	10	6	0	0	0
GALVESTON BAY	268	215	55	18	10	1	4	0	0	0
HOUSTON	1587	1290	383	170	59	26	33	0	0	0
KANSAS CITY	906	544	152	46	30	6	9	0	0	0
LAFAYETTE	164	108	16	4	3	0	0	0	0	0
OKLAHOMA CITY	275	210	56	22	4	6	9	0	0	0
OZARK	110	37	20	6	1	2	2	0	0	0
PANHANDLE	89	45	10	1	1	0	1	0	0	0
PERMIAN BASIN	68	35	4	4	1	5	0	0	0	0
PIKES PEAK	372	274	102	33	11	6	9	1	0	0
SAINT LOUIS	1554	974	327	108	47	12	20	0	0	0
SHREVEPORT	315	84	31	8	6	1	2	0	0	0
SOUTH PLAINS	170	48	23	7	8	3	0	0	0	0
TULSA	358	215	85	32	9	3	9	0	0	0
WICHITA	215	208	56	21	13	1	2	0	1	0
TOTAL REGION 05	12110	9324	2888	1034	433	162	205	6	1	0

## SECTION C

TABLE 4 - NUMBER OF IEEE SOCIETY MEMBERSHIPS HELD BY IEEE MEMBERS,  
BY REGION, BY SECTION, DECEMBER 31, 1984

NUMBER OF IEEE SOCIETY MEMBERSHIPS										
REGION 06										
SECTION	0	1	2	3	4	5	6-15	16-25	26-32	ALL
ALAMOGORBDC-HOLLOMAN	27	22	2	2	0	0	1	0	0	0
ALASKA	141	103	31	16	11	2	3	0	0	0
ALBUQUERQUE	441	407	146	59	26	8	12	1	0	0
BOISE	80	95	18	10	3	2	1	1	0	0
BUENAVENTURA (LAC)	413	343	122	47	24	10	7	0	1	0
CHINA LAKE (LAC)	135	72	33	6	6	1	3	0	0	0
EASTERN MONTANA	39	17	5	1	1	0	0	0	0	0
FOOTHILL (LAC)	637	431	132	74	20	12	10	0	0	1
FORT HUACHUCA	69	43	13	6	1	0	1	0	0	0
HAWAII	392	156	48	16	5	3	5	0	0	0
IDAHO	76	38	15	4	2	0	0	0	0	0
LAS VEGAS	107	49	16	5	8	1	2	0	0	0
LOS ANGELES	79	83	34	9	7	1	1	0	0	0
METROPOLITAN LOS ANGELES (LAC)	459	444	125	71	28	12	14	2	0	0
MONTANA	166	66	23	6	2	2	2	0	0	0
NORTHERN NEVADA	119	78	19	11	1	6	1	0	0	0
OAKLAND-EAST BAY (SFEAC)	984	1255	485	170	74	35	30	0	0	0
ORANGE COUNTY (LAC)	1911	1625	505	188	83	28	36	0	2	0
PHOENIX	1339	1147	353	128	33	19	17	5	1	0
PORTLAND	792	1017	311	97	29	11	15	2	0	1
RICHLAND	147	89	33	10	8	3	0	0	0	0
SACRAMENTO	820	596	158	46	21	13	9	1	0	0
SAN DIEGO	1043	1123	409	164	82	39	44	1	1	0
SAN FERNANDO VALLEY (LAC)	956	759	296	110	40	13	16	0	1	0
SAN FRANCISCO (SFBAC)	618	812	260	104	23	19	25	2	0	0
SAN GABRIEL VALLEY (LAC)	450	437	146	64	29	8	17	0	0	0
SANTA BARBARA	375	270	123	50	18	11	6	2	0	0
SANTA CLARA VALLEY (SFBAC)	3004	4918	1855	730	272	117	123	8	3	2
SANTA MONICA BAY (LAC)	585	664	300	104	43	24	24	1	1	0
SEATTLE	1164	1163	441	127	70	18	24	1	0	0
SOUTH BAY HARBOR (LAC)	1033	1003	458	155	62	35	38	2	0	0
SPOKANE	273	173	48	21	6	3	2	1	0	0
TUCSON	335	309	92	28	18	4	11	1	0	0
UTAH	496	390	144	45	18	7	5	1	0	0
VANDENEERG	77	69	18	6	3	1	1	0	0	0
WENATCHEE	40	30	4	0	0	3	1	0	0	0
TOTAL REGION 06	19822	20296	7218	2690	1077	471	507	32	10	4



## SECTION C

TABLE 4 - NUMBER OF IEEE SOCIETY MEMBERSHIPS HELD BY IEEE MEMBERS,  
BY REGION, BY SECTION, DECEMBER 31, 1984

NUMBER OF IEEE SOCIETY MEMBERSHIPS										
REGION 07										
SECTION	0	1	2	3	4	5	6-15	16-25	26-32	ALL
BAY OF QUINTE (CCC)	167	158	66	25	7	3	2	0	0	0
CANADIAN ATLANTIC (ECC)	138	99	47	8	5	5	5	0	0	0
HAMILTON (CCC)	309	185	86	41	18	10	10	0	0	0
KITCHENER-WATERLOO (CCC)	90	218	91	47	17	3	3	0	0	0
LONDON (CCC)	157	95	54	14	7	3	1	0	0	0
MONTREAL (ECC)	762	870	343	154	77	26	40	2	1	0
NEW BRUNSWICK (ECC)	197	52	21	7	4	0	1	0	0	0
NEWFOUNDLAND-LABRADOR (ECC)	84	27	14	6	2	0	2	0	0	0
NORTHERN CANADA (WCC)	157	196	92	31	15	3	6	1	0	0
OTTAWA (ECC)	653	709	297	122	48	20	32	1	0	1
QUEBEC (ECC)	104	80	30	16	9	3	1	0	0	0
SAINTE MAURICE (ECC)	22	7	5	8	0	0	1	0	0	0
SASKATCHEWAN (WCC)	284	84	44	21	10	5	8	0	0	0
SOUTHERN ALBERTA (WCC)	187	205	89	39	17	10	12	0	0	0
TORONTO (CCC)	1173	1006	422	185	78	41	47	1	0	0
VANCOUVER (WCC)	384	414	156	51	24	12	26	1	1	0
VICTORIA (WCC)	92	58	29	13	10	2	0	0	0	0
WINNIPEG (WCC)	318	290	90	29	18	9	10	1	0	0
TOTAL REGION 07	5278	4753	1976	817	366	155	207	7	2	1

NUMBER OF IEEE SOCIETY MEMBERSHIPS										
REGION 08										
SECTION	0	1	2	3	4	5	6-15	16-25	26-32	ALL
AUSTRIA	16	44	25	16	10	7	8	0	0	0
BENELUX	386	503	245	109	63	16	64	7	1	0
DENMARK	32	105	77	25	23	11	19	2	0	0
EAST AFRICA	76	40	21	6	5	0	6	0	0	0
EGYPT	43	111	60	26	16	5	8	1	0	0
FINLAND	33	111	75	39	20	10	11	1	0	0
FRANCE	248	315	161	73	33	21	66	9	1	2
GERMANY (WEST)	200	581	259	110	62	29	52	7	1	0
GREECE	72	112	68	34	17	16	22	0	0	0
IRAN	20	41	24	18	11	8	12	0	1	0
ISRAEL	121	236	111	59	23	9	26	3	1	0
MIDDLE & SOUTH ITALY	72	155	81	44	25	14	30	5	3	0
NIGERIA	49	51	33	18	7	3	6	1	0	0
NORTH ITALY	187	331	123	58	31	26	39	1	4	1
NORWAY	37	88	44	22	18	9	19	1	0	0
POLAND	5	36	7	6	1	0	1	0	0	0
PORTUGAL	21	45	30	19	8	6	5	1	0	0
SAUDI ARABIA	216	210	99	51	23	10	19	0	0	0
SOUTH AFRICA	54	57	41	26	11	7	7	0	0	0
SPAIN	74	209	140	93	50	33	68	5	3	3
SWEDEN	81	235	132	61	43	12	47	6	1	1
SWITZERLAND	282	399	207	100	50	30	48	3	1	0
UNITED KINGDOM & REP IRELAND	723	931	432	165	65	35	51	4	0	0
YUGOSLAV	7	65	64	30	15	9	3	1	0	0
COUNTRIES OUTSIDE SECTION	353	328	138	87	33	22	34	1	0	0
TOTAL REGION 08	3408	5337	2697	1295	663	348	671	59	17	7

TABLE 4 - NUMBER OF IEEE SOCIETY MEMBERSHIPS HELD BY IEEE MEMBERS,  
BY REGION, BY SECTION, DECEMBER 31, 1984

NUMBER OF IEEE SOCIETY MEMBERSHIPS										
REGION 09										
SECTION	0	1	2	3	4	5	6-15	16-25	26-32	ALL
ARGENTINA	71	117	44	25	20	13	21	0	0	0
BAHIA (BC)	6	17	13	5	2	2	3	0	0	0
BRAZILIA (BC)	0	11	3	2	0	0	3	0	0	0
CENTRAL AMERICA (CAPC)	206	83	29	15	8	1	1	0	0	0
CHILE	34	135	64	22	8	7	5	0	0	1
COLOMBIA	60	223	116	59	45	17	11	0	0	0
ECUADOR	9	37	35	30	10	5	5	0	0	0
JAMAICA	26	23	18	5	6	5	3	0	0	0
MEXICO (MC)	192	257	84	42	15	12	20	2	1	0
MONTERREY (MC)	39	57	24	8	7	1	2	0	0	0
PANAMA (CAPC)	57	70	44	20	11	3	5	0	0	0
PERU	39	84	60	47	16	3	15	1	0	0
PUERTO RICO & CARIBBEAN	343	134	88	23	11	8	7	0	0	0
RIO DE JANEIRO (BC)	20	84	38	28	9	1	7	0	1	0
SAO PAULC (BC)	52	113	68	32	19	11	8	0	1	0
VENEZUELAN	134	99	59	24	16	5	6	0	0	0
COUNTRIES OUTSIDE SECTION	15	18	12	4	1	0	2	0	0	0
TOTAL REGION 09	1303	1562	799	391	204	94	124	3	3	1

NUMBER OF IEEE SOCIETY MEMBERSHIPS										
REGION 10										
SECTION	0	1	2	3	4	5	6-15	16-25	26-32	ALL
AUSTRALIAN	205	460	263	162	84	40	49	0	0	0
BANGALORE (AIC)	186	146	24	7	4	2	6	0	0	0
BEIJING	68	36	10	3	0	0	0	0	0	0
BOMBAY (AIC)	269	164	66	29	12	4	18	1	0	0
CALCUTTA (AIC)	115	119	56	18	8	5	2	0	0	0
DELHI (AIC)	194	151	49	17	6	5	4	1	0	0
HONG KONG	713	586	196	79	32	13	14	0	0	0
HYDERABAD (AIC)	115	125	18	2	1	1	2	1	0	0
KARACHI	71	34	13	4	0	0	1	0	0	0
KERALA (AIC)	204	57	37	10	1	0	0	1	0	0
KOREA	34	325	262	151	95	57	78	9	3	2
MADRAS (AIC)	774	251	41	12	6	1	2	0	2	0
NEW ZEALAND NORTH (NZC)	36	35	19	14	4	1	1	0	0	0
NEW ZEALAND SOUTH (NZC)	67	67	27	10	6	5	3	0	0	0
PAKISTAN	127	43	18	6	7	0	0	0	0	0
REPUBLIC OF THE PHILIPPINES	34	49	21	11	3	0	3	0	0	0
SINGAPORE	461	427	158	57	24	12	14	0	0	0
TAIPEI	160	169	105	41	35	21	20	1	0	0
THAILAND	31	36	25	13	6	4	8	1	0	1
TOKYO	362	1873	903	370	180	83	170	25	14	16
VICTORIAN	99	222	127	75	33	22	16	1	0	0
WESTERN AUSTRALIA	31	39	17	8	2	5	2	0	0	0
COUNTRIES OUTSIDE SECTION	204	157	74	44	16	13	6	0	0	0
TOTAL REGION 10	4540	5571	2529	1143	565	294	419	41	19	19

	0	1	2	3	4	5	6-15	16-25	26-32	ALL
TOTAL ALL REGIONS	108267	94630	34727	13376	5612	2502	3209	216	69	43

## SECTION C

Table 5 - IEEE Chapters - as of 12/31/84

<u>Code</u>	<u>Society Name</u>	<u>No of Chapters</u>	<u>Section/Council Location</u>		
AES-10	Aerospace & Electronic Systems	31	All India Council	Huntsville	Saint Louis
			Atlanta	Israel	San Diego
			Baltimore	Long Island	Santa Clara Valley
			Central New Eng-land Council	Los Angeles Council	Seattle
			Cleveland	Mohawk Valley	Southeastern Michigan
			Dayton	New Jersey Coast	Spain
			Denver	NY/North Jersey	Syracuse
			Fort Wayne	Orlando	Toronto
			Houston	Ottawa	Vancouver
				Philadelphia	Washington/No Virginia
				Rochester	
AP-03	Antennas & Propagation	38	Albuquerque	Israel	Saint Louis
			Atlanta	Long Island/NY	San Diego
			Baltimore	Los Angeles Council	Santa Clara Valley
			Benelux	Middle & South Italy	Southeastern Michigan
			Canaveral	Montreal	Seattle
			Central New Eng-land Council	New Jersey Coast	Spokane
			Chicago	North Jersey	Sweden
			Columbus	Oakland East Bay	Switzerland
			Dallas	Orlando	Syracuse
			Denver	Ottawa	Tokyo
			Houston	Philadelphia	Utah
			Huntsville	Phoenix	Vancouver
				San Francisco	Washington/No Virginia
			ASSP-01	Acoustics, Speech & Signal Processing	26
Boston	Montreal	Southeastern Michigan			
Connecticut	Northern Virginia	Spain			
Chicago	Oakland-East Bay	Switzerland			
Cleveland	Orange County	Tokyo			
Dallas	Philadelphia	Twin Cities			
Florida West Coast	Pittsburgh	Vancouver			
France	Quebec	Washington			
Houston	San Diego				
BT-02	Broadcast Technology	9	Chicago	Ottawa	Toronto
			Cleveland	Philadelphia	Washington/Northern Virginia
			Florida West Coast	Tokyo	
			New York		
CAS-04	Circuits & Systems	30	All India Council	Los Angeles Council	Santa Clara Valley
			Canton	Mid-Hudson	Seattle
			Central Indiana	Montreal	Southeastern Michigan
			Central New Eng-land Council	New Jersey Coast	Spokane
			Chicago	Ottawa	Syracuse
			Cleveland	Philadelphia	Switzerland
			Fort Wayne	Phoenix	Tokyo
			Hamilton	Pikes Peak	Twin Cities
			Houston	Portland	United Kingdom & the Republic of Ireland
			Kitchener-Waterloo	Princeton	
				Sacramento	
CE-08	Consumer Electronics	10	Chicago	Ottawa	Toronto
			Cleveland	Philadelphia	Washington/Northern Virginia
			Florida West Coast	Princeton	
			New York	Tokyo	

## SECTION C

Table 5 - IEEE Chapters - as of 12/31/84

COMM-19	Communications	61	Alabama	Houston	Princeton			
			All India Council	Israel	Rochester			
			Atlanta	Kansas City	Sacramento			
			Baltimore	Kitchener-Waterloo	Saint Louis			
			Canton	Long Island	San Diego			
			Central Illinois	Los Angeles Council	Santa Clara Valley			
			Central New Eng- land Council	Maine	San Francisco			
			Charlotte	Mexico	Saskatchewan			
			Chicago	Miami	Schenectady			
			Columbus	Mohawk Valley	Seattle			
			Dallas	Montreal	Southeastern Michigan			
			Denver	New Hampshire	Spain			
			Eastern NC/ Western NC/ Central NC/ Winston-Salem	New Jersey Coast	Switzerland			
			Florida West Coast	New Orleans	Syracuse			
			Fort Huachuca	New York	Tokyo			
			Fort Wayne	North Jersey	Toronto			
			France	Orlando	Twin Cities			
			Hamilton	Ottawa	Vancouver			
				Peru	Victorian			
				Philadelphia	Winnipeg			
				Pittsburgh	Washington/No Virginia			
				Phoenix				
			<hr/>					
			CHMT-21	Components, Hybrids & Manufacturing Technology	12	Central New Eng- land Council	Los Angeles Council	Portland
						Chicago	New Jersey Coast	Santa Clara Valley
						Dayton	NY/Long Island/ North Jersey	Tokyo
						Lehigh Valley	Philadelphia	Washington/No Virginia
			<hr/>					
			CS-23	Control Systems	38	All India Council	Huntsville	Santa Clara Valley
						Baltimore	Kitchener-Waterloo	Schenectady
						Bangalore	Long Island/NY	Southeastern Michigan
						Buffalo	Mexico	Spokane
Central New Eng- land Council	Milwaukee	Tokyo						
Chicago	New Jersey Coast	Toledo						
Cleveland	North Jersey	United Kingdom & the Republic of Ireland						
Columbus	Northern Virginia	Vancouver						
Dallas	Philadelphia	Virginia Mountain						
Dayton	Phoenix	Washington						
Denver	Pittsburgh	Wichita						
Fort Worth	Portland							
Hamilton	Sacramento							
	San Diego							

## SECTION C

Table 5 - IEEE Chapters - as of 12/31/84

COMP-16	Computer	109	Akron Alabama Arkansas Atlanta Baltimore Binghamton Bangalore Bombay Broward Buffalo Calumet Canaveral Canadian Atlantic Canton Cedar Rapids Central Georgia Central Indiana Central New Eng- land Council Central Texas Charlotte Chicago Chile Cleveland Columbus Connecticut Corpus Christi Dallas Dayton Delaware Bay Denver Eastern Shore Egypt Florida West Coast Fort Huachuca Fort Wayne Fort Worth France	Hamilton Hampton Roads Hong Kong Houston Huntsville Illinois Valley Israel Kitchener-Waterloo Korea Lehigh Valley Lexington/Louis- ville Long Island Los Angeles Council Maine Mexico Miami Mid-Hudson Milwaukee Mohawk Valley Montreal Nashville Nebraska New Hampshire New Jersey Coast New Orleans New York North Jersey Northern Canada Northern Virginia Oakland-East Bay Oklahoma City Orlando Ottawa Palm Beach Panama Philadelphia Phoenix	Pikes Peak Pittsburgh Portland Princeton Quebec Richland Rochester Sacramento Saint Louis San Diego Sao Paulo Schenectady Seattle Singapore Southern Alberta Southeastern Michigan Spain Spokane Switzerland Syracuse Taipei Tokyo Toledo Toronto Tri Cities Tucson Twin Cities Utah United Kingdom & the Republic of Ireland Vancouver Virginia Mountain Washington Wichita Winnipeg Worcester County
Ed-25	Education	7	Central New Eng- land Council Hamilton	Los Angeles Council Mexico Tokyo	United Kingdom & the Republic of Ireland Utah
EI-32	Electrical Insulation	4	Bay of Quinte/ Hamilton/ Kitchener-Waterloo/ London/Toronto	Montreal/Ottawa Tokyo	Vancouver
EMC-27	Electromagnetic Compatibility	22	Albuquerque Atlanta Baltimore Central New Eng- land Council Central Texas Chicago Dayton	Denver Denver (Littleton) Los Angeles Council Long Island/NY Mohawk Valley New Jersey Coast Orange County Ottawa	Philadelphia San Diego Santa Clara Valley Seattle Tokyo Tucson Washington/No Virginia

## SECTION C

Table 5 - IEEE Chapters - as of 12/31/84

ED-15	Electron Devices	35	Albuquerque All India Council Central Illinois Central New Eng- land Council Chicago Dayton Houston Israel Kichener-Waterloo Lehigh Valley Los Angeles Council	Mid-Hudson Milwaukee New Jersey Coast NY/Long Island Orlando Ottawa Philadelphia Phoenix Pikes Peak Pittsburgh Portland Princeton	Rochester Saint Louis Santa Clara Valley Schenectady Southeastern Michigan Spokane Switzerland Syracuse Tokyo Twin Cities Utah Washington/No Virginia
EM-14	Engineering Management	33	Atlanta Broward Buffalo Canaveral Central Indiana Central New Eng- land Council Chicago Dallas Dayton Denver Houston	Huntsville Israel Kansas City Los Angeles Council Madras Mexico Miami Milwaukee Mohawk Valley Montreal Nebraska	North Jersey/NY Ottawa Philadelphia Pittsburgh Rochester Santa Clara Valley Sao Paulo Southeastern Michigan Spokane Tri-Cities Washington/No Virginia
EMB-18	Engineering in Medicine & Biology	37	Atlanta Central Indiana Central New Eng- land Council Central Texas Chicago Cincinnati Cleveland Connecticut Dallas Dayton Denver Houston	Los Angeles Council Memphis Miami Milwaukee Montreal Nashville New Jersey Coast NY/Long Island North Jersey Oakland-East Bay Philadelphia Pittsburgh Portland	Princeton Rochester Sacramento Saint Louis Santa Clara Valley Seattle Southeastern Michigan Tokyo Twin Cities Utah Washington/No Virginia Winnipeg
GRS-29	Geoscience & Remote Sensing	7	Denver European Chapter Los Angeles Council	North Jersey Oakland East Bay Tokyo	Washington/No Virginia
IE-13	Industrial Electronics	16	All India Council Arkansas Bangalore Beaumont Chicago Cleveland	Connecticut Lehigh Valley Los Angeles Council Mexico Santa Clara Valley Schenectady	Tokyo Toledo Vancouver Virginia Mountain

## SECTION C

Table 5 - IEEE Chapters - as of 12/31/84

IA-34	Industry Applications	64	Akron Alabama All India Council Atlanta Baltimore Bangalore Baton Rouge Buffalo Calumet Central Illinois Central New Eng- land Council Chicago Cincinnati Cleveland Columbus Connecticut Dallas Dayton Delaware Bay Denver Eastern N Carolina	Hamilton Hong Kong Houston Los Angeles Council Madras Maine Mexico Miami Middle Tennessee Milwaukee Montreal North Jersey NY/Long Island New Zealand North Orange County Oakland-East Bay Oklahoma City Orlando Panama Philadelphia Phoenix Pittsburgh	Portland Rochester Saint Louis San Francisco Saskatchewan Sao Paulo Schenectady Seattle Southern Alberta Southeastern Michigan Spokane Syracuse Tokyo Toledo Toronto Tulsa Twin Cities Vancouver Virginia Mountain Washington/No Virginia Wichita
IT-12	Information Theory	18	Buffalo Central New Eng- land Council Central NC/ Eastern NC/ Western NC/ Winston-Salem Dallas Denver	Chicago/Central Illinois/Central Indiana/Michiana Hamilton Kitchener-Waterloo Los Angeles Council Montreal NY/Long Island/ North Jersey	Philadelphia Phoenix Santa Clara Valley Schenectady Southeastern Michigan Tokyo Washington/No Virginia
IM-09	Instrumentation & Measurement	14	Central Illinois Central New Eng- land Council Chicago Cleveland Denver	Los Angeles Council Montreal NY/Long Island/ North Jersey Ottawa Portland	Southeastern Michigan Tokyo Toronto Washington
MAG-33	Magnetics	12	Central New Eng- land Council Houston Los Angeles Council Milwaukee	Philadelphia Pittsburgh Princeton San Diego	Santa Clara Valley Tokyo Twin Cities Washington/No Virginia
MTT-17	Microwave Theory & Techniques	43	Albuquerque All India Council Atlanta Baltimore Benelux Canaveral Central Illinois Central New Eng- land Council Chicago Columbus Dallas Denver Florida West Coast Houston	Huntsville Israel Long Island/NY Los Angeles Council Middle & South Italy Milwaukee Montreal New Jersey Coast North Jersey Orlando Ottawa Philadelphia Phoenix Portland Princeton	Saint Louis San Diego Santa Clara Valley Schenectady Seattle Southeastern Michigan Sweden Switzerland Syracuse Twin Cities Tokyo Utah Washington/No Virginia West Germany

## SECTION C

Table 5 - IEEE Chapters - as of 12/31/84

NPS 05	Nuclear & Plasma Sciences	10	All India Council Benelux Central Illinois Central New England Council	Chicago Los Angeles Council North Jersey Santa Clara Valley	Tokyo Washington/No Virginia/ Baltimore
OE-22	Oceanic Engineering	1	Central New England Council		
PC-26	Professional Communication	6	Central New England Council Chicago	Los Angeles Council Ottawa	United Kingdom & the Republic of Ireland Washington/No Virginia
PE-31	Power Engineering	113	Akron Alabama Albuquerque All India Council Argentina Arkansas Atlanta Baltimore Bangalore Beaumont Berkshire Boston Broward Buffalo Calumet Canton Central Illinois Central Indiana Central Texas Charlotte Chattanooga Chicago Cincinnati Cleveland Columbus Connecticut Corpus Christi Dallas Dayton Delaware Bay Denver Eastern N Carolina East Tennessee Erie Florida West Coast Fort Worth France Greece Hong Kong	Hamilton Houston Israel Jacksonville Kansas City Las Vegas Lehigh Valley Los Angeles Council Madras Maine Memphis Mexico Monterrey Miami Mid-Hudson Middle Tennessee Milwaukee/Madison/ NE Wisconsin Montreal Nashville Nebraska New Hampshire New Orleans NY/Long Island North Jersey Northern Canada Oakland-East Bay Oklahoma City Orange County Orlando Ottawa Palm Beach Panama Peru Philadelphia Phoenix Pittsburgh Portland Princeton	Puerto Rico & Caribbean Richland Rio de Janeiro Rochester Sacramento Saint Louis San Diego San Francisco Santa Clara Valley Sao Paulo Saskatchewan Schenectady Seattle Sharon Shreveport Singapore Siouxland Southern Alberta Southeastern Michigan Spokane Syracuse Tri Cities Tokyo Toledo Toronto Tucson Tulsa Twin Cities Utah Vancouver Vermont Virginia Mountain Washington/No Virginia Wichita Winnipeg Worcester County
QEA 36	Quantum Electronics & Applications	8	Central New England Council Dallas Long Island	Los Alamos Metropolitan Los Angeles New Jersey Coast	Oakland East Bay/San Francisco/Santa Clara Valley Washington/No Virginia



## SECTION C

Table 5 - IEEE Chapters - as of 12/31/84

R-07	Reliability	22	Baltimore Binghamton Canaveral/Daytona Central New Eng- land Council Cleveland Chicago Connecticut	Denver Florida West Coast Los Angeles Council Mohawk Valley Montreal New Jersey Coast NY/Long Island North Jersey	Ottawa Philadelphia Santa Clara Valley Tri-Cities Tokyo Twin Cities Washington
SU-20	Sonics & Ultrasonics	7	Central New Eng- land Council Long Island	Los Angeles Council Pittsburgh Portland	Santa Clara Valley Washington/Baltimore/ No Virginia
SIT-30	Social Implications of Technology	8	Central New Eng- land Council Cleveland Los Angeles Council	Portland Santa Clara Valley Switzerland Twin Cities	Washington/Baltimore/ No Virginia
SMC-28	Systems, Man & Cybernetics	17	Central New Eng- land Council Cleveland Connecticut Dallas Long Island/NY	Los Angeles Council Mexico Milwaukee New Jersey Coast North Jersey Philadelphia	Schenectady Santa Clara Valley Southeastern Michigan Tokyo Twin Cities Washington/No Virginia
VT-06	Vehicular Technology	24	Canton Central New Eng- land Council Chicago Cincinnati/Dayton Cleveland Columbus Dallas Denver	Florida West Coast Los Angeles Council Miami Montreal NY/Long Island/ North Jersey New Jersey Coast Orlando Philadelphia	Pittsburgh Sacramento Santa Clara Valley Southeastern Michigan Tokyo Toronto Vancouver Washington
33	Societies	700*			

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

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

## SECTION D

TABLE 1 - SOCIETY AFFILIATES, DECEMBER 31, 1984 5-YEAR COMPARISON

CODE NO.	SOCIETY	12/31/84	12/31/83	12/31/82	12/31/81	12/31/80
1	ACOUSTICS, SPEECH & SIGNAL PROCESSING	11	12	14	11	8
2	* BROADCAST TECHNOLOGY	2	1	6	6	5
3	ANTENNAS & PROPAGATION	2	1	1	1	1
4	CIRCUITS & SYSTEMS	8	13	19	4	4
5	NUCLEAR & PLASMA SCIENCES	199	206	219	201	193
6	VEHICULAR TECHNOLOGY	4	1	2	2	2
7	RELIABILITY	16	16	19	16	13
8	* CONSUMER ELECTRONICS	4	4	-	-	-
9	INSTRUMENTATION & MEASUREMENT	2	2	1	0	0
10	AEROSPACE & ELECTRONIC SYSTEMS	4	5	4	5	5
12	INFORMATION THEORY	5	10	8	7	7
13	INDUSTRIAL ELECTRONICS	0	0	0	1	0
14	ENGINEERING MANAGEMENT	39	38	33	31	29
15	ELECTRON DEVICES	3	5	7	4	5
16	COMPUTER	14,719	12,970	11,757	9,163	5,246
17	MICROWAVE THEORY & TECHNIQUES	3	4	3	3	1
18	ENGINEERING IN MEDICINE & BIOLOGY	63	63	64	69	81
19	COMMUNICATIONS	73	79	86	18	8
20	SONICS & ULTRASONICS	6	7	8	6	8
21	COMPONENTS, HYBRIDS & MANUFACTURING TECHNOLOGY	12	7	5	6	6
22	** OCEANIC ENGINEERING	25	77	-	-	-
23	CONTROL SYSTEMS	17	18	14	13	13
25	EDUCATION	5	2	2	1	1
26	PROFESSIONAL COMMUNICATION	44	29	26	20	13
27	ELECTROMAGNETIC COMPATIBILITY	4	5	3	5	4
28	SYSTEMS, MAN & CYBERNETICS	32	32	24	19	18
29	GEOSCIENCE & REMOTE SENSING	33	40	30	9	6
30	*** SOCIAL IMPLICATIONS OF TECHNOLOGY	4	3	4	0	-
31	POWER ENGINEERING	1	2	1	0	0
32	ELECTRICAL INSULATION	7	5	4	4	5
33	MAGNETICS	85	74	59	52	55
34	INDUSTRY APPLICATIONS	1	1	2	3	4
36	LASERS AND ELECTRO-OPTICS	77	38	38	37	36
	TOTALS	15,510	13,770	12,463	9,717	5,777

\* The former Broadcast, Cable and Consumer Electronics (BCCE) Society was divided in 1983 into two Societies: The Broadcast Technology Society and the Consumer Electronics Society. Counts shown for years 1980-1982 are those for the BCCE Society.

\*\* The former Council on Oceanic Engineering became the Oceanic Engineering Society in 1983.

\*\*\* The Society on Social Implications of Technology was established in 1981.

## SECTION E

TABLE 1 - TECHNICAL INTEREST PROFILE (TIP)

12/31/84

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

CODE	DESCRIPTION	01	02	03	04	05	06	07	08	09	10
01	ACOUSTICS, SPEECH & SIGNAL PROCESSING	1,249	767	402	338	455	1,177	245	466	31	313
02	BROADCASTING & CONSUMER ELECTRONICS	1,168	652	610	633	437	960	367	365	93	448
03	ANTENNAS AND PROPAGATION	676	550	325	163	343	866	132	332	28	266
04	CIRCUITS AND SYSTEMS	1,383	736	539	541	636	1,591	195	415	44	309
05	NUCLEAR AND PLASMA SCIENCES	329	318	223	152	124	545	69	112	8	77
06	VEHICULAR TECHNOLOGY	233	203	164	362	101	260	98	77	18	87
07	RELIABILITY	520	324	156	151	156	471	50	103	9	65
09	INSTRUMENTATION AND MEASUREMENT	420	279	199	170	151	425	90	124	25	94
10	AEROSPACE AND ELECTRONIC SYSTEMS	1,867	1,790	768	320	834	2,845	170	270	22	154
12	INFORMATION THEORY	258	163	74	70	85	300	48	132	14	99
13	INDUSTRIAL ELECTRONICS	1,104	946	779	854	632	950	435	450	107	473
14	ENGINEERING MANAGEMENT	2,963	2,518	1,690	1,282	1,362	3,092	521	648	241	447
15	ELECTRON DEVICES	1,088	508	237	277	409	1,499	94	308	29	397
16	COMPUTER SOCIETY	6,655	3,712	2,494	2,537	2,825	7,406	1,455	1,789	314	1,641
17	MICROWAVE THEORY AND TECHNIQUES	592	315	155	117	162	810	71	213	11	150
18	ENGINEERING IN MEDICINE AND BIOLOGY	737	445	263	431	295	659	157	219	43	154
19	COMMUNICATIONS	2,350	1,775	1,220	842	880	2,060	745	803	144	670
20	SONICS AND ULTRASONICS	134	76	42	50	42	136	17	40	4	48
21	COMPONENTS, HYBRIDS & MANUFACT. TECHNOL.	653	315	233	250	167	506	55	88	13	101
22	OCEANIC ENGINEERING	31	24	29	5	8	28	8	6	2	8
23	CONTROL SYSTEMS	495	430	319	292	267	667	144	307	41	206
25	EDUCATION	283	167	166	139	130	177	89	81	20	43
26	PROFESSIONAL COMMUNICATION	242	150	106	91	83	207	28	53	5	23
27	ELECTROMAGNETIC COMPATIBILITY	169	205	65	60	86	221	12	34	3	14
28	SYSTEMS, MAN AND CYBERNETICS	258	225	117	79	87	289	58	93	22	102
29	GEOSCIENCE AND REMOTE SENSING	80	93	51	38	219	121	42	40	5	26
30	SOCIAL IMPLICATIONS OF TECHNOLOGY	105	105	46	26	32	78	20	21		13
31	POWER ENGINEERING	2,834	2,570	2,875	2,365	2,266	3,167	1,148	993	516	945
32	ELECTRICAL INSULATION	139	80	52	67	22	62	43	74	8	56
33	MAGNETICS	228	126	56	145	58	422	18	75	3	99
34	INDUSTRY APPLICATIONS	1,138	1,238	1,061	972	938	1,166	496	199	118	211
35	POWER ELECTRONICS	14	7	6	8	5	7	4		1	1
36	QUANTUM ELECTRONICS & APPLICATIONS	390	202	128	81	134	460	68	130	10	160
37	SOLID STATE CIRCUITS	731	326	207	245	418	1,239	103	230	18	157
39	INTERDISCIPLINARY AND NEW ACTIVITIES	589	407	186	170	172	561	90	110	21	48
TOTAL		32,105	22,747	16,043	14,323	15,021	35,430	7,385	9,400	1,991	8,105

## SECTION E

TABLE 2 - 1983 SECTION/CHAPTER MEETING SUMMARY

(82% of Sections Reporting)

REGION	# MEETINGS HELD	NUMBER BY CLASSIFICATION				ATTENDANCE				PERCENT		
		TECH.	PROF.	SOCIAL	NOT REPORTED	MEMBERS	GUESTS	TOTAL	AVERAGE	TECH.	PROF.	SOCIAL
1	464	384	62	10	8	11,321	5,440	16,761	36.1	84.2	13.6	2.2
2	385	325	39	19	2	10,275	6,309	16,584	43.1	84.9	10.1	5.0
3	533	379	55	21	78	12,197	4,940	17,137	32.2	83.3	12.1	4.6
4	363	278	52	19	14	10,310	4,540	14,850	40.9	79.7	14.9	5.4
5	409	313	45	19	32	10,653	3,573	14,226	34.8	83.0	12.0	5.0
6	585	454	59	9	63	17,070	5,846	22,916	39.2	87.0	11.3	1.7
7	196	181	3	8	4	4,194	2,016	6,210	31.7	94.3	1.6	4.1
8	187	157	11	1	18	5,597	4,914	10,511	56.2	92.9	6.5	.6
9	155	140	12	3	0	5,624	2,865	8,489	54.8	90.3	7.7	2.0
<u>10</u>	<u>482</u>	<u>334</u>	<u>50</u>	<u>9</u>	<u>89</u>	<u>11,123</u>	<u>12,625</u>	<u>23,748</u>	<u>49.3</u>	<u>85.0</u>	<u>12.7</u>	<u>2.3</u>
TOTAL	3,759	2,945	388	118	308	98,364	53,067	151,432	40.3	85.3	11.3	3.4

Note: All Regions based on Meetings reported with classification.

## SECTION E

TABLE 3 - 1983 CHAPTER MEETINGS BY SOCIETY, BY REGION

REGION:	1	2	3	4	5	6	7	8	9	10	TOTAL
<u>SOCIETY:</u>											
ASSP-01	6	11	7	4	9	2	4	0	0	8	51
BT-02	2	0	0	0	0	0	1	0	0	4	7
AP-03	20	12	8	5	14	22	2	3	0	10	96
CAS-04	1	5	0	4	5	5	2	5	0	5	32
NPS-05	2	0	0	0	0	6	0	0	0	3	11
VT-06	3	8	0	0	6	6	0	0	0	12	35
R-07	14	15	0	0	6	12	4	0	0	0	51
CE-08	0	0	0	0	0	0	1	0	0	0	1
IM-09	7	6	0	1	1	2	2	0	0	4	23
AES-10	18	11	5	0	4	15	3	0	0	0	56
IT-12	5	3	0	1	2	12	18	0	0	2	43
IE-13	1	1	0	4	5	0	1	0	1	4	17
EM-14	10	19	2	8	0	10	3	0	5	0	57
ED-15	15	8	8	8	2	9	1	0	0	3	54
COMP-16	45	35	27	38	34	31	13	4	19	13	259
MTT-17	20	12	7	7	13	24	1	0	0	8	92
EMB-18	29	10	7	8	2	18	5	0	0	11	90
COMM-19	18	6	17	10	23	14	11	2	5	3	109
SU-20	7	6	0	0	0	11	0	0	0	7	31
CHMT-21	5	0	0	0	0	6	0	0	0	5	16
OE-22	0	0	0	0	0	1	0	0	0	0	1
CS-23	14	8	2	0	3	4	1	1	0	3	36
ED-25	1	0	0	0	0	0	1	2	0	9	13
PC-26	2	0	0	0	0	0	1	0	0	0	3
EMC-27	4	14	2	4	9	23	2	0	0	10	68
SMC-28	7	11	0	0	0	1	0	0	8	3	30
GRS-20	0	0	0	0	1	5	0	0	0	4	10
SIT-30	3	6	0	1	0	6	0	0	0	4	20
PE-31	45	48	56	42	62	78	12	5	5	28	381
EI-32	0	0	0	0	0	5	5	0	0	2	12
MAG-33	7	11	0	9	0	16	0	0	0	7	50
IA-34	24	25	24	20	30	45	5	0	1	9	183
QEA-36	11	4	0	0	8	4	0	0	0	0	27
<b>TOTAL</b>	<b>346</b>	<b>295</b>	<b>172</b>	<b>174</b>	<b>239</b>	<b>393</b>	<b>99</b>	<b>22</b>	<b>44</b>	<b>181</b>	<b>1965</b>

Not All Reporting Complete.

**SECTION E: TABLE 4 - SOCIETY and OTHER SPONSORED and COSPONSORED CONFERENCES SUMMARY, by SOCIETY, by REGION**  
12/31/84

DIV.	Society	REGIONS										Total
		1	2	3	4	5	6	7	8	9	10	
I	-Circuits and Systems	1					1	1			1	4
	-Components, Hybrids, and Manufacturing Technol.	1		2	1		1		1			6
	-Electron Devices	5	2	5			11				2	25
	-Quantum Electronics and Applications			2			3					5
	-Solid-State Circuits						1					1
II	-Electrical Insulation		1					1	2			4
	-Industry Applications		2	3	2		2	1				10
	-Instrumentation and Measurement		1				1		1			3
	-Power Electronics		1									1
III	-Broadcast Technology		1									1
	-Communications			1			4		5			10
	-Consumer Electronics				1							1
	-Vehicular Technology		1		1							2
IV	-Antennas and Propagation	1										1
	-Electromagnetic Compatability					1				1		2
	-Magnetics						1		1			2
	-Microwave Theory and Techniques	1					1			1		3
	-Nuclear and Plasma Sciences			2	1	3						6
V,VIII	-Computer	2	14	12	11	3	14	3	4		2	65
VI	-Education		1									1
	-Engineering Management		1									1
	-Professional Communication		1									1
	-Reliability						3					3
	-Social Implications of Technology		1									1
VII	-Power Engineering			1	1	3	1	1				7
IX	-Acoustics, Speech, and Signal Processing	1					2		1			4
	-Aerospace and Electronics Systems		4	1			3			1		9
	-Geoscience and Remote Sensing			1					1			2
	-Oceanic Engineering		1			1						2
	-Sonics and Ultrasonics		1			1						2
X	-Control Systems						2		1			3
	-Engineering in Medicine and Biology						3					3
	-Industrial Electronics				1						1	2
	-Information Theory											0
	-Robotics and Automation											0
	-Systems, Man, and Cybernetics					1		1			1	3
OTHER	-Not (Co)Sponsored by a Society	5	4	4	2	3	3	2		1		24
<b>Number of Conferences in Region*</b>		16	38	26	16	19	51	10	14	1	11	

\* Region numbers are not column totals since cosponsored conferences are listed under each Sponsor. 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, 1984

Region Number:	<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>1984</u>											
Section	22	25	45	23	22	36	18	24	16	22	253
Subsections	6	4	7	7	5	5	--	1	7	2	44
Chapters	136	104	72	62	60	104	55	31	26	50	700*
Councils	2	--	5	--	--	2	3	--	3	2	17
Student Branches	86	51	65	50	53	53	43	42	35	37	515
Student Branch Chapters	15	7	21	18	12	15	8	2	4	12	114
<hr/>											
<u>1983</u>											
Section	22	25	44	23	22	36	18	24	16	19	249
Subsections	6	4	8	7	5	4	--	1	7	3	45
Chapters	133	104	67	61	59	102	50	25	22	45	668*
Councils	2	--	5	--	--	2	3	--	3	2	17
Student Branches	85	50	63	50	50	51	41	42	35	33	500
Student Branch Chapters	14	7	21	17	11	13	8	2	2	11	106
<hr/>											
<u>1982</u>											
Section	22	25	44	23	22	35	18	24	17	18	248
Subsections	6	3	8	7	5	6	--	--	6	5	46
Chapters	129	102	65	58	59	98	48	19	19	37	634*
Councils	2	--	5	--	--	2	3	--	3	2	17
Student Branches	81	50	63	48	47	52	38	41	36	25	481
Student Branch Chapters	12	5	16	16	9	11	6	0	2	4	81
<hr/>											
<u>1981</u>											
Section	22	25	43	23	22	35	18	24	17	17	245
Subsections	6	3	10	8	4	5	--	--	6	6	48
Chapters	114	103	65	64	66	109	40	13	13	33	620*
Councils	1	--	5	--	--	2	3	--	2	2	15
Student Branches	78	49	60	48	47	51	38	41	34	18	464

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

SECTION F

TABLE 2 - IEEE COUNCIL, SECTION AND SUBSECTION ACTIONS 1984

COUNCIL/SECTION/SUBSECTION ACTIONS

REGION 3

Dissolution of the Muscle Shoals Subsection of the Huntsville Section was approved August 10, 1984.

The South Brevard - Indian River Section formed out of the Canaveral Section was approved December 1, 1984.

REGION 6

The Monterey Bay Subsection of the Santa Clara Valley Section was formed August 10, 1984.

REGION 10

The Hyderabad Subsection of the Bombay Section was elevated to Section May 14, 1984.

The Western Australia Section was formed out of the Australian Section May 14, 1984.

The Beijing Section which encompasses Mainland China was approved December 1, 1984.



SECTION FTABLE 3 - IEEE CHAPTER CHANGES IN 1984

<u>Region/Sections</u>	<u>New Chapters</u>	<u>Change in Status of Existing Chapter</u>
<u>REGION 1</u>		
Central New England Council	OE-22	
New Hampshire	COM-19	
New Jersey Coast		*AP-03/VT-06/EMC-27
<u>REGION 3</u>		
Atlanta	EM-14	
Central Georgia	COMP-16	
Huntsville	AES-10	
Palm Beach	COMP-16	
Tri-Cities	R-07	
<u>REGION 4</u>		
Calumet	IA-34	
<u>REGION 5</u>		
Corpus Christi	COMP-16	
Dallas/Fort Worth		EMB-18 - This Chapter was upgraded to include Fort Worth.
<u>REGION 6</u>		
Los Angeles Council	SIT-30	
Portland	SIT-30	
<u>REGION 7</u>		
Montreal	VT-06	
Northern Canada	PE-31	
Saskatchewan	COM-19/PE-31/IA-34	
<u>REGION 8</u>		
Egypt	COMP-16	
Israel	EM-14	
Spain	AES-10	
Spain	COMP-16	
Sweden		*AP-03/MTT-17
West Germany	MTT-17	
<u>REGION 9</u>		
Panama	IA-34	
Peru	PE-31	
Rio de Janeiro	PE-31	
Sao Paulo	IA-34	
<u>REGION 10</u>		
Madras	EM-14/IA-34	
Singapore	PE-31	
Victorian (Australian)	COM-19	

\* Existing Chapter which has become joint with new Chapters.

Note: No formal dissolutions of IEEE Society Chapters were approved during 1984.

SECTION F

TABLE 4 - Student Branch Changes

Formations

Region 1

Greater New Haven State Technical College

Region 2

University of the District of Columbia

Region 3

Florence-Darlington Technical College  
University of North Carolina-Chapel Hill

Region 5

DeVry Institute of Technology-Irving  
Oklahoma State University-Branch 'B'  
Texas Christian University

Region 6

Brigham Young University-Branch 'B'  
Harvey Mudd College

Region 7

Lakehead University  
University of Victoria

Region 10

Calicut Regional Engineering College  
Coimbatore Institute of Technology  
Manipal Institute of Technology  
Maruthi College of Engineering

There were no Student Branch dissolutions in 1984.

## SECTION G

TABLE 1 - 1984 IEEE NONSERIAL PUBLICATIONS OUTPUT

	Number of Items	Total Pages		Number of Items	Total Pages
Conference Records	134	68000	Preprints	564	3956
IEEE PRESS Books	11	4128	Standards	62	5384

TABLE 2 - IEEE PERIODICAL PUBLICATIONS OUTPUT - 1984 (Dist. Data as of 9/31/84)

Member Dist.	Non-M Dist.	Total Dist.	Periodical	Freq.	Total Pages	Edit. Pages	Adv. Pages
245664	3531	249195	SPECTRUM	12	2358	1069	1289
34468	3762	38230	PROCEEDINGS	12	1904	1868	36
<u>TRANSACTIONS &amp; JOURNALS</u>							
10196	1981	12177	ACOUSTICS, SPEECH & SIGNAL PROCESSING	6	1300		
6207	1677	7884	AEROSPACE & ELECTRONIC SYSTEMS	6	878		
5716	1877	7593	ANTENNAS & PROPAGATION	12	1452		
8590	2178	10768	AUTOMATIC CONTROL	12	1200		
5489	1756	7245	BIOMEDICAL ENGINEERING	12	984		
2793	1204	3997	*BROADCASTING	4	156		
7600	1993	9593	CIRCUITS & SYSTEMS	12	1116		
16834	2536	19370	COMMUNICATIONS	12	1428		
			COMPONENTS, HYBRIDS, & MANUFACTURING TECHNOLOGY	4	488		
2848	1428	4276	COMPUTER-AIDED DESIGN OF INTEGRATED CIRCUITS & SYSTEMS	4	372		
4391	1244	5635	COMPUTERS	12	1316		
14839	3000	17839	CONSUMER ELECTRONICS	4	772		
5534	1413	6947	EDUCATION	4	268		
2061	1244	3305	ELECTRICAL INSULATION	6	636		
1605	1297	2902	ELECTROMAGNETIC COMPATIBILITY	4	248		
2410	1347	3757	ELECTRON DEVICE LETTERS	12	604		
8564	1199	9763	ELECTRON DEVICES	12	2056		
7295	2125	9420	ENGINEERING MANAGEMENT	4	232		
7446	1483	8929	GEOSCIENCE & REMOTE SENSING	6	744		
1735	1245	2980	INDUSTRIAL ELECTRONICS	4	424		
4340	1623	5963	INDUSTRY APPLICATIONS	6	1832		
10548	17709	28257	*INFORMATION THEORY	6	948		
4702	1861	6563	INSTRUMENTATION & MEASUREMENT	6	368		
4894	1949	6843	*LIGHTWAVE TECHNOLOGY	6	1104		
2462	1178	3640	MAGNETICS	6	2224		
2952	1676	4628	*MEDICAL IMAGING	4	224		
2097	1072	3169	MICROWAVE THEORY & TECHNIQUES	12	1808		
7111	1968	9079	NUCLEAR SCIENCE	6	1688		
2057	1642	3699	OCEANIC ENGINEERING	5	420		
2123	1126	3249	PATTERN ANALYSIS & MACHINE INTELLIGENCE	6	856		
7413	1526	8939	PLASMA SCIENCE	4	304		
1070	1135	2205	POWER APPARATUS & SYSTEMS	12	3776		
4869	2184	7053	PROFESSIONAL COMMUNICATIONS	4	256		
2255	1267	3522	QUANTUM ELECTRONICS	12	1614		
3420	1812	5232	*RELIABILITY	5	476		
3430	1780	5210	*SELECTED AREAS IN COMMUNICATIONS	6	1096		
6637	1185	7822	SOFTWARE ENGINEERING	6	896		
15783	2580	18363	*SOLID-STATE CIRCUITS	6	1080		
11679	1925	13604	*SONICS & ULTRASONICS	6	716		
1884	1345	3229	*SYSTEMS, MAN & CYBERNETICS	6	972		
3818	1801	5619	VEHICULAR TECHNOLOGY	4	348		
2162	1225	3387	Total TRANSACTIONS & JOURNALS	286	39680		
229859	83796	313655					
<u>MAGAZINES</u>							
10390	977	11367	ASSP MAGAZINE	4	172	157	15
10632	1106	11738	CIRCUITS & SYSTEMS MAGAZINE	4	128	115	13
18906	1320	20226	COMMUNICATIONS MAGAZINE	12	892	772	120
77250	3179	80429	COMPUTER	12	1973	1453	520
12611	2187	14798	COMPUTER GRAPHICS & APPLICATIONS	12	1145	956	189
8690	1067	9757	CONTROL SYSTEMS MAGAZINE	4	164	120	44
9290	1092	10382	DESIGN & TEST OF COMPUTERS	4	531	435	96
6423	1074	7497	*ENGINEERING IN MEDICINE & BIOLOGY	4	216	206	10
8609	1081	9690	ENGINEERING MANAGEMENT REVIEW	4	324	324	0
22968	1708	24676	MICRO	6	628	610	18
20130	1052	21182	POWER ENGINEERING REVIEW	12	760	740	20
21141	1269	22410	SOFTWARE MAGAZINE	4	504	424	80
2922	1016	3938	*TECHNOLOGY & SOCIETY MAGAZINE	4	160	156	4
229962	18128	248090	Total MAGAZINES	86	7597	6468	1129

\*Estimated. Not all issues published at time of this report.

SECTION H

EDUCATIONAL ACTIVITIES

TABLE 1 - 1984 ACCREDITATION ACTIVITIES

Accreditation visits in support of the Accreditation Board for Engineering and Technology (ABET):

	<u>Engineering</u>	<u>Technology</u>
School Programs Inspected	66	67

TABLE 2 - 1984 CONTINUING EDUCATION COURSES

<u>Type</u>	<u>No. Held</u>	<u>Total Sites</u>	<u>Total Participants</u>	<u>Total Contact Hours</u>
Satellite Video Courses	4	260	8,300	41,500
*Satellite Taped Courses		23	2,090	9,850
Short Courses	3	3	77	1,068
Pre-Packaged Short Courses	8	8	180	3,050
Home Study Courses	41	---	<u>5,051</u>	<u>122,010</u>
Totals		294	15,698	177,478

\*Satellite Taped Courses are taped versions of the Satellite Video Courses.