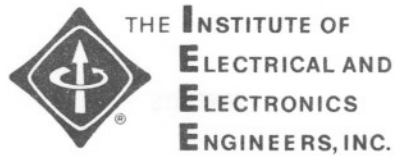


# **ANNUAL REPORT OF THE SECRETARY**

1981



**THE INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEERS, Inc.**  
345 East 47th Street, New York, N. Y. 10017



345 EAST 47th STREET, NEW YORK, NEW YORK 10017

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

Dear Members of the Board:

Part I of the Report of the Secretary for 1981 is presented herewith.  
It contains information on:

- IEEE Membership Statistics
- Student Branch Membership Statistics
- Society Membership and Chapter Statistics
- Society Affiliate Statistics
- Organizational Units of the IEEE by Region
- Publication Statistics

A new table has been included this year in Section C, reporting  
the number of Society memberships held by the individual IEEE  
members, by Region and Section.

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,

A handwritten signature in black ink, which appears to read "Dick C. J. Poortvliet", is written over a large, stylized oval scribble.

Dick C. J. Poortvliet  
Secretary, 1981

February 1982

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## SECTION A

Table 1 - IEEE Membership by Region, Grade, Percentage, as of December 31, 1981

	<u>H</u>	<u>F</u>	<u>SM</u>	<u>M</u>	<u>A</u>	<u>Subtotal</u>	<u>S</u>	<u>Total Membership</u>	<u>% of Total</u>
Region 1	1	992	4,585	28,232	2,844	36,654	6,405	43,059	20
Region 2		544	3,739	20,235	1,407	25,925	3,860	29,785	13
Region 3		344	2,610	14,055	1,080	18,089	4,621	22,710	10
Region 4	1	246	1,990	13,892	1,088	17,217	4,731	21,948	10
Region 5		186	1,872	14,441	865	17,364	4,214	21,578	10
Region 6	1	683	4,404	31,084	2,076	38,248	4,885	43,133	20
Subtotal	3	2,995	19,200	121,939	9,360	153,497	28,716	182,213	83
Region 7		78	816	6,983	1,263	9,140	2,824	11,964	5
Region 8		215	994	7,679	751	9,639	2,078	11,717	5
Region 9		11	190	3,148	369	3,718	1,456	5,174	2
Region 10		106	599	6,976	426	8,107	2,160	10,267	5
APO and FPO		1	19	360	28	408	4	412	
Total	3	3,406	21,818	147,085	12,197	184,509	37,238	221,747	100

Table 2 - IEEE Membership by Grade; 3-Year Comparison, 1979-1981

	<u>December 31, 1981</u>		<u>December 31, 1980</u>		<u>December 31, 1979</u>	
	<u>Number</u>	<u>% of Total</u>	<u>Number</u>	<u>% of Total</u>	<u>Number</u>	<u>% of Total</u>
Honorary (H)	3		1		1	
Fellow (F)	3,406	2	3,362	2	3,308	2
Senior Member (SM)	21,818	10	21,742	10	21,442	11
Member (M)	147,085	66	141,411	66	133,775	66
Associate (A)	12,197	5	12,514	6	11,908	6
Student (S)	37,238	17	34,782	16	31,239	15
Total	221,747	100	213,812	100	201,673	100

Table 3 - IEEE Membership by Region, Percentage; 3-Year Comparison, 1979-1981

	<u>December 31, 1981</u>		<u>December 31, 1980</u>		<u>December 31, 1979</u>	
	<u>Number</u>	<u>% of Total</u>	<u>Number</u>	<u>% of Total</u>	<u>Number</u>	<u>% of Total</u>
Region 1	43,059	20	41,580	19	39,340	20
Region 2	29,785	13	29,151	14	28,051	14
Region 3	22,710	10	21,643	10	20,344	10
Region 4	21,948	10	21,678	10	20,691	10
Region 5	21,578	10	20,607	10	19,509	10
Region 6	43,133	20	41,683	20	38,950	19
Subtotal	182,213	83	176,342	83	166,885	83
Region 7	11,964	5	11,922	6	11,784	6
Region 8	11,717	5	10,506	5	9,513	5
Region 9	5,174	2	5,038	2	4,624	2
Region 10	10,267	5	9,554	4	8,421	4
APO and FPO	412		450		446	
Total	221,747	100	213,812	100	201,673	100

SECTION A

Table 4 - IEEE Life Members by Grade; 3-Year Comparison

	<u>Dec. 31, 1981</u>	<u>Dec. 31, 1980</u>	<u>Dec. 31, 1979</u>
Fellow	1,541	1,526	1,491
Senior Member	4,552	4,206	3,901
Member	2,748	2,462	2,208
Associate	<u>227</u>	<u>196</u>	<u>177</u>
Total	9,068	8,390	7,777

Table 5 - IEEE Women Members by Grade; 3-Year Comparison

	<u>Dec. 31, 1981</u>	<u>Dec. 31, 1980</u>	<u>Dec. 31, 1979</u>
Fellow	10	9	7
Senior Member	78	71	62
Member	3,227	2,578	1,832
Associate	357	333	252
Student	<u>3,463</u>	<u>2,839</u>	<u>2,474</u>
Total	7,135	5,830	4,627

Table 6 - IEEE Membership by Grade; 1963 - 1981

<u>Year</u>	<u>H</u>	<u>F</u>	<u>SM</u>	<u>M</u>	<u>A</u>	<u>S</u>	<u>Total</u>
1963	5	2,589	26,274	82,750	14,215	28,676	154,509
1964	5	2,598	26,182	87,435	13,682	24,076	153,978
1965	5	2,682	26,387	87,916	12,949	24,259	154,198
1966	5	2,759	26,254	97,834	14,114	19,104	160,070
1967	4	2,817	25,411	94,746	12,991	22,248	158,217
1968	4	2,885	25,023	97,326	13,200	23,930	162,368
1969	4	2,917	24,815	101,058	13,235	24,319	166,348
1970	4	2,951	24,229	104,053	13,138	24,684	169,059
1971	4	3,004	23,802	105,919	12,766	20,987	166,482
1972	4	3,019	23,281	108,725	11,984	20,210	167,223
1973	4	3,017	22,561	108,854	11,210	22,169	167,815
1974	3	3,061	22,422	115,287	10,955	21,795	173,523
1975	2	3,058	22,133	119,567	10,738	24,318	179,816
1976	2	3,038	21,470	118,507	10,239	25,360	178,616
1977	2	3,087	21,207	122,839	10,603	25,283	183,021
1978	1	3,238	21,256	126,168	11,068	29,643	191,374
1979	1	3,308	21,442	133,775	11,908	31,239	201,673
1980	1	3,362	21,742	141,411	12,514	34,782	213,812
1981	3	3,406	21,818	147,085	12,197	37,238	221,747

SECTION A

Table 7 - IEEE Membership Changes, By Grade, During Calendar Year 1981, 3-Year Comparison

	<u>H</u>	<u>F</u>	<u>SM</u>	<u>M</u>	<u>A</u>	<u>Subtotal</u>	<u>S</u>	<u>Total</u>
Active Membership 12/31/80	1	3,362	21,742	141,411	12,514	179,030	34,782	213,812
<u>Additions</u>								
Elections	3		209	9,363	582	10,157	20,838	30,995
Dues Arrears Paid		137	1,253	14,024	1,335	16,749	2,530	19,279
Reinstatements		9	62	912	77	1,060	278	1,338
Transfers to	—	<u>219</u>	<u>1,215</u>	<u>15,268</u>	<u>1,981</u>	<u>18,683</u>	<u>2,529</u>	<u>21,212</u>
Total Additions	3	365	2,739	39,567	3,975	46,649	26,175	72,824
<u>Deletions</u>								
Resignations		10	104	651	87	852	54	906
Deceased	1	74	174	231	31	511	6	517
Dues Arrears		146	1,687	29,195	3,811	34,839	7,415	42,254
Transfers from	—	<u>91</u>	<u>698</u>	<u>3,816</u>	<u>363</u>	<u>4,968</u>	<u>16,244</u>	<u>21,212</u>
Total Deletions	1	321	2,663	33,893	4,292	41,170	23,719	64,889
Active Membership 12/31/81	3	3,406	21,818	147,085	12,197	184,509	37,238	221,747
Gain/Loss	+2	+44	+76	+5,674	-317	+5,479	+2,456	+7,935

	<u>December 31, 1981</u>	<u>December 31, 1980</u>	<u>December 31, 1979</u>
<u>Additions</u>			
Elections	30,995	29,547	26,399
Reinstatements	1,338	1,338	1,710
Dues Arrears Paid	<u>19,279</u>	<u>21,012</u>	<u>17,548</u>
Total Additions	51,612	51,897	45,657
<u>Deletions</u>			
Resignations	906	352	603
Deceased	517	452	417
Dues Arrears	<u>42,254</u>	<u>38,952</u>	<u>34,338</u>
Total Deletions	43,677	39,756	35,358
<u>Adjustment</u>		-2	
Net Gain/Loss	+7,935	+12,139	+10,299

## SECTION A

TABLE 8 - IEEE Membership By Region, By Section and Subsection, By Grade  
December 31, 1981

## REGION 1

<u>Section</u>	<u>H</u>	<u>F</u>	<u>SM</u>	<u>M</u>	<u>A</u>	<u>Subtotal</u>	<u>S</u>	<u>Subtotal</u>	<u>Section Total</u>
Berkshire		14	79	129	7	229	8		237
Binghamton		4	77	443	54	578	76		654
Boston	1	188	685	4590	311	5775	757	6532	8226
Merrimack Valley		14	98	1072	65	1249	136	1385	
Northshore		7	35	215	20	277	32	309	
Buffalo		9	117	539	55	720	258		978
Connecticut		24	162	1181	121	1488	250	1738	3624
Fairfield County		31	200	1075	89	1395	105	1500	
New London		3	30	275	23	331	55	386	
Ithaca		15	22	137	12	186	201		387
Long Island		67	428	2655	298	3448	263		3711
Maine		6	43	259	24	332	112		444
Mid-Hudson		12	111	810	64	997	70		1067
Mohawk Valley		8	59	320	18	405	60	465	655
Saint Lawrence Int'l		1	11	62	13	87	103	190	
New Hampshire		16	112	849	105	1082	195		1277
New Jersey Coast		80	230	1523	94	1927	81		2008
New York		43	333	2367	537	3280	1149	4429	6027
Westchester		58	188	1059	124	1429	169	1598	
North Jersey		151	582	3528	350	4611	504		5115
Princeton		78	249	1396	120	1843	348		2191
Providence		19	93	757	57	926	231		1157
Rochester		7	112	873	76	1068	251		1319
Schenectady		87	285	629	73	1074	298		1372
Springfield		5	32	173	17	227	227		454
Syracuse		30	124	592	26	772	250		1022
Vermont		12	39	319	53	423	86		509
Worcester County		3	49	405	38	495	130		625
TOTALS	1	992	4585	28232	2844	36654	6405		43059

## SECTION A

Table 8 - IEEE Membership By Region, By Section and Subsection, By Grade  
December 31, 1981

## REGION 2

Section	F	SM	M	A	Subtotal	S	Subtotal	Section Total
Akron	4	64	330	16	414	64		478
Allegheny Mountain	1	12	47	7	67	11		78
Baltimore	30	265	1495	90	1880	175	2055	3018
Annapolis	10	99	747	33	889	74	963	
Canton	1	24	154	6	185	38		223
Central Pennsylvania	6	51	169	8	234	250		484
Cincinnati	6	77	550	34	667	137		804
Cleveland	35	200	1053	85	1373	232		1605
Columbus	19	136	722	102	979	290	1269	1304
Zanesville		9	23	2	34	1	35	
Dayton	12	131	1028	77	1248	172		1420
Delaware Bay	3	54	288	16	361	58		419
Eastern Shore	4	20	84	18	126	9		135
Erie	4	54	148	9	215	38		253
Johnstown	1	23	78	13	115	37		152
Lehigh Valley	25	153	859	65	1102	250		1352
Lima	3	25	59	5	92	58		150
North Central Ohio	2	25	57	8	92	8		100
Northern Virginia	55	413	2870	168	3506	158		3664
Ohio Valley		7	67	5	79	10		89
Philadelphia	116	624	3406	254	4400	584		4984
Pittsburgh	76	414	1623	82	2195	432	2627	2766
Upper Monongahela	2	9	69	4	84	55	139	
Sharon	7	40	165	10	222	99		321
Southern New Jersey	3	22	136	10	171	17		188
Susquehanna	5	59	399	60	523	101		624
Washington	114	708	3458	206	4486	485		4971
West Virginia		21	151	14	186	17		203
TOTALS	544	3739	20235	1407	25925	3860		29785



## SECTION A

Table 8 - IEEE Membership By Region, By Section and Subsection, By Grade  
December 31, 1981

## REGION 3

Section	F	SM	M	A	Subtotal	S	Subtotal	Section Total
Alabama	5	107	422	10	544	124	668	1008
Montgomery	1	24	118	8	151	189	340	
Atlanta	32	203	1340	139	1714	562	2276	2446
Rome		18	35	8	61	7	68	
Central Georgia		8	79	4	91	11	102	
Baton Rouge	2	20	217	4	243	156		399
Broward	17	71	483	48	619	30		649
Canaveral	13	86	733	40	872	91		963
Central North Carolina	2	28	174	9	213	33		246
Central Savannah River		9	104	3	116	9		125
Central Virginia	21	71	320	19	431	96		527
Charlotte	10	108	418	44	580	90		670
Chattanooga	4	67	192	25	288	41		329
Coastal South Carolina	4	40	171	11	226	63		289
Columbia	2	36	224	11	273	48		321
Daytona	6	33	118	8	165	6		171
Eastern North Carolina	18	113	672	72	875	216	1091	1158
Lower Cape Fear		9	41	7	57	10	67	
East Tennessee	7	88	454	19	568	197		765
Evansville-Owensboro	1	25	164	8	198	67	265	338
Paducah		1	38	7	46	27	73	
Florida West Coast	42	192	810	59	1103	156	1259	1539
Sarasota Bradenton	34	105	124	13	276	4	280	
Fort Walton		9	141	5	155	11		166
Gainesville	12	33	131	3	179	140		319
Hampton Roads	3	54	439	23	519	101		620
Huntsville	3	61	590	30	684	102	786	840
Muscle Shoals		7	39		46	8	54	
Jacksonville		33	131	13	177	4		181
Lexington	1	16	163	3	183	48		231
Louisville	3	54	278	20	355	260		615
Memphis		43	187	40	270	190	460	533
Jackson		4	41	8	53	20	73	
Miami	12	114	604	48	778	126		904
Middle Tennessee		15	46	3	64	7		71
Mississippi	1	18	245	7	271	63	334	485
NE Mississippi	1	9	44	1	55	96	151	
Mobile	1	16	127	9	153	89		242
Nashville	6	52	232	13	303	287		590
New Orleans	2	85	592	46	725	133		858
Oak Ridge	4	33	138	5	180	23		203
Orlando	15	112	622	54	803	71		874
Palm Beach	26	94	391	50	561	36		597
Panama City	2	8	50	4	64	6	70	145
Tallahassee	2	7	33	4	46	29	75	
Pensacola	1	8	86	5	100	13		113
Piedmont	4	39	256	27	326	121		447
Richmond	5	50	367	28	450	20		470
Savannah	2	14	59	3	78	37		115
Tri Cities	1	17	140	17	175	23		198
Virginia Mountain	4	87	255	16	362	318		680
Western North Carolina	10	32	74	3	119	4		123
Winston-Salem	2	24	103	16	145	2		147
TOTALS	344	2610	14055	1080	18089	4621		22710

## SECTION A

TABLE 8 - IEEE Membership Region, BY Section and Subsection, By Grade  
December 31, 1981

## REGION 4

Section	H	F	SM	M	A	Subtotal	S	Subtotal	Section Total
Arrowhead			13	133	8	154	34		188
Calumet		3	34	316	38	391	163		554
Cedar Rapids		6	60	289	20	375	51		426
Central Illinois	1	36	79	374	15	505	345		850
Central Indiana		19	117	870	60	1066	435	1501	
Bloomington		3	18	82	7	110	20	130	1631
Central Iowa		3	43	188	15	249	210		459
Chicago		38	228	1325	105	1696	429	2125	
Fox Valley		11	150	1149	84	1394	72	1466	
Northwest		9	176	1288	109	1582	112	1694	5285
Fort Wayne		6	59	255	20	340	68		408
Illinois Valley			18	127	7	152	50		202
Iowa-Illinois		1	45	192	17	255	18		273
Madison		8	55	238	11	312	242		554
Michiana		3	23	193	26	245	159		404
Milwaukee		17	146	922	74	1159	391	1550	
Racine-Kenosha		3	11	66	20	100	27	127	1677
Nebraska		3	75	412	75	565	136		701
Northeast Michigan		1	27	198	12	238	59		297
Northeastern Wisconsin		1	18	204	26	249	33	282	
Upper Peninsula			16	75	7	98	142	240	522
Rock River Valley		1	11	192	18	222	20		242
Siouxland		1	18	96	11	126	71		197
Southeastern Michigan			45	260	155	2437	881		3318
Southern Minnesota			6	214	9	229	15		244
Toledo		2	50	248	27	327	84		411
Twin Cities		25	166	1743	77	2011	193	2204	
Missouri Slope			1	70	1	72	9	81	2618
Red River Valley			13	127	2	142	191	333	
West Michigan		1	43	251	26	321	34	355	
Kalamazoo-Battle Creek			11	78	6	95	37	132	487
TOTALS	1	246	1990	13892	1088	17217	4731		21948

## SECTION A

TABLE 8 - IEEE Membership By Region, By Section and Subsection, By Grade  
December 31, 1981

<u>REGION 5</u>	<u>F</u>	<u>SM</u>	<u>M</u>	<u>A</u>	<u>Subtotal</u>	<u>S</u>	<u>Subtotal</u>	<u>Section Total</u>
Arkansas	3	46	262	14	325	52		377
Beaumont	1	23	164	8	196	69		265
Central Texas	23	108	1089	43	1263	463		1726
Corpus Christi	1	20	138	30	189	118		307
Dallas	31	250	2609	121	3011	221		3232
Denver	40	293	2145	116	2594	459	3053	3199
Black Hills		8	57		65	81	146	
El Paso	2	51	263	18	334	120		454
Fort Worth	3	88	758	43	892	130		1022
Galveston Bay	1	31	413	18	463	57		520
Houston	11	194	2105	131	2441	692	3133	3216
Freeport		12	68	2	82	1	83	
Kansas City	10	158	726	100	994	343	1337	1474
Springfield-Joplin	1	20	68	8	97	40	137	
Lafayette	1	3	133	5	142	77		219
Oklahoma City	6	82	312	22	422	57		479
Ozark	2	24	82	4	112	69		181
Panhandle	1	23	105	11	140	5		145
Permian Basin		6	67	6	79	4		83
Pikes Peak	3	37	374	19	433	79		512
Saint Louis	29	202	1423	74	1728	644		2372
Shreveport	2	31	174	10	217	111	328	373
Monroe		2	31	1	34	11	45	
South Plains	5	17	130	6	158	151		309
Tulsa	7	88	394	37	526	92		618
*West Central Texas	1	12	61	5	79	5		84
Wichita	2	43	290	13	348	63		411
TOTALS	186	1872	14441	865	17364	4214		21578

\*Dissolved December 4, 1981.

## SECTION A

Table 8 - IEEE Membership By Region, By Section and Subsection, By Grade  
December 31, 1981

REGION 6	H	F	SM	M	A	Subtotal	S	Subtotal	Section Total
Alamogordo-Holloman		1	8	25	1	35	4		39
Alaska		0	4	149	19	172	7	179	237
Interior Alaska		0	6	36	4	46	12	58	
Albuquerque		19	91	614	41	765	74		839
Boise		1	22	166	10	199	8		207
Buenaventura		5	67	681	48	801	24		825
China Lake		0	11	173	10	194	6		200
Foothill		9	120	793	64	986	75		1061
Eastern Montana		0	2	49	3	54	3		57
Fort Huachuca		0	16	103	8	127	5		132
Hawaii		9	36	444	37	526	28		554
Idaho		1	14	96	3	114	18		132
Las Vegas		1	16	117	14	148	6		154
Los Alamos		1	45	143	6	195	10		205
Metropolitan Los Angeles		28	99	608	42	777	194		971
Montana		0	19	117	5	141	50		191
Oakland-East Bay		50	230	1628	108	2016	476		2492
Orange County		21	281	2053	113	2468	191	2659	3784
Saddleback		21	130	836	65	1052	73	1125	
Phoenix		32	267	1773	112	2184	291		2475
Portland		31	183	1219	69	1502	119	1621	2076
Eugene		7	32	242	21	302	153	455	
Richland	1	2	36	209	12	260	48		308
Sacramento		4	79	575	33	691	382	1073	1404
Reno		4	22	97	8	131	62	193	
San Joaquin		2	14	101	6	123	15	138	
San Diego		35	275	1618	107	2035	134		2169
San Fernando Valley		20	256	1419	127	1822	161		1983
San Francisco		21	189	1147	105	1462	131		1593
San Gabriel Valley		23	124	637	57	841	89		930
Santa Barbara		16	79	373	26	494	191		685
Santa Clara Valley		177	757	6741	404	8079	646		8725
Santa Monica Bay		59	182	1004	88	1333	214		1547
Seattle		29	255	2014	126	2424	203		2627
South Bay Harbor		19	210	1761	97	2087	164		2251
Spokane		4	42	221	10	277	260		537
Tucson		19	106	437	26	588	120		708
Utah		12	56	515	29	612	231		843
Vandenberg		0	13	117	10	140	6		146
Wenatchee		0	10	33	2	45	1		46
TOTALS	1	683	4404	31084	2076	38248	4885		43133

## SECTION A

Table 8 - IEEE Membership By Region, By Section and Subsection, By Grade  
December 31, 1981

<u>REGION 7</u>	<u>F</u>	<u>SM</u>	<u>M</u>	<u>A</u>	<u>Subtotal</u>	<u>S</u>	<u>Subtotal</u>	<u>Section Total</u>
Bay of Quinte	1	38	160	22	221	63		284
Canadian Atlantic	4	16	174	14	208	70		278
Hamilton	2	49	294	117	462	195		657
Kitchener-Waterloo	1	33	199	65	298	148		446
London	1	22	169	73	265	183		448
Montreal	19	133	1205	106	1463	467		1930
New Brunswick		17	115	7	139	76		215
Newfoundland-Labrador		6	66	2	74	30		104
Northern Canada		19	320	43	382	141		523
Ottawa	10	115	1105	132	1362	171		1533
Quebec	1	8	119	8	136	94		230
Saint Maurice		1	34	2	37	13		50
Saskatchewan	1	19	149	29	198	149		347
Southern Alberta	2	16	338	56	412	80		492
Toronto	26	171	1614	383	2194	554		2748
Vancouver	5	94	603	92	794	211		1005
Victoria	3	17	74	24	118	6		124
Winnipeg	2	42	245	88	377	173		550
<b>TOTALS</b>	<b>78</b>	<b>816</b>	<b>6983</b>	<b>1263</b>	<b>9140</b>	<b>2824</b>		<b>11964</b>

## SECTION A

Table 8 - IEEE Membership By Region, By Section And Subsection, By Grade  
December 31, 1981

<u>REGION 8</u>	<u>F</u>	<u>SM</u>	<u>M</u>	<u>A</u>	<u>Subtotal</u>	<u>S</u>	<u>Subtotal</u>	<u>Section Total</u>
Austria	3	11	60	6	80	2		82
Benelux	19	96	752	63	930	350		1280
Denmark	1	20	226	18	265	45		310
Egypt	6	22	90	7	125	43		168
Finland		5	131	10	146	112		258
France	34	79	512	63	688	72		760
Germany (West)	27	92	579	82	780	66		846
Greece	3	19	186	20	228	85		313
Iran		4	45	1	50	1		51
Israel	13	41	339	24	417	86		503
Middle & South Italy	4	21	225	30	280	111		391
Nigeria		3	173	12	188	16		204
North Italy	12	22	435	66	535	174		709
Norway	2	26	138	12	178	13		191
Poland	2	40	6	2	50	2		52
Portugal		2	67	8	77	12		89
Saudi Arabia	1	25	383	24	433	10		443
South Africa	1	17	107	6	131	7		138
Spain		17	313	35	365	210		575
Sweden	11	52	331	28	422	151		573
Switzerland	18	83	641	62	804	132		936
U K & Rep of Ireland	54	232	1235	119	1640	242		1882
Yugoslavia		6	110	6	122	36		158
Members not Assigned to Sections	4	59	595	47	705	100		805
<b>TOTALS</b>	<b>215</b>	<b>994</b>	<b>7679</b>	<b>751</b>	<b>9639</b>	<b>2078</b>		<b>11717</b>

## SECTION A

Table 8 - IEEE Membership By Region, By Section And Subsection, By Grade  
December 31, 1981

<u>REGION 9</u>	<u>F</u>	<u>SM</u>	<u>M</u>	<u>A</u>	<u>Subtotal</u>	<u>S</u>	<u>Subtotal</u>	<u>Section Total</u>
Argentina	3	19	233	33	288	181		469
Bahia		1	60	2	63	25		88
Bolivia			16		16	2		18
Brazilia		1	29	4	34	7		41
Central America			2		2		2	251
Costa Rica		2	31	4	37	1	38	
El Salvador		2	33	1	36	1	37	
Guatemala		6	77	6	89	50	139	
Honduras			20	1	21	2	23	
Nicaragua			11	1	12		12	
Chile		8	97	24	129	69		198
Colombia		10	149	38	197	277		474
Ecuador		4	44	27	75	67		142
Jamaica		5	45	10	60			60
Mexico	3	34	587	57	681	238	919	968
Guadalajara	1	4	37	3	45	4	49	
Monterrey		4	224	12	240	186		426
Panama		4	77	6	87	10		97
Peru		4	104	4	112	57		169
P R & Virgin Is		19	203	24	246	59		305
Rio de Janeiro	3	21	190	19	233	11		244
Sao Paulo	1	14	398	41	454	111		565
Venezuela		16	360	26	402	91		493
Members not Assigned to Sections		12	121	26	159	7		166
<b>TOTALS</b>	<b>11</b>	<b>190</b>	<b>3148</b>	<b>369</b>	<b>3718</b>	<b>1456</b>		<b>5174</b>

## SECTION A

Table 8 - IEEE Membership By Region, By Section And Subsection, By Grade  
December 31, 1981

<u>REGION 10</u>	<u>F</u>	<u>SM</u>	<u>M</u>	<u>A</u>	<u>Subtotal</u>	<u>S</u>	<u>Subtotal</u>	<u>Section Total</u>
Australia	4	64	802	48	918	117	1035	1460
Victoria	1	15	344	20	380	45	425	
Bangalore		25	93	4	122	30	152	230
Kerala		6	50	4	60	18	78	
Bombay	4	69	226	22	321	91	411	535
Hyderabad		4	27	5	36	87	123	
Calcutta		16	119	3	138	71	209	272
Kharagpur		1	25	1	27	36	63	
Delhi	1	33	126	9	169	42	211	276
Uttar Pradesh		9	37		46	19	65	
Hong Kong	2	18	1186	72	1278	395		1673
Korea		10	201	9	220	389		609
Madras	1	17	118	10	146	295		441
Malaysia		1	117	8	126	3		129
New Zealand North		8	66	7	81	13		94
New Zealand South	1	4	103	3	111	47		158
Pakistan		17	61	3	81	1	82	148
Karachi		4	53	4	61	5	66	
Philippines	1	2	74	5	82	15		97
Singapore		3	314	28	345	125		470
Taipei		9	184	11	204	83		287
Thailand		4	97	6	107	35		142
Tokyo	91	245	2453	128	2917	189		3106
APO & FPO	1	19	360	28	408	4		412
Members not Assigned to Sections		15	100	16	131	9		140
<b>TOTALS</b>	<b>107</b>	<b>618</b>	<b>7336</b>	<b>454</b>	<b>8515</b>	<b>2164</b>		<b>10679</b>



## SECTION A

Table 9 - IEEE Membership in Region 8 Not Assigned to Sections, by Country, by Grade  
December 31, 1981 - 3 Year Comparison

Country	F	SM	M	A	S	12/31/81 Total	12/31/80 Total	12/31/79 Total
Algeria			8	1	1	10	12	13
Arab Republic							2	
Bahrein		1	31			32	22	16
Bulgaria		1	1	1	3	6	3	6
Cameroon			3			3	*	*
Cyprus		3	21			24	25	22
Czechoslovakia		4	8	4	1	17	16	15
Ethiopia								1
Gabon			1			1	*	*
Ghana			4	1		5	*	*
Gibraltar			1			1	1	2
Hungary		6	4			10	11	11
Iceland			27	2	2	31	32	14
Iraq		3	37	3	2	45	43	41
Ivory Coast			4			4	*	*
Jordan		3	43		2	48	41	25
Kenya		3	34	3	4	44	*	*
Kuwait		6	73	4	52	135	100	52
Lebanon		1	6		2	9	19	12
Liberia			7			7	*	*
Liechtenstein			3			3	3	3
Malawi			3	1		4	*	*
Mali							1	
Malta			4	1		5	5	8
Monaco			1			1		
Morocco			12		3	15	20	7
Muscat/Oman/United Arab Emirates		3	72	7		82	58	54
Portugal							86	67
Qatar		1	16	1		18	19	18
Rumania		3	7		2	12	14	16
Saudi Arabia						**	288	235
Senegal				1		1	*	*
Sierra Leone			2			2	*	*
S P Libyan Arab Jamahira			38	5	2	45	50	44
Sudan			8	1		9	9	9
Swaziland			1			1	*	*
Syria			11	3		14	19	20
Tanzania			7	1		8	*	*
Tunisia			1			1	1	1
Turkey	1	4	45	4	25	79	84	87
Uganda			3		1	4	*	*
USSR	2	11	4		1	18	7	33
Yemen			1			1		
Zaire			5			5	*	*
Zambia		5	22	1		28	*	*
Zimbabwe		1	7	1	1	10	*	*
Members Not Assigned to IEEE Sections	3	59	586	46	104	798	991	832
Members Assigned to IEEE Sections	212	935	7093	705	1974	10919	9515	8681
TOTAL, REGION 8	215	994	7679	751	2078	11717	10506	9513

\*Members in Southern African continent reassigned from Region 10 in 1981. See page 16.

\*\*Saudi Arabia Section formed in 1981. See page 11.

## SECTION A

Table 10 - IEEE Membership in Region 9 Not Assigned to Sections, by Country, by Grade  
December 31, 1981 - 3 Year Comparison

<u>Country</u>	<u>F</u>	<u>SM</u>	<u>M</u>	<u>A</u>	<u>S</u>	<u>12/31/81 Total</u>	<u>12/31/80 Total</u>	<u>12/31/79 Total</u>
Bahamas & Bermuda		7	21	9	2	39	31	37
Barbados			11	1		12	11	
Belize			2			2		3
Brazil								71
Cuba		2	1			3	3	3
Dominican Republic			14	1	2	17	15	16
French Guiana							1	
Guyana		1	11	1		13	9	10
Haiti			3	1		4		6
Leeward Islands		1	1			2	1	2
Netherland Antilles			5			5	7	3
Paraguay			1	1	1	3	7	
Surinam			3			3	1	1
Trinidad & Tobago		1	29	8	2	40	38	31
Uruguay			18	2		20	16	14
Windward Islands								11
Members Not Assigned to IEEE Sections		12	120	24	7	163	140	208
Members Assigned to IEEE Sections	11	178	3028	345	1449	5011	4898	4416
TOTAL, REGION 9	11	190	3148	369	1456	5174	5038	4624

## SECTION A

Table 11 - IEEE Membership in Region 10 Not Assigned to Sections, by Country, by Grade  
December 31, 1981 - 3 Year Comparison

Country	F	SM	M	A	S	12/31/81 Total	12/31/80 Total	12/31/79 Total
Bangladesh		5	4			9	11	12
Batsutoland						*	1	
Brunei		1	9	1		11	9	6
Burma			3			3	5	3
Cameroon						*	2	
China		1	7			8	4	1
Fiji Islands			7			7	3	3
Gabon						*	1	1
Ghana						*	8	6
Guam		1	5	1		7	11	11
Indonesia			31	7	2	40	29	33
Ivory Coast						*	2	1
Kenya						*	33	36
Liberia						*	4	2
Macao							1	1
Malawi						*	7	6
Mariana Islands							1	1
Mauritius			3	3		6	6	8
Mozambique							1	
Nepal			2	1	1	4	2	3
New Guinea			9	1		10	13	10
Saipan		1				1		
Senegal						*	3	1
Sierra Leone						*	1	1
Sri Lanka		5	12	1	1	19	20	13
Swaziland						*	2	1
Tanzania						*	7	5
Uganda						*	6	4
Vietnam, North & South		1				1	1	1
Zaire						*	3	2
Zambia						*	31	30
Zimbabwe						*	11	7
Members Not Assigned to IEEE Sections		15	92	15	4	126	239	209
Members Assigned to IEEE Sections	106	584	6884	411	2156	10141	9315	8212
APO and FPO	1	19	360	28	4	412	450	446
TOTAL, REGION 10	107	618	7336	454	2164	10679	10004	8867

\*Southern African Continent Reassigned to Region 8 in 1981. See page 14.

SECTION A

TABLE 12 - IEEE SECTION AND SUBSECTION ACTIONS 1981

SECTION/SUBSECTION ACTIONS

REGION 3

The Upper East Tennessee Subsection of the East Tennessee Section was upgraded to Section status.

The new Tri-Cities Section was formed and approved September 21, 1981.

REGION 5

The West Central Texas Section was dissolved on December 4, 1981.

REGION 8

The Saudi Arabia Section was formed and approved June 5, 1981.

The Portugal Section was formed and approved December 4, 1981.

REGION 10

The Kharagpur Subsection of the Calcutta Section was formed and approved June 5, 1981.

The Hyderabad Subsection of the Bombay Section was formed and approved June 5, 1981.

## SECTION B

Table 1 IEEE Student Branches and Student Branch Membership, 1981

Membership as of December 31, 1981

The total number of Student Branches is now 464, operating as follows:

IEEE Four Year Student Branches  
\*IEEE Less than Four Year Student Branches

SCHOOL	SECTION LOCATION	REGION	MEMBERSHIP 1981
Broome Community College*	Binghamton	01	27
Boston University	Boston	01	129
Franklin Institute of Boston*	Boston	01	17
Massachusetts Institute of Technology	Boston	01	304
Northeastern University	Boston	01	192
Tufts University	Boston	01	51
Wentworth Institute of Technology*	Boston	01	29
Lowell, University of	Boston	01	128
Merrimack College	Boston	01	21
New York Agricultural and Technical College, Alfred*	Buffalo	01	27
New York College at Buffalo, State University of	Buffalo	01	71
New York, State University of, Buffalo (C)	Buffalo	01	159
Bridgeport, University of	Connecticut	01	50
Bridgeport Engineering Institute*	Connecticut	01	33
Connecticut, University of	Connecticut	01	47
Hartford, University of	Connecticut	01	61
New Haven, University of	Connecticut	01	37
Ward Technical College*	Connecticut	01	18
Waterbury State Technical College	Connecticut	01	41
United States Coast Guard Academy	Connecticut	01	39
Cornell University	Ithaca	01	240
Hofstra University	Long Island	01	19
New York, State University of, Farmingdale*	Long Island	01	8
New York, State University of, Stony Brook*	Long Island	01	115
Polytechnic Institute of New York, L.I. Center	Long Island	01	49
Maine, University of	Maine	01	104
Clarkson College of Technology	Mohawk Valley	01	107
New York Agricultural and Technical College, Canton*	Mohawk Valley	01	54
New York, State University of, Utica	Mohawk Valley	01	41
Hesser College	New Hampshire	01	48
New Hampshire, University of	New Hampshire	01	120
New Hampshire Vocational Technical College*	New Hampshire	01	15
Academy of Aeronautics* (C)	New York	01	41
Bramson ORT Technical Institute*	New York	01	4
Bronx Community College - Day Division	New York	01	16
Bronx Community College - Evening Division	New York	01	3
City College of New York	New York	01	205
Columbia University	New York	01	144
Cooper Union	New York	01	46
Manhattan College	New York	01	103
New York, State University of, Maritime College	New York	01	6
New York City Technical College*	New York	01	27
New York Institute of Technology	New York	01	43
Polytechnic Institute of New York (C)	New York	01	266
Pratt Institute	New York	01	129
Queens College	New York	01	13
Queensborough Community College (C)	New York	01	51
Staten Island, College of, Sunnyside Campus*	New York	01	52
Staten Island, College of, St. George Campus	New York	01	18
Technical Career Institutes* (C)	New York	01	50
Westchester Community College*	New York	01	43
Fairleigh Dickinson University - Day Division	North Jersey	01	70
Morris, County College of*	North Jersey	01	32
New Jersey Institute of Technology	North Jersey	01	231
Stevens Institute of Technology	North Jersey	01	86
Union County Technical Institute*	North Jersey	01	20
Middlesex County College*	Princeton	01	25
Princeton University	Princeton	01	57

( ) = Also has Student Branch Chapter of the indicated Society: C=Computer, EMB=Engineering in Medicine and Biology, P=Power Engineering.

<u>SCHOOL</u>	<u>SECTION LOCATION</u>	<u>REGION</u>	<u>MEMBERSHIP 1981</u>
Rutgers University	Princeton	01	243
Trenton State College	Princeton	01	69
Brown University	Providence	01	72
Rhode Island, University of	Providence	01	61
Roger Williams College	Providence	01	16
Southeastern Massachusetts University (C)	Providence	01	97
Rochester, University of	Rochester	01	76
Rochester Institute of Technology Branch A (C)	Rochester	01	244
Rochester Institute of Technology Branch B	Rochester	01	12
Hudson Valley Community College*	Schenectady	01	17
Rensselaer Polytechnic Institute	Schenectady	01	220
Union College	Schenectady	01	57
Massachusetts, University of	Springfield	01	250
Western New England College	Springfield	01	49
Syracuse University (C, EMB)	Syracuse	01	278
Norwich University	Vermont	01	15
Vermont, University of	Vermont	01	35
Vermont Technical College*	Vermont	01	34
Worcester Polytechnic Institute	Worcester	01	106
Monmouth College	New Jersey Coast	01	27
Akron, University of	Akron	02	74
Anne Arundel Community College*	Baltimore	02	11
John Hopkins University	Baltimore	02	105
United States Naval Academy	Baltimore	02	13
Bucknell University	Central Pennsylvania	02	16
Pennsylvania State University	Central Pennsylvania	02	351
Cincinnati, University of	Cincinnati	02	138
Case Western Reserve University	Cleveland	02	121
Cleveland State University	Cleveland	02	76
John Carroll University	Cleveland	02	2
Franklin University*	Columbus	02	12
Ohio Institute of Technology	Columbus	02	67
Ohio State University (C)	Columbus	02	172
Ohio University	Columbus	02	53
Dayton, University of	Dayton	02	44
Dayton, University of, Technical Institute*	Dayton	02	43
Sinclair College*	Dayton	02	1
United States Air Force Institute of Technology	Dayton	02	35
Wright State University (C)	Dayton	02	38
Delaware, University of	Delaware Bay	02	32
Capitol Institute of Technology	Washington	02	14
Catholic University of America	Washington	02	34
George Washington University (C)	Washington	02	150
Howard University	Washington	02	45
Maryland, University of	Washington	02	352
Gannon College	Erie	02	35
Pittsburgh, University of, Johnstown	Johnstown	02	29
Lafayette College	Lehigh Valley	02	56
Lehigh University	Lehigh Valley	02	127
Wilkes College	Lehigh Valley	02	34
Northern Ohio University	Lima	02	67
Drexel University - Day Division (C)	Philadelphia	02	203
Drexel University - Evening Division	Philadelphia	02	45
Pennsylvania, University of (C)	Philadelphia	02	120
Spring Garden College	Philadelphia	02	21
Swarthmore College	Philadelphia	02	16
Temple University - College of Engineering Technology	Philadelphia	02	51
Villanova, University of	Philadelphia	02	66
Widener College	Philadelphia	02	24
Carnegie Mellon University	Pittsburgh	02	223
Pennsylvania State University, McKeesport Campus*	Pittsburgh	02	10
Pittsburgh, University of	Pittsburgh	02	121
Stubenville, College of	Pittsburgh	02	17
West Virginia University	Pittsburgh	02	92
Grove City College	Sharon	02	37
Youngstown State University	Sharon	02	55
Pennsylvania State University, York Campus*	Susquehanna	02	14
Pennsylvania State University, Capitol Campus	Susquehanna	02	78
West Virginia Institute of Technology	West Virginia	02	14

( ) = Also has Student Branch Chapter of the indicated Society: C=Computer, EMB=Engineering in Medicine and Biology, P=Power Engineering.

<u>SCHOOL</u>	<u>SECTION LOCATION</u>	<u>REGION</u>	<u>MEMBERSHIP 1981</u>
Alabama, University of (C)	Alabama	03	67
Alabama, University of, Birmingham	Alabama	03	32
Auburn University (C)	Alabama	03	250
Tuskegee Institute	Alabama	03	32
Dekalb Community College*	Atlanta	03	26
DeVry Institute of Technology, Atlanta*	Atlanta	03	17
Georgia Institute of Technology (C, EMB, P)	Atlanta	03	516
Southern Technical Institute	Atlanta	03	28
Louisiana State University, Baton Rouge	Baton Rouge	03	115
Southern University	Baton Rouge	03	88
Florida A & M University	Tallahassee	03	28
Florida Institute of Technology (C)	Canaveral	03	86
Virginia, University of	Central Virginia	03	97
Chattanooga State Technical Institute*	Chattanooga	03	16
Tennessee, University of (C)	East Tennessee	03	234
Evansville, University of	Evansville-Owensboro	03	34
Indiana State University	Evansville-Owensboro	03	17
Murray State University	Evansville-Owensboro	03	31
South Florida, University of (C)	Florida West Coast	03	142
Florida, University of	Gainesville	03	155
Old Dominion University	Hampton Roads	03	93
Tidewater Community College*	Hampton Roads	03	9
Alabama, University of, Huntsville	Huntsville	03	77
Kentucky, University of	Lexington	03	65
Louisville, University of	Louisville	03	209
Western Kentucky University	Louisville	03	41
Christian Brother's College	Memphis	03	60
Memphis State University	Memphis	03	56
State Technical Institute at Memphis*	Memphis	03	31
Tennessee, University of, Martin	Memphis	03	18
Florida International University	Miami	03	33
Miami, University of (C)	Miami	03	84
Mississippi, University of	Mississippi	03	26
Mississippi State University	Mississippi	03	137
Southern Mississippi, University of	Mississippi	03	31
South Alabama, University of	Mobile	03	83
Tennessee State University	Nashville	03	33
Tennessee Technological University	Nashville	03	150
Vanderbilt University	Nashville	03	154
New Orleans, University of	New Orleans	03	41
Tulane University (C)	New Orleans	03	50
Central Florida, University of (C)	Orlando	03	73
Florida Atlantic University	Palm Beach	03	43
Georgia Southern College	Savannah	03	29
Savannah State College	Savannah	03	12
Virginia Military Institute	Virginia Mountain	03	29
Virginia Polytechnic Institute	Virginia Mountain	03	344
Virginia Western Community College*	Virginia Mountain	03	22
North Carolina Agricultural and Technical College	Central North Carolina	03	32
Central Piedmont Community College*	Charlotte	03	42
Gaston College*	Charlotte	03	7
North Carolina, University of, Charlotte	Charlotte	03	39
Duke University	Eastern North Carolina	03	53
Fayetteville Technical Institute*	Eastern North Carolina	03	13
North Carolina State University	Eastern North Carolina	03	130
Wake Technical College*	Eastern North Carolina	03	18
The Citadel	Coastal South Carolina	03	58
South Carolina, University of	Columbia	03	46
Clemson University	Piedmont	03	122
Greenville Technical Education Center*	Piedmont	03	11
Minnesota, University of, Duluth	Arrowhead	04	26
Iowa, University of	Cedar Rapids	04	36
Illinois, University of, Urbana	Central Illinois	04	405
Purdue University, West Lafayette	Central Indiana	04	357
Purdue University, Indianapolis	Central Indiana	04	34
Rose-Hulman Institute of Technology	Central Indiana	04	111
Iowa State University (C)	Central Iowa	04	258
DeVry Institute of Technology, Illinois	Chicago	04	122
Illinois, University of, Chicago	Chicago	04	93
Illinois Institute of Technology (C)	Chicago	04	118
Northwestern University (C)	Chicago	04	115

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SCHOOL	SECTION LOCATION	REGION	MEMBERSHIP 1981
Indiana Institute of Technology	Fort Wayne	04	25
Purdue University, Fort Wayne	Fort Wayne	04	27
Tri-State University (C)	Fort Wayne	04	10
Bradley University	Illinois Valley	04	62
Waukesha County Technical Institute*	Madison	04	23
Wisconsin, University of, Madison (C)	Madison	04	264
Gateway Technical Institute*	Milwaukee	04	14
Marquette University	Milwaukee	04	263
Milwaukee School of Engineering	Milwaukee	04	71
Wisconsin, University of, Milwaukee (C)	Milwaukee	04	75
Gateway Electronics Institute* (C)	Nebraska	04	33
Nebraska, University of, Lincoln	Nebraska	04	72
Nebraska, University of, Omaha*	Nebraska	04	24
General Motors Institute	Northeastern Michigan	04	81
Lake Superior State College*	Northeastern Wisconsin	04	16
Michigan Technological University (C, P)	Northeastern Wisconsin	04	187
Northern Illinois University	Rock River Valley	04	24
Notre Dame, University of	Michiana	04	149
Detroit, University of (C)	Southeastern Michigan	04	56
Lawrence Institute of Technology	Southeastern Michigan	04	139
Michigan, University of, Dearborn	Southeastern Michigan	04	95
Michigan State University	Southeastern Michigan	04	134
Oakland University	Southeastern Michigan	04	43
St. Clair College of Technology*	Southeastern Michigan	04	10
Michigan, University of, Ann Arbor	Southeastern Michigan	04	265
Wayne State University (C)	Southeastern Michigan	04	88
Windsor, University of	Southeastern Michigan	04	56
Toledo, University of	Toledo	04	77
Minnesota, University of	Twin Cities	04	139
North Dakota, University of	Twin Cities	04	50
North Dakota State University (C)	Twin Cities	04	154
South Dakota State University	Twin Cities	04	75
Wisconsin, University of, Stout (C)	Twin Cities	04	35
Western Michigan University (C)	West Michigan	04	51
Purdue University, Calumet Campus	Calumet	04	64
Valparaiso Technical Institute*	Calumet	04	53
Valparaiso University	Calumet	04	57
Arkansas, University of, Little Rock	Arkansas	05	36
Lamar University	Beaumont	05	48
McNeese State University	Beaumont	05	14
Texas, University of, Austin (C)	Central Texas	05	448
Trinity University	Central Texas	05	17
Del Mar College*	Corpus Christi	05	76
Texas A & I University	Corpus Christi	05	34
Southern Methodist University	Dallas	05	116
Colorado, University of, Boulder	Denver	05	171
Colorado, University of, Colorado Springs	Denver	05	23
Colorado, University of, Denver Center	Denver	05	68
Colorado State University	Denver	05	104
Metropolitan State College	Denver	05	84
Southern Colorado, University of	Denver	05	27
Wyoming, University of	Denver	05	29
South Dakota School of Mines and Technology	Denver	05	94
United States Air Force Academy	Denver	05	16
New Mexico State University	El Paso	05	80
Texas, University of, El Paso	El Paso	05	63
Texas, University of, Arlington (C)	Fort Worth	05	106
Houston, University of, College of Engineering	Houston	05	142
Houston, University of, College of Technology	Houston	05	23
Houston, University of, Clear Lake	Houston	05	42
Prairie View A & M University	Houston	05	36
Rice University (C)	Houston	05	104
Texas A & M University (C)	Houston	05	415
Central Missouri State University	Kansas City	05	13
Kansas, University of	Kansas City	05	113
Kansas State University	Kansas City	05	104
Missouri, University of, Kansas City	Kansas City	05	38
Missouri Institute of Technology*	Kansas City	05	53
Southwest Missouri State College	Kansas City	05	39
Oklahoma, University of	Oklahoma City	05	35

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<u>SCHOOL</u>	<u>SECTION LOCATION</u>	<u>REGION</u>	<u>MEMBERSHIP 1981</u>
Missouri, University of, Columbia (C)	Saint Louis	05	193
Missouri, University of, Rolla (C)	Saint Louis	05	323
Southern Illinois University	Saint Louis	05	44
Southern Illinois University, Carbondale	Saint Louis	05	33
Washington University	Saint Louis	05	90
Letourneau College	Shreveport	05	33
Louisiana Technological University	Shreveport	05	75
Northwestern State University	Shreveport	05	13
Texas Technological University	South Plains	05	180
Oklahoma State University (C)	Tulsa	05	86
Tulsa, University of	Tulsa	05	23
Wichita State University	Wichita	05	39
Arkansas, University of	Ozark	05	92
Southwestern Louisiana, University of	Lafayette	05	75
New Mexico, University of (C)	Albuquerque	06	68
Alaska, University of	Alaska	06	16
California State Polytechnic Institute, Pomona (C)	Foothill	06	75
Hawaii, University of	Hawaii	06	21
Idaho, University of	Idaho	06	133
California State University, Los Angeles	Metro Los Angeles	06	47
Northrop Institute of Technology	Metro Los Angeles	06	34
Southern California, University of	Metro Los Angeles	06	264
Montana State University	Montana	06	55
California State University, Fullerton	Orange County	06	40
California, University of, Irvine	Orange County	06	104
Arizona State University (C)	Phoenix	06	162
DeVry Institute of Technology, Phoenix	Phoenix	06	60
Northern Arizona University	Phoenix	06	45
Oregon Institute of Technology*	Portland	06	48
Oregon State University	Portland	06	127
Portland, University of	Portland	06	34
Portland State College	Portland	06	48
Walla Walla College*	Richland	06	38
California, University of, Davis	Sacramento	06	149
California State University, Sacramento	Sacramento	06	156
California State University, Chico	Sacramento	06	119
Nevada, University of	Sacramento	06	70
Pacific, University of	Sacramento	06	8
San Diego Mesa College*	San Diego	06	0
San Diego State University	San Diego	06	87
California State University, Northridge	San Fernando Valley	06	74
Los Angeles Pierce College*	San Fernando Valley	06	33
California State University, San Francisco	San Francisco	06	34
Cogswell Polytechnical College*	San Francisco	06	8
Heald Engineering College	San Francisco	06	1
California Polytechnic State, San Luis Obispo	Santa Barbara	06	92
California, University of, Santa Barbara	Santa Barbara	06	160
California, University of, Los Angeles	Santa Monica Bay	06	232
Loyola Marymount University	Santa Monica Bay	06	36
Seattle University	Seattle	06	36
Washington, University of	Seattle	06	147
California State University, Long Beach (C)	South Bay Harbor	06	106
Gonzaga University	Spokane	06	15
Washington State University	Spokane	06	146
Arizona, University of	Tucson	06	116
Brigham Young University	Utah	06	114
Utah, University of	Utah	06	69
Utah State University	Utah	06	51
California, University of, Berkeley (C)	Oakland-East Bay	06	423
California State University, Fresno	Oakland-East Bay	06	49
California State University, San Jose	Santa Clara Valley	06	142
Foothill College*	Santa Clara Valley	06	10
Santa Clara, University of	Santa Clara Valley	06	78
Stanford University	Santa Clara Valley	06	323
United States Naval Postgraduate School	Santa Clara Valley	06	35
Queens University	Bay of Quinte	07	60
Royal Military College of Canada	Bay of Quinte	07	6
Saint Lawrence College of Applied Arts and Technology*	Bay of Quinte	07	7

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<u>SCHOOL</u>	<u>SECTION LOCATION</u>	<u>REGION</u>	<u>MEMBERSHIP 1981</u>
McMaster University	Hamilton	07	123
Mohawk College of Applied Arts and Technology*	Hamilton	07	5
Niagara College* (C)	Hamilton	07	50
Conestoga College of Applied Arts and Technology*	Kitchener-Waterloo	07	2
Waterloo, University of, Stream A	Kitchener-Waterloo	07	139
Waterloo, University of, Stream B	Kitchener-Waterloo	07	105
Fanshawe College*	London	07	86
Western Ontario, University of	London	07	86
Concordia University	Montreal	07	67
Ecole Polytechnique	Montreal	07	183
McGill University	Montreal	07	174
Quebec, University of, Ecole de Technologie Superieure	Montreal	07	25
Alberta, University of	Northern Canada	07	139
Algonquin College of Applied Arts and Technology*	Ottawa	07	9
Carleton University	Ottawa	07	105
Ottawa, University of	Ottawa	07	39
Laval University	Quebec	07	86
Saskatchewan, University of	Saskatchewan	07	122
Saskatchewan Technical Institute*	Saskatchewan	07	24
Quebec, Trois Rivieres, University of	Saint Maurice	07	15
Calgary, University of	Southern Alberta	07	73
Southern Alberta Institute of Technology*	Southern Alberta	07	2
Centennial College of Applied Arts and Technology	Toronto	07	32
Northern College of Applied Arts and Technology*	Toronto	07	12
Radio College of Canada	Toronto	07	29
Ryerson Polytechnic Institute*	Toronto	07	156
Seneca College of Applied Arts and Technology	Toronto	07	56
Toronto, University of	Toronto	07	186
British Columbia, University of*	Vancouver	07	202
British Columbia Institute of Technology*	Vancouver	07	1
Manitoba, University of	Winnipeg	07	133
Red River Community College	Winnipeg	07	35
Technical University of Nova Scotia	Canadian Atlantic	07	63
New Brunswick, University of	New Brunswick	07	79
Memorial University of Newfoundland	Newfoundland-Labrador	07	30
Catholic University of Louvain	Benelux	08	77
Delft University of Technology	Benelux	08	44
Eindhoven Institute of Technology	Benelux	08	37
Katholieke Universiteit de Leuven	Benelux	08	76
Liege, Universite, Au Sart Tilman	Benelux	08	49
Technische Hogeschool Twente	Benelux	08	16
Cairo, University of	Egypt	08	11
Ecole National Superiores des Telecommunications	France	08	6
Ecole Superiore Ing. de Electrotechnique	France	08	1
Institute Superiore Electronique du Nord	France	08	0
Institute Superiore Electronique de Paris	France	08	0
National Polytechnic de Grenoble ENSIEG	France	08	46
Ecole Polytechnique Federale	Switzerland	08	56
Swiss Federal Institute of Technology	Switzerland	08	72
Ben Gurion University of the Negev	Israel	08	15
Israel Institute of Technology	Israel	08	35
Tel-Aviv University	Israel	08	23
Bologna, University of	North Italy	08	7
Genova, University of	North Italy	08	1
Politecnico di Milano	North Italy	08	49
Politecnico di Torino	North Italy	08	29
Trieste, University of	North Italy	08	28
Padova, University of	North Italy	08	60
UKRI Section Student Branch	UKRI	08	66
Chalmers University of Technology	Sweden	08	35
Linkoping University	Sweden	08	22
Lund Institute of Technology	Sweden	08	20
Royal Institute of Technology	Sweden	08	24
Uppsala, University of	Sweden	08	41
Florence, University of	Middle and South Italy	08	13
Rome, University of	Middle and South Italy	08	83
ETSI, Barcelona	Spain	08	18
ETSI, Madrid	Spain	08	151
Denmark Section Student Branch	Denmark	08	43
Aristotelian University of Thessalonika	Greece	08	10
Technical University of Athens	Greece	08	37

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<u>SCHOOL</u>	<u>SECTION LOCATION</u>	<u>REGION</u>	<u>MEMBERSHIP 1981</u>
Ljubljana, University of	Yugoslavia	08	7
Helsinki University of Technology	Finland	08	48
Oulu, University of	Finland	08	29
Tampere University of Technology	Finland	08	33
Kuwait University		08	42
Buenos Aires, University of	Argentina	09	93
Instituto Tecnologico de Buenos Aires	Argentina	09	28
Universidad del Sur	Argentina	09	30
Universidad Nacional de Tucuman	Argentina	09	15
Universidad Catolica de Chile	Chile	09	5
Universidad Tecnica del Estado	Chile	09	6
Instituto Tecnologico Regional de Salta	Guadalajara	09	2
Distrital Fran Jose de Caldas Universidad (C)	Colombia	09	31
Pontificia Universidad Javeriana	Colombia	09	31
Universidad Autonoma de Bogota	Colombia	09	10
Universidad Industrial de Santander	Colombia	09	1
Universidad de Los Andes	Colombia	09	15
Universidad Nacional de Colombia	Colombia	09	91
Universidad Piloto de Colombia	Colombia	09	58
Universidad de Guanajuato	Mexico	09	4
Escuela Sup. Ingenieria Mec y Elec	Mexico	09	45
Universidad de Las Americas	Mexico	09	6
Universidad Nacional Autonoma de Mexico	Mexico	09	16
Puerto Rico, University of	Puerto Rico/Virgin Islands	09	55
Universidade Federal de Rio de Janeiro	Rio de Janeiro	09	1
Escuela de Campinas Universidade	Sao Paulo	09	23
Escuela de Eng. de Sao Carlos de Sao Paulo	Sao Paulo	09	18
Escuela Polytechnic Universidade de Sao Paulo	Sao Paulo	09	35
Universidade Estadual Paulista Julio de Mesquita Filho	Sao Paulo	09	7
Universidad Central de Venezuela	Venezuela	09	19
Universidad de Carabobo	Venezuela	09	39
Universidad Nacional de Ingeniera, Lima	Peru	09	53
Centroamericana Universidad	Central America	09	0
Universidad de El Salvador	Central America	09	1
Universidad de San Carlos de Guatemala	Central America	09	48
Universidad de Costa Rica	Central America	09	1
Escuela Politecnica Nacional	Ecuador	09	39
Instituto Tec y de Estudios Sup. de Monterrey (C)	Monterrey	09	158
Regional Engineering College, Warangal	India	10	63
Indian Institute of Technology, Kanpur	India	10	16
Chinese University of Hong Kong	Hong Kong	10	117
Hong Kong, University of	Hong Kong	10	129
Hong Kong Polytechnic	Hong Kong	10	151
Osaka University	Tokyo	10	24
Shizuoka University Graduate School	Tokyo	10	16
Tokyo, University of	Tokyo	10	77
Philippines, University of	Philippines	10	15
Korea Advanced Institute of Science	Korea	10	115
Seoul National University	Korea	10	134
Regional Engineering College, Tiruchirapalli (C)	Bangalore	10	158
Indian Institute of Technology, Bombay (C)	Bombay	10	58
Banarus Hindu University	Delhi	10	15
Indian Institute of Technology, Delhi	Delhi	10	29
Indian Institute of Technology, Madras	Madras	10	54
PSG College of Technology	Madras	10	128
Indian Institute of Technology, Kharagpur	Calcutta	10	35

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## SECTION C

TABLE 1 - SOCIETY MEMBERSHIP, BY GRADÉ, DECEMBER 31, 1981; 3-YEAR COMPARISON

Code No.	Society	H	F	SM	M	A	Sub-Total	S	1981 Total	1980 Total	1979 Total
1	Acoustics, Speech & Signal Processing		187	591	5,939	378	7,095	1,943	9,038	8,619	7,585
2	Broadcast, Cable & Consumer Electronics		139	582	5,322	737	6,780	1,121	7,901	7,932	7,122
3	Antennas & Propagation		246	751	3,354	246	4,597	861	5,458	5,096	4,660
4	Circuits & Systems		254	668	7,243	589	8,754	2,690	11,444	11,410	10,582
5	Nuclear & Plasma Sciences		114	391	1,975	176	2,656	400	3,056	3,073	2,864
6	Vehicular Technology		70	338	1,815	248	2,471	181	2,652	2,818	2,674
7	Reliability		69	412	2,447	214	3,142	146	3,288	3,183	2,929
9	Instrumentation & Measurement		136	505	3,811	376	4,828	595	5,423	5,559	5,304
10	Aerospace & Electronic Systems		250	926	4,772	286	6,234	1,040	7,274	7,646	7,095
12	Information Theory		200	394	3,114	203	3,911	975	4,886	5,188	4,941
13	Industrial Electronics		77	415	4,137	365	4,994	871	5,865	6,125	5,723
14	Engineering Management		123	822	6,080	407	7,432	729	8,161	8,469	7,833
15	Electron Devices		357	866	6,439	360	8,022	1,546	9,568	9,643	8,612
16	Computer		444	2,230	36,773	2,882	42,329	10,654	52,983	47,181	39,987
17	Microwave Theory & Techniques		264	739	4,292	284	5,579	1,053	6,632	6,428	5,932
18	Engineering in Medicine & Biology		148	508	4,460	361	5,477	1,986	7,463	7,525	7,319
19	Communications		378	1,424	10,692	757	13,251	2,864	16,115	15,633	13,474
20	Sonics & Ultrasonics		85	246	1,496	112	1,939	306	2,245	2,311	2,202
21	Components, Hybrids & Manufacturing Technology		70	327	2,182	254	2,833	264	3,097	3,126	2,917
23	Control Systems		168	577	6,377	371	7,493	2,175	9,668	8,885	7,774
25	Education		165	474	1,337	137	2,113	209	2,322	2,376	2,221
26	Professional Communication		35	238	1,567	182	2,022	246	2,268	2,257	1,922
27	Electromagnetic Compatibility		90	323	1,484	127	2,024	159	2,183	2,072	1,868
28	Systems, Man & Cybernetics		137	363	2,891	218	3,609	986	4,595	4,860	4,688
29	Geoscience and Remote Sensing		61	197	1,198	101	1,557	232	1,789	1,683	1,479
30	*Social Implications of Technology		138	501	2,761	190	3,590	347	3,937	-	-
31	Power Engineering		590	3,952	14,782	792	20,116	1,464	21,580	21,611	21,166
32	Electrical Insulation		82	341	1,090	97	1,610	99	1,709	1,728	1,524
33	Magnetics		105	382	1,872	178	2,537	227	2,764	2,692	2,412
34	Industry Applications		164	1,696	8,260	511	10,631	673	11,304	11,433	10,788
36	Quantum Electronics & Applications		144	337	2,129	147	2,757	837	3,594	3,500	3,261
	Totals	0	5,490	22,516	162,091	12,286	202,383	37,879	240,262	230,062	208,858

\*Established in 1981

SECTION C

Table 2 - Society Membership, by Region, by Section, by Society - 1981

REGION 1		Total S Members	Total Affil- ates	ASSP	BCCE	AP	CAS	NPS	VT	R	IM	AES	IT	IE	EM	ED	COMP	MTT	EMB	COM	SU	CHMT	CS	Ed	PC	EMC	SMC	GRS	SIT	PE	EI	MAG	IA	QEA	
Section	Members			1	2	3	4	5	6	7	9	10	12	13	14	15	16	17	18	19	20	21	23	25	26	27	28	29	30	31	32	33	34	36	
Berkshire	153	4	3	2	2	1	1	0	1	0	1	2	8	1	4	6	1	27	2	4	3	1	6	9	1	2	4	3	0	1	46*	10	1	1	0
Binghamton	538	25	17	17	7	36	4	1	16*	6	35	7	7	22	13	186*	6	9	14	0	7	20	2	5	10	6	1	5	36	6	12	20	5		
Boston	9355	518	448	238	242*	477*	101*	64*	158*	228*	415*	266*	121*	329*	422*	2258*	346*	343*	710*	97*	177*	359*	47*	79	63*	180*	62	206	450*	42	109*	181*	137*		
Buffalo	801	26	28	18	14	27	15	7	8	21	34	12*	33	22*	17	153*	15	40	30	3	11	40*	7	6	5	15	1	10	87*	15	6	91*	10		
Connecticut	3286	106	147*	123	54	149	51*	21	56*	72	59	53	83*	137	111	755*	61	121*	202	61	41	130	23	37	28	61*	26	59	260*	40	34	168*	63		
Ithaca	456	19	17	3	9	27	20	1	2	10	1	13	5	16	57	99	29	15	19	2	1	18	5	8	2	7	1	10	15	1	5	11	27		
Long Island	2975	79	97	155	83*	135	51	42*	72*	58*	170*	52*	35	121	88*	615*	152*	101*	192*	38*	50*	82*	29	30	45	55	14	56	202*	19	28	70*	38		
Maine	289	7	8	16	12	12	4	7	4	2	5	1	4	9	11	45	10	7	19*	5	5	7	4	5	1	3	3	10	31*	1	3	30*	5		
Mid-Hudson	896	58	16	27	5	59*	5	7	21	11	10	12	10	26	120*	328*	13	18	22	5	24	10	5	8	4	6	3	19	60*	6	11	18	7		
Mohawk Valley	549	17	23	9	23	32	1	0	23*	6	42*	13	3	23*	22	99*	16	7	35*	2	12	34	10	5	16*	15	4	10	34	6	3	12	9		
New Hampshire	1175	61	49	39	38*	52*	13*	14*	24*	39*	12*	23	53*	24*	372*	50*	24*	75*	4*	22*	20*	11*	13	11*	9*	6	26	90*	5	13*	12*	8*			
New Jersey Coast	1960	62	83	47	39	79	15	30*	31	25	42*	52	13	73	71*	508*	64*	34*	397*	15	20*	46	16	15	30	32	9	46	43	5	12	22	46*		
New York	5726	281	209	294*	77	282	70	63*	61*	91*	158*	127*	94	179*	190*	1430*	119*	289*	484*	55	59*	157*	60	73	29*	95*	24	123	478*	40	43	198*	75		
North Jersey	4243	134	140	162	58*	167	37*	67*	57*	135*	134*	64*	94	164*	169	928*	92*	138*	398*	34	55*	103*	26	40	32	53*	10*	78	357*	54	84	247*	66		
Princeton	2067	108	89	88	35	86*	42	13	19	42	47	38	36	66	155*	457*	64*	86*	177	25	27	63	16	20	12	35	12	40	121*	16	23*	67	50		
Providence	1033	51	87	29	13*	44*	8*	2*	9*	30*	32*	28*	27	37*	30*	271*	14*	36*	56*	14*	12*	42*	12*	4	6*	24*	14	18	75	14	6*	27*	12*		
Rochester	1160	66	44	31	15	50	6	16	15	18	23*	8	28	41*	78*	331*	8	41*	70*	15	22	47	9	21	7	15	3	16	91*	5	14	51*	21		
Schenectady	1390	34	39*	21	8	43	30	11	16	24	16	27*	3	16	68	230*	18*	43	52*	13	11	78*	18	9	10	32*	4	35	315*	23	29	112*	8		
Springfield	392	9	17	21	20	16	3	1	1	2	5	9	5	6	13	113	21	9	32	2	1	18	5	3	1	5	5	4	34	1	1	9	9		
Springfield	392	9	17	21	20	16	3	1	1	2	5	9	5	6	13	113	21	9	32	2	1	18	5	3	1	5	5	4	34	1	1	9	9		
Syracuse	1022	27	46	43	49*	47*	9	5	13	11	53*	21	12	29	52*	247*	47*	38	43*	15	13	23	9	9	14	19	1	23	78*	4	2	39*	8		
Vermont	372	17	15	5	3	30	3	3	8	9	10	2	3	16	75	97	4	13	8	5	5	10	5	1	4	0	6	22	3	2	2	2	2		
Worcester County	643	37	25	20	7*	38*	4*	2*	9*	14*	10*	19*	8	21	29*	174*	17*	26*	43*	3*	12*	24*	6*	6	7*	11*	4	9	60*	5	13*	11*	6*		
TOTALS	40481	1746	1647	1408	813	1889	493	377	624	841	1348	837	679	1412	1816	9723	1168	1442	3081	414	593	1340	326	399	338	685	207	810	2985	321	454	1399	612		

REGION 2		Total S Members	Total Affil- ates	ASSP	BCCE	AP	CAS	NPS	VT	R	IM	AES	IT	IE	EM	ED	COMP	MTT	EMB	COM	SU	CHMT	CS	Ed	PC	EMC	SMC	GRS	SIT	PE	EI	MAG	IA	QEA
Section	Members			1	2	3	4	5	6	7	9	10	12	13	14	15	16	17	18	19	20	21	23	25	26	27	28	29	30	31	32	33	34	36
Akron	398	13	12	10	8	11	6	7	4	11	14	3	5	9	6	72*	4	10	11	3	5	17	2	3	4	2	3	10	83*	8	1	53*	1	
Allegheny Mountain	43	0	0	1	0	0	0	1	1	2	0	0	4	2	0	6	1	0	1	0	5	1	1	0	0	0	0	1	6	0	4	6	0	
Baltimore	2789	154	114	73	88*	98	32	18	58*	54	204*	71	24	122	108	558*	119*	81	194*	33*	28	88*	13	29	89*	22	15	35	228*	11	26	119*	37	
Canton	193	3	4	11	2	11*	5	5*	1	7	4	2	8	2	3	32*	2	2	8*	1	1	5	2	0	2	0	1	2	50*	2	0	17	1	
Central Pennsylvania	354	8	27	16	12	19	7	2	3	3	17	9	4	5	21	78	13	17	18	3	2	21	8	2	1	4	1	11	13	2	4	5	6	
Cincinnati	729	27	27	25	11	35	5	13*	1	8	6	7	32	19	39	180	6	21*	25	7	11	34	7	6	4	17	0	11	67*	6	6	82*	11	
Cleveland	1690	40	57*	52*	28	58	29	35*	27*	51*	18*	29	77*	73	42	307*	18	90*	58	21	15	87*	9	14	8	37*	6	35	178*	14	18	185*	14	
Columbus	1393	55	22	31	64*	44	15	21*	20	33	35	15	45	53	23	318*	29*	40	74*	15	15	59*	14	6	7	40	7	25	190*	13	15	89*	16	
Dayton	1292	54	34	30	32	38	12	9	22	18	139*	21	14	110*	55*	315*	29	33*	55	4	15*	59*	11	14	23*	25	1	21	60*	10	9	44*	30	
Delaware Bay	406	25	15	3	3	13	4	2	2	11	7	3	13	16	14	100*	4	13	11	1	6	20	1	2	1	8	2	9	50*	8	5	51*	8	
Eastern Shore	72	3	2	2	1	1	0	1	2	2	3	0	3	3	0	17*	2	1	0	0	1	0	1	1	1	0	0	2	15	1	1	7	1	
Erie	168	2	3	5	1	3	1	3	1	2	3	1	6	9	1	23	0	3	7	2	4	7	3	6	5	1	0	2	18*	5	3	40	0	
Johnstown	102	2	2	7	1	2	1	2	0	2	5	1	5	3	2	22	1	3	5	0	1	6	2	1	0	0	0	1	12	0	0	15	0	
Lehigh Valley	998	19	14	34	7	53	15	6	17	20	10	4	34*	19	124*	158*	28	17	22	9	27*	23	10	6	2	6	2	12	178*	7	18	87	29	
Lima	69	1	2	0	0	3	1	1	0	3	6	1	5	6	2	12	0	2	0	0	0	0	5	1	0	0	0	2	5	1	1	9	1	
North Central Ohio	76	0	1	2	1	2	1	0	0	0	1	1	1	4	1	9	1	1	17	0	0	2	2	2	0	0	1	15	1	1	8	0		
Northern Virginia	4032	311	215*	97	164	106	40	82	73	49	273	124	29	231	88	982*	80	50	557	26*	17	114*	20	35	74	103	54	92	135	5	9	57	51	
Ohio Valley	50	2	0	2	0	2	0	0	1	1	0	0	1	1	0	8	0	0	1	0	0	1	0	0	0	0	0	0	4	12	1	0	15	0
Philadelphia	4481	171	145*	147*	96*	161*	52	42*	74*	90	171*	62*	92	167*	102*	1108*	103*	199*	249*	36	87*	152	41	46	45*	94*	24	81	472*	32	45*	237*	29	
Pittsburgh	2572	73	61	46	23	66*	47	22*	31	49	34	13	76	94*	66*	496*	17	73*	70*	20*	10	107*	26	21	7	51*	6	47	518*	43	57*	356*	20	
Sharon	168	3	3	8	0	4	2	7	0	2	1	3	8	5	4	23	1	3	2	0	0	6	1	2	2	4	1	4	36*	9	2	23	2	
Southern New Jersey	133	8	5	3	2	2	1	3	0	3	12	1	3	5	3	36	0	4	4	0	0	7	1	0	2	0	5	0	3	21	1	1	6	1
Susquehanna	474	17	11	34	9	23	8	10	8	14	9	3	18	20	10	99	14	11	15	17	17	17	3	5	5	6	2	8	31	4	7	30	6	
Washington	5316	466	216*	176*	207*	131	103	71*	73*	125*	317*	164*	33	232*	153*	1204*	187*	164*	560*	41*	30	157*	36											

## SECTION C

Table 2 - Society Membership, by Region, by Section, by Society - 1981

REGION 3	Total S	Total Affiliates	ASSP 1	BCCE 2	AP 3	CAS 4	NPS 5	VT 6	R 7	IM 9	AES 10	IT 12	IE 13	EM 14	ED 15	COMP 16	MTT 17	EMB 18	COM 19	SU 20	CHMT 21	CS 23	Ed 25	PC 26	EMC 27	SMC 28	GRS 29	SIT 30	PE 31	EI 32	MAG 33	IA 34	QEA 36	
Alabama	663	17	18	16	8	20	3	3	5	10	13	5	13	22	21	145*	3	30	75*	1	3	20	18	6	3	4	0	12	134*	6	1	41*	4	
Atlanta	2451	73	90*	102	101*	97	18	17	15	39	72	36	48	81	37	506*	99*	54*	184*	4	16	67	28	32	37*	45	8	29	371	15	15	157*	31	
Baton Rouge	228	7	6	3	0	10	5	1	0	3	3	2	7	7	7	47	0	4	9	0	1	15	2	1	0	6	2	1	37	1	3	42*	3	
Broward	578	27	15	20	14	26	6	13	15	12	16	4	5	43	13	129*	16	19	37	1	16	6	4	8	5	4	1	10	86*	1	7	24	2	
Canaveral	933	35	39	24	45*	50	11	12	12*	12	42	24	4	35*	72	226*	39*	14	108	5	10	19	7	14	10	7	4	17	39	2	8	10	12	
Central North Carolina	165	5	11	6	2	10	0	1	3	2	1	4*	3	13	3	49	2	7	11*	3	1	5	1	6	0	1	0	3	5	0	0	10	2	
Central Savannah River	65	4	1	1	2	3	1	1	0	2	1	1	3	5	1	14	0	7	5	0	1	1	0	0	0	0	0	0	6	0	0	8	1	
Central Virginia	603	25	24	16	10	26	10	28	5	16	14	17	24	18	16	124	13	18	37	8	7	43	8	9	8	19	4	10	34	3	3	18	13	
Charlotte	506	6	8	15	6	6	2	4	2	8	3	1	9	22	3	91*	2	11	46*	2	6	8	2	1	2	1	1	5	168*	11	5	46	9	
Chattanooga	197	5	1	4	1	4	3	1	2	7	2	0	5	6	1	20	0	8	0	2	7	0	1	0	1	0	0	111*	1	0	9	0		
Coastal South Carolina	167	2	8	5	1	4	2	1	3	4	1	0	8	8	2	27	2	10	9	2	1	3	2	3	4	5	0	3	31	0	0	15	3	
Columbia	257	16	5	4	3	9	6	4	3	4	1	1	3	14	2	100	4	7	16	1	3	4	3	1	0	3	2	3	22	4	1	21	3	
Daytona	114	4	3	5	1	2	2	0	0*	2	4	3	0	8	2	35	2	4	11	0	0	2	0	0	4	2	0	3	14	0	1	3	1	
Eastern North Carolina	1101	62	40	27	18	48	9	8	5	26	30	16*	22	48	49	272	23	52	107*	5	10	27	8	10	4	17	7	19	122*	4	11	40*	17	
East Tennessee	536	16	5	30	4	11	28	0	15	11	6	3	12	12	11	135	7	9	7	1	1	31	4	3	1	11	0	7	123*	5	2	36	5	
Evansville-Owensboro	209	3	8	8	3	11	3	1	3	4	6	3	9	8	6	28	6	4	8	0	5	18	4	3	0	2	1	4	28	1	2	21	1	
Florida West Coast	1271	36	47*	42*	29*	47	12	16*	22*	27	49	22	21	51	20	245*	54*	34	86*	6	25	32	13	8	11	12	8	24	205*	14	12	68	9	
Fort Walton	108	4	8	6	2	3	0	0	1	1	13	5	0	3	2	28	4	1	5	0	3	6	0	2	2	1	0	3	2	2	0	0	3	
Gainesville	326	19	14	15	5	20	1	5	2	6	11	5	4	3	28	63	7	14	25	0	3	20	9	0	3	6	3	5	30	0	2	11	5	
Hampton Roads	501	28	22	38	10	20	14	1	7	11	26	5	7	17	9	126*	13	13	32	6	2	30	8	4	3	9	8	7	20	1	4	19	9	
Huntsville	689	61	31	13	19*	25	9	7	13	15	57	11	7	20*	8	220*	21	15	38	2	6	57*	4	5	2	19	6	9	18	0	2	16	14	
Jacksonville	126	2	1	7	3	4	0	3	0	4	3	0	5	5	0	19	0	3	7	0	2	2	1	0	0	0	1	36*	2	0	18	0		
Lexington	174	6	7	5	4	8	0	0	3	2	4	2	6	11	3	40*	4	6	13	1	2	6	1	1	2	2	0	7	16	2	3	13	0	
Louisville	274	12	7	19	6	17	1	4	2	5	3	3	12	9	2	71*	3	5	17	2	2	10	4	0	3	3	0	5	26	2	2	25	4	
Memphis	368	13	8	15	17	9	5	1	3	8	6	5	13	6	6	72	17	23*	22	2	3	9	6	4	9	2	4	1	54*	3	4	23	8	
Miami	780	25	16	22	7	18	6	12*	10	18	12	8	17	65*	12	142	8	61*	66*	4	12	14	5	7	3	4	5	8	161*	7	2	46*	2	
Middle Tennessee	36	0	1	1	1	1	0	0	0	2	2	0	1	2	0	9	1	1	0	0	0	3	0	1	0	0	0	2	4*	0	0	4*	0	
Mississippi	260	5	4	11	6	8	10	3	1	9	7	1	6	9	9	49	5	13	6	0	5	18	4	2	2	5	2	2	49	3	1	9	1	
Mobile	87	0	0	2	3	3	0	0	2	0	1	0	6	5	1	19	0	2	2	0	0	1	0	1	0	0	0	3	15	1	1	17	0	
Nashville	385	19	15	17	1	18	4	1	3	8	1	2	16	17	3	71*	6	30*	19	4	4	26	3	4	2	11	0	7	49*	3	6	30	4	
New Orleans	634	14	19	14	13	14	3	3	4	17	10	5	26	16	6	119*	11	28	55*	5	0	19	2	5	5	3	12	12	129*	2	3	69	5	
Oak Ridge	143	9	3	4	1	3	37	1	2	4	0	0	3	1	4	28	3	2	1	1	1	1	1	1	1	0	1	5	20	1	2	8	3	
Orlando	661	29	20	21	19	28	1	13*	13	8	48*	6	8	27	16*	207*	27*	7	69*	10	6	20	2	5	9	8	0	11	25*	0	4	14*	9	
Palm Beach	423	15	6	13	5	22	4	7	8	8	10	6	8	21	12	116	6	9	30	3	9	16	4	6	2	4	3	9	48*	2	4	13	9	
Panama City	68	2	3	5	1	1	2	0	0	1	1	1	3	2	0	22	2	4	1	1	1	0	1	0	0	1	0	3	5	0	1	6	0	
Pensacola	50	0	1	2	0	1	0	0	0	2	2	0	2	2	0	12	0	5	3	1	0	3	0	1	0	0	1	10	0	0	2	0		
Piedmont	312	9	7	9	2	9	1	2	7	4	3	4	14	14	3	89	1	7	7	0	5	15	7	2	2	5	1	6	31	4	1	49	1	
Richmond	386	26	4	7	8	4	2	4	3	13	12	2	18	15	4	85	6	7	11	2	2	25	2	3	10	3	3	5	85	4	1	34	2	
Savannah	55	0	2	2	0	0	0	0	0	3	1	0	2	1	1	9	0	1	2	1	0	1	1	0	1	0	0	1	2	15	1	1	6	2
Tri Cities	207	4	4	7	2	10	5	0	3	6	0	0	10	10	6	92*	2	1	7	0	0	8	1	3	0	2	0	2	10	0	2	13	1	
Virginia Mountain	477	11	12	11	16	9	6	2	1	4	8	2	19*	13	9	121*	12	4	23	4	0	2	38*	5	2	3	6	1	7	58*	2	10	58*	9
Western North Carolina	113	2	1	6	4	2	1	1	0	3	2	1	2	6	4	4	2	2	10	1	4	3	2	0	3	2	1	5	14	3	3	20	1	
Winston-Salem	83	5	3	3	2	6	0	1	0	4	3	0*	2	1	2	25	0	6	7*	2	2	0	0	4	1	0	1	0	5	0	0	2	1	
TOTALS	17770	663	548	603	405	647	233	182	198	355	510	216	413	702	416	4051	433	554	1242	91	184	659	177	169	157	237	90	278	2471	113	133	1094	209	

\* = CHAPTER OR JOINT CHAPTER ESTABLISHED

SECTION C

Table 2 - Society Membership, by Region, by Section, by Society - 1981

REGION 4	Total S Members	Total Affiliates																																		
			ASSP 1	BCCE 2	AP 3	CAS 4	NPS 5	VT 6	R 7	IM 9	AES 10	IT 12	IE 13	EM 14	ED 15	COMP 16	MTT 17	EMB 18	COM 19	SU 20	CHMT 21	CS 23	Ed 25	PC 26	EMC 27	SMC 28	GRS 29	SIT 30	PE 31	EI 32	MAG 33	IA 34	QEA 36			
Arrowhead	100	0	1	4	1	4	0	0	0	2	0	0	5	4	1	10	0	0	2	0	0	2	0	1	0	0	1	0	1	0	1	41	1	1	16	2
Calumet	376	16	5	12	9	17	5	6	1	5	7	7	16	13	2	83	5	14	17	2	2	20	4	1	1	4	3	3	55	5	3	49	0			
Cedar Rapids	315	20	10	6	6	13	7	6	6	4	10	4	15	6	89*	16	14	15	6	5	14	0	1	6	7	1	8	22	0	1	10	3				
Central Illinois	940	32	34	26	35	55	15*	7	6	7*	15	28	8	24	52*	179	35*	38	55*	10	7	60	11	5	7	18	7	20	108*	2	5	30*	31			
Central Indiana	1632	56	72	94	18	83*	12	24	8	29	35	32*	41	46*	53	386*	19	62*	82	20	18	77	26	7	6	34	17	27	210*	11	20	55	8			
Central Iowa	383	12	3	4	6	8	3	3	2	4	4	3	6	4	6	147	6	10	19	4	2	19	11	1	0	5	1	3	69	1	3	22	4			
Chicago	5560	340	180*	309*	72*	255*	79*	121*	79*	109*	70	66*	163*	221*	108*	1135*	123*	196*	368*	56	99*	139*	31	39	42*	84	22	82	606	43	60	344*	59			
Fort Wayne	379	4	11	20	4	11*	7	9	3	6	12*	6	9	15	12	86*	10	4	30*	1	13	6	2	4	3	5	2	8	42	9	5	21	3			
Illinois Valley	146	10	4	9	3	7	1	5	1	0	4	1	4	8	2	33*	3	5	3	0	1	9	2	2	1	0	1	0	15	0	1	19	2			
Iowa-Illinois	190	10	2	3	1	4	4	0	0	2	1	0	8	13	3	31*	1	4	1	2	8	1	5	0	1	0	1	0	1	64	0	1	26	2		
Madison	649	27	20	16	11	25	8	4	8	13	1	6	10	21	13	182	13	52	31	3	2	35	12	8	1	14	0	11	94*	1	5	24	5			
Michiana	310	5	19	18	2	12	2	4	4	11	7	9	10	19	4	71	4	12	12	1	8	20	4	3	2	6	1	4	21	3	3	11	3			
Milwaukee	1645	34	38	60	13	53	17	18	20	30	29	11	60	82*	25*	342*	16*	108*	45	15	21	60	9	11	9	24*	3	25	204*	22	31*	227*	17			
Nebraska	620	23	6	19	5	19	8	9	3	9	12	4	14	36*	16	133*	4	22	30	2	5	15	5	5	2	4	2	5	185*	3	3	26	9			
Northeast Michigan	248	11	3	3	0	11	3	7	3	6	3	0	10	10	4	59	2	7	7	0	4	16	1	1	3	1	1	7	33	12	1	28	2			
Northeastern Wisconsin	477	16	12	15	8	26	2	3	7	13	10	0	19	10	5	87	6	20	18	1	5	29	12	8	3	6	0	9	83*	6	2	49	3			
Rock River Valley	215	4	2	11	1	7	2	6	3	9	6	0	12	6	11	43	1	5	9	2	7	8	2	6	3	0	0	3	26	2	6	12	4			
Siouxland	91	4	0	6	1	1	1	1	0	1	2	1	1	2	22	0	4	5	0	0	1	4	0	0	2	2	3	24*	2	1	4	0				
Southeastern Michigan	3435	166	113*	109	58*	143*	41	118*	41	64*	81*	59*	104	120*	106*	859*	63*	119*	138*	27	21	202*	29	27	27	81*	17	71	351*	16	19	169*	42			
Southern Minnesota	244	19	4	8	1	14	4	2	1	6	4	4	7	4	7	92	3	15	8	1	5	9	1	2	3	2	0	2	17	0	8	9	1			
Toledo	322	8	5	9	1	14	5	7	2	7	2	5	21*	11	6	66*	3	12	12	1	3	18*	3	1	3	0	0	4	42*	3	2	50*	4			
Twin Cities	2943	135	76	69	39	141*	18	22	57*	44	62	39	58	105	151*	772*	53	136*	130*	17	49	115	28	38	30	59*	16	65	312*	10	83*	117*	32			
West Michigan	395	25	12	14	6	11	2	7	7	13	17	2	13	22	5	99	3	19	9	4	5	23	5	4	3	3	1	4	44	3	5	26	4			
TOTALS	21615	977	632	844	301	934	246	389	262	393	393	288	603	810	600	5206	389	878	1046	174	284	905	203	180	155	361	97	366	2668	155	269	1344	240			
Region 5	Total S Members	Total Affiliates	ASSP 1	BCCE 2	AP 3	CAS 4	NPS 5	VT 6	R 7	IM 9	AES 10	IT 12	IE 13	EM 14	ED 15	COMP 16	MTT 17	EMB 18	COM 19	SU 20	CHMT 21	CS 23	Ed 25	PC 26	EMC 27	SMC 28	GRS 29	SIT 30	PE 31	EI 32	MAG 33	IA 34	QEA 36			
Arkansas	209	4	4	7	2	3	1	0	0	1	2	1	11	7	1	31*	0	4	3	1	1	6	3	2	0	0	0	3	70*	2	2	41	0			
Beaumont	167	1	5	4	5	10	2	1	0	6	1	1	9*	6	2	27	2	3	5	1	0	14	3	0	0	1	2	5	30*	1	1	17	3			
Central Texas	1680	112	68	49	34	72	24	10	19	30	38	36	21	46	74	611*	19	64*	81	16	15	64	16	11	18*	19	25	20	117*	4	6	34	19			
Corpus Christi	150	1	2	6	4	8	0	1	0	6	2	0	10	3	6	23	3	3	5	1	1	6	0	1	0	2	1	0	38*	0	0	18	0			
Dallas	3024	132	130	98	79*	142	25	55*	46	31	91	41*	34	110	232	715*	141*	54*	209*	25	34	60*	13	28	16	50*	40	45	284*	10	30	108*	48*			
Denver	3259	177	132	81	127*	142	38	37*	37*	90*	91*	39*	69	123*	104	770*	80*	104*	148*	30	20	142*	27	29	46*	46	56	66	322*	6	50	163*	44			
El Paso	340	14	15	10	18	14	5	4	3	7	18	11	4	15	5	82	2	7	12	2	2	12	7	5	3	15	9	3	26	0	3	17	4			
Fort Worth	977	46	35	34	29	49	9	19	11	14	51*	19	17	32	29	253*	31	16	56	6	10	29*	8	9	9	8	5	17	117*	3	13	25	14			
Galveston Bay	448	27	14	8	13	8	3	1	2	6	34	12	4	18	7	149	3	20	41	1	2	26	1	3	2	13	7	8	14	0	3	23	2			
Houston	3275	104	164*	83	44*	161*	33	18	30	83	48*	51	111	106*	97*	712*	38*	112*	180*	27	38	149	18	27	6	44	105	48	353*	12	26*	311*	40			
Kansas City	1199	42	35	39	30	42	9	11	8	28	36	17	28	47*	21	260	32	43	73*	4	9	31	18	17	7	17	22	22	224*	5	5	46	13			
Lafayette	104	7	3	3	1	2	0	3	0	2	1	5	2	1	46	0	1	6	1	0	2	1	1	0	2	1	1	7	0	0	10	1				
Oklahoma City	438	8	19	20	6	14	7	6	5	9	12	6	15	12	3	101*	10	12	18	6	1	10	4	5	2	6	4	4	80*	1	5	29*	6			
Ozark	94	5	1	4	5	1	1	0	0	1	4	1	2	3	3	23	1	6	4	0	0	7	3	0	0	4	3	2	10	0	1	3	1			
Panhandle	62	0	0	0	0	0	0	0	0	2	0	1	1	1	0	10	1	2	2	0	0	4	1	1	0	0	1	3	24	0	0	8	0			
Permian Basin	41	2	0	0	1	1	0	0	0	2	0	0	4	2	1	10	1	0	0	1	1	5	0	0	0	2	0	4	0	0	6	0				
Pikes Peak	518	22	16	10	4	39*	9	1	9	11	12	9	7	19	68*	139	8	9	24	0	7	20	11	1	5	12	3	10	17	0	7	18	13			
Saint Louis	1970	93	43	50	25*	72	23	16	14	28	76*	32	54	63	50*	470*	43*	57*	119*	10	13	95	23	17	11	39	14	32	259*	9	14	173*	26			
Shreveport	182	4	4	4	2	4	1	2	2	4	4	0	9	1	0	36	2	6	9	0	0	9	2	1	1	3	0	3	33*	6	2	30	2			
South Plains	197	7	13	6	1	14	11	1	3	4	7	3	2	7	13	42	2	9	9	1	3	8	6	0	1	5	1	3	10	0	1	3	8			
Tulsa	592	27	38	12	11	20	4	4	8	14	8	12	14	21	8	110	3	10	16	6	3	40	8	7	3	13	30	6	94*	4	4	58*	3			
#West Central Texas	68	1	2	4	1	1	1	1	0	2	0	1	1	4	0	9	0	1	12	1	0	2	1	1	1	0	1	1	16	2	0	2	0			
Wichita	356	21	10	12	5	17	2	3	6	5	12	3	7	14	5	124*	8	8	14	0	2	15*	5	2	6	5	3	7	33*	0	2	17*	4			
TOTALS	19350	857	753	544	447	836	208	194	203	386	548	297	439	662	730	4753	430	551	1046	140	162	756	179	168	137	304	335	309	2182	65	175	1160	251			

#Dissolved December 4, 1981.

\*=CHAPTER OR JOINT CHAPTER ESTABLISHED

## SECTION C

Table 2 - Society Membership, by Region, by Section, by Society - 1981

REGION 6	Total S Members	Total Affiliates	ASSP 1	BCCE 2	AP 3	CAS 4	NPS 5	VT 6	R 7	IM 9	AES 10	IT 12	IE 13	EM 14	ED 15	COMP 16	MTT 17	EMB 18	COM 19	SU 20	CHMT 21	CS 23	Ed 25	PC 26	EMC 27	SMC 28	GRS 29	SIT 30	PE 31	EI 32	MAG 33	IA 34	QEA 36	
Alamogordo-Holloman	25	0	0	0	1	0	0	0	0	1	2	1	0	4	0	8	1	1	1	0	0	1	1	0	0	1	1	1	0	0	0	0	0	0
Alaska	258	10	5	15	9	9	1	4	1	8	9	3	7	9	1	33	6	5	28	3	1	3	2	8	1	4	10	6	47	1	1	16	2	
Albuquerque	795	36	33	13	38*	32	60	4	12	23	26	12	1	35	45*	133	15*	22	20	9	11	40	8	3	25*	11	11	21	93*	2	3	12	22	
Boise	174	3	5	7	1	9	0	2	1	2	2	3	2	8	9	31	2	3	6	0	1	7	1	1	1	0	2	37	0	6	22	2		
Buenaventura	846	37	26	29	31*	41*	4*	4*	12*	19*	64*	15*	5*	43*	54*	203*	49*	20*	47*	13*	13*	30*	3*	9*	13*	8*	6	10	16*	2	23*	16*	18*	
China Lake	143	18	6	6	8*	9*	0*	1*	2*	8*	12*	1*	1*	3*	4*	36*	15*	1*	3*	4*	2*	6*	0*	1*	1*	1*	1	3	5*	1	0*	2*	0*	
Eastern Montana	27	1	0	1	0	0	0	0	0	2	0	0	1	1	0	1	0	0	2	0	0	0	1	0	0	0	0	0	14	0	0	3	1	
Foothill	887	51	22	31	25*	36*	9*	10*	17*	27*	34*	12*	13*	31*	24*	205*	45*	35*	45*	9*	13*	30*	10*	6*	16*	11*	10	7	80*	5	13*	47*	9*	
Fort Huachuca	98	1	3	3	5	1	2	1	0	3	1	3	1	8	0	19*	5	0	18*	0	1	0	0	3	7	0	1	2	11	0	0	0	0	
Hawaii	379	17	12	15	11	10	6	4	0	8	14	12	6	14	6	87	9	7	45	0	4	12	1	2	5	9	3	11	35	1	1	23	6	
Idaho	98	6	1	2	1	4	9	0	2	4	1	0	3	4	5	29	1	3	1	1	0	5	0	0	1	0	3	10	0	0	7	1		
Las Vegas	127	3	3	7	5	5	4	4	0	7	4	0	1	3	1	23	6	1	5	0	0	4	2	4	2	0	1	3	28*	0	0	0	4	
Los Alamos	205	33	4	2	0	8	41	3	3	3	0	1	5	4	11	43	4	3	3	1	1	5	0	3	1	2	2	7	8*	2	3	7	25*	
Met Los Angeles	1203	59	66	28	22*	64*	14*	9*	14*	15*	40*	45*	22*	28*	51*	225*	24*	37*	72*	9*	11*	60*	10*	13*	12*	30*	10	16	124	8	25*	59*	40*	
Montana	138	2	1	3	2	9	1	3	1	3	2	3	1	6	2	31	4	4	10	0	1	9	3	2	0	2	2	1	26	0	0	6	0	
Oakland-East Bay	2936	188	85*	71	41	209	110	26	31	67	42	44	58	74	184	743*	62	94*	131	19	27	113	12	26	21	47*	25*	52	254*	17	24	170*	57*	
Orange County	3617	236	147*	96	98*	194*	50*	33*	56*	69*	200*	67*	54*	111*	177*	964*	99*	100*	198*	49*	68*	143*	15*	32*	36*	57*	16	41	180*	14	60*	141*	52*	
Phoenix	2429	74	73	80	44*	128*	23	28	48	36	78	36	33	72	192*	645*	87*	39	145*	18	49	77*	21	23	13	28	12	32	252*	11	15	57*	34	
Portland	1985	111	46	54	15	94*	16	18	24	46	19	17	43	43	104*	480*	31*	56*	76	13*	32*	54	13	11	16	22	8	32	420*	8	11	145*	18	
Richland	248	8	3	4	2	8	15	2	2	5	2	1	12	11	1	45*	2	5	3	4	0	10	3	2	0	5	1	8	73*	1	2	16	0	
Sacramento	1056	40	40	47	16	69*	7	15*	9	24	21	14	21	24	26	289*	13	60*	59*	12	7	39*	11	4	4	22	6	18	119*	3	8	35*	14	
San Diego	2440	209	133	66	68*	108	55	11	41	47	108*	90	29	84	117	628*	67*	59	168*	16	39	84*	11	22	33*	45	22	29	140*	6	32	33	49	
San Fernando Valley	1936	105	67	66	81*	99*	20*	18*	54*	32*	142*	44*	23*	64*	472*	108*	50*	102*	9*	42*	75*	12*	15*	32*	39*	11	29	58*	5	39*	37*	24*		
San Francisco	1743	122	56	57	23	58	22	24	19	33	25	19	37	55	69	390	64	51	110*	10	12	61	9	17	13	26*	10	39	274*	4	12	128*	16*	
San Gabriel Valley	1018	51	34	33	29*	41*	16*	10*	10*	26*	41*	34*	9*	25*	45*	222*	38*	24*	62*	14*	11*	30*	3*	7*	9*	22*	21	19	85*	4	18*	42*	34*	
Santa Barbara	738	37	49	13	32	40	17	6	7	11	47	19	12	23	33	151	35	20	46	17	14	22	9	5	10	15	12	6	21	1	20	7	18	
Santa Clara Valley	10964	553	484	317	202*	723*	131*	66*	183*	191*	296*	233*	119*	377*	1157*	2884*	436*	200*	764*	117*	215*	299*	64	88	90*	190*	58	166	270*	33	280*	128	203	
Santa Monica Bay	1920	147	104	64	59*	100*	22*	11*	27*	22*	135*	82*	19*	54*	83*	485*	77*	55*	154*	7*	23*	87*	8*	18*	17*	41*	16	34	23*	1	21*	23*	48*	
Seattle	2656	180	105	72	86*	129*	28	26	29	56	144*	39	49	104	36	570*	53*	94*	126*	50	24*	115	18	21	36*	30	22	58	299*	5	19	184	29	
South Bay Harbor	2591	153	120	65	98*	113*	33*	17*	37*	27*	199*	81*	21*	63*	159*	600*	162*	39*	237*	15*	29*	123*	8*	18*	27*	28*	16	30	58*	3	34*	77*	54*	
Spokane	379	5	14	13	8*	13*	4	4	1	8	8	8	12	20*	7*	87*	7	7	14	1	2	32*	6	0	2	4	1	7	64*	0	1	21*	3	
Tucson	690	30	21	23	19	47	3	8	11	16	17	12	8	20	41	160*	23	25	25	3	21	22	9	3	11*	14	11	7	61*	1	13	15	20	
Utah	852	45	48	26	22*	38	6	2	6	12	18	14	21	25	44*	254*	26*	33*	41	11	5	34	12*	10	6	6	5	8	64*	1	6	37	11	
Vandenber	121	12	2	6	1	6	1	2	2	1	9	4	0	6	4	38	2	1	13	0	3	4	0	2	1	0	1	1	6	0	1	2	2	
Wenatchee	33	0	0	3	2	0	0	0	0	0	0	0	0	1	0	3	0	0	0	0	0	0	2	1	0	0	0	1	15	1	0	4	0	
TOTALS	45755	2583	1818	1338	1105	2454	730	376	662	862	1762	969	649	1460	2756	11217	1578	1154	2780	434	682	1638	287	379	461	722	332	710	3270	141	691	1522	816	

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## SECTION C

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REGION 7	Total S Members	Total Affiliates	ASSP 1	BCCE 2	AP 3	CAS 4	NPS 5	VT 6	R 7	IM 9	AES 10	IT 12	IE 13	EM 14	ED 15	COMP 16	MTT 17	EMB 18	COM 19	SU 20	CHMT 21	CS 23	Ed 25	PC 26	EMC 27	SMC 28	GRS 29	SIT 30	PE 31	EI 32	MAG 33	IA 34	QEA 36	
Bay of Quinte	360	4	9	6	3	20	3	4	3	10	5	8	18	10	3	78	4	14	26	2	2	22	2	3	1	4	2	4	35	6*	10	43	1	
Canadian Atlantic	271	4	13	14	10	12	2	5	2	5	5	2	4	8	2	53	5	15	28	5	0	14	3	9	5	4	6	3	22	1	1	11	2	
Hamilton	728	3	27	27	7	33*	7	3	3	25	16	8*	32	25	14	153*	16	20	41*	8	5	37*	16*	6	3	11	3	4	89*	7*	5	70*	7	
Kitchener-Waterloo	611	8	25*	17	11	49*	2	4	4	10	8	12*	12	19	19*	178*	15	13	52*	3	5	30*	10	19	2	16	1	11	32	5*	6	17	4	
London	315	7	11	18	4	13	1	2	0	5	4	3	23	13	3	65	4	11	24	7	1	12	5	3	2	1	2	4	33	3*	2	35	1	
Montreal	2404	47	88*	98	43*	108*	29	37	27*	61*	40	50	93	75*	39	477*	48*	67*	222*	12	18	101	27	26	17	55	10	27	275*	40*	15	148*	31	
New Brunswick	103	1	0	3	2	5	1	0	0	2	3	1	5	0	0	29	2	2	3	0	0	5	4	2	0	1	0	3	19	0	0	10	1	
Newfoundland-Labrador	66	3	3	1	1	0	0	1	0	0	2	2	0	4	0	17	0	3	6	0	0	2	1	1	0	0	3	1	9	0	1	6	2	
Northern Canada	559	13	13	19	7	24	10	8	8	13	11	4	21	16	5	131	11	13	34	1	4	34	6	12	2	7	6	10	69	1	2	47	10	
Ottawa	1774	65	94*	83	41	101	23	23	18	56*	68*	33	16	57*	47*	463*	49*	30	282*	5	18	42	10	28	17	25	13	25	46	7	3	29	22	
Quebec	194	4	13	9	6	6	1	3	2	11	5	2	9	1	1	49	4	3	19	0	1	6	4	3	1	4	2	2	12	2	0	9	4	
Saint Maurice	50	0	1	3	0	2	1	0	0	2	0	0	7	1	0	11	1	1	2	1	0	1	1	1	0	2	0	1	5	1	0	5	0	
Saskatchewan	310	8	6	13	3	15	2	2	3	5	8	6	8	16	5	58	3	12	20	1	4	16	8	5	0	13	1	12	33	3	4	22	3	
Southern Alberta	628	28	38	29	10	27	5	4	4	18	10	5	36	19	11	128*	5	16	24	6	3	27	5	8	1	11	24	13	69*	0	1	65*	6	
Toronto	3000	92	76	137*	43	144	31	63*	28	80*	55*	42	100	95	58	676*	45	84	204*	22	24	125	32	41	17	47	23	40	356*	43*	24	203*	42	
Vancouver	1182	49	26	50	15	34	11	21*	11	27	20	12	41*	32	16	293*	10	33	90*	7	13	51*	7	12	8	27	4	21	158*	11	7	105*	9	
Victoria	134	12	4	8	1	6	3	5	1	3	4	1	6	5	3	36	0	4	7	1	1	1	3	4	0	1	3	1	13	0	0	8	0	
Winnipeg	617	16	29	36	20	31	5	12	6	16	10	6	20	21	13	117*	17	25*	37*	3	7	23	7	17	3	9	4	10	64*	7	6	29	7	
TOTALS	13306	365	476	571	227	630	137	197	120	349	274	197	451	417	239	3012	239	366	1121	84	106	549	151	200	79	238	107	192	1339	137	87	862	152	
30	REGION 8	Total S Members	Total Affiliates	ASSP 1	BCCE 2	AP 3	CAS 4	NPS 5	VT 6	R 7	IM 9	AES 10	IT 12	IE 13	EM 14	ED 15	COMP 16	MTT 17	EMB 18	COM 19	SU 20	CHMT 21	CS 23	Ed 25	PC 26	EMC 27	SMC 28	GRS 29	SIT 30	PE 31	EI 32	MAG 33	IA 34	QEA 36
Austria	183	9	10	4	6	16	1	1	6	7	4	8	4	5	4	24	7	10	10	4	2	6	5	4	1	5	1	2	12	3	4	3	4	
Benelux	2461	57	142	71	59*	209	45	21	27	85	62	110	51	56	137	465	55*	103	188	25	31	135	35	16	20	88	14	38	57	14	32	43	27	
Denmark	750	9	56	29	28	61	9	5	15	28	21	22	19	11	29	116	41	32	55	15	14	36	8	9	11	16	4	9	15	5	2	11	18	
Egypt	352	1	13	8	15	25	5	2	2	7	15	13	9	5	15	45	20	13	22	5	4	28	8	2	2	2	6	0	3	31	7	4	13	5
Finland	621	15	34	26	20	34	9	1	11	22	7	12	19	22	16	143	20	27	41	7	15	42	3	3	8	25	6	5	11	7	5	13	7	
France	1649	40	75	30	42	76	37	17	46	60	64	64	48	30	74	221*	75	31	110	36	42	80	23	12	29	53	21	13	93*	22	43	41	41	
Germany (West)	1822	160	92	31	50	125	18	20	35	55	52	66	35	41	106	330	76	41	131	26	30	83	21	14	16	50	21	39	73	19	39	38	49	
Greece	843	7	37	27	29	51	9	7	10	14	23	42	37	25	17	122	25	17	76	2	5	72	10	1	12	22	10	6	66	3	7	42	17	
Iran	107	0	6	3	5	9	0	0	1	2	1	6	4	2	3	12	6	1	9	0	2	8	3	2	1	1	1	2	10	0	0	6	1	
Israel	988	40	60	17	32*	50	13	5	22	23	46	44	34	26	32*	196*	45*	29	86*	13	14	51	7	12	10	27	5	8	19	8	13	21	20	
Middle & South Italy	1013	10	32	27	46	59	16	12	18	28	42	46	24	18	62	127	51	48	82	19	16	55	13	12	17	38	10	5	28	6	14	20	22	
Nigeria	411	1	6	32	10	23	3	1	5	12	0	7	28	36	7	26	7	11	34	0	3	24	8	8	0	3	1	17	65	3	1	28	2	
North Italy	1405	29	58	37	35	85	19	16	33	50	17	46	53	30	63	271	38	61	95	13	29	87	9	12	14	40	7	8	68	18	16	53	24	
Norway	451	23	26	6	15	22	2	3	13	10	17	18	14	15	14	78	12	11	41	5	8	31	4	4	4	15	9	6	20	6	4	12	6	
Poland	73	3	1	1	2	3	0	0	1	2	2	0	4	1	6	7	4	1	1	1	4	7	3	1	2	3	0	0	12	1	2	0	1	
Portugal	219	6	15	1	2	16	3	2	3	9	4	4	10	9	4	44	3	6	10	2	1	9	9	5	1	3	2	3	19	2	3	11	4	
Saudi Arabia	592	9	11	28	10	12	2	6	5	13	10	6	16	46	8	74	12	18	48	5	1	32	7	11	5	10	6	29	104	7	3	45	2	
South Africa	237	8	13	2	6	18	1	2	2	9	10	10	10	7	30	11	4	21	3	0	14	6	2	1	3	4	4	22	0	0	11	1	1	
Spain	2131	14	106	64	57	141	29	22	37	80	44	88	81	48	64	305	71	113	139	21	34	115	70	24	22	106	16	26	68	15	28	64	33	
Sweden	1613	24	97	35	42	94	17	29	40	76	51	71	30	26	57	264	55	74	91	20	25	84	21	19	31	56	19	23	64	22	22	28	30	
Switzerland	1673	34	84*	50	36	97*	24	15	35	65	31	59	46	52	74*	291*	52	47	128*	25	45	66	25	16	39	30	10	34	82	20	22	39	34	
U K & Rep of Ireland	2691	113	136	83	82	158	30	39	53	64	64	73	67	60	110	522	123	50	233	42	27	118*	29*	40*	24	69	17	41	168	20	27	86	36	
Yugoslavia	327	4	10	10	6	19	6	1	8	15	6	14	15	7	14	43	11	6	25	1	8	28	8	4	5	15	1	1	19	2	3	12	4	
MEMBERS OUTSIDE SECTIONS	1460	18	45	42	42	89	11	10	20	43	23	32	64	51	49	189	45	32	119	13	11	100	27	11	7	24	13	37	209	17	16	56	13	
TOTALS	24072	634	1165	664	677	1492	309	237	448	779	616	861	722	632	972	3945	865	786	1795	303	371	1311	362	244	282	708	198	359	1335	227	310	696	401	

\*=-CHAPTER OR JOINT CHAPTER ESTABLISHED

## SECTION C

Table 2 - Society Membership, by Region, by Section, by Society - 1981

REGION 9	Total S Members	Total Affiliates	ASSP 1	BCCE 2	AP 3	CAS 4	NPS 5	VT 6	R 7	IM 9	AES 10	IT 12	IE 13	EM 14	ED 15	COMP 16	MTT 17	EMB 18	COM 19	SU 20	CHMT 21	CS 23	Ed 25	PC 26	EMC 27	SMC 28	GRS 29	SIT 30	PE 31	EI 32	MAG 33	IA 34	QEA 36
Argentina	1477	17	55	60	21	143	17	24	8	77	26	28	94	18	75	219	31	99	79	17	20	85	13	6	14	36	14	13	76*	11	10	66	22
Bahia	162	1	3	3	6	5	1	1	1	6	1	4	11	4	0	13	3	6	8	0	0	3	3	1	0	1	1	0	42	1	2	30	2
Bolivia	29	0	0	0	2	1	1	0	0	1	0	2	1	2	1	1	1	0	4	1	0	0	0	0	0	0	0	0	7	0	2	2	0
Brazilia	87	1	3	1	1	6	0	0	1	2	1	1	2	6	1	12	3	2	5	0	2	6	5	1	0	2	1	2	16	2	0	3	0
Central America	249	3	4	6	2	13	0	3	0	5	2	3	10	16	2	39	1	4	10	1	0	9	8	3	0	6	0	3	56	2	1	38	2
Chile	412	3	5	11	10	21	2	6	1	14	10	5	38	9	5	79	8	23	29	2	3	37	5	3	0	7	3	3	25	0	2	44	2
Colombia	1103	5	11	38	15	64	9	2	4	26	12	23	85	37	21	234	9	39	42	8	6	60	15	6	7	61	3	6	151	10	5	89	5
Ecuador	366	2	5	9	13	14	3	4	1	8	2	3	25	10	7	37	7	16	28	3	2	22	4	3	0	6	1	1	67	4	1	59	1
Jamaica	69	1	1	3	2	2	0	1	0	4	0	1	4	9	0	3	0	3	8	0	1	3	2	3	0	2	0	4	11	0	0	2	0
Mexico	1872	62	43	53	46	96	20	10	16	69	20	27	103	89*	28	294*	35	75	115*	16	22	99	61	21	6	67*	10	25	224*	39	13	120*	10
Monterrey	450	4	10	14	3	22	0	3	4	23	4	5	41	24	5	78	3	14	25	6	1	29	11	3	1	14	2	3	50*	6	1	44	1
Panama	131	0	0	4	3	6	0	3	3	3	1	0	6	7	0	13	0	4	10	0	0	3	3	1	0	0	0	1	28	4	0	28	0
Peru	505	0	3	26	13	30	8	1	3	18	4	5	42	18	16	46	15	10	38	4	3	29	4	6	2	17	2	4	64	9	5	55	5
P R & Virgin Is	248	6	5	20	4	8	0	3	2	4	3	2	4	15	1	35	3	8	24	1	3	9	5	6	0	1	0	9	52*	1	0	20	0
Rio de Janeiro	476	7	12	8	6	15	4	5	9	13	2	10	24	13	7	50	8	8	18	4	5	23	15	10	1	14	7	7	130	6	3	94	5
Sao Paulo	1206	13	24	40	27	58	9	6	18	51	14	19	67	46*	33	153*	34	38	56	10	13	67	22*	9	8	19	3	16	213*	14	10	94	15
Venezuela	959	25	30	36	26	27	5	13	12	28	9	10	60	44	16	110	21	22	60	8	5	46	22	9	2	13	2	12	181	12	2	113	3
MEMBERS OUTSIDE SECTIONS	256	8	9	16	4	10	1	7	4	3	3	4	5	20	4	30	3	5	28	1	1	3	8	5	2	5	2	5	40	3	2	22	1
TOTALS	10057	158	223	348	204	541	80	92	87	355	114	152	622	387	222	1446	185	376	587	82	87	533	206	96	43	271	51	114	1433	124	59	863	74
REGION 10	Total S Members	Total Affiliates	ASSP 1	BCCE 2	AP 3	CAS 4	NPS 5	VT 6	R 7	IM 9	AES 10	IT 12	IE 13	EM 14	ED 15	COMP 16	MTT 17	EMB 18	COM 19	SU 20	CHMT 21	CS 23	Ed 25	PC 26	EMC 27	SMC 28	GRS 29	SIT 30	PE 31	EI 32	MAG 33	IA 34	QEA 36
Australia	3037	80	133	122	83	193	19	40	34	85	68	57	142	76	76	610	85	96	231	30	28	154	44	34	16	67	19	78	223	21	12	130	31
Bangalore	286	1	9	5	4	13	2*	1	6	10	3*	3	21*	16	11*	46	3*	5	13*	2	6	20	1	5	1	5	1	4	36*	5	1	26*	2
Bombay	597	1	5	12	6	23	5*	5	8	29	4*	3	60*	23	20	119*	9*	13	14*	4	12	32	3	6	1	14	4	16	64*	12	7	59*	5
Calcutta	213	0	6	9	11	11	0*	2	1	11	2*	3	18*	2	11*	36	8*	6	11*	4	0	10	2	1	1	2	0	1	23*	3	0	12*	6
Delhi	323	1	13	7	13	15*	4*	0	7	6	12*	2	12*	5	17*	46	21*	7	16*	2	4	15*	2	1	2	7	2	6	47*	2	6	20*	4
Hong Kong	1812	24	43	181	19	101	7	6	7	35	19	13	52	75	57	556*	17	22	149	8	19	73	6	19	4	13	4	25	189	11	7	69	6
Korea	2335	13	152	51	55	181	39	15	21	63	70	103	94	16	105	362	85	82	181	39	20	184	22	17	17	93	26	8	59	17	22	52	84
Madras	280	0	16	13	12	12	2*	3	3	6	5*	4	12*	10	5*	67	5*	4	9*	3	4	9	2	3	3	3	2	2	32*	4	3	19*	3
Malaysia	174	5	1	8	1	15	3	2	3	4	1	2	8	11	3	49	0	3	12	0	4	6	1	1	0	3	1	4	19	1	1	5	2
New Zealand North	162	7	7	7	4	8	0	2	0	8	1	1	16	4	1	39	1	5	10	1	0	6	3	3	0	2	3	4	6	1	1	17*	1
New Zealand South	201	3	5	6	9	10	1	1	3	5	3	0	8	7	0	49	4	13	13	0	2	8	1	2	0	5	1	9	22	1	1	11*	1
Pakistan	108	0	1	5	4	5	0	0	0	4	3	2	5	4	2	14	2	2	13	1	1	5	2	0	0	0	0	4	21	1	0	6	1
Philippines	147	5	1	8	0	9	1	0	1	2	1	0	8	13	3	37	0	2	16	0	3	6	2	1	0	3	0	4	17	2	1	6	0
Taipei	707	3	41	26	13	38	8	7	6	19	9	27	25	22	61	124*	20	22	64	12	11	32	6	2	2	21	6	6	35	3	5	17	17
Singapore	711	16	13	34	9	42	4	7	7	12	10	10	34	35	17	240	9	9	43	4	21	37	9	9	0	8	4	10	38	1	0	29	6
Thailand	392	4	13	19	8	23	6	4	3	15	6	8	27	9	11	57	14	11	22	7	6	23	5	3	2	8	2	4	35	5	4	25	7
Tokyo	7725	81	310	234*	250*	420*	128*	143*	150	213*	172	278*	189	110	541*	866*	390*	206*	556*	166	190*	335*	95*	53	118*	268*	89	39	334*	133*	244*	186*	319
US Military APO/FPO	342	20	11	10	11	5	3	2	1	7	25	10	2	17	3	94	8	4	55	0	1	11	3	5	1	5	4	9	19	0	2	12	2
MEMBERS OUTSIDE SECTIONS	189	6	2	7	4	7	0	2	3	7	5	4	6	12	6	38	2	3	18	1	0	8	6	3	1	2	2	5	26	0	0	9	0
TOTALS	19741	270	782	764	516	1131	232	242	264	541	419	530	739	467	950	3449	683	515	1446	284	332	974	215	168	169	529	170	238	1245	223	317	710	497

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## SECTION C

TABLE 3 - NUMBER OF IEEE SOCIETY MEMBERSHIPS HELD BY IEEE MEMBERS,  
BY REGION, BY SECTION, DECEMBER 31, 1981

REGION 1	Number of Society Memberships						
	0	1	2	3	4	5	More than 5
<u>Section</u>							
Berkshire	132	72	21	9	3	0	0
Binghamton	307	238	72	20	7	7	3
Boston	2,993	3,076	1,230	525	205	79	118
Buffalo	499	305	92	40	24	13	5
Connecticut	1,721	1,141	434	196	75	28	29
Ithaca	142	135	59	30	7	8	6
Long Island	2,038	1,045	358	142	61	20	47
Maine	277	99	39	17	7	3	2
Mid-Hudson	461	435	118	32	5	9	7
Mohawk Valley	357	166	69	36	11	11	5
New Hampshire	563	475	136	57	24	14	8
New Jersey Coast	894	675	265	101	38	16	19
New York	2,905	1,859	714	279	131	52	87
North Jersey	2,589	1,540	614	214	85	32	41
Princeton	971	765	281	97	38	16	23
Providence	556	357	138	68	16	11	11
Rochester	588	494	151	50	19	3	13
Schenectady	519	549	200	65	17	9	13
Springfield	218	150	45	26	7	4	4
Syracuse	392	399	147	50	23	6	5
Vermont	269	150	66	19	2	0	3
Worcester County	248	228	88	37	12	3	9
Total Region 1	19,639	14,353	5,337	2,110	817	344	458
<u>REGION 2</u>							
Akron	234	159	58	18	5	1	3
Allegheny Mountain	50	20	5	1	1	0	1
Baltimore	1,319	1,110	360	127	52	27	23
Canton	114	67	24	8	6	1	3
Central Pennsylvania	265	138	53	14	8	3	3
Cincinnati	364	273	102	36	20	2	7
Cleveland	674	550	214	70	47	28	22
Columbus	512	491	174	67	25	12	23
Dayton	633	500	168	71	25	15	8
Delaware Bay	173	157	56	17	6	4	6
Eastern Shore	86	36	7	4	1	0	1
Erie	150	65	26	7	2	0	3
Johnstown	90	40	10	8	2	2	0
Lehigh Valley	708	436	144	35	14	10	5
Lima	108	27	7	4	4	0	0
North Central Ohio	54	29	11	4	0	0	2
Northern Virginia	1,493	1,279	505	203	76	40	68
Ohio Valley	56	21	8	4	0	0	0
Philadelphia	2,318	1,683	603	205	93	38	44
Pittsburgh	1,152	1,047	348	132	51	17	19
Sharon	222	59	26	6	4	3	1
Southern New Jersey	105	49	26	6	0	0	2
Susquehanna	351	176	55	25	7	3	7
Washington	2,063	1,691	711	270	123	43	70
West Virginia	124	55	17	4	1	0	2
Total Region 2	13,418	10,158	3,718	1,346	573	249	323

## SECTION C

TABLE 3 - NUMBER OF IEEE SOCIETY MEMBERSHIPS HELD BY IEEE MEMBERS,  
BY REGION, BY SECTION, DECEMBER 31, 1981

## REGION 3

Section	Number of Society Memberships						
	0	1	2	3	4	5	More than 5
Alabama	562	316	86	28	7	5	4
Atlanta	1,014	887	315	136	50	22	22
Baton Rouge	249	97	37	10	4	1	1
Broward	306	223	76	24	8	4	8
Canaveral	425	333	122	45	19	6	13
Central North Carolina	150	55	24	9	7	0	1
Central Savannah River	77	36	10	1	0	1	0
Central Virginia	214	176	75	38	11	5	8
Charlotte	307	259	77	19	5	3	0
Chattanooga	171	127	23	8	0	0	0
Coastal South Carolina	191	64	17	8	3	5	1
Columbia	149	114	38	15	3	2	0
Daytona	92	56	17	2	2	2	0
East Tennessee	398	263	71	17	7	6	3
Eastern North Carolina	479	409	166	74	17	10	3
Evansville-Owensboro	217	72	29	9	6	2	3
Florida West Coast	778	521	141	48	32	6	13
Fort Walton	104	37	13	9	2	1	0
Gainesville	134	114	36	16	9	6	4
Hampton Roads	328	178	65	30	11	4	4
Huntsville	433	276	76	27	7	10	11
Jacksonville	96	62	11	7	5	0	0
Lexington	128	59	27	9	6	2	0
Louisville	430	131	34	12	4	1	3
Memphis	338	126	36	20	6	4	3
Miami	426	309	103	40	13	6	7
Middle Tennessee	45	19	5	1	1	0	0
Mississippi	324	106	32	11	7	4	1
Mobile	179	47	11	4	0	1	0
Nashville	375	120	58	22	5	6	4
New Orleans	437	286	90	30	9	4	2
Oak Ridge	110	59	24	5	4	1	0
Orlando	443	285	100	29	9	5	3
Palm Beach	321	187	57	18	10	1	3
Panama City	94	42	6	1	0	2	0
Pensacola	78	24	9	0	2	0	0
Piedmont	247	131	42	19	7	0	1
Richmond	226	166	48	17	5	2	5
Savannah	78	26	6	6	0	0	0
Tri Cities	57	104	21	9	5	1	1
Virginia Mountain	388	185	62	28	8	6	3
Western North Carolina	61	42	14	1	3	1	1
Winston-Salem	95	37	7	7	0	1	0
Total Region 3	11,754	7,166	2,317	869	319	149	136

## SECTION C

TABLE 3 - NUMBER OF IEEE SOCIETY MEMBERSHIPS HELD BY IEEE MEMBERS,  
BY REGION, BY SECTION, DECEMBER 31, 1981

Section	Number of Society Memberships						
	0	1	2	3	4	5	More than 5
<b>REGION 4</b>							
Arrowhead	118	50	14	3	3	0	0
Calumet	327	137	59	17	9	2	3
Cedar Rapids	237	120	38	21	4	2	4
Central Illinois	296	329	131	48	35	6	5
Central Indiana	674	586	205	99	36	22	9
Central Iowa	179	214	47	12	2	4	1
Chicago	2,057	2,017	705	276	111	52	67
Fort Wayne	195	141	34	20	7	6	5
Illinois Valley	117	57	13	7	3	2	3
Iowa-Illinois	137	104	19	11	1	0	1
Madison	164	248	83	38	8	4	9
Michiana	239	91	36	22	11	1	4
Milwaukee	723	601	201	74	33	28	17
Nebraska	311	249	94	31	9	2	5
Northeast Michigan	147	93	35	10	8	2	2
Northeastern Wisconsin	231	180	71	20	13	4	3
Rock River Valley	120	74	29	7	6	3	3
Siouxland	130	48	15	3	1	0	0
Southeastern Michigan	1,406	1,127	446	181	85	34	39
Southern Minnesota	92	107	25	9	5	1	5
Toledo	220	119	43	14	9	3	3
Twin Cities	943	1,045	360	154	60	23	33
West Michigan	240	157	64	17	7	1	1
Total Region 4	9,303	7,894	2,767	1,094	466	202	222
<b>REGION 5</b>							
Arkansas	210	134	25	8	0	0	0
Beaumont	176	52	19	11	1	4	2
Central Texas	656	735	205	75	25	14	16
Corpus Christi	207	68	21	7	2	1	1
Dallas	1,370	1,217	405	151	36	24	29
Denver	1,311	1,139	437	184	73	16	39
El Paso	273	108	43	14	6	3	7
Fort Worth	439	369	130	42	23	7	12
Galveston Bay	231	197	61	17	7	5	2
Houston	1,383	1,058	414	200	85	41	35
Kansas City	771	438	155	60	23	11	16
Lafayette	141	63	9	3	1	2	0
Oklahoma City	223	165	53	19	8	3	8
Ozark	122	37	17	3	1	0	1
Panhandle	98	37	7	1	2	0	0
Permian Basin	59	13	7	3	0	1	0
Pikes Peak	221	185	56	29	7	5	9
St. Louis	1,136	815	252	95	44	18	12
Shreveport	259	75	21	11	5	2	0
South Plains	199	63	24	13	6	3	1
Tulsa	292	193	78	30	13	3	9
West Central Texas	41	29	8	4	0	1	1
Wichita	176	159	48	20	2	4	2
Total Region 5	9,994	7,349	2,495	1,000	370	168	202

## SECTION C

TABLE 3 - NUMBER OF IEEE SOCIETY MEMBERSHIPS HELD BY IEEE MEMBERS,  
BY REGION, BY SECTION, DECEMBER 31, 1981

Section	Number of Society Memberships						
	0	1	2	3	4	5	More than 5
Alamogordo-Holloman	23	11	3	1	0	1	0
Alaska	101	80	26	15	8	4	3
Albuquerque	367	291	107	45	16	7	6
Boise	90	92	12	5	6	1	1
Buenaventura	372	248	114	56	16	7	12
China Lake	110	57	22	6	4	0	1
Eastern Montana	36	16	4	1	0	0	0
Foothill	526	341	114	51	19	3	7
Fort Huachuca	70	37	15	9	1	0	0
Hawaii	332	139	53	15	6	4	5
Idaho	74	33	19	5	0	0	1
Las Vegas	81	44	16	7	2	2	2
Los Alamos	82	72	34	9	5	1	2
Metropolitan Los Angeles	350	366	128	66	37	11	13
Montana	114	44	18	9	3	1	2
Oakland--East Bay	835	969	409	143	64	31	41
Orange County	1,699	1,314	429	201	69	31	41
Phoenix	1,023	955	301	118	33	20	25
Portland	802	873	260	83	29	11	18
Richland	151	99	41	11	3	1	2
Sacramento	755	421	151	35	19	13	10
San Diego	807	804	323	116	55	31	33
San Fernando Valley	906	652	246	87	47	20	25
San Francisco	557	669	209	84	33	21	20
San Gabriel Valley	363	349	117	56	18	11	16
Santa Barbara	308	214	85	38	20	12	8
Santa Clara Valley	2,603	3,602	1,488	579	236	84	133
Santa Monica Bay	539	571	211	127	48	24	27
Seattle	1,076	937	381	138	46	22	27
South Bay Harbor	815	828	353	130	64	25	36
Spokane	297	155	49	26	5	3	2
Tucson	287	266	99	26	19	5	6
Utah	363	278	115	52	18	11	6
Vandenberg	72	50	12	6	4	1	1
Wenatchee	23	16	4	3	0	0	0
Total Region 6	17,009	15,893	5,968	2,359	953	419	532

## SECTION C

TABLE 3 - NUMBER OF IEEE SOCIETY MEMBERSHIPS HELD BY IEEE MEMBERS,  
BY REGION, BY SECTION, DECEMBER 31, 1981

## REGION 7

Section	Number of Society Memberships						
	0	1	2	3	4	5	More than 5
Bay of Quinte	100	93	53	24	3	2	9
Canadian Atlantic	145	70	34	11	10	3	5
Hamilton	294	198	70	47	24	13	11
Kitchener-Waterloo	102	190	96	29	15	6	8
London	275	92	45	21	8	5	2
Montreal	750	627	294	129	48	34	48
New Brunswick	153	36	17	5	2	2	0
Newfoundland--Labrador	62	26	10	5	0	1	0
Northern Canada	231	158	80	25	13	8	8
Ottawa	558	564	239	91	43	15	23
Quebec	118	65	29	11	1	4	2
St. Maurice	23	11	11	3	2	0	0
Saskatchewan	214	63	28	24	8	3	7
Southern Alberta	168	166	84	36	21	10	7
Toronto	1,166	913	347	163	77	28	54
Vancouver	389	367	140	45	17	15	32
Victoria	50	45	14	10	1	1	3
Winnipeg	253	161	67	33	16	8	12
Total Region 7	5,051	3,845	1,658	712	309	158	231

## REGION 8

Austria	16	25	12	7	10	5	7
Benelux	293	416	252	140	75	37	67
Denmark	37	100	69	39	29	12	24
Egypt	27	58	32	21	14	7	9
Finland	28	82	58	35	23	12	20
France	189	265	132	62	28	21	63
Germany (West)	121	336	168	86	47	34	54
Greece	49	94	46	36	29	22	37
Iran	9	14	13	7	2	1	5
Israel	102	196	97	45	28	7	28
Middle & South Italy	63	132	81	43	24	13	35
Nigeria	50	54	40	29	13	7	11
North Italy	161	260	127	66	31	15	49
Norway	31	64	33	19	19	6	19
Poland	4	35	7	4	1	0	1
Portugal	6	28	29	12	8	3	3
Saudi Arabia	174	130	64	35	15	9	16
South Africa	43	33	21	20	12	4	5
Spain	58	124	99	86	51	38	119
Sweden	54	201	109	85	39	19	66
Switzerland	270	315	135	86	42	26	62
United Kingdom and Republic of Ireland	607	663	327	125	69	34	57
Yugoslavia	10	59	45	20	15	4	5
Members Not Assigned to Sections	232	246	125	99	40	23	40
Total Region 8	2,634	3,930	2,121	1,207	664	359	802

## SECTION C

TABLE 3 - NUMBER OF IEEE SOCIETY MEMBERSHIPS HELD BY IEEE MEMBERS,  
BY REGION, BY SECTION, DECEMBER 31, 1981

Section	Number of Society Memberships						
	0	1	2	3	4	5	More than 5
<b>REGION 9</b>							
Argentina	64	117	68	63	47	29	81
Bahia	10	31	28	10	2	5	2
Bolivia	5	6	3	1	1	2	0
Brazilia	1	21	9	2	3	2	3
Central America	132	53	39	17	1	4	5
Chile	37	63	38	29	10	8	13
Colombia	26	174	120	65	37	25	27
Ecuador	12	31	50	21	10	7	11
Jamaica	30	10	10	4	3	3	0
Mexico Council	0	1	0	0	0	0	0
Mexico	206	354	151	106	67	27	56
Monterrey	226	95	48	29	10	8	10
Panama	31	35	18	4	1	6	2
Peru	20	30	39	31	17	9	23
Puerto Rico & Virgin Is.	164	73	40	19	7	2	0
Rio de Janeiro	30	111	55	22	11	3	12
Sao Paulo	59	209	141	73	33	20	30
Venezuela	92	163	102	61	36	17	22
Members Not Assigned to Sections	59	46	37	10	7	4	3
Total Region 9	1,204	1,623	996	567	303	181	300
<b>REGION 10</b>							
APO & FPO	196	136	53	15	8	3	2
Australia	241	480	291	195	110	60	83
Bangalore	102	66	36	13	2	4	7
Bombay	241	157	83	20	15	6	12
Calcutta	143	71	37	13	3	1	2
Delhi	95	105	50	18	3	1	4
Hong Kong	741	470	228	136	55	27	16
Korea	23	136	98	94	82	50	126
Madras	284	111	29	13	1	1	3
Malaysia	47	44	18	8	6	3	3
New Zealand North	26	25	23	12	2	4	4
New Zealand South	51	59	27	12	5	0	4
Pakistan	95	34	8	4	1	2	4
Philippines	23	40	11	16	5	1	1
Singapore	116	181	87	41	24	11	10
Taipei	36	94	55	38	23	12	29
Thailand	31	35	23	18	15	5	15
Tokyo	245	1,322	758	325	159	81	216
Members Not Assigned to Sections	52	45	18	13	4	3	4
Total Region 10	2,788	3,611	1,933	1,004	523	275	545
TOTAL ALL REGIONS	92,794	75,822	29,310	12,268	5,297	2,504	3,751



SECTION CTABLE 4 - IEEE SOCIETY CHAPTER ACTIONS IN 1981

<u>Region/Section</u>	<u>New Chapters</u>	<u>Change in Status of Existing Chapter</u>
<u>REGION 1</u>		
Long Island	SU-20	
<u>REGION 2</u>		
Canton		CAS-04/VT-06/COMM-19/COMP-16
Northern Virginia	COMP-16	
Washington	CS-23	
Washington	PC-26	
<u>REGION 3</u>		
Atlanta	ASSP-01	
Lexington/Louisville	COMP-16	
Nashville	COMP-16	
Tri-Cities	COMP-16	
<u>REGION 4</u>		
Cedar Rapids	COMP-16	
Illinois Valley	COMP-16	
Milwaukee	EM-14	
Siouxland	PE-31	
<u>REGION 5</u>		
Dallas		VT-06/COMM-19
Dallas	QEA-36	
Denver (Littleton)	EMC-27	
Pikes Peak	CAS-04/ED-15	
<u>REGION 6</u>		
Los Angeles Council	SU-20	
Oakland-East Bay/ San Francisco/ Santa Clara Valley	QEA-36	
Oakland-East Bay/ Santa Clara Valley	GRS-29	
Orange County	ASSP-01	
Orange County	CAS-04/ED-15	
Phoenix	COMM-19	
Utah	AP-03/ED-15/MTT-17	
<u>REGION 7</u>		
Ottawa	COMP-16	
Toronto	COMP-16	
Winnipeg	EMB-18	
<u>REGION 8</u>		
Israel	COMP-16	
<u>REGION 9</u>		
Sao Paulo	EM-14	
<u>REGION 10</u>		
Delhi	PE-31	
Hong Kong	COMP-16	
Tokyo	IT-12	
Tokyo	Ed-25	
Tokyo	NPS-05	
Tokyo	CS-23	

No formal dissolutions of IEEE Society Chapters were approved during 1981.

## SECTION C

Table 5 - IEEE Society Chapters - as of 12/31/81

<u>Code</u>	<u>Society Name</u>	<u>No of Chapters</u>		<u>Section/Council Location</u>	
AES-10	Aerospace & Electronic Systems	27	All India Council	Long Island	San Diego
			Baltimore	Los Angeles Council	Santa Clara Valley
			Central New Eng- land Council	Mohawk Valley	Seattle
			Cleveland	New Jersey Coast	Southeastern Michigan
			Dayton	NY/NO Jersey	Syracuse
			Denver	Orlando	Toronto
			Fort Wayne	Ottawa	Vancouver
			Fort Worth	Philadelphia	Washington
			Houston	Rochester	
				Saint Louis	
AP-03	Antennas & Propagation	32	Albuquerque	Florida W Coast	Saint Louis
			Atlanta	Houston	San Diego
			Baltimore	Huntsville	Santa Clara Valley
			Benelux	Israel	Southeastern Michigan
			Canaveral	Long Island/NY	Seattle
			Central New Eng- land Council	Los Angeles Council	Spokane
			Chicago	Montreal	Syracuse
			Columbus	North Jersey	Tokyo
			Dallas	Orange County	Utah
			Denver	Philadelphia	Vancouver
				Phoenix	Washington
ASSP-01	Acoustics, Speech & Signal Processing	17	Atlanta	Kitchener-Waterloo	Philadelphia
			Connecticut	Montreal	Schenectady
			Chicago	Northern Virginia	Southeastern Michigan
			Cleveland	Oakland-East Bay	Switzerland
			Florida W Coast	Orange County	Washington
			Houston	Ottawa	
BCCE-02	Broadcast, Cable & Consumer Electronics	8	Cleveland	New York	Toronto
			Chicago	Philadelphia	Washington
			Florida W Coast	Tokyo	
CAS-04	Circuits & Systems	30	Canton	Los Angeles Council	Seattle
			Central Indiana	Mid-Hudson	Spokane
			Central New Eng- land Council	Montreal	Syracuse
			Chicago	Orange County	Santa Clara Valley
			Cleveland	Ottawa	Southeastern Michigan
			Delhi	Philadelphia	Switzerland
			Fort Wayne	Phoenix	Tokyo
			Hamilton	Pikes Peak	Twin Cities
			Houston	Portland	United Kingdom & the Republic of Ireland
			Kitchener-Waterloo	Princeton	
				Sacramento	

## SECTION C

Table 5 - IEEE Society Chapters - as of 12/31/81

<u>Code</u>	<u>Society Name</u>	<u>No of Chapters</u>	<u>Section/Council Location</u>		
COMM-19	Communications	54	Alabama	Hamilton	Pittsburgh
			All India Council	Houston	Phoenix
			Atlanta	Israel	Rochester
			Baltimore	Kansas City	Sacramento
			Canton	Kitchener-Waterloo	Saint Louis
			Central Illinois	Long Island	San Diego
			Central New Eng- land Council	Los Angeles Council	Santa Clara Valley
			Charlotte	Maine	San Francisco
			Chicago	Mexico	Schenectady
			Columbus	Miami	Seattle
			Dallas	Mohawk Valley	Southeastern Michigan
			Denver	Montreal	Switzerland
			Eastern NC/ Central NC/ Winston-Salem	New Jersey Coast	Syracuse
			Florida W Coast	New Orleans	Tokyo
			Fort Huachuca	New York	Toronto
			Fort Wayne	North Jersey	Twin Cities
				Orlando	Vancouver
				Ottawa	Winnipeg
				Philadelphia	Washington
			CHMT-21	Components, Hybrids & Manufacturing Technology	11
Chicago	Los Angeles Council	Portland			
Dayton	New Jersey Coast	Santa Clara Valley			
	NY/LI/No Jersey	Tokyo			
CS-23	Control Systems	35	Baltimore	Huntsville	Schenectady
			Buffalo	Kitchener-Waterloo	Southeastern Michigan
			Central New Eng- land Council	Long Island/NY	Spokane
			Chicago	Los Angeles Council	Tokyo
			Cleveland	Milwaukee	Toledo
			Columbus	North Jersey	United Kingdom & the Republic of Ireland
			Dallas	Northern Virginia	Vancouver
			Dayton	Philadelphia	Virginia Mountain
			Delhi	Phoenix	Washington
			Denver	Pittsburgh	Wichita
			Fort Worth	Sacramento	
			Hamilton	San Diego	
				Santa Clara Valley	

## SECTION C

Table 5 - IEEE Society Chapters - as of 12/31/81

<u>Code</u>	<u>Society Name</u>	<u>No of Chapters</u>	<u>Section/Council Location</u>					
COMP-16	Computer	92	Akron	Hamilton	Phoenix			
			Alabama	Hampton Roads	Pittsburgh			
			Arkansas	Hong Kong	Portland			
			Atlanta	Houston	Princeton			
			Baltimore	Huntsville	Richland			
			Binghamton	Illinois Valley	Rochester			
			Bombay	Israel	Sacramento			
			Broward	Kitchener-Waterloo	Saint Louis			
			Buffalo	Lehigh Valley	San Diego			
			Canaveral	Lexington/Louisville	Santa Clara Valley			
			Canton	Long Island	Sao Paulo			
			Cedar Rapids	Los Angeles Council	Schenectady			
			Central Indiana	Mexico	Seattle			
			Central New Eng- land Council	Mid-Hudson	Southern Alberta			
			Central Texas	Milwaukee	Southeastern Michigan			
			Charlotte	Mohawk Valley	Spokane			
			Chicago	Montreal	Switzerland			
			Cleveland	Nashville	Syracuse			
			Columbus	Nebraska	Taipei			
			Connecticut	New Hampshire	Tokyo			
			Dallas	New Jersey Coast	Toledo			
			Dayton	New Orleans	Toronto			
			Delaware Bay	New York	Tri Cities			
			Denver	North Jersey	Tucson			
			Eastern Shore	Northern Virginia	Twin Cities			
			Florida W Coast	Oakland-East Bay	Utah			
			Fort Huachuca	Oklahoma City	Vancouver			
			Fort Wayne	Orange County	Virginia Mountain			
			Fort Worth	Orlando	Washington			
			France	Ottawa	Wichita			
				Philadelphia	Winnipeg			
			Ed-25	Education	8	Central New Eng- land Council	Mexico	United Kingdom & the Republic of Ireland
						Hamilton	New Jersey Coast	Utah
			Los Angeles Council	Tokyo				
EI-32	Electrical Insulation	3	Bay of Quinte/ Hamilton/ Kitchener-Waterloo/ London/Toronto	Montreal/Ottawa	Tokyo			
EMC-27	Electromagnetic Compatibility	20	Albuquerque	Dayton	Philadelphia			
			Atlanta	Denver	San Diego			
			Baltimore	Denver (Littleton)	Santa Clara Valley			
			Central New Eng- land Council	Los Angeles Council	Seattle			
			Central Texas	Long Island/NY	Tokyo			
			Chicago	Mohawk Valley	Tucson			
				New Jersey Coast	Washington			

## SECTION C

Table 5 - IEEE Society Chapters - as of 12/31/81

<u>Code</u>	<u>Society Name</u>	<u>No of Chapters</u>	<u>Section/Council Location</u>		
ED-15	Electron Devices	35	Albuquerque All India Council Central Illinois Central New Eng- land Council Chicago Dayton Houston Israel Kitchener-Waterloo Lehigh Valley Los Angeles Council	Mid-Hudson Milwaukee New Jersey Coast New York/LI 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
EM-14	Engineering Management	28	Broward Buffalo Canaveral Central Indiana Central New Eng- land Council Chicago Dayton Denver Houston	Huntsville Kansas City Los Angeles Council Mexico Miami Milwaukee Mohawk Valley Montreal Nebraska North Jersey/NY	Ottawa Philadelphia Pittsburgh Rochester Santa Clara Valley Sao Paulo Southeastern Michigan Spokane Washington
EMB-18	Engineering in Medicine and Biology	38	Atlanta Central Indiana Central New Eng- land Council Central Texas- (Austin) Central Texas- (San Antonio) 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 Winnipeg
GRS-29	Geoscience & Remote Sensing	2	North Jersey	Oakland-East Bay/ Santa Clara Valley	
IE-13	Industrial Electronics	12	All India Council Arkansas Beaumont Chicago	Cleveland Connecticut Lehigh Valley Los Angeles Council	Santa Clara Valley Toledo Vancouver Virginia Mountain

## SECTION C

Table 5 - IEEE Society Chapters - as of 12/31/81

<u>Code</u>	<u>Society Name</u>	<u>No of Chapters</u>		<u>Section/Council Location</u>				
IA-34	Industry Applications	58	Akron	Eastern NC	Rochester			
			Alabama	Hamilton	Sacramento			
			All India Council	Houston	Saint Louis			
			Arkansas	Los Angeles Council	San Francisco			
			Atlanta	Maine	Schenectady			
			Baltimore	Mexico	Seattle			
			Baton Rouge	Miami	Southern Alberta			
			Buffalo	Middle Tennessee	Southeastern Michigan			
			Central Illinois	Milwaukee	Spokane			
			Central New Eng- land Council	Montreal	Syracuse			
			Chicago	North Jersey	Tokyo			
			Cincinnati	NY/Long Island	Toledo			
			Cleveland	New Zealand	Toronto			
			Columbus	Oakland-East Bay	Tulsa			
			Connecticut	Oklahoma City	Twin Cities			
			Dallas	Orlando	Vancouver			
			Dayton	Philadelphia	Virginia Mountain			
			Delaware Bay	Phoenix	Washington			
			Denver	Pittsburgh	Wichita			
			Denver	Portland				
			IT-12	Information Theory	17	Buffalo	Denver	Philadelphia
						Central New Eng- land Council	Chicago/Central Ill/ Central Indiana	Phoenix
						Central NC/ Eastern NC/ Winston-Salem	Hamilton	Santa Clara Valley
Dallas	Kitchener-Waterloo	Schenectady						
	Los Angeles Council	Southeastern Michigan						
	NY/LI/No Jersey	Tokyo						
		Washington						
IM-09	Instrumentation & Measurement	15	Central Illinois	Los Angeles Council	Santa Clara Valley			
			Central New Eng- land Council	Montreal	Tokyo			
			Chicago	NY/LI/No Jersey	Toronto			
			Cleveland	Ottawa	Washington			
			Denver	Portland				
	Southeastern Michigan							
MAG-33	Magnetics	11	Central New Eng- land Council	Milwaukee	Santa Clara Valley			
			Houston	Philadelphia	Tokyo			
			Los Angeles Council	Pittsburgh	Twin Cities			
				Princeton	Washington			
MTT-17	Microwave Theory & Techniques	39	Albuquerque	Houston	Portland			
			All India Council	Huntsville	Princeton			
			Atlanta	Israel	Saint Louis			
			Baltimore	Long Island/NY	San Diego			
			Benelux	Los Angeles Council	Santa Clara Valley			
			Canaveral	Milwaukee	Schenectady			
			Central Illinois	Montreal	Seattle			
			Central New Eng- land Council	New Jersey Coast	Southeastern Michigan			
			Chicago	North Jersey	Syracuse			
			Columbus	Orange County	Tokyo			
			Dallas	Orlando	Utah			
			Denver	Ottawa	Washington			
			Florida W Coast	Philadelphia				
				Phoenix				

## SECTION C

Table 5 - IEEE Society Chapters - as of 12/31/81

<u>Code</u>	<u>Society Name</u>	<u>No of Chapters</u>		<u>Section/Council Location</u>	
NPS-05	Nuclear & Plasma Sciences	9	All India Council Central Illinois Central New Eng- land Council	Chicago Connecticut Los Angeles Council North Jersey	Santa Clara Valley Tokyo
PC-26	Professional Communication	3	United Kingdom & the Republic of Ireland	Los Angeles Council Washington	
PE-31	Power Engineering	100	Akron Alabama Albuquerque All India Council Argentina Arkansas Atlanta Baltimore Beaumont Berkshire Boston Broward Buffalo Canton Central Illinois Central Indiana Central Texas Charlotte Chattanooga Chicago Cincinnati Cleveland Columbus Connecticut Corpus Christi Dallas Dayton Delaware Bay Delhi Denver Eastern NC East Tennessee Erie Florida W Coast	Fort Worth France Greece Hamilton Houston Jacksonville Kansas City Las Vegas Lehigh Valley Los Angeles Council 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 Oakland-East Bay Oklahoma City Orlando Ottawa Palm Beach Philadelphia Phoenix Pittsburgh	Portland Princeton Puerto Rico & the Virgin Islands Richland Rochester Sacramento Saint Louis San Diego San Francisco Santa Clara Valley Sao Paulo Schenectady Seattle Sharon Shreveport Siouxland Southern Alberta Southeastern Michigan Spokane Syracuse Tokyo Toledo Toronto Tucson Tulsa Twin Cities Utah Vancouver Virginia Mountain Washington Wichita Winnipeg Worcester County
QEA-36	Quantum Electronics & Applications	7	Central New Eng- land Council Dallas Los Alamos Los Angeles Council	New Jersey Coast Oakland-East Bay/ San Francisco/ Santa Clara Valley	Washington
R-07	Reliability	19	Baltimore Binghamton Canaveral/ Daytona Central New Eng- land Council Cleveland	Chicago Connecticut Denver Florida W Coast Los Angeles Council Mohawk Valley Montreal	New Jersey Coast NY/Long Island North Jersey Philadelphia Santa Clara Valley Twin Cities Washington

## SECTION C

Table 5 - IEEE Society Chapters - as of 12/31/81

<u>Code</u>	<u>Society Name</u>	<u>No of Chapters</u>		<u>Section/Council Location</u>	
SU-20	Sonics & Ultrasonics	7	Central New Eng- land Council Long Island	Los Angeles Council Pittsburgh Portland	Santa Clara Valley Washington/Baltimore/ Northern Virginia
SMC-28	Systems, Man & Cybernetics	18	Central New Eng- land Council Cleveland Connecticut Dallas Long Island/NY Los Angeles Council	Mexico Milwaukee New Jersey Coast North Jersey Philadelphia Pittsburgh Schenectady	Santa Clara Valley/ San Francisco/ Oakland-East Bay Southeastern Michigan Tokyo Twin Cities Washington
VT-06	Vehicular Technology	23	Canton Central New Eng- land Council Chicago Cincinnati/Dayton Cleveland Columbus Dallas	Denver Florida West Coast Los Angeles Council Miami NY/LI/No Jersey New Jersey Coast Orlando Philadelphia	Pittsburgh Sacramento Santa Clara Valley Southeastern Michigan Tokyo Toronto Vancouver Washington
30	Societies	620*			

\*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, 1981; 5-YEAR COMPARISON

Code No.	Society	12/31/81	12/31/80	12/31/79	12/31/78	12/31/77
1	Acoustics, Speech & Signal Processing	11	8	8	10	10
2	Broadcast, Cable & Consumer Electronics	6	5	4	2	2
3	Antennas & Propagation	1	1	1	1	1
4	Circuits & Systems	4	4	2	2	3
5	Nuclear & Plasma Sciences	201	193	189	172	163
6	Vehicular Technology	2	2	2	3	2
7	Reliability	16	13	13	12	11
9	Instrumentation & Measurement	0	0	0	0	2
10	Aerospace & Electronic Systems	5	5	7	7	8
12	Information Theory	7	7	8	10	9
13	Industrial Electronics	1	0	0	0	2
14	Engineering Management	31	29	27	27	46
15	Electron Devices	4	5	6	6	7
16	Computer	9,163	5,246	3,943	3,313	2,278
17	Microwave Theory & Techniques	3	1	1	2	3
18	Engineering in Medicine & Biology	69	81	68	73	83
19	Communications	18	8	7	5	6
20	Sonics & Ultrasonics	6	8	11	11	13
21	Components, Hybrids & Manufacturing Technology	6	6	5	6	4
23	Control Systems	13	13	11	8	5
25	Education	1	1	1	1	1
26	Professional Communication	20	13	10	10	9
27	Electromagnetic Compatibility	5	4	4	4	4
28	Systems, Man & Cybernetics	19	18	24	22	22
29	Geoscience & Remote Sensing	9	6	3	2	4
30	* Social Implications of Technology	0	-	-	-	-
31	Power Engineering	0	0	0	0	1
32	Electrical Insulation	4	5	5	5	5
33	Magnetics	52	55	52	59	66
34	Industry Applications	3	4	4	1	1
36	Quantum Electronics & Applications	37	36	34	36	34
	Totals	9,717	5,777	4,450	3,810	2,805

\* Established in 1981.

## SECTION E

## ORGANIZATIONAL UNITS OF THE IEEE, BY REGION - As of December 31, 1981

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>1981</u>											
Sections	22	25	43	23	22	35	18	23	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
<hr/>											
<u>1980</u>											
Sections	22	25	42	23	23	35	18	19	17	19	243
Subsections	6	3	9	8	4	5	--	--	7	4	46
Chapters	113	100	61	60	63	102	37	12	12	27	587*
Affiliations & Councils	1	--	4	--	--	2	3	--	2	2	14
Student Branches	75	49	59	46	46	51	38	37	34	19	454
<hr/>											
<u>1979</u>											
Sections	22	25	42	23	23	35	18	19	17	19	243
Subsections	6	3	8	8	3	5	--	--	7	4	44
Chapters	108	95	59	58	61	99	35	10	9	25	559*
Affiliations & Councils	1	1	4	--	--	2	3	--	2	1	14
Student Branches	69	51	56	47	45	52	39	35	31	14	439
<hr/>											
<u>1978</u>											
Sections	22	25	42	23	23	35	18	18	17	19	242
Subsections	6	3	7	8	3	5	--	--	7	4	43
Chapters	107	92	56	59	61	98	34	9	9	23	548*
Affiliations & Councils	1	1	3	--	--	2	3	--	2	1	13
Student Branches	69	48	56	47	44	49	39	33	28	13	426

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

## SECTION F

TABLE 1 - IEEE TECHNICAL PUBLICATIONS OUTPUT - 1981

<u>Periodicals</u>	<u>Editorial Pages</u>	<u>Advertising Pages (1)</u>	<u>Total Pages</u>	<u>Number of Papers</u>	<u>Number of Letters</u>
IEEE SPECTRUM	795	965	1,760	98	86
PROCEEDINGS OF THE IEEE	1,628	36	1,664	80	128
IEEE TRANSACTIONS & JOURNALS	39,438	--	39,438	5,363	905
GROUP/SOCIETY MAGAZINES	4,204	831	5,034	321	145
Subtotals	<u>46,065</u>	<u>1,832</u>	<u>47,896</u>	<u>5,862</u>	<u>1,264</u>
<u>Other Publications</u>					
Conference Records(2)	55,000	--	55,000	12,000	--
IEEE PRESS Books	3,624	--	3,624	380	--
Preprints	3,984	--	3,984	596	--
Standards	7,880	--	7,880	138	--
Group/Society Newsletters(3)	1,268	--	1,268	68	--
Subtotals	<u>71,756</u>	<u>--</u>	<u>71,756</u>	<u>13,182</u>	<u>--</u>
<u>Totals</u>	<u>117,821</u>	<u>1,832</u>	<u>119,652</u>	<u>19,044</u>	<u>1,264</u>

(1) Includes Institute-related advertising material.

(2) Includes all 1981 Conference Records, actual and projected.

(3) Produced through IEEE Publishing Services Department.

TABLE 2 - IEEE TRANSACTIONS AND JOURNALS - 1981

	<u>Number of Issues</u>	<u>Editorial Pages</u>	<u>Number of Papers</u>	<u>Number of Letters</u>
ACOUSTICS, SPEECH & SIGNAL PROCESSING	6	1,280	123	91
AEROSPACE & ELECTRONIC SYSTEMS	6	852	85	55
ANTENNAS & PROPAGATION	6	1,272	100	64
AUTOMATIC CONTROL	6	1,352	126	73
BIOMEDICAL ENGINEERING	12	908	74	50
BROADCASTING	4	112	13	1
CABLE TELEVISION*	0	0	0	0
CIRCUITS & SYSTEMS	12	1,240	107	59
COMMUNICATIONS	12	2,076	232	29
COMPONENTS, HYBRIDS, & MANUFACTURING TECHNOLOGY	4	588	82	3
COMPUTERS	12	1,060	77	70
CONSUMER ELECTRONICS	4	722	66	0
EDUCATION	4	320	50	18
ELECTRICAL INSULATION	6	594	62	5
ELECTROMAGNETIC COMPATIBILITY	4	452	52	2
ELECTRON DEVICES	12	1,634	218	43
ENGINEERING MANAGEMENT	4	130	16	0
GEOSCIENCE & REMOTE SENSING	4	274	32	2
INDUSTRIAL ELECTRONICS & CONTROL INSTRUMENTATION	4	428	59	8
INDUSTRY APPLICATIONS	6	660	76	0
INFORMATION THEORY	6	866	43	51
INSTRUMENTATION & MEASUREMENT	4	336	70	10
MAGNETICS	6	3,594	848	6
MICROWAVE THEORY & TECHNIQUES	12	1,654	217	12
NUCLEAR SCIENCE	6	3,800	1,095	1
OCEANIC ENGINEERING	4	168	16	2
PATTERN ANALYSIS & MACHINE INTELLIGENCE	6	744	44	51
PLASMA SCIENCE	4	310	37	5
POWER APPARATUS & SYSTEMS	12	5,144	620	0
PROFESSIONAL COMMUNICATION	4	222	18	8
QUANTUM ELECTRONICS	12	2,644	310	57
RELIABILITY*	5	954	100	32
SOFTWARE ENGINEERING	6	636	58	4
SOLID-STATE CIRCUITS	6	784	103	24
SONICS & ULTRASONICS	6	520	54	9
SYSTEMS, MAN & CYBERNETICS	12	900	58	60
VEHICULAR TECHNOLOGY	4	208	22	0
<u>Totals</u>	<u>243</u>	<u>39,438</u>	<u>5,363</u>	<u>905</u>

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

Table 3 - 1981 Nonmember Subscriptions to IEEE Periodicals  
(Data as of 12/31/81)

	<u>Regions 1-6</u>	<u>Region 7</u>	<u>Region 8</u>	<u>Region 9</u>	<u>Region 10</u>	<u>Total</u>
SPECTRUM	1671	234	1073	137	717	3832
PROCEEDINGS	1578	156	1695	158	922	4509
<u>TRANSACTIONS and JOURNALS</u>						
ACOUSTICS, SPEECH & SIGNAL PROCESSING	801	77	788	47	424	2137
AEROSPACE & ELECTRONIC SYSTEMS	767	62	689	34	347	1899
ANTENNAS & PROPAGATION	787	74	777	79	412	2129
AUTOMATIC CONTROL	846	87	855	115	626	2529
BIOMEDICAL ENGINEERING	845	80	675	52	414	2066
BROADCASTING	591	63	403	41	278	1376
CABLE TELEVISION	1111	110	599	48	435	2303
CIRCUITS & SYSTEMS	851	73	783	82	540	2329
COMMUNICATIONS	978	109	1015	107	556	2765
COMPONENTS, HYBRIDS, & MANUFACTURING TECHNOLOGY	690	56	499	36	307	1588
COMPUTERS	1212	125	1267	116	719	3439
CONSUMER ELECTRONICS	656	60	510	55	371	1652
EDUCATION	619	58	390	58	309	1434
ELECTRICAL INSULATION	610	53	428	64	325	1480
ELECTROMAGNETIC COMPATIBILITY	645	61	494	45	272	1517
ELECTRON DEVICES	924	73	819	57	508	2381
ENGINEERING MANAGEMENT	777	78	469	55	310	1689
GEOSCIENCE & REMOTE SENSING	632	72	373	35	263	1375
INDUSTRIAL ELECTRONICS & CONTROL INSTRUMENTATION	686	77	537	118	441	1859
INDUSTRY APPLICATION	744	87	569	116	503	2019
INFORMATION THEORY	823	74	753	65	459	2174
INSTRUMENTATION & MEASUREMENT	837	90	738	120	525	2310
MAGNETICS	767	61	603	42	420	1893
MICROWAVE THEORY & TECHNIQUES	852	74	824	70	442	2262
NUCLEAR SCIENCE	770	72	622	42	341	1847
OCEANIC ENGINEERING	610	54	323	19	227	1233
PATTERN ANALYSIS & MACHINE INTELLIGENCE	694	59	438	20	293	1504
PLASMA SCIENCE	590	50	365	24	254	1283
POWER APPARATUS & SYSTEMS	823	87	828	167	642	2547
PROFESSIONAL COMMUNICATION	661	67	370	36	251	1385
QUANTUM ELECTRONICS	856	66	683	40	369	2014
RELIABILITY	789	72	730	61	396	2048
SOFTWARE ENGINEERING	1030	98	977	83	506	2694
SOLID STATE CIRCUITS	868	72	746	57	467	2210
SONICS & ULTRASONICS	683	58	471	40	320	1572
SYSTEMS, MAN, & CYBERNETICS	762	75	609	67	482	1995
VEHICULAR TECHNOLOGY	604	67	402	31	291	1395
Total TRANSACTIONS and JOURNALS	28,791	2,731	23,421	2,344	15,045	72,332
<u>MAGAZINES</u>						
CIRCUITS & SYSTEMS MAGAZINE	607	47	299	26	232	1211
COMMUNICATIONS MAGAZINE	658	58	328	34	239	1317
COMPUTER	1376	157	1014	82	529	3158
COMPUTER GRAPHICS & APPLICATIONS	909	79	419	34	275	1716
CONTROL SYSTEMS MAGAZINE	554	47	282	23	211	1117
ELECTRON DEVICE LETTERS	607	47	304	21	223	1202
ENGINEERING MANAGEMENT REVIEW	597	51	299	26	217	1190
MICRO	704	71	404	33	263	1475
POWER ENGINEERING REVIEW	546	47	279	25	210	1107
Total MAGAZINES	6,558	604	3,628	304	2,399	13,493
"All" Group/Society Periodicals *	533	42	265	17	199	1056

\*These are subscriptions to the full array of Group/Society periodicals. They are included in the above numbers for individual titles.

Table 4 - Microfiche Subscriptions  
(Data as of 12/31/81)

<u>PERIODICALS</u>	<u>Member</u>	<u>Nonmember</u>	<u>Total</u>
SPECTRUM	336	58	394
PROCEEDINGS	752	75	827
TRANSACTIONS and JOURNALS	7,299	2,477	9,776
MAGAZINES	<u>2,120</u>	<u>519</u>	<u>2,639</u>
Totals	10,507	3,129	13,636