

# REPORT OF THE SECRETARY -1977

To the Board of Directors  
The Institute of Electrical and Electronics Engineers

Gentlemen:

Part I of the Report of the Secretary for the year 1977 is presented  
herein. It contains detailed statistics on:

- IEEE Membership
- Student Branch Membership
- Group/Society Membership and Chapters
- Group/Society Affiliates
- Organizational Units of the IEEE by Region
- Publications of the Institute

Part II of the Report contains annual reports of the Institute's  
Board and Officers on file in Headquarters, the contents of  
which will be reprinted in the February 1978 issue of the  
INSTITUTE.

Respectfully submitted,

Robert D. Brisson  
Secretary, 1977



February, 1978

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

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Part II of the Report contains annual reports of the Institute's Boards and Committees, on file in Headquarters, the contents of which will be summarized in the February 1978 issue of THE INSTITUTE.

Respectfully submitted,

Robert D. Briskman  
Secretary, 1977



February 1978

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## SECTION A

Table 1 - IEEE Membership by Region, Grade, Percentage, as of December 31, 1977

	H	F	SM	M	A	Subtotal	S	Total Membership	Percentage
Region 1	1	934	4,623	24,835	2,647	33,040	4,100	37,140	20
Region 2		501	3,775	18,495	1,294	24,065	2,827	26,892	15
Region 3		297	2,259	11,472	903	14,931	2,756	17,687	10
Region 4		233	2,106	12,848	1,053	16,240	3,154	19,394	11
Region 5	1	166	1,834	11,283	683	13,967	2,951	16,918	9
Region 6		621	4,188	25,060	1,671	31,540	3,345	34,885	19
Subtotal	2	2,752	18,785	103,993	8,251	133,783	19,133	152,916	84
Region 7		62	773	6,131	1,145	8,111	2,703	10,814	6
Region 8		194	917	5,090	480	6,681	1,347	8,028	4
Region 9		11	188	2,664	320	3,183	1,180	4,363	2
Region 10		65	514	4,595	365	5,539	910	6,449	4
Military		3	30	366	42	441	10	451	
Total	2	3,087	21,207	122,839	10,603	157,738	25,283	183,021	100

Table 2 - IEEE Membership by Grade; 3-Year Comparison, 1975 - 1977

	December 31, 1977		December 31, 1976		December 31, 1975	
	Number	% of Total	Number	% of Total	Number	% of Total
Honorary (H)	2		2		2	
Fellow (F)	3,087	2	3,038	2	3,058	2
Senior Member (SM)	21,207	11	21,470	12	22,133	12
Member (M)	122,839	67	118,507	66	119,567	66
Associate (A)	10,603	6	10,239	6	10,738	6
Student (S)	25,283	14	25,360	14	24,318	14
Total	183,021	100	178,616	100	179,816	100

Table 3 - IEEE Membership by Region, Percentage; 3-Year Comparison, 1975 - 1977

	December 31, 1977		December 31, 1976		December 31, 1975	
	Number	% of Total	Number	% of Total	Number	% of Total
Region 1	37,140	20	37,140	21	38,548	21
Region 2	26,892	15	26,860	15	27,600	15
Region 3	17,687	10	17,050	10	17,073	10
Region 4	19,394	11	18,920	11	18,980	11
Region 5	16,918	9	16,249	9	16,151	9
Region 6	34,885	19	34,096	19	34,457	19
Subtotal	152,916	84	150,315	85	152,809	85
Region 7	10,814	6	10,045	6	9,979	6
Region 8	8,028	4	7,652	4	7,298	4
Region 9	4,363	2	4,108	2	3,922	2
Region 10	6,449	4	6,034	3	5,301	3
Military	451		462		507	
Total	183,021	100	178,616	100	179,816	100

SECTION A

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

	<u>December 31, 1977</u>	<u>December 31, 1976</u>	<u>December 31, 1975</u>
Fellow	1,392	1,281	1,323
Senior Member	3,249	3,028	2,926
Member	1,751	1,600	1,494
Associate	<u>125</u>	<u>118</u>	<u>94</u>
Total	6,517	6,027	5,837

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

	<u>December 31, 1977</u>	<u>December 31, 1976</u>	<u>December 31, 1975</u>
Fellow	6	5	5
Senior Member	62	62	59
Member	975	755	547
Associate	135	104	219
Student	<u>1,205</u>	<u>724</u>	<u>541</u>
Total	2,383	1,650	1,371

Table 6 - IEEE Membership by Grade, 1963 - 1977

<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

## SECTION A

Table 7 - IEEE Membership Changes, by Grade, During Calendar Year 1977; 3-Year Comparison

	H	F	SM	M	A	Subtotal	S	Total
Active Membership - 12/31/76	2	3,038	21,470	118,507	10,239	153,256	25,360	178,616
<u>Additions</u>								
Elections			141	5,306	767	6,214	14,533	20,747
Dues Arrears Paid		93	1,229	10,654	999	12,975	1,554	14,529
Reinstatements		9	109	1,182	98	1,398	271	1,669
Transfers to		133	480	10,831	1,465	12,909	1,111	14,020
Total Additions		235	1,959	27,973	3,329	33,496	17,469	50,965
<u>Deletions</u>								
Resignations		12	137	659	98	906	82	988
Deceased		73	176	206	30	485	2	487
Dues Arrears		101	1,776	21,714	2,679	26,270	4,795	31,065
Transfers from			133	1,062	158	1,353	12,667	14,020
Total Deletions		186	2,222	23,641	2,965	29,014	17,546	46,560
Active Membership - 12/31/77	2	3,087	21,207	122,839	10,603	157,738	25,283	183,021
Gain/Loss		+ 49	- 263	+ 4,332	+ 364	+ 4,482	- 77	+ 4,405

December 31, 1977

December 31, 1976

December 31, 1975

	December 31, 1977	December 31, 1976	December 31, 1975
<u>Additions</u>			
Elections	20,747	19,142	20,615
Reinstatements	1,669	823	1,266
Dues Arrears Paid	14,529	13,619	16,966
Transfers to	14,020	17,401	16,980
Total Additions	50,965	50,985	55,827
<u>Deletions</u>			
Resignations	988	1,651	1,654
Deceased	487	515	508
Dues Arrears	31,065	32,618	30,392
Transfers from	14,020	17,401	16,980
Total Deletions	46,560	52,185	49,534
Net Gain/Loss	+4,405	-1,200	+6,293

## SECTION A

TABLE 8 - IEEE Membership by Region, by Section and Subsection, by Grade

December 31, 1977

## REGION 1

Section	H	F	SM	M	A	Subtotal	S	Subtotal	Section Total
Berkshire		17	82	172	9	280	11		291
Binghamton		3	75	411	55	544	66		610
Boston		172	676	3776	262	4886	562	5448	6805
Lynn		8	44	176	18	246	26	272	
Merrimack Valley		11	103	866	60	1040	45	1085	
Buffalo		12	131	546	64	753	145		898
Connecticut		24	167	1018	111	1320	161	1481	3046
Fairfield County		29	186	875	98	1188	52	1240	
New London		3	25	247	16	291	34	325	
Ithaca		9	13	111	6	139	97		236
Long Island		61	455	2540	305	3361	227		3588
Maine		5	45	242	22	314	54		368
Mid-Hudson		10	95	732	57	894	51		945
Mohawk Valley		10	53	303	16	382	11	393	520
St. Lawrence Int'l		1	10	51	10	72	55	127	
New Hampshire		10	100	626	74	810	106		916
New Jersey Coast		75	239	1305	97	1716	75		1791
New York	1	49	352	2197	500	3099	920	4019	5564
Westchester		47	188	980	151	1366	179	1545	
North Jersey		147	622	3275	323	4367	371		4738
Princeton		75	239	1193	103	1610	152		1762
Providence		19	101	593	59	772	118		890
Rochester		7	109	770	77	963	115		1078
Schenectady		78	262	604	62	1006	173		1179
Springfield		4	36	158	19	217	73		290
Syracuse		36	130	559	29	754	54		808
Vermont		9	33	207	20	269	73		342
Worcester County		3	52	302	24	381	94		475
TOTALS	1	934	4,623	24,835	2,647	33,040	4,100		37,140

## SECTION A

TABLE 8 - IEEE Membership by Region, by Section and Subsection, by Grade

December 31, 1977

## REGION 2

Section	H	F	SM	M	A	Subtotal	S	Subtotal	Section Total
Akron		8	69	303	16	396	45		441
Allegheny Mountain	1	15		43	6	65	11		76
Baltimore	29	283	1243	84		1639	125	1764	2579
Annapolis	9	93	627	29		758	57	815	
Canton		33	145	9		187	40		227
Central Pennsylvania	5	47	161	6		219	162		381
Cincinnati	7	80	522	29		638	102		740
Cleveland	34	237	1043	74		1388	201		1589
Columbus	18	121	659	75		873	213	1086	1138
Zanesville		8	23	6		37	15	52	
Dayton	11	137	937	90		1175	125		1300
Delaware Bay	4	45	271	16		336	43		379
Eastern Shore	5	17	94	12		128	12		140
Erie	5	61	149	5		220	28		248
Johnstown	2	24	116	18		160	34		194
Lehigh Valley	22	155	732	57		976	177		1153
Lima	3	28	55	4		90	26		116
North Central Ohio	1	26	71	9		107	10		117
Northern Virginia	42	385	2291	131		2849	98		2947
Ohio Valley		5	82	7		94	6		100
Philadelphia	101	651	3289	270		4311	493		4804
Pittsburgh	75	415	1513	61		2064	281	2345	2472
Upper Monogahela	2	8	69	2		81	46	127	
Sharon	7	50	142	10		209	128		337
Southern New Jersey	2	25	112	12		151	24		175
Susquehanna	4	69	338	30		441	46		487
Washinton	104	669	3286	202		4261	248		4509
West Virginia		19	179	14		212	31		243
		501	3,775	18,495	1,294	24,065	2,827		26,892



## SECTION A

TABLE 8 - IEEE Membership by Region, by Section and Subsection, by Grade

December 31, 1977

## REGION 3

Section	H	F	SM	M	A	Subtotal	S	Subtotal	Section Total
Alabama		7	150	511	17	685	209		894
Atlanta		26	162	1002	103	1293	328	1621	1686
Rome			16	38	7	61	4	65	
Baton Rouge		1	21	171	1	194	107		301
Broward		18	62	348	46	474	20		494
Canaveral		9	67	540	26	642	52		694
Central North Carolina		2	23	149	6	180	18		198
Central Savannah River		1	8	68	5	82	8		90
Central Virginia		17	71	309	11	408	55		463
Charlotte		7	99	303	53	462	72		534
Chattanooga		7	55	186	13	261	17		278
Coastal South Carolina		3	31	157	10	201	103		304
Columbia		2	32	181	10	225	67		292
Daytona		4	28	86	1	119	1		120
Eastern North Carolina		15	78	535	81	709	178	887	923
Lower Cape Fear			5	26	3	34	2	36	
East Tennessee		5	64	367	11	447	104	551	634
Upper East Tennessee		1	11	60	4	76	7	83	
Evansville-Owensboro		1	27	129	7	164	77	241	302
Paducah			1	42	3	46	15	61	
Florida West Coast		68	212	723	42	1045	37		1082
Fort Walton			8	110	3	121	7		128
Gainesville		11	23	124		158	75		233
Hampton Roads		3	55	401	30	489	64		553
Huntsville		3	51	476	19	549	48	597	646
Muscle Shoals			6	37	2	45	4	49	
Jacksonville		1	38	140	13	192	5		197
Lexington		1	19	178	3	201	38		239
Louisville		3	49	256	13	321	73		394
Memphis			44	167	41	252	136	388	448
Jackson			4	38	6	48	12	60	
Miami		12	99	526	63	700	51		751
Middle Tennessee			22	57	2	81	2		83
Mississippi			24	215	11	250	54	304	420
Northeast Mississippi		1	8	38	1	48	68	116	
Mobile			14	125	13	152	38		190
Nashville		3	49	184	10	246	111		357
New Orleans		2	89	496	33	620	119		739
Oak Ridge		3	28	109	4	144	15		159
Orlando		12	94	475	31	612	42		654
Palm Beach		23	62	275	43	403	25		428
Panama City		5	13	92	4	114	8		122
Pensacola		1	6	63	4	74	9		83
Piedmont		4	30	204	27	265	90		355
Richmond		3	47	294	23	367	10		377
Savannah			17	44	4	65	10		75
Virginia Mountain		6	75	239	12	332	154		486
Western North Carolina		5	27	68	7	107	1		108
Winston-Salem		1	35	110	21	167	6		173
TOTALS		297	2,259	11,472	903	14,931	2,756		17,687

## SECTION A

TABLE 8 - IEEE Membership by Region, by Section and Subsection, by Grade

December 31, 1977

## REGION 4

Section	H	F	SM	M	A	Subtotal	S	Subtotal	Section Total
Arrowhead			15	113	8	136	8		144
Calumet		1	41	309	55	406	155		561
Cedar Rapids		6	47	329	24	406	35		441
Central Illinois		29	82	439	22	572	249		821
Central Indiana		21	122	744	74	961	256	1217	1326
Bloomington		2	15	72	12	101	8	109	
Central Iowa		5	42	167	5	219	105		324
Chicago		45	247	1237	107	1636	281	1917	4977
Fox Valley		8	166	1231	99	1504	61	1565	
Northwest		9	193	1128	88	1418	77	1495	
Fort Wayne		6	69	274	21	370	58		428
Illinois Valley			28	109	6	143	52		195
Iowa-Illinois		1	45	155	16	217	13		230
Madison		6	37	233	10	286	123		409
Michiana			30	187	26	243	85		328
Milwaukee		19	170	830	34	1053	268	1321	1467
Racine-Kenosha		4	13	68	22	107	39	146	
Nebraska		2	69	417	89	577	120		697
Northeast Michigan		2	24	170	20	216	34		250
Northeastern Wisconsin		1	20	145	12	178	15	193	379
Upper Peninsula			13	68	10	91	95	186	
Rock River Valley			14	177	14	205	36		241
Siouxland			16	74	13	103	17		120
Southeastern Michigan		38	279	1953	132	2402	539		2941
Southern Minnesota			8	194	8	210	17		227
Toledo		2	56	240	37	335	62		397
Twin Cities		24	174	1378	56	1632	175	1807	2040
Red River Valley			11	128	1	140	93	233	
West Michigan		2	47	210	23	282	34	316	451
Kalamazoo-Battle Creek			13	69	9	91	44	135	
TOTALS		233	2,106	12,848	1,053	16,240	3,154		19,394

## SECTION A

TABLE 8 - IEEE Membership by Region, by Section and Subsection, by Grade

December 31, 1977

## REGION 5

Section	H	F	SM	M	A	Subtotal	S	Subtotal	Section Total
Arkansas		3	42	236	12	293	40		333
Beaumont		1	23	154	7	185	66		251
Central Texas		24	97	817	35	973	251		1224
Corpus Christi		1	18	110	24	153	50	203	240
Victoria-Port Lavaca			4	29		33	4	37	
Dallas	1	31	215	1964	73	2284	130		2414
Denver		36	294	1581	76	1987	346	2333	2766
Black Hills			5	49	1	55	74	129	
Pikes Peak		1	22	200	12	235	69	304	
El Paso		2	39	263	23	327	120		447
Fort Worth		2	85	494	24	605	95		700
Houston		8	176	1368	87	1639	521	2160	2818
Clear Lake		3	55	473	22	553	63	616	
Freeport			8	31	1	40	2	42	
Kansas City		8	193	685	84	970	220		1190
Lafayette			3	98	6	107	72		179
Oklahoma City		5	84	296	19	404	61		465
Ozark		2	24	84	3	113	45		158
Panhandle		1	23	83	12	119	6		125
Permian Basin			4	53	6	63	9		72
Saint Louis		27	222	1292	79	1620	382		2002
Shreveport		2	44	169	12	227	115	342	392
Monroe			2	33	1	36	14	50	
South Plains		1	18	110	8	137	87		224
Tulsa		5	81	324	40	450	54		504
West Central Texas		1	12	57	3	73	8		81
Wichita		2	41	230	13	286	47		333
TOTALS	1	166	1,834	11,283	683	13,967	2,951		16,918

## SECTION A

TABLE 8 - IEEE Membership by Region, by Section and Subsection, by Grade

December 31, 1977

REGION 6	H	F	SM	M	A	Subtotal	S	Subtotal	Section Total
Alamogordo-Holloman		1	13	27	2	43			43
Alaska			10	138	26	174	9	183	227
Interior Alaska			4	27	4	35	9	44	
Albuquerque		19	91	512	30	652	64		716
Antelope Valley			7	59	9	75	6		81
Boise		1	24	91	5	121	11		132
Buenaventura		3	68	503	38	612	22		634
China Lake			13	146	9	168	6		174
Foothill		9	116	669	55	849	73		922
Eastern Montana			3	48	2	53	9		62
Fort Huachuca			15	85	8	108	3		111
Hawaii		9	28	424	31	492	47		539
Idaho		1	13	94	6	114	10		124
Las Vegas		1	16	104	12	133	4		137
Los Alamos			37	129	4	170	9		179
Met. Los Angeles		27	127	631	57	842	163		1005
Montana		1	16	106	3	126	26		152
Oakland-East Bay		47	209	1301	71	1628	274		1902
Orange County		16	254	1973	115	2358	134	2492	3369
Saddleback		25	115	643	50	833	44	877	
Phoenix		27	236	1219	82	1564	136		1700
Portland		27	176	934	48	1185	91	1276	1643
Eugene		6	29	166	21	222	145	367	
Richland		2	34	164	5	205	12		217
Sacramento		4	74	429	29	536	154	690	976
Reno		6	24	94	3	127	35	162	
San Joaquin		2	8	75	8	93	31	124	
San Diego		22	245	1276	86	1629	90		1719
San Fernando Valley		25	266	1260	106	1657	115		1772
San Francisco		20	193	978	96	1287	97		1384
San Gabriel Valley		24	139	566	38	767	71		838
Santa Barbara		13	70	355	23	461	109		570
Santa Clara Valley		164	690	4971	267	6092	434		6526
Santa Monica Bay		53	197	1019	82	1351	174		1525
Seattle		22	239	1529	100	1890	152		2042
South Bay Harbor		15	207	1379	79	1680	116		1796
Spokane		3	37	167	6	213	134		347
Tucson		15	79	220	13	327	69		396
Utah		10	49	424	30	513	247		760
Vandenberg			10	93	10	113	7		120
Wenatchee		1	7	32	2	42	3		45
TOTALS		621	4,188	25,060	1,671	31,540	3,345		34,885

## SECTION A

TABLE 8 - IEEE Membership by Region, by Section and Subsection, by Grade

December 31, 1977

## REGION 7

Section	H	F	SM	M	A	Subtotal	S	Subtotal	Section Total
Bay of Quinte		1	34	156	15	206	96		302
Canadian Atlantic			14	124	15	153	62	215	309
Nfld.-Labrador			6	42	4	52	42	94	
Hamilton		1	46	286	123	456	191		647
Kitchener-Waterloo		1	27	194	67	289	128		417
London		1	17	119	47	184	163		347
Montreal		11	160	1141	101	1413	387		1800
New Brunswick			13	107	8	128	67		195
Northern Canada			13	218	53	284	53		337
Ottawa		15	117	986	100	1218	249		1467
Quebec		1	9	129	9	148	125		273
Saint Maurice			1	36	3	40	7		47
Saskatchewan			7	127	20	154	100		254
Southern Alberta			15	226	77	318	110		428
Toronto		23	150	1471	337	1981	546		2527
Vancouver		5	81	509	81	676	178		854
Victoria		1	17	64	13	95	11		106
Winnipeg			2	46	72	316	188		504
TOTALS		62	773	6,131	1,145	8,111	2,703		10,814

## REGION 8

Benelux		18	92	528	36	674	243		917
Denmark		1	14	157	18	190	28		218
Egypt		6	20	72	3	101	29		130
Finland			4	96	5	105	86		191
France		31	90	422	51	594	82		676
Germany (West)		24	80	374	49	527	37		564
Greece		2	16	130	17	165	53		218
Iran			16	152	9	177	10		187
Israel		9	30	238	23	300	51		351
Middle & South Italy		2	21	143	21	187	24		211
North Italy		9	21	375	40	445	173		618
Norway		3	25	88	6	122	2		124
Poland		2	36	6	2	46			46
Spain		1	23	207	22	253	117		370
Sweden		8	59	251	29	347	126		473
Switzerland		17	69	504	33	623	99		722
U.K. and R.I.		55	219	785	78	1137	122		1259
Yugoslav			6	90	1	97	8		105
TOTALS		188	841	4,618	443	6,090	1,290		7,380
Not Assigned to Sections (See Table 9)		6	76	472	37	591	57		648
TOTAL REGION 8		194	917	5,090	480	6,681	1,347		8,028

## SECTION A

TABLE 8 - IEEE Membership by Region, by Section and Subsection, by Grade

December 31, 1977

## REGION 9

Section	H	F	SM	M	A	Subtotal	S	Subtotal	Section Total
Argentina		2	15	93	15	125	75		200
Bahia			2	99	3	104	36		140
Bolivia				28		28			28
Brazilia			1	41	5	47			47
Central America			1	7		8	5	13	316
Costa Rica			4	32	1	37	12	49	
El Salvador			6	43	12	61	25	86	
Guatemala			1	47	1	49	17	66	
Honduras				23		23	2	25	
Nicaragua			5	57	3	65	12	77	
Chile			6	38	65	109	77		186
Colombia			12	116	25	153	153		306
Ecuador			2	101	17	120	40		160
Jamaica			4	27	7	38	2		40
Mexico		4	29	377	28	438	118	556	578
Guadalajara		1	3	13	2	19	3	22	
Monterrey			3	86	2	91	110		201
Panama			2	64	4	70	3		73
Peru			6	77	7	90	143	233	247
La Oroya				13		13	1	14	
Puerto Rico & V. I.			23	260	22	305	49		354
Rio de Janeiro		3	19	258	24	304	28		332
Sao Paulo			16	379	29	424	172		596
Venezuelan			13	273	22	308	72		380
TOTALS		10	173	2,552	294	3,029	1,155		4,184
Not Assigned to Sections (See Table 10)		1	15	112	26	154	25		179
TOTAL REGION 9		11	188	2,664	320	3,183	1,180		4,363

## SECTION A

TABLE 8 - IEEE Membership by Region, by Section and Subsection, by Grade

December 31, 1977

## REGION 10

Section	H	F	SM	M	A	Subtotal	S	Subtotal	Section Total
Australian		1	53	507	18	579	113	692	897
Victorian		1	12	164	9	186	19	205	
Bangalore			21	67	8	96	11	107	340
Kerala			5	40	3	48		48	
Tamil Nadu		1	15	66	25	107	78	185	
Bombay		4	55	196	15	270	98		368
Delhi		1	23	100	7	131	67	198	355
Eastern Zone			15	66	5	86	9	95	
Uttar Pradesh		1	7	29	1	38	24	62	
Hong Kong			18	624	82	724	136		860
Korea			4	90	4	98	78		176
New Zealand			11	101	11	123	26		149
Pakistan			12	57	5	74	3		77
Philippines			5	75	4	84	7		91
Republic of China			6	168	4	178	74		252
Singapore			1	132	28	161	2		163
South Africa			20	54	5	79	3		82
Thailand			5	40	4	49	1		50
Tokyo			56	190	99	2029	155		2184
TOTALS		65	478	4,260	337	5,140	904		6,044
Not Assigned to Sections (See Table 11)			36	335	28	399	6		405
SUBTOTALS		65	514	4,595	365	5,539	910		6,449
APO & FPO		3	30	366	42	441	10		451
TOTAL REGION 10		68	544	4,961	407	5,980	920		6,900

## SECTION A

TABLE 9 - IEEE Membership in Region 8, by Country, by Grade  
December 31, 1977 - 3-Year Comparison

Country	F	SM	M	A	S	12/31/77 Total	12/31/76 Total	12/31/75 Total
Algeria	1		7	2		10	10	10
Austria	1	11	32	4	7	55	52	44
Bahrain		1	7			8	5	2
Bulgaria		1	1			2	2	4
Chad							1	
Cyprus		3	12	2		17	15	18
Czechoslovakia		3	8	4		15	22	19
Ethiopia			5			5	3	4
Germany, E. & E. Berlin			1			1		1
Gibraltar			2			2	2	2
Hungary		9	1			10	13	12
Iceland			9	1	1	11	10	7
Iraq		2	17	4	6	29	33	24
Jordan		1	15		2	18	17	11
Kuwait		3	39		2	44	35	32
Lebanon			4	1		5	5	29
Liechtenstein			1			1		
Mali			1			1	1	1
Malta, Isle of			5			5	5	5
Morocco		1	6			7	7	4
Muscat			3			3	2	2
Portugal			47	2	5	54	26	29
Qatar		1	10			11	10	9
Rumania		3	8	1		12	6	7
Saudi Arabia	2	15	94	6	2	119	102	102
S.P. Libyan Arab Jamahira			31	4	2	37	37	34
Sudan			5			5	2	2
Syria			12	1	1	14	9	7
Trucial Oman		2	19	2		23	13	7
Tunisia			1			1		
Turkey		7	63	2	28	100	110	92
U.S.S.R.	2	13	6	1	1	23	23	24
TOTALS	6	76	472	37	57	648	578	544
Members Assigned to IEEE Sections	188	841	4,618	443	1,290	7,380	7,074	6,754
TOTAL, REGION 8	194	917	5,090	480	1,347	8,028	7,652	7,298



## SECTION A

TABLE 10 - IEEE Membership in Region 9, by Country, by Grade  
December 31, 1977 - 3-Year Comparison

Country	F	SM	M	A	S	12/31/77 Total	12/31/76 Total	12/31/75 Total
Bahamas & Bermuda		7	18	7		32	31	29
Belize			1			1	2	3
Bolivia							38	30
Brazil *		2	38	3	20	63	38	30
Cuba		2	2			4	4	3
Dominican Republic			10	2		12	12	12
Guyana		1	7	1		9	7	12
Jamaica							44	48
Leeward Islands		1	1			2	3	1
Netherlands Antilles		1	1	1	1	4	2	5
Paraguay			3	1	1	5	3	1
Surinam			1			1	4	4
Trinidad & Tobago		1	20	7		25	23	28
Uruguay			4	2	2	8	6	4
Windward Islands	<u>1</u>		<u>6</u>	<u>2</u>	<u>1</u>	<u>10</u>	<u>12</u>	<u>14</u>
TOTALS	1	15	112	26	25	179	229	224
Members Assigned to IEEE Sections	<u>10</u>	<u>173</u>	<u>2,552</u>	<u>294</u>	<u>1,155</u>	<u>4,184</u>	<u>3,879</u>	<u>3,698</u>
TOTAL, REGION 9	11	188	2,664	320	1,180	4,363	4,108	3,922

\*Areas not assigned to Sections.

## SECTION A

TABLE 11 - IEEE Membership in Region 10, by Country, by Grade  
December 31, 1977 - 3-Year Comparison

Country	F	SM	M	A	S	12/31/77 Total	12/31/76 Total	12/31/75 Total
Afghanistan		1	1			2	3	1
Africa								
Angola								3
Basutoland		1				1		
Botswana		1	1	2		4	4	8
Cameroon			2			2	3	2
Gabon							1	
Dahomey								1
Ghana			7	1		8	7	9
Kenya		2	18	4	1	25	26	29
Liberia			3			3	6	2
Malawi			4			4	4	2
Nigeria		8	116	7	2	133	106	82
Rhodesia		1	7			8	6	8
Senegal								1
Sierra Leone			2			2	2	3
South Africa							77	78
Swaziland		2		1		3	1	2
Tanzania			2	1		3	3	5
Uganda			2			2	3	3
Zaire			1			1	2	3
Zambia		4	26	5		35	27	30
Bangladesh		2	7			9	12	13
Brunei		1	2			3	1	
Burma			2			2	3	3
Caroline Islands				1		1	2	
China, Peoples Republic of			1			1		
Fiji Islands		1	1			2	3	2
Goa							2	
Guam		2	8	1	1	12	10	12
Indonesia		2	26	2	1	31	25	24
Macao			1			1	1	1
Malaysia		2	76	1	1	80	69	205
Mariana Islands		1				1	1	1
Marshall Islands			1			1	1	1
Mauritius			9	2		11	10	6
Nepal			2			2		
Samoa			1			1	2	2
Singapore							151	
South Korea								128
Sri Lanka		4	5			9	12	11
Thailand							49	49
Togo			1			1		1
Tonga								1
Vietnam, North & South		1				1	7	17
TOTALS		36	335	28	6	405	642	749
Members Assigned to IEEE Sections	65	478	4,260	337	904	6,044	5,392	4,552
APO & FPO	3	30	336	42	10	451	462	507
TOTAL, REGION 10	68	544	4,961	407	920	6,900	6,496	5,808

## SECTION B

Table 1 - IEEE Student Branches and Student Branch Membership, 1977  
Membership as of December 31, 1977

The total number of Student Branches is now 429, operating as follows:

356 - IEEE Four-Year Student Branches  
73 - IEEE Less Than Four-Year Student Branches\*

<u>School</u>	<u>Section Location</u>	<u>Region</u>	<u>Membership 1977</u>
*Academy of Aeronautics	New York	1	55
Air Force Institute of Technology	Dayton	2	28
Akron, University of	Akron	2	41
Alabama, University of	Alabama	3	78
Alabama, University of, at Birmingham	Alabama	3	20
Alabama, University of, at Huntsville	Huntsville	3	30
Alaska, University of	Anchorage	6	13
Alberta, University of	Northern Canada	7	39
*Algonquin College of Applied Arts and Technology	Ottawa	7	66
*Anne Arundel Community College	Washington	2	19
Arizona State University	Phoenix	6	74
Arizona, University of	Tucson	6	67
Arkansas, University of	Ozark	5	65
Arkansas, University of, at Little Rock	Arkansas	5	11
Athens, National University of	Greece	8	30
Auburn University	Alabama	3	78
Bologna, University of	North Italy	8	18
Boston University	Boston	1	65
Bradley University	Illinois Valley	4	84
Bridgeport, University of	Connecticut	1	19
Brigham Young University	Utah	6	91
*British Columbia Institute of Technology	Vancouver	7	52
British Columbia, University of	Vancouver	7	127
*Bronx Community College (Day Division)	New York	1	28
*Bronx Community College (Evening Division)	New York	1	18
*Broome Community College	Binghamton	1	21
Brown University	Providence	1	22
Bucknell University	Central Pennsylvania	2	11
Buenos Aires, Instituto Tecnologico de	Argentina	9	6
Buenos Aires, University of	Argentina	9	34
Cairo, University of	Egypt	8	18
Calgary, University of	Southern Alberta	7	74
California State Polytechnic University (Kellogg-Voorhis Campus)	Foothill	6	70
California State Polytechnic University (San Luis Obispo)	Santa Barbara	6	62
California State University at Chico	Sacramento	6	29
California State University at Fresno	San Francisco	6	35
California State University at Fullerton	Orange County	6	22
California State University at Long Beach	South Bay Harbor	6	75
California State University at Los Angeles	Metropolitan Los Angeles	6	40
California State University at Northridge	San Fernando Valley	6	39
California State University at Sacramento	Sacramento	5	81
California State University at San Diego	San Diego	6	55
California State University at San Jose	San Francisco	6	82
California, University of (Berkeley)	San Francisco	6	238
California, University of (Davis)	Sacramento	6	66
California, University of (Irvine)	Orange County	6	71
California, University of (Los Angeles)	Santa Monica Bay	6	184
California, University of (Santa Barbara)	Santa Barbara	6	83
Capitol Institute of Technology	Washington	2	13

<u>School</u>	<u>Section Location</u>	<u>Region</u>	<u>Membership</u> <u>1977</u>
Carabobo, Universidad de	Venezuela	9	39
Carleton University	Ottawa	7	87
Carnegie-Mellon University	Pittsburgh	2	92
Case Western Reserve University	Cleveland	2	90
Catholic University of America	Washington	2	23
Catholic University of Louvain	Benelux	8	82
Centennial College of Applied Arts and Technology	Toronto	7	21
Central Missouri State College	Kansas City	5	21
*Central Piedmont Community College	Charlotte	3	28
Chalmers University of Technology	Sweden	8	24
*Chattanooga State Technical Institute	Chattanooga	3	7
Chile, Universidad Catolica de	Chile	9	70
Christian Brothers College	Memphis	3	32
Cincinnati, University of	Cincinnati	2	99
Citadel, The	Coastal South Carolina	3	107
Clarkson College of Technology	Mohawk Valley	1	74
Clemson University	Piedmont	3	85
Cleveland State University	Cleveland	2	61
*Cogswell Polytechnical College	San Francisco	6	5
Colorado State University	Denver	5	78
Colorado, University of, at Boulder	Denver	5	142
Colorado, University of at Colorado Springs	Denver	5	17
Colorado, University of, Denver Center	Denver	5	60
Columbia University	New York	1	33
Concepcion, Universidad de	Chile	9	4
Concordia University	Montreal	7	64
*Conestoga College of Applied Arts and Technology	Kitchener-Waterloo	7	68
Connecticut, University of	Connecticut	1	64
Cooper Union	New York	1	47
Cordoba, Universidad Nacional de	Argentina	9	1
Cornell University	New York	1	130
Dayton, University of	Dayton	2	25
*Dayton, University of, Technical Institute	Dayton	2	17
*Del Mar College	Corpus Christi	5	13
Delaware, University of	Delaware Bay	2	47
Detroit Institute of Technology	Southeastern Michigan	4	7
Detroit, University of	Southeastern Michigan	4	34
DeVry Institute of Technology (Arizona)	Phoenix	6	33
* DeVry Institute of Technology (Georgia)	Atlanta	3	13
DeVry Institute of Technology (Illinois)	Chicago	4	58
Drexel University (Day Division)	Philadelphia	2	158
Drexel University (Evening College)	Philadelphia	2	41
Duke University	Eastern North Carolina	3	60
Ecole Nationale Superieure d'Electrotechnique et de Genie Physique	France	8	35
Ecole Nationale Superieure des Telecommunications	France	8	22
Ecole Polytechnique	Montreal	7	140
Ecole Polytechnique Federale	Switzerland	8	29
Ecole Superieure d'Ingenieurs d'Electrotechnique et d'Electronique	France	8	9
Escola de Engenharia de Sao Carlos da Universidade de Sao Paulo	Sao Paulo	9	55
Escola Politecnica Universidade de Sao Paulo	Sao Paulo	9	55
*Escuela Politecnica Nacional	Ecuador	9	42
Escuela Superior de Ingenieria Mecanica y Electrica	Mexico	9	34
Escuela Superior Politecnica del Litoral	Ecuador	9	2
Escuela Tecnica Superior de Ingenieros de Telecomunicacion	Spain	8	99

<u>School</u>	<u>Section Location</u>	<u>Region</u>	<u>Membership</u> <u>1977</u>
Evansville, University of	Evansville-Owensboro	3	40
Fairleigh Dickinson University (Day Division)	North Jersey	1	38
*Fayetteville Technical Institute	Eastern North Carolina	3	30
Florida Atlantic University	Palm Beach	3	31
Florida Institute of Technology	Canaveral	3	54
Florida Technological University	Orlando	3	41
Florida, University of	Gainesville	3	91
*Foothill College	San Francisco	6	23
*Franklin Institute of Boston	Boston	1	20
*Franklin University	Columbus	2	19
Gannon College	Erie	2	26
*Gaston College	Charlotte	3	15
*Gateway Technical Institute, Racine Campus	Milwaukee	4	39
General Motors Institute	Northeastern Michigan	4	74
Genova, University of	North Italy	8	19
George Washington University	Washington	2	103
Georgia Institute of Technology	Atlanta	3	299
Gonzaga University	Spokane	6	17
*Greenville Technical Education Center	Piedmont	3	13
Grove City College	Sharon	2	38
Hartford, University of	Connecticut	1	36
Hawaii, University of	Hawaii	6	36
Heald Engineering College	San Francisco	6	14
Helsinki, Technical University of	Finland	8	39
Hofstra University	Long Island	1	10
*Holding Technical Institute	Eastern North Carolina	3	10
Hong Kong, Chinese University of	Hong Kong	10	63
Hong Kong, University of	Hong Kong	10	35
Hong Kong Polytechnic	Hong Kong	10	9
Houston, University of (College of Engineering)	Houston	5	108
Houston, University of (College of Technology)	Houston	5	34
Howard University	Washington	2	31
*Hudson Valley Community College	Schenectady	1	23
Idaho, University of	Spokane	6	58
Illinois Institute of Technology	Chicago	4	91
Illinois, University of (Chicago Circle)	Chicago	4	54
Illinois, University of (Urbana)	Central Illinois	4	280
Indian Institute of Technology - Bombay	Bombay	10	51
Indian Institute of Technology - Kanpur	Delhi	10	23
Indian Institute of Technology - New Delhi	Delhi	10	41
Indiana Institute of Technology	Fort Wayne	4	23
Indiana State University	Evansville-Owensboro	3	25
Institut Superieur d'Electronique du Nord	France	8	2
Iowa State University of Science & Technology	Central Iowa	4	127
Iowa, University of	Cedar Rapids	4	25
Israel Institute of Technology	Israel	8	30
John Carroll University	Cleveland	2	12
Johns Hopkins University	Baltimore	2	73
Kansas State University of Agriculture and Applied Science	Kansas City	5	87
Kansas, University of	Kansas City	5	47
Katholieke Universiteit te Leuven	Benelux	8	89
Kentucky, University of	Lexington	3	47
Korea Advanced Institute of Science	Korea	10	41
Lafayette College	Lehigh Valley	2	11
Lake Superior State College	Northeastern Wisconsin	4	12
Lamar University	Beaumont	5	46
Laval University	Quebec	7	114
Lawrence Institute of Technology	Southeastern Michigan	4	82
Lehigh University	Lehigh Valley	2	76
LeTourneau College	Shreveport	5	18
Liege, University of	Benelux	8	29
Linkoping University	Sweden	8	20
Ljubljana, University of	Yugoslavia	8	8

<u>School</u>	<u>Section Location</u>	<u>Region</u>	<u>Membership 1977</u>
*Los Angeles Pierce College	San Fernando Valley	6	40
Louisiana State University at Baton Rouge	Baton Rouge	3	64
Louisiana Tech University	Shreveport	5	107
Louisville, University of	Louisville	3	37
Lowell, University of	Boston	1	52
Loyola Marymount University	Santa Monica Bay	6	27
Lund University-Lund Institute of Technology	Sweden	8	36
Mackenzie University	Sao Paulo	9	61
McGill University	Montreal	7	130
McMaster University	Hamilton	7	58
McNeese State University	Beaumont	5	12
Maine, University of	Maine	1	54
Manhattan College	New York	1	105
Manitoba, University of	Winnipeg	7	153
Marquette University	Milwaukee	4	111
Maryland, University of	Washington	2	191
Massachusetts Institute of Technology	Boston	1	267
Massachusetts, University of	Springfield	1	67
Memphis State University	Memphis	3	34
Merrimack College	Boston	1	15
Metropolitan State College	Denver	5	19
Mexico, Universidad Nacional Autonoma de	Mexico	9	11
Miami, University of	Miami	3	38
Michigan State University	Southeastern Michigan	4	66
Michigan Technological University	Northeast Michigan	4	117
Michigan, University of	Southeastern Michigan	4	146
Michigan, University of, at Dearborn	Southeastern Michigan	4	24
*Middlesex County College	Princeton	1	20
Milwaukee School of Engineering	Milwaukee	4	85
Minnesota, University of	Twin Cities	4	114
Mississippi State University	Mississippi	3	113
Mississippi, The University of	Memphis	3	30
*Missouri Institute of Technology	Kansas City	5	13
Missouri, University of (Columbia)	St. Louis	5	85
Missouri, University of (Rolla)	St. Louis	5	205
*Mohawk College of Applied Arts and Technology	Hamilton	7	30
Monmouth College	New Jersey Coast	1	19
Montana State University	Montana	6	31
Monterrey, Instituto Tecnologico y de Estudios Superiores de	Mexico	9	130
*Morris, County College of	North Jersey	1	29
Nebraska, University of (Lincoln)	Nebraska	4	73
*Nebraska, University of (Omaha)	Nebraska	4	31
Nevada, University of	Sacramento	6	35
Newfoundland, Memorial University of	Canadian Atlantic	7	43
New Brunswick, University of	New Brunswick	7	67
*New Hampshire Technical Institute	New Hampshire	1	28
New Hampshire, University of	New Hampshire	1	60
New Haven, University of	Connecticut	1	25
New Jersey Institute of Technology	North Jersey	1	158
New Mexico State University	El Paso	5	76
New Mexico, University of	Albuquerque	6	63
New Orleans, University of	New Orleans	3	31
New York, City College of the City University	New York	1	144
*New York City Community College	New York	1	8
New York Institute of Technology	New York	1	51
New York, Polytechnic Institute of	New York	1	276
New York, Polytechnic Institute of Long Island Center	Long Island	1	41
*New York, State University of (Alfred)	Buffalo	1	65
New York, State University of (Buffalo)	Buffalo	1	78
*New York, State University of, Agricultural and Technical Institute (Canton)	Mohawk Valley	1	33
New York, State University of (Stony Brook)	Long Island	1	108
*Niagara College of Applied Arts and Technology	Hamilton	7	86

<u>School</u>	<u>Section Location</u>	<u>Region</u>	<u>Membership 1977</u>
North Carolina Agricultural and Technical State University	Central North Carolina	3	21
North Carolina State University	Eastern North Carolina	3	83
North Carolina, University of, at Charlotte	Charlotte	3	25
North Dakota State University	Twin Cities	4	59
North Dakota, University of	Twin Cities	4	45
*North Seattle Community College	Seattle	6	7
Northeastern University	Boston	1	124
*Northern Alberta Institute of Technology	Northern Canada	7	9
Northern Arizona University	Phoenix	6	24
*Northern College of Applied Arts and Technology	Toronto	7	9
Northern Illinois University	Rock River Valley	4	56
Northrop Institute of Technology	Metropolitan Los Angeles	6	57
Northwestern State University of Louisiana	Shreveport	5	22
Northwestern University	Chicago	4	83
Norwich University	Vermont	1	16
Notre Dame, University of	Michiana	4	73
Nova Scotia Technical College	Canadian Atlantic	7	60
Oakland University	Southeastern Michigan	4	3
*Ohio Institute of Technology	Columbus	2	16
Ohio Northern University	Lima	2	43
Ohio State University	Columbus	2	142
Ohio University	Columbus	2	45
Oklahoma State University	Tulsa	5	50
Oklahoma, University of	Oklahoma City	5	47
Old Dominion University	Hampton Roads	3	48
*Oregon Institute of Technology	Portland	6	60
Oregon State University	Portland	6	125
Osaka University	Tokyo	10	22
Ottawa, University of	Ottawa	7	81
Oulu, University of	Finland	8	22
Pacific, University of the	Sacramento	6	33
Padova, University of	North Italy	8	20
*Palm Beach Junior College	Palm Beach	3	5
Paris, Institut Supérieur d'Electrotechnique de	France	8	3
Pennsylvania State University	Central Pennsylvania	2	266
Pennsylvania State University, Capitol Campus	Susquehanna	2	71
*Pennsylvania State University, McKeesport Campus	Pittsburgh	2	14
Pennsylvania, University of	Philadelphia	2	108
Pittsburgh, University of	Pittsburgh	2	95
Pittsburgh, University of, at Johnstown	Johnstown	2	26
Politecnico di Milano	North Italy	8	58
*Pontificia Universidad Javeriana	Colombia	9	54
Portland State University	Portland	6	19
Portland, University of	Portland	6	29
Prairie View A&M University	Houston	5	61
Pratt Institute	New York	1	62
Princeton University	Princeton	1	29
Puerto Rico, University of	Puerto Rico and Virgin Islands	9	45
Purdue University	Central Indiana	4	251
Purdue University, Calumet Campus	Calumet	4	48
*Purdue University, Fort Wayne Campus	Fort Wayne	4	17
Quebec, Universite du, a Trois-Rivieres	St. Maurice	7	3
Quebec, Universite du, Ecole de Superieure	Montreal	7	30
Queen's University	Bay of Quinte	7	117
*Queensborough Community College	New York	1	67
*Radio College of Canada	Toronto	7	11
*Radio Engineering College	Nebraska	4	8
*Red River Community College	Winnipeg	7	27
Regional Engineering College	India	10	29

School	Section Location	Region	Membership 1977
Rensselaer Polytechnic Institute	Schenectady	1	157
Rhode Island, University of	Providence	1	30
Rice University	Houston	5	105
Rio De Janeiro, Universidad Federal do	Rio de Janeiro	9	22
Rochester Institute of Technology	Rochester	1	90
Rochester, University of	Rochester	1	31
Rome, University of	Middle & South Italy	8	6
Rose-Hulman Institute of Technology	Central Indiana	4	60
Royal Institute of Technology	Sweden	8	24
Royal Military College of Canada	Bay of Quinte	7	15
Rutgers State University	Princeton	1	105
*Ryerson Polytechnical Institute	Toronto	7	102
*St. Clair College of Applied Arts and Technology	Southeastern Michigan	4	16
*St. Lawrence College of Applied Arts and Technology	Bay of Quinte	7	15
*San Diego College of Engineering	San Diego	6	7
*San Diego Mesa Junior College	San Diego	6	11
San Francisco State University	San Francisco	6	16
Santa Clara, University of	San Francisco	6	46
Santander, Universidad Industrial de	Colombia	9	7
*Saskatchewan Technical Institute	Saskatchewan	7	29
Saskatchewan, University of	Saskatchewan	7	69
Savannah State College	Savannah	3	11
Seattle University	Seattle	6	11
*Seneca College of Applied Arts and Technology	Toronto	7	118
Sherbrooke, University of	Montreal	7	3
Shizuoka University, Graduate School	Tokyo	10	22
*Sinclair College	Dayton	2	23
South Alabama, University of	Alabama	3	36
South Carolina, University of	Columbia	3	57
South Dakota School of Mines and Technology	Denver	5	86
South Dakota State University	Twin Cities	4	41
South Florida, University of	Florida West Coast	3	22
Southeastern Massachusetts University	Providence	1	52
*Southern Alberta Institute of Technology	Southern Alberta	7	33
Southern California, University of	Metropolitan Los Angeles	6	186
Southern Colorado, University of	Denver	5	29
Southern Illinois University at Edwardsville	St. Louis	5	37
Southern Methodist University	Dallas	5	41
*Southern Technical Institute	Atlanta	3	49
Southern University	Baton Rouge	3	61
Southwest Missouri State University	Kansas City	5	36
Southwestern Louisiana, University of	Lafayette	5	63
Spring Garden College	Philadelphia	2	25
Stanford University	San Francisco	6	219
*State Technical Institute at Memphis	Memphis	3	64
State University College at Buffalo	Buffalo	1	32
*Staten Island, College of (St. George Campus)	New York	1	14
*Staten Island, College of (Sunnyside Campus)	New York	1	38
Steubenville, College of	Pittsburgh	2	15
Stevens Institute of Technology	North Jersey	1	70
*Stout State University	Twin Cities	4	19
Swarthmore College	Philadelphia	2	11
Switzerland Section Student Branch	Switzerland	8	70
Syracuse University	Syracuse	1	49
Tampere University of Technology	Finland	8	21
*Technical Career Institute	New York	1	72
Technische Hogeschool Twente	Benelux	8	24
Tel-Aviv University	Israel	8	13
Temple University, College of Engineering Technology	Philadelphia	2	27
Tennessee A&I State University	Nashville	3	13
Tennessee Technological University	Nashville	3	38
Tennessee, University of	East Tennessee	3	133
Texas A&I University	Corpus Christi	5	36



<u>School</u>	<u>Section Location</u>	<u>Region</u>	<u>Membership 1977</u>
Texas A&M University	Houston	5	276
Texas Tech University	South Plains	5	105
Texas, University of, at Arlington	Central Texas	5	109
Texas, University of, at Austin	Central Texas	5	279
Texas, University of, at El Paso	El Paso	5	50
*Tidewater Community College, Virginia Beach Campus	Hampton Roads	3	6
Tokyo, University of	Tokyo	10	26
Toledo, University of	Toledo	4	64
Torino, Politecnico di	North Italy	8	3
Toronto, University of	Toronto	7	214
Trenton State College	Princeton	1	46
Trieste, Universitaria Degli Studi di	North Italy	8	42
Tri-State College	Fort Wayne	4	11
Tucuman, Universidad Nacional de	Argentina	9	5
Tufts University	Boston	1	49
Tulane University	New Orleans	3	58
Tulsa, University of	Tulsa	5	23
Tuskegee Institute	Alabama	3	37
Union College	Schenectady	1	32
*Union County Technical Institute	North Jersey	1	6
United Kingdom & Republic of Ireland Section Student Branch	United Kingdom & Republic of Ireland	8	122
United States Air Force Academy	Denver	5	21
United States Coast Guard Academy	Connecticut	1	21
United States Naval Academy	Baltimore	2	12
United States Naval Postgraduate School	San Francisco	6	45
Universidad Centroamericana	Central America	9	15
Universidad de Costa Rica	Central America	9	12
Universidad de El Salvador	Central America	9	10
Universidad de Las Americas	Mexico	9	7
Universidad de Los Andes	Colombia	9	12
Universidad de San Carlos de Guatemala	Central America	9	18
Universidad Distrital Francisco Jose de Caldas	Colombia	9	42
Universidad Nacional de Colombia	Colombia	9	29
Universidad Nacional de Ingenieria	Peru	9	80
Universidad Nacional del Sur	Argentina	9	18
Universidade Estadual de Campinas	Sao Paulo	9	14
Uppsala, University of	Sweden	8	17
Utah State University	Utah	6	53
Utah, University of	Utah	6	84
*Valparaiso Technical Institute	Calumet	4	81
Valparaiso University	Calumet	4	55
Vanderbilt University	Nashville	3	91
Venezuela, Universidad Central de	Venezuela	9	5
*Vermont Technical College	Vermont	1	49
Vermont, University of	Vermont	1	22
Villanova University	Philadelphia	2	48
Virginia Military Institute	Virginia Mountain	3	25
Virginia Polytechnic Institute and State University	Virginia Mountain	3	171
Virginia, University of	Central Virginia	3	52
*Virginia Western Community College	Virginia Mountain	3	13
Walla Walla College	Richland	6	5
*Ward Technical College	Connecticut	1	10
Washington State University	Spokane	6	100
Washington University	St. Louis	5	58
Washington, University of	Seattle	6	116
Waterloo, University of	Kitchener-Waterloo	7	165
Wayne State University	Southeastern Michigan	4	80
*Wentworth Institute	Boston	1	24
*Westchester Community College	New York	1	56
Western Kentucky University	Louisville	3	29
Western Michigan University	West Michigan	4	65
Western New England College	Springfield	1	30
Western Ontario, University of	London	7	62
West Florida, University of	Pensacola	3	7

<u>School</u>	<u>Section Location</u>	<u>Region</u>	<u>Membership 1977</u>
West Pakistan University of Engineering and Technology	Pakistan	10	1
West Virginia Institute of Technology	West Virginia	2	27
West Virginia University	Pittsburgh	2	54
Wichita State University	Wichita	5	31
Widner College	Philadelphia	2	20
Wilkes College	Lehigh Valley	2	25
Windsor, University of	Southeastern Michigan	4	48
*Wisconsin, University of, Platteville	Madison	4	6
Wisconsin, University of, at Madison	Madison	4	140
Wisconsin, University of, at Milwaukee	Milwaukee	4	47
Worcester Polytechnic Institute	Worcester	1	81
Wright State University	Dayton	2	35
Wyoming, University of	Denver	5	38
Yale University	Connecticut	1	22
Youngstown State University	Sharon	2	109

\*IEEE Less Than Four-Year Student Branches

## SECTION C

Table 1 - Group/Society Membership, December 31, 1977; 3-Year Comparison

Code No.	Group/Society Name	Students	Other Grades	1977 Total	1976 Total	1975 Total
1	Acoustics, Speech and Signal Processing	1,356	4,980	6,336	6,227	6,012
2	Broadcast, Cable & Consumer Electronics	988	5,331	6,319	6,138	5,437
3	Antennas & Propagation	673	3,732	4,405	4,633	4,591
4	Circuits & Systems	2,536	7,385	9,921	10,619	10,426
5	Nuclear & Plasma Sciences	396	2,263	2,659	2,673	2,804
6	Vehicular Technology	176	2,294	2,470	2,552	2,595
7	Reliability	160	2,491	2,651	2,487	2,488
9	Instrumentation & Measurement	626	4,370	4,996	5,145	4,922
10	Aerospace & Electronic Systems	806	5,895	6,701	6,831	6,668
12	Information Theory	893	3,723	4,616	4,822	4,928
13	Industrial Electronics & Control Instrumentation	753	4,444	5,197	5,210	4,588
14	Engineering Management	708	6,283	6,991	6,645	6,552
15	Electron Devices	1,427	6,285	7,712	8,491	8,190
16	Computer	5,485	23,717	29,202	24,973	22,798
17	Microwave Theory & Techniques	790	4,815	5,605	6,144	6,251
18	Engineering in Medicine & Biology	1,804	5,585	7,389	7,767	7,556
19	Communications	2,060	9,512	11,572	11,787	11,504
20	Sonics & Ultrasonics	278	1,700	1,978	1,962	1,847
21	Components, Hybrids & Manufacturing Technology	221	2,507	2,728	1,847	1,926
23	Control Systems	1,533	5,571	7,104	7,442	7,428
25	Education	197	1,936	2,133	2,198	2,087
26	Professional Communication	144	1,268	1,412	1,516	1,552
27	Electromagnetic Compatibility	106	1,523	1,629	1,618	1,612
28	Systems, Man & Cybernetics	1,055	3,792	4,847	5,263	5,394
29	Geoscience Electronics	129	1,199	1,328	1,278	1,242
31	Power Engineering	1,470	18,347	19,817	19,701	19,564
32	Electrical Insulation	97	1,313	1,410	1,432	1,475
33	Magnetics	175	1,870	2,045	2,041	2,070
34	Industry Applications	695	8,772	9,467	8,901	8,251
35	*Manufacturing Technology	-	-	-	1,215	1,273
36	**Quantum Electronics & Applications	498	2,448	2,946	-	-
	Totals	28,235	155,351	183,586	179,558	174,031

\*The Manufacturing Technology Group and the Parts, Hybrids & Packaging Group merged in 1977 to form the Components, Hybrids and Manufacturing Technology Group.

\*\*The former Quantum Electronics Council became the Quantum Electronics & Applications Group in 1977.

## SECTION C

TABLE 2 - GROUP/SOCIETY MEMBERSHIP, BY REGION, BY SECTION, BY GROUP AND SOCIETY - 1977

Section	Total G/S Members	Total* Affil- iates	ASSP 1	BBCE 2	AP 3	CAS 4	NPS 5	VT 6	R 7	IM 9	AES 10	IT 12	IECI 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	GE 29	PE 31	EI 32	MAG 33	IA 34	QEA 36
Berkshire	167	-	6	3	-	4	-	-	1	2	11	2	3	5	2	28	-	5	4	1	5	11	1	1	4	6	1	50	8	1	2	-
Binghamton	471	3	16	18	8	29	2	3	14	4	31	11	5	22	19	128	10	18	14	2	9	16	3	4	9	15	-	30	6	9	13	6
Boston	7212	130	306	166	201	393	102	67	124	230	379	266	126	287	308	1371	285	346	464	80	146	332	51	53	43	198	55	406	37	94	159	137
Buffalo	797	15	20	42	11	32	12	9	10	21	32	21	40	27	13	115	12	35	26	5	21	49	6	5	3	19	5	81	10	5	99	11
Connecticut	2586	33	92	117	40	139	46	28	41	79	62	52	79	103	95	424	50	117	154	54	46	89	27	15	24	52	24	206	32	28	160	56
Ithaca	324	4	16	11	7	26	11	1	2	8	2	16	3	6	19	60	19	19	18	4	1	17	6	3	1	5	1	12	1	4	8	17
Long Island	2673	20	69	121	83	130	52	38	70	71	194	55	50	121	60	393	134	117	158	39	47	79	26	25	43	71	17	226	16	26	73	49
Maine	234	3	6	10	6	12	2	5	2	4	5	2	8	11	7	26	9	11	18	4	3	6	2	2	-	3	1	39	1	3	25	1
Mid-Hudson	746	11	13	18	7	55	6	7	7	15	5	16	12	23	78	263	7	24	26	7	20	19	5	2	3	15	2	56	5	12	11	7
Mohawk Valley	460	4	16	13	18	19	5	-	18	4	44	16	8	28	20	78	15	6	40	2	7	20	8	7	15	20	2	20	-	2	5	4
New Hampshire	837	8	30	26	27	44	7	9	14	20	35	14	27	46	24	173	38	29	38	8	22	26	11	6	6	15	7	86	7	9	24	9
New Jersey Coast	1532	12	50	34	46	69	12	24	29	27	54	61	20	55	61	305	70	31	271	26	21	46	10	11	28	44	3	47	3	10	17	47
New York	5013	85	182	234	79	293	84	54	59	110	156	142	91	175	191	976	126	329	392	55	62	120	54	41	22	132	22	491	41	43	177	80
North Jersey	3799	42	108	142	50	180	42	61	70	141	149	88	96	167	162	598	84	172	321	31	72	91	35	36	28	84	16	409	42	50	224	48
Princeton	1533	19	60	77	17	86	27	19	20	40	35	42	36	53	133	284	50	70	118	20	23	38	13	15	5	41	5	97	12	20	54	23
Providence	792	13	57	21	10	46	9	8	11	23	23	26	23	27	29	152	10	38	24	9	11	34	11	3	3	33	12	74	13	7	23	17
Rochester	907	17	37	27	14	42	6	19	24	25	17	20	30	50	49	168	8	43	74	9	18	37	10	10	4	13	1	70	4	10	53	15
Schnectady	1145	10	29	23	13	43	25	8	10	22	14	26	22	24	71	115	21	40	42	18	12	44	21	9	8	28	5	298	19	21	102	12
Springfield	265	3	4	20	12	11	4	-	1	4	6	12	5	6	10	46	14	8	18	4	1	8	6	2	-	9	-	36	1	-	12	5
Syracuse	832	8	47	30	46	40	8	8	18	13	65	29	10	23	46	130	40	17	31	11	10	22	10	11	12	19	2	81	3	1	37	12
Vermont	237	3	6	8	1	18	1	3	4	9	5	3	8	6	47	47	4	16	4	3	2	6	3	-	1	4	1	16	2	2	5	2
Worcester County	423	8	21	16	3	26	4	3	2	11	10	11	4	21	14	103	8	18	21	1	6	13	6	2	4	8	3	59	2	6	14	3
TOTALS	32,985	451	1191	1177	699	1739	467	374	551	883	1334	931	706	1287	1478	5980	1014	1509	2276	393	565	1123	325	263	266	834	185	2944	270	363	1297	561

\*Summary column only; Affiliate members included in Group/Society totals for Sections.

## SECTION C

TABLE 2 - GROUP/SOCIETY MEMBERSHIP, BY REGION, BY SECTION, BY GROUP AND SOCIETY - 1977

## REGION 2

Section	Total G/S Members	Total* Affil- iates	ASSP 1	BBCE 2	AP 3	CAS 4	NPS 5	VT 6	R 7	IM 9	AES 10	IT 12	IECI 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	GE 29	PE 31	EI 32	MAG 33	IA 34	QEA 36
Akron	377	6	9	7	3	11	5	6	4	11	10	3	13	14	8	48	2	8	13	1	4	11	1	2	1	6	3	102	13	1	56	1
Allegheny Mountain	44	-	-	2	-	1	-	1	1	1	-	-	5	3	1	1	1	1	1	-	4	-	1	-	-	1	6	-	5	7	1	
Baltimore	2225	37	75	51	70	101	25	14	47	46	192	67	22	102	86	364	107	97	133	23	21	69	16	20	62	37	14	211	7	15	106	25
Canton	168	1	2	7	-	8	2	3	1	9	2	1	11	2	5	27	-	3	3	2	-	3	2	1	-	2	1	51	1	3	14	2
Central Pennsylvania	275	7	16	11	8	13	6	2	2	3	17	12	3	14	13	52	12	15	11	8	2	12	7	2	-	6	-	12	1	2	9	4
Cincinnati	568	13	25	14	3	27	8	9	1	10	6	3	32	26	20	98	5	31	20	4	7	28	10	1	5	16	2	70	5	4	71	7
Cleveland	1515	10	54	50	17	69	41	33	9	38	30	22	98	53	37	204	12	104	52	29	17	55	11	10	5	46	7	161	11	11	197	12
Columbus	1201	19	22	33	63	52	19	24	16	31	30	25	44	45	31	233	37	38	68	8	15	64	19	3	6	39	7	132	9	12	58	18
Dayton	1225	21	32	26	28	37	13	15	21	28	146	27	20	115	63	244	26	45	51	6	15	48	11	9	14	33	2	65	3	8	42	32
Delaware Bay	361	11	15	8	2	7	4	2	4	8	3	3	13	14	11	84	5	16	5	1	6	17	2	2	-	5	2	59	12	4	43	4
Eastern Shore	68	-	4	4	1	1	-	-	3	-	3	-	-	6	2	14	2	1	1	-	1	1	1	1	-	1	2	15	-	-	3	1
Erie	144	1	3	1	1	3	-	3	-	2	3	-	6	5	3	19	-	5	4	3	6	2	2	3	5	1	-	20	4	3	35	2
Johnstown	101	-	1	8	1	7	-	2	-	3	2	3	7	4	1	10	1	4	2	-	4	4	3	-	-	3	-	16	-	1	14	-
Lehigh Valley	779	4	18	35	6	28	13	6	13	17	15	8	27	28	86	76	21	16	29	9	26	14	8	8	2	7	2	189	8	8	66	9
Lima	56	-	1	-	-	1	1	-	-	3	5	-	2	6	5	7	1	1	-	-	-	-	2	-	1	-	-	11	2	-	7	-
North Central Ohio	70	-	1	1	1	4	-	-	-	1	1	-	1	5	2	10	-	2	13	-	1	1	2	2	1	-	-	15	-	1	5	-
Northern Virginia	2835	85	120	76	118	76	22	63	49	39	239	125	22	180	65	578	73	44	375	18	16	89	17	18	52	92	32	121	6	11	49	50
Ohio Valley	68	-	1	3	1	3	1	-	-	-	-	1	6	2	1	9	-	4	1	-	-	2	-	-	-	1	1	16	1	-	12	2
Philadelphia	4118	51	124	170	81	156	55	47	69	92	199	79	85	184	85	805	93	232	232	21	90	123	46	40	42	132	15	505	28	43	218	27
Pittsburgh	2231	17	37	51	10	83	34	13	28	52	26	29	77	92	77	295	17	78	50	23	15	71	31	12	7	71	12	489	40	37	345	29
Sharon	178	-	3	7	1	12	2	3	1	5	3	1	10	6	2	17	2	1	5	-	2	5	2	-	3	3	-	48	7	2	24	1
Southern New Jersey	139	1	2	8	2	9	1	5	2	3	12	-	4	6	6	35	-	1	7	-	-	6	3	1	-	8	-	14	-	-	3	1
Susquehanna	367	7	11	31	4	22	7	8	7	8	6	3	17	17	15	47	10	9	14	12	13	9	4	3	2	4	2	36	3	6	30	7
Washington	4740	172	179	150	181	155	120	79	82	149	349	171	39	238	133	934	168	190	414	42	44	114	33	53	73	140	43	258	14	41	81	73
West Virginia	168	1	4	8	6	9	-	3	2	4	1	1	7	6	4	20	7	5	7	-	2	7	1	-	-	1	-	21	-	1	38	3
TOTALS	24,041	464	759	762	608	896	379	341	362	583	1300	584	571	1173	762	4231	602	951	1511	210	311	755	235	191	281	654	146	2643	175	219	1533	311

\*Summary column only; Affiliate members included in Group/Society totals for Sections.

## SECTION C

## REGION 3

TABLE 2 - GROUP/SOCIETY MEMBERSHIP, BY REGION, BY SECTION, BY GROUP AND SOCIETY - 1977

Section	Total G/S Member	Total* Affil- iates	ASSP 1	BCCE 2	AP 3	CAS 4	NPS 5	VT 6	R 7	IM 9	AES 10	IT 12	IECI 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	GE 29	PE 31	EI 32	MAG 33	IA 34	QEA 36
Alabama	613	13	15	16	8	21	3	3	6	8	8	4	8	16	12	103	4	30	79	1	3	21	17	2	1	11	1	155	4	5	47	1
Atlanta	1552	17	62	59	65	73	9	14	7	37	60	22	37	60	29	247	54	49	128	5	13	46	20	16	20	29	6	235	7	7	115	21
Baton Rouge	166	-	4	3	1	7	3	-	-	7	1	2	8	5	3	19	3	8	7	-	-	9	5	-	-	5	1	28	-	2	35	-
Broward	342	1	11	15	5	20	2	15	8	9	6	1	5	30	14	55	8	11	24	5	12	3	3	4	2	3	2	48	2	6	11	2
Canaveral	565	7	23	22	26	36	6	6	14	13	40	25	3	24	27	108	22	10	61	8	4	11	-	5	8	6	7	27	2	2	5	14
Central North Carolina	123	1	7	2	2	12	-	3	4	1	3	3	3	12	-	26	1	2	12	-	2	4	2	4	-	1	3	7	-	-	7	-
Central Savannah River	62	-	1	3	-	7	3	-	-	2	3	-	2	2	-	8	1	6	3	1	-	2	3	2	-	2	-	5	-	-	5	1
Central Virginia	478	4	13	15	9	19	7	30	9	13	11	13	14	24	12	62	14	25	33	7	11	24	11	7	4	19	2	43	4	5	12	6
Charlotte	369	3	6	9	1	5	3	3	1	4	6	1	14	13	3	27	3	7	35	-	2	5	3	1	-	-	-	165	7	4	40	1
Chattanooga	170	1	2	5	-	1	-	-	-	1	-	-	4	6	1	9	-	1	4	-	1	4	1	-	-	2	-	111	3	1	13	-
Coastal South Carolina	118	1	1	8	2	4	2	2	2	5	3	1	4	4	5	19	1	8	9	-	1	3	4	-	1	2	1	18	-	-	6	2
Columbia	184	3	7	5	2	5	1	7	2	-	3	-	5	14	8	50	4	5	9	2	4	7	2	1	1	3	-	15	1	1	17	2
Daytona	85	1	2	3	1	4	-	-	-	2	5	4	3	3	1	17	1	-	7	-	-	4	1	2	2	3	-	12	1	-	6	1
Eastern North Carolina	844	17	31	34	18	53	10	7	8	27	28	22	22	25	33	184	25	53	71	7	5	24	4	5	2	21	4	76	2	5	26	12
East Tennessee	461	4	13	15	5	23	26	-	4	12	7	8	16	16	11	79	5	15	15	2	3	19	1	-	-	9	2	106	5	1	40	3
Evansville-Owensboro	154	1	3	8	2	8	3	1	1	5	5	2	4	9	7	23	4	6	3	-	6	3	4	2	-	4	1	22	-	2	16	-
Florida West Coast	844	5	25	31	16	29	10	12	25	23	39	19	22	34	15	106	34	24	70	6	21	28	9	3	8	7	5	166	6	6	41	4
Fort Walton	72	-	3	-	1	3	1	-	1	1	11	4	1	4	2	15	1	1	3	-	1	8	-	1	3	2	-	2	1	2	-	-
Gainesville	288	6	16	8	4	25	5	2	1	5	7	7	2	1	19	57	4	18	22	-	2	16	7	-	2	11	2	27	1	3	6	8
Hampton Roads	458	12	16	32	6	27	10	5	4	18	24	9	10	16	13	105	6	22	29	3	1	32	6	-	4	7	3	25	1	3	16	5
Huntsville	524	18	13	17	20	24	7	7	13	15	47	8	10	22	5	141	23	8	19	4	7	46	2	1	3	15	4	12	1	2	13	15
Jacksonville	124	1	3	5	1	1	2	4	-	1	2	-	2	8	-	13	-	3	7	-	-	1	1	1	-	2	1	46	1	1	18	-
Lexington	174	4	9	6	2	9	-	-	2	4	3	1	2	6	11	26	4	16	6	3	3	7	-	1	3	5	1	23	2	3	13	3
Louisville	248	5	8	10	7	16	2	5	1	6	3	2	6	15	7	44	6	16	12	1	3	9	2	-	1	6	-	29	-	1	27	3
Memphis	275	7	5	12	4	14	4	4	1	5	6	6	7	6	3	45	5	27	14	1	3	6	5	3	2	10	5	48	1	2	17	4
Miami	667	3	17	16	7	22	12	9	13	21	13	9	13	51	10	68	7	56	42	5	9	9	8	2	4	17	5	177	3	3	35	4
Middle Tennessee	54	2	-	-	1	4	1	-	-	3	7	-	1	-	-	12	1	3	-	-	1	3	1	-	-	-	-	7	-	-	8	1
Mississippi	281	2	9	10	21	12	6	4	2	5	4	5	11	10	5	42	18	6	19	1	4	9	3	4	7	2	3	46	2	3	6	2
Mobile	102	-	6	5	1	3	1	1	1	-	5	-	5	12	-	12	1	5	6	1	2	4	-	1	2	3	-	13	-	-	12	-
Nashville	339	10	11	13	6	24	5	3	1	2	6	8	11	11	5	60	5	36	17	5	10	17	4	3	-	9	-	39	-	3	23	2
New Orleans	521	3	10	16	7	19	4	4	4	14	15	8	16	19	9	68	8	27	49	3	1	16	2	6	5	5	8	118	-	-	46	4
Oak Ridge	109	3	1	4	-	3	36	-	1	2	3	1	4	3	16	2	4	2	-	1	1	1	1	-	-	1	-	14	1	1	5	1
Orlando	535	4	23	15	12	20	4	20	5	8	34	12	12	20	17	121	23	10	67	3	10	21	4	4	9	7	1	25	1	3	12	12
Palm Beach	244	4	7	13	4	9	2	4	3	4	4	3	6	13	12	55	3	6	9	2	6	8	3	-	3	4	1	43	3	1	7	6
Panama City	62	2	3	3	1	3	1	-	-	2	2	-	-	1	2	17	-	6	2	2	-	1	-	-	-	2	1	7	-	1	5	-
Pensacola	50	-	1	1	-	4	-	-	-	1	1	-	2	1	-	18	-	3	1	1	-	5	-	-	-	-	1	7	-	-	3	-
Piedmont	198	2	9	5	3	7	-	2	3	5	2	4	7	3	7	32	1	10	9	-	4	9	6	2	-	2	1	30	1	2	31	1
Richmond	265	9	3	7	5	8	3	4	2	12	6	-	13	16	2	52	3	11	7	1	3	12	1	3	6	4	2	57	2	-	19	1
Savannah	35	-	1	3	-	-	-	-	-	-	-	-	1	-	1	4	-	-	-	-	1	1	-	-	-	-	-	13	1	1	7	1
Virginia Mountain	379	2	11	16	9	18	7	3	3	8	4	4	23	15	5	62	11	6	21	2	2	22	3	4	1	12	1	47	2	4	50	3
Western North Carolina	90	1	2	5	3	5	1	1	1	3	2	1	6	1	1	7	3	1	5	1	2	1	2	-	1	2	1	15	1	2	13	1
Winston-Salem	82	1	8	3	-	3	-	-	-	2	3	-	4	2	-	19	2	9	6	5	1	1	1	3	1	-	2	6	-	-	1	-
TOTAL	13,306	180	431	478	288	610	202	185	153	316	442	219	346	554	320	2253	321	570	944	88	165	482	152	94	106	255	78	2115	69	88	835	147

\*Summary column only; Affiliate members included in Group/Society totals for Sections.

## SECTION C

TABLE 2 - GROUP/SOCIETY MEMBERSHIP, BY REGION, BY SECTION, BY GROUP AND SOCIETY - 1977

REGION 4			ASSP	BBCE	AP	CAS	NPS	VT	R	IM	AES	IT	IECI	EM	ED	COMP	MTT	EMB	COM	SU	CHMT	CS	Ed	PC	EMC	SMC	GE	PE	EI	MAG	IA	QEA
Section	Total G/S Members	Total Affiliates	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	31	32	33	34	36
Arrowhead	85		2	2	2	4	-	3	-	2	-	-	6	3	3	5	1	1	3	-	-	3	-	-	2	1	33	1	-	8	-	
Calumet	364	7	11	14	3	21	4	6	1	7	6	3	21	19	8	49	4	10	14	3	1	15	5	1	1	6	2	76	4	5	42	2
Cedar Rapids	317	7	12	10	4	27	4	8	10	6	15	4	4	15	7	59	14	16	21	5	5	12	3	3	6	6	-	26	-	2	8	5
Central Illinois	930	14	30	25	37	45	21	8	4	21	14	26	19	22	44	185	34	36	50	13	4	46	11	2	2	35	2	104	3	5	44	38
Central Indiana	1348	15	59	88	12	83	10	16	14	34	28	37	31	35	63	220	23	66	62	25	23	56	28	6	4	39	9	188	10	16	49	14
Central Iowa	260	4	8	7	8	11	4	3		2	5	1	4	7	4	45	7	11	13	1	4	16	1	-	5	-	57		1	17	4	
Chicago	4955	92	154	301	66	252	101	140	61	111	58	61	158	31	138	945	102	214	326	61	96	105	39	34	30	82	17	622	40	51	13	46
Fort Wayne	358	2	16	38	2	21	6	11	5	6	13	5	9	13	9	39	8	9	21	3	9	5	2	3	2	7	3	41	9	4	25	4
Illinois Valley	145	2	3	4	2	7	2	4	1	4	3	-	8	12	1	20	1	4	4	-	1	4	4	2	1	1	-	26	2	1	23	-
Iowa-Illinois	173	1	5	3	2	2	-	1	1	7	2	1	10	11	2	14	1	3	2	2	3	9	1	3	-	2	-	65	-	1	17	3
Madison	546	8	25	16	11	32	14	2	3	16	6	8	12	11	14	100	9	50	24	5	3	31	14	5	1	21	3	81	-	4	19	6
Michiana	313	7	18	18	5	17	4	9	3	11	11	11	11	13	9	52	3	14	11	1	9	22	4	1	-	12	2	14	4	4	18	2
Milwaukee	1476	10	32	53	11	75	17	17	23	44	25	9	65	61	30	196	17	110	37	12	26	52	17	7	6	36	6	210	26	34	14	8
Nebraska	646	13	13	27	10	28	7	9	3	13	12	6	27	52	19	101	7	27	33	2	5	13	6	5	2	6	5	170	5	2	29	2
Northeast Michigan	179	4	4	1	-	10	5	6	3	10	2	-	11	8	8	41	2	3	3	1	3	4	2	2	2	2	1	17	7	3	17	1
Northeastern Wisconsin	306	1	7	13	7	13	4	4	1	8	6	4	17	8	7	41	8	9	11	3	1	10	7	3	-	8	-	62	3	2	36	3
Rock River Valley	220	1	7	7	4	15	2	4	4	7	6	-	16	9	7	25	4	5	10	8	7	11	4	4	1	3	-	25	4	4	15	2
Siouxland	61	-	3	7	-	2	-	-	-	1	2	-	-	2	1	6	1	4	5	-	-	2	1	-	1	1	-	18	-	-	3	1
Southeastern Michigan	3112	49	100	95	56	167	41	162	36	80	68	67	109	20	104	606	56	138	112	24	25	130	39	20	30	97	7	382	14	28	57	42
Southern Minnesota	195	3	9	7	1	11	3	2	1	3	2	3	4	4	3	83	3	12	5	3	6	5	1	1	-	3	-	11	-	3	5	1
Toledo	330	3	7	10	2	17	5	5	2	13	5	6	22	11	14	50	5	12	5	2	8	20	6	3	1	6	-	38	5	3	41	6
Twin Cities	2119	35	78	47	26	117	16	19	40	39	60	40	56	14	81	459	27	147	89	14	46	69	24	23	23	61	7	234	13	60	93	17
West Michigan	336	8	11	16	4	14	2	10	6	9	13	6	17	14	7	77	4	10	11	2	6	14	3	2	3	6	3	27	4	6	28	1
TOTALS	18,774	286	614	809	275	991	272	449	222	454	362	298	637	785	583	3418	341	911	872	190	291	654	235	131	116	447	68	2527	154	239	1221	208

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REGION 5			ASSP	BBCE	AP	CAS	NPS	VT	R	IM	AES	IT	IECI	EM	ED	COMP	MTT	EMB	COM	SU	CHMT	CS	Ed	PC	EMC	SMC	GE	PE	EI	MAG	IA	QEA
Section	Total G/S Members	Total Affiliates	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	31	32	33	34	36
Arkansas	219	2	3	10	2	10	2	2	-	1	1	1	16	5	5	23	1	3	7	1	1	4	3	-	-	1	-	69	4	1	39	4
Beaumont	144	1	4	2	3	7	3	3	-	4	4	2	6	3	4	17	1	6	6	1	-	8	3	1	-	3	2	33	-	-	15	3
Central Texas	1199	41	48	39	23	57	21	8	9	24	28	21	13	53	49	332	10	75	55	16	13	49	12	8	14	21	23	123	3	8	26	18
Corpus Christi	151	1	3	7	3	7	-	2	2	4	4	1	7	4	6	21	3	4	7	-	2	4	1	-	-	2	1	39	-	3	14	-
Dallas	2097	64	75	68	64	114	19	42	31	24	70	36	20	82	149	422	105	42	146	22	15	52	11	12	13	43	31	262	4	16	61	46
Denver	2599	47	90	83	99	124	40	37	20	93	89	41	48	83	101	519	72	132	132	20	22	103	36	13	29	63	46	265	7	32	118	42
El Paso	295	7	7	13	14	15	4	2	2	6	20	7	3	12	6	56	7	5	16	2	1	15	8	2	1	14	6	24	-	5	16	6
Fort Worth	610	16	14	23	17	38	5	16	3	9	50	10	10	20	19	123	9	19	38	5	4	17	6	3	6	13	3	107	-	7	11	5
Houston	2550	45	113	55	44	138	33	27	14	62	73	51	93	84	82	463	27	124	144	28	20	113	16	16	5	67	72	313	6	15	226	26
Kansas City	882	14	23	27	17	41	18	5	13	16	21	9	21	46	17	138	24	33	50	3	9	18	18	12	6	24	8	216	5	3	33	8
Lafayette	102	2	3	4	1	8	3	-	-	-	-	4	5	6	1	21	-	5	6	-	-	6	4	1	-	4	1	12	-	-	6	1
Oklahoma City	408	6	11	15	6	25	4	5	4	8	12	6	8	11	4	87	8	14	17	4	1	10	5	3	4	7	7	89	-	5	22	6
Ozark	100	-	2	3	1	5	1	-	-	2	4	2	4	-	3	14	1	8	6	2	-	7	3	-	2	3	2	14	1	-	8	2
Panhandle	65	-	-	2	-	1	-	-	-	3	2	-	3	-	1	2	-	3	2	-	-	4	1	-	-	2	-	29	1	-	9	-
Permian Basin	34	-	-	-	-	3	1	-	-	2	-	-	3	1	1	3	-	2	3	-	-	2	1	-	-	-	1	3	-	-	7	1
Saint Louis	1878	29	56	47	29	97	22	11	21	42	112	42	51	62	57	321	35	99	83	16	20	99	25	6	10	34	11	247	15	13	171	24
Shreveport	204	-	3	7	3	14	2	4	-	3	5	2	9	8	3	26	2	7	12	-	1	10	2	1	-	4	1	44	3	1	26	1
South Plains	168	3	5	7	-	15	9	-	-	3	4	2	5	6	10	30	2	7	6	-	2	10	6	-	-	6	2	20	1	-	2	8
Tulsa	420	7	29	12	7	19	3	2	1	9	5	13	14	12	2	54	2	9	10	6	2	27	6	-	2	9	18	97	1	5	44	-
West Central Texas	55	2	-	2	1	2	-	1	-	1	-	-	2	5	-	8	-	1	9	-	1	1	-	1	-	1	15	1	-	3	-	
Wichita	301	6	6	10	3	24	5	2	4	3	10	5	6	13	5	94	7	6	13	-	3	11	2	1	5	6	3	32	-	-	21	1
TOTALS	14,481	293	495	436	337	764	195	169	124	319	514	255	347	516	525	2774	316	604	768	126	117	570	169	80	97	326	239	2053	52	114	878	202

\*Summary column only; Affiliate members included in Group/Society totals for Sections.

## SECTION C

TABLE 2 - GROUP/SOCIETY MEMBERSHIP, BY REGION, BY SECTION, BY GROUP AND SOCIETY - 1977

## REGION 6

Section	Total G/S Members	Total* Affil- iates	ASSP 1	BCCE 2	AP 3	CAS 4	NPS 5	VT 6	R 7	IM 9	AES 10	IT 12	IECI 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	GE 29	PE 31	EI 32	MAG 33	IA 34	QEA 36
Alamogordo-Holloman	32	-	-	-	3	1	1	-	-	1	2	1	2	7	-	3	3	-	-	-	-	2	1	1	-	1	2	-	-	1	-	-
Alaska	215	3	6	8	14	2	2	4	-	5	4	4	6	9	4	26	6	5	28	1	2	3	3	7	3	3	6	43	-	1	7	3
Albuquerque	660	8	17	9	30	32	50	4	6	19	19	15	9	28	47	110	15	21	24	7	8	20	6	3	17	19	6	81	2	5	6	25
Antelope Valley	48	2	-	-	-	3	-	-	4	2	9	1	1	2	-	13	2	2	2	-	-	3	-	-	-	1	-	1	-	1	1	-
Boise	100	-	-	1	1	6	-	2	3	2	-	-	1	2	5	14	1	-	3	-	1	4	1	1	-	-	-	36	-	2	14	-
Buenaventura	565	6	15	15	21	30	6	5	10	19	57	16	5	38	33	105	38	10	20	7	10	21	3	5	10	15	1	10	3	15	10	12
China Lake	111	4	1	2	10	10	-	1	4	5	11	1	1	3	3	15	15	1	3	2	3	6	1	-	3	-	1	4	2	-	3	-
Foothill	794	10	21	18	13	45	16	13	15	27	45	16	17	39	25	143	26	33	39	7	14	21	11	6	15	19	12	75	6	10	40	7
Eastern Montana	32	-	-	-	1	1	1	-	1	1	1	-	-	-	-	4	-	1	2	-	-	1	-	1	-	-	1	12	-	-	4	-
Fort Huachuca	67	-	3	1	1	1	1	-	-	2	4	1	2	6	-	9	1	2	13	-	1	2	-	2	6	-	1	6	1	-	1	-
Hawaii	386	5	10	18	5	11	4	1	2	15	19	15	7	18	6	85	5	18	35	2	2	13	2	4	4	10	6	38	2	2	21	6
Idaho	95	7	3	-	2	3	12	-	5	4	1	-	5	7	4	23	1	1	1	-	-	1	1	1	-	1	-	15	-	-	3	1
Las Vegas	89	5	2	4	3	4	5	4	-	3	3	-	1	3	2	9	3	2	4	-	1	2	2	1	3	1	2	22	-	-	1	2
Los Alamos	186	16	8	1	1	12	38	1	1	3	1	3	6	1	6	48	1	3	3	1	-	4	1	2	1	5	1	8	-	1	7	18
Met. Los Angeles	1103	20	36	39	14	44	17	16	14	29	44	39	24	21	39	191	29	46	59	9	10	41	8	8	10	32	6	151	8	20	65	34
Montana	113	-	1	5	2	5	1	4	2	3	2	1	3	2	5	21	2	3	7	-	2	6	2	-	-	2	2	22	1	1	4	2
Oakland-East Bay	2113	55	65	47	34	136	100	23	17	59	27	40	61	40	126	439	48	95	74	18	11	83	10	11	18	50	18	230	13	21	137	62
Orange County	3080	50	105	87	73	164	51	28	54	70	200	86	64	126	153	683	90	108	142	39	59	126	17	27	29	71	20	166	10	46	128	58
Phoenix	1469	12	33	39	30	90	15	29	29	26	49	24	21	41	113	277	57	31	58	11	27	41	20	16	12	27	6	242	9	15	52	29
Portland	1498	33	43	37	17	70	14	17	14	43	14	16	38	44	74	265	32	58	38	15	16	35	16	9	9	31	7	386	5	3	115	17
Richland	211	2	3	3	2	5	18	2	4	7	1	1	11	9	3	25	1	5	4	5	-	14	2	-	-	7	5	56	2	2	8	6
Sacramento	752	11	18	33	10	48	8	16	5	19	13	14	21	24	21	147	13	61	43	5	6	33	12	6	4	23	6	93	1	7	33	9
San Diego	1747	43	83	49	62	84	52	12	29	43	103	67	21	71	83	389	58	51	99	22	23	64	7	10	21	47	18	96	3	22	25	33
San Fernando Valley	1650	46	66	37	74	84	19	16	48	33	132	42	24	59	53	379	105	56	54	12	37	64	13	17	23	37	10	64	6	26	38	22
San Francisco	1425	39	37	48	15	59	27	32	10	30	27	19	33	54	48	239	37	61	88	6	14	39	10	17	10	31	6	284	7	10	112	15
San Gabriel Valley	831	20	27	21	20	33	16	10	8	28	44	30	9	23	28	164	27	24	51	11	15	30	3	10	6	18	14	91	4	13	35	18
Santa Barbara	653	8	40	22	25	37	8	5	8	17	30	18	12	14	35	133	32	26	32	15	12	23	12	4	8	17	4	12	2	20	12	18
Santa Clara Valley	7308	176	253	216	186	438	112	54	129	156	271	191	104	261	740	1595	406	210	457	107	143	222	43	34	61	200	42	229	24	154	109	160
Santa Monica Bay	1856	59	97	52	50	114	27	16	28	29	133	80	13	52	88	427	68	91	123	11	31	80	12	11	17	75	12	26	2	21	22	48
Seattle	1986	29	75	56	81	107	26	23	23	56	135	35	38	88	36	337	59	101	107	33	27	67	19	16	25	32	21	214	7	7	117	18
South Bay Harbor	1835	49	55	40	71	80	26	13	37	28	151	69	17	53	111	364	124	41	136	13	29	84	11	14	24	40	10	60	4	28	68	34
Spokane	241	2	4	8	7	15	3	4	-	5	4	3	8	13	6	48	2	3	6	-	2	12	5	3	1	6	1	51	-	-	18	3
Tucson	336	4	5	5	14	27	4	6	4	8	11	8	8	5	21	49	13	22	19	3	4	9	7	2	8	11	6	38	1	2	6	10
Utah	709	18	47	23	16	34	12	3	7	17	14	18	17	17	19	171	25	50	30	11	1	22	9	3	4	25	8	65	-	1	30	10
Vandenberg	90	2	5	4	2	1	-	1	-	4	13	-	1	2	1	32	-	2	5	-	-	4	-	1	-	3	2	4	1	-	2	-
Wenatchee	25	1	-	2	-	-	-	-	-	1	-	-	-	2	-	2	2	-	-	-	-	1	-	-	-	-	-	14	-	-	3	-
TOTALS	34,411	745	1184	950	910	1836	693	365	521	819	1594	874	611	1184	1938	6984	1345	1244	1809	373	511	1203	270	253	352	860	263	2945	126	457	1257	680

\*Summary column only; Affiliate members included in Group/Society totals for Sections.



## SECTION C

TABLE 2 - GROUP/SOCIETY MEMBERSHIP, BY REGION, BY SECTION, BY GROUP AND SOCIETY - 1977

Section	Total G/S Members	Total* Affiliates	ASSP 1	BBCE 2	AP 3	CAS 4	NPS 5	VT 6	R 7	IM 9	AES 10	IT 12	IECI 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	GE 29	PE 31	EI 32	MAG 33	IA 34	QEA 36
Bay of Quinte	348	2	8	9	6	21	4	4	4	11	6	11	19	10	7	62	7	6	24	4	4	17	4	3	3	5	-	37	4	9	37	2
Canadian Atlantic	233	1	9	15	1	12	1	4	2	7	6	4	13	6	4	39	-	10	17	-	2	10	4	3	1	5	4	35	1	1	16	1
Hamilton	711	6	22	28	11	37	12	5	8	15	19	21	37	19	21	101	23	28	39	12	12	28	16	8	4	10	4	89	6	9	57	10
Kitchener-Waterloo	484	4	21	25	11	43	1	2	7	8	5	14	13	12	20	112	13	15	32	2	5	26	7	1	2	19	-	36	7	5	15	5
London	270	3	9	19	4	22	3	-	4	9	1	2	20	7	3	39	1	14	19	4	3	11	2	2	-	5	-	35	3	3	23	3
Montreal	2065	25	54	64	31	112	29	30	36	55	47	55	66	73	46	319	49	74	166	14	25	78	21	18	8	58	12	306	23	15	153	28
New Brunswick	152	2	4	10	6	7	4	3	-	3	2	2	6	1	3	17	6	5	15	-	3	9	4	2	-	2	1	23	-	-	12	2
Northern Canada	400	2	11	17	6	32	4	5	5	9	8	4	24	14	10	52	14	19	21	-	2	15	7	2	6	8	5	54	4	2	33	7
Ottawa	1563	29	75	68	52	77	13	16	20	55	71	44	22	69	55	326	57	41	215	11	19	41	12	19	17	56	20	46	5	3	24	14
Quebec	208	1	12	15	6	13	-	4	1	11	4	7	9	9	3	19	9	6	18	-	-	9	4	4	-	8	-	18	2	-	9	8
Saint Maurice	44	-	2	6	-	3	2	-	-	3	2	-	5	1	-	4	-	2	1	1	-	1	3	1	-	-	-	4	-	-	3	-
Saskatchewan	229	5	6	9	4	13	4	4	2	5	7	7	11	4	4	46	3	5	12	3	1	11	7	3	-	6	2	33	3	2	12	-
Southern Alberta	480	4	31	30	4	35	8	6	1	8	12	11	25	13	16	62	7	18	29	5	3	24	3	3	2	8	10	60	-	5	35	6
Toronto	2705	40	81	146	55	157	38	66	18	90	53	30	108	88	68	450	42	101	194	25	22	79	32	19	16	55	21	370	29	29	189	34
Vancouver	860	10	26	39	15	43	7	11	6	24	17	8	43	24	16	131	15	39	66	7	9	31	5	3	7	16	3	153	9	7	73	7
Victoria	75	1	2	7	1	2	2	6	-	2	-	-	4	3	-	8	-	4	6	-	-	3	1	2	-	1	3	8	-	-	10	-
Winnipeg	456	6	14	32	13	24	3	6	5	11	8	6	17	14	10	48	17	21	33	3	3	22	7	7	2	6	6	80	4	3	26	5
TOTALS	11,283	141	387	539	226	653	135	172	119	326	268	226	442	367	286	1835	263	408	907	91	113	415	139	100	68	268	91	1387	100	93	727	132

Section	Total G/S Members	Total* Affiliates	ASSP 1	BBCE 2	AP 3	CAS 4	NPS 5	VT 6	R 7	IM 9	AES 10	IT 12	IECI 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	GE 29	PE 31	EI 32	MAG 33	IA 34	QEA 36
BeneLux	2001	23	90	53	61	169	51	27	30	68	53	86	52	57	158	251	70	75	121	26	30	112	36	14	16	74	13	82	15	32	47	32
Denmark	558	3	35	18	37	46	9	8	13	22	15	18	15	11	34	60	43	24	35	9	9	15	8	5	8	16	5	12	5	3	6	13
Egypt	279	-	10	3	13	18	6	2	3	7	6	9	15	4	12	18	13	17	14	3	5	24	1	-	-	13	1	37	5	3	14	3
Finland	476	3	36	19	19	32	6	4	7	22	5	18	25	11	18	87	16	14	31	4	3	26	4	1	7	25	6	8	5	3	9	5
France	1474	14	59	32	34	77	29	14	45	55	63	75	48	41	58	171	64	95	92	28	35	86	29	8	20	54	16	72	20	39	32	43
Germany (West)	1166	37	46	31	37	76	11	15	22	32	47	44	18	37	60	193	54	37	89	19	20	55	14	7	14	41	10	54	10	28	15	30
Greece	552	2	16	14	23	49	5	3	6	8	12	22	32	15	24	47	18	7	46	3	6	43	9	2	8	23	4	65	2	7	30	3
Iran	286	2	10	7	8	12	2	5	5	5	10	7	12	19	5	36	5	5	20	1	2	16	4	3	2	12	-	47	1	-	20	5
Israel	719	4	31	15	26	41	5	6	17	20	43	39	29	20	39	76	33	32	57	14	15	47	8	11	9	21	3	17	5	10	15	15
Middle & South Italy	544	3	17	16	20	35	7	7	12	21	24	32	13	9	31	56	24	21	37	10	10	25	11	6	11	23	3	26	3	4	9	21
North Italy	1178	4	35	26	33	92	16	15	24	55	22	40	56	21	55	176	30	65	93	19	21	74	10	8	13	36	6	50	13	15	41	18
Norway	229	4	23	5	9	14	2	2	8	6	11	16	14	11	10	41	10	9	16	8	7	18	2	1	3	13	4	16	4	3	7	6
Poland	60	1	-	1	2	1	-	1	2	2	1	2	2	1	4	6	3	-	1	1	4	6	3	-	-	-	-	8	3	3	2	1
Spain	1412	3	65	25	35	103	16	13	21	68	32	67	72	31	70	149	49	66	83	12	20	82	44	13	14	76	9	54	15	26	58	24
Sweden	1383	5	72	25	33	87	21	6	36	80	59	60	40	24	71	141	56	62	72	17	28	73	24	18	29	54	14	55	20	20	35	29
Switzerland	1276	14	54	39	21	99	20	12	32	58	41	52	48	30	60	166	39	49	97	22	27	57	26	9	20	29	7	69	19	16	29	29
United Kingdom & Republic of Ireland	1560	29	61	45	45	110	25	22	32	42	27	44	56	55	73	195	73	39	99	29	22	63	19	25	15	48	14	163	14	29	57	19
Yugoslav	232	-	7	8	4	20	5	2	10	11	4	7	14	5	13	24	4	7	14	1	7	18	6	1	2	13	-	10	3	3	6	3
TOTAL	15,455	151	667	382	460	1081	236	164	325	582	475	638	561	402	795	1893	604	564	1017	226	271	840	258	132	191	571	115	845	162	244	432	299
Members not assigned to Sections	1,234	6	38	36	36	85	10	15	19	50	28	49	46	51	55	121	42	43	88	19	23	68	26	15	8	33	7	123	15	11	55	19
TOTAL, Region 8	16,689	157	705	418	496	1166	246	201	344	632	503	687	607	453	850	2014	646	607	1105	245	295	908	284	147	199	604	122	968	177	255	487	318

\*Summary column only; Affiliate members included in Group/Society totals for Sections.

## SECTION C

TABLE 2 - GROUP/SOCIETY MEMBERSHIP, BY REGION, BY SECTION, BY GROUP AND SOCIETY - 1977

## REGION 9

Section	Total G/S Members	Total* Affil- iates	ASSP 1	BCCE 2	AP 3	CAS 4	NPS 5	VT 6	R 7	IM 9	AES 10	IT 12	IECI 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	GE 29	PE 31	EI 32	MAG 33	IA 34	QEA 36
Argentina	464	3	17	16	5	34	4	3	5	29	9	14	36	7	19	68	8	31	15	6	8	33	7	2	5	12	2	32	3	4	23	7
Bahia	280	1	3	3	5	9	2	1	2	7	2	4	15	8	5	8	8	2	17	1	-	10	3	1	-	1	1	90	4	-	67	1
Bolivia	55	-	4	4	3	4	2	1	-	2	3	-	1	2	2	4	3	3	4	1	-	2	-	-	-	-	-	9	1	1	1	1
Brazilia	27	-	1	2	2	3	-	-	-	-	1	-	-	1	-	1	-	-	5	-	-	2	1	-	-	-	-	7	-	-	1	-
Central America	338	2	3	7	7	14	1	2	1	8	2	5	18	19	4	31	7	9	18	2	3	19	8	2	1	7	3	76	4	2	53	2
Chile	328	1	7	12	5	22	5	1	1	8	4	6	30	6	15	38	7	29	18	1	2	21	3	1	-	10	3	42	3	-	27	1
Colombia	655	1	11	17	14	40	3	2	3	16	10	11	34	19	32	82	16	54	43	5	1	33	6	5	1	44	2	85	2	4	59	1
Ecuador	284	7	6	7	11	16	1	3	3	5	3	2	18	7	7	22	5	11	16	3	3	14	6	3	3	9	1	52	6	2	37	2
Jamaica	46	-	-	2	1	1	-	2	1	3	-	-	1	7	1	2	1	1	5	-	1	1	-	1	-	-	-	13	1	-	1	-
Mexico	1230	10	26	43	22	67	12	11	14	53	15	20	71	67	37	106	23	44	71	14	21	64	34	15	6	59	12	160	25	12	94	12
Monterrey	265	1	3	4	2	11	1	1	-	7	5	1	20	17	13	47	-	7	9	3	5	20	6	-	-	10	1	31	5	-	36	-
Panama	99	-	-	7	-	7	-	2	-	3	-	-	5	3	2	8	-	1	6	-	-	7	-	2	-	2	-	22	1	-	21	-
Peru	742	-	13	33	26	69	4	7	5	27	10	11	49	29	25	45	28	19	56	9	3	35	5	8	1	18	3	93	18	6	83	4
Puerto Rico & Virgin Islands	274	2	6	19	5	14	5	4	2	6	4	1	8	16	5	29	3	14	17	1	3	6	7	2	1	2	2	65	6	1	17	3
Rio de Janeiro	567	3	16	8	6	21	4	5	10	20	6	10	22	15	7	54	6	10	21	4	6	31	13	4	3	14	4	184	9	4	46	4
Sao Paulo	1232	22	37	36	32	72	13	7	9	45	25	33	64	58	39	126	42	62	98	7	9	49	18	10	9	32	4	173	17	3	89	14
Venezuelan	<u>783</u>	<u>4</u>	<u>17</u>	<u>30</u>	<u>27</u>	<u>33</u>	<u>6</u>	<u>8</u>	<u>6</u>	<u>37</u>	<u>11</u>	<u>8</u>	<u>65</u>	<u>27</u>	<u>22</u>	<u>65</u>	<u>20</u>	<u>23</u>	<u>55</u>	<u>3</u>	<u>13</u>	<u>31</u>	<u>19</u>	<u>8</u>	<u>1</u>	<u>12</u>	<u>4</u>	<u>126</u>	<u>10</u>	<u>3</u>	<u>90</u>	<u>3</u>
TOTALS	7,669	51	167	250	173	437	63	60	62	276	110	126	457	308	235	736	177	320	474	60	78	378	136	64	31	232	42	1260	115	42	745	55
Members not assigned to Sections	<u>252</u>	<u>1</u>	<u>8</u>	<u>8</u>	<u>5</u>	<u>14</u>	<u>1</u>	<u>1</u>	<u>3</u>	<u>9</u>	<u>2</u>	<u>6</u>	<u>7</u>	<u>13</u>	<u>5</u>	<u>24</u>	<u>6</u>	<u>6</u>	<u>17</u>	<u>2</u>	<u>3</u>	<u>10</u>	<u>6</u>	<u>6</u>	<u>1</u>	<u>3</u>	<u>1</u>	<u>60</u>	<u>3</u>	<u>1</u>	<u>17</u>	<u>4</u>
TOTAL, REGION 9	7,921	52	175	258	178	451	64	61	65	285	112	132	464	321	240	760	183	326	491	62	81	388	142	70	32	235	43	1320	118	43	762	59

## REGION 10

Australian	1797	16	78	82	51	131	20	18	26	60	30	57	88	48	52	266	63	62	134	18	14	109	42	9	9	57	10	149	16	9	68	21
Bangalore	307	-	6	11	8	11	4	4	3	12	8	5	17	14	16	28	13	4	14	5	7	15	5	4	3	6	4	42	5	3	27	3
Bombay	419	-	5	15	3	19	4	2	3	20	4	2	46	19	21	51	8	8	15	4	13	19	4	2	1	12	2	67	7	5	32	6
Delhi	457	-	17	6	24	28	3	1	8	14	13	13	24	7	26	54	30	11	16	1	9	30	4	-	2	8	-	66	2	4	32	4
Hong Kong	914	2	10	83	14	66	7	3	6	24	16	7	27	55	52	208	22	12	66	5	17	31	9	2	1	7	-	115	5	3	35	6
Korea	904	1	45	28	22	81	16	8	14	34	24	45	27	12	61	98	33	22	68	22	15	53	10	11	13	27	10	23	9	14	28	31
New Zealand	176	-	8	4	8	8	1	2	2	1	3	3	13	3	-	36	3	9	7	3	3	9	3	-	-	5	2	16	2	1	19	2
Pakistan	33	-	-	3	-	3	-	-	-	-	-	-	3	1	-	6	2	-	3	-	1	-	-	-	-	-	-	8	1	-	1	1
Philippines	82	1	2	5	3	6	1	1	-	2	-	-	2	8	2	8	1	-	11	-	5	2	2	-	-	-	-	14	2	-	5	-
Republic of China	517	-	20	24	9	37	4	2	3	16	5	19	17	16	57	89	16	14	44	9	13	30	6	1	1	11	3	19	1	1	14	16
Singapore	192	1	4	13	5	11	-	3	1	6	4	3	10	17	7	33	4	5	7	2	8	4	3	4	1	1	1	22	-	1	8	4
South Africa	113	1	6	1	2	10	1	1	-	8	4	1	10	6	4	11	5	3	4	2	-	5	3	-	-	3	4	10	1	-	8	-
Thailand	153	1	3	6	4	9	3	4	3	5	1	4	7	7	3	10	5	5	12	3	6	13	5	2	1	3	1	10	2	4	11	3
Tokyo	<u>5859</u>	<u>25</u>	<u>179</u>	<u>168</u>	<u>201</u>	<u>348</u>	<u>94</u>	<u>98</u>	<u>125</u>	<u>161</u>	<u>125</u>	<u>239</u>	<u>146</u>	<u>104</u>	<u>415</u>	<u>572</u>	<u>342</u>	<u>165</u>	<u>392</u>	<u>136</u>	<u>167</u>	<u>255</u>	<u>75</u>	<u>46</u>	<u>78</u>	<u>227</u>	<u>52</u>	<u>238</u>	<u>119</u>	<u>193</u>	<u>145</u>	<u>254</u>
TOTALS	11,923	48	383	449	354	768	158	147	194	363	237	398	437	317	716	1470	547	320	793	210	278	575	171	81	110	367	89	799	172	238	433	351
Members not assigned to Sections	517	3	5	29	16	29	3	6	5	14	8	9	27	50	12	37	16	8	58	2	8	17	8	6	2	9	2	93	2	1	29	6
APO & FPO	<u>427</u>	<u>6</u>	<u>17</u>	<u>16</u>	<u>19</u>	<u>21</u>	<u>8</u>	<u>2</u>	<u>2</u>	<u>4</u>	<u>35</u>	<u>12</u>	<u>4</u>	<u>30</u>	<u>9</u>	<u>88</u>	<u>14</u>	<u>14</u>	<u>44</u>	<u>1</u>	<u>-</u>	<u>19</u>	<u>6</u>	<u>5</u>	<u>4</u>	<u>10</u>	<u>4</u>	<u>24</u>	<u>-</u>	<u>1</u>	<u>9</u>	<u>5</u>
TOTAL, REGION 10	12,867	57	405	494	389	818	169	155	201	381	280	419	468	397	737	1595	577	342	895	213	286	611	183	92	116	386	95	916	174	240	471	362

\*Summary column only; Affiliate members included in Group/Society totals for Sections.

## SECTION C

TABLE 3 - IEEE GROUP/SOCIETY CHAPTER ACTIONS IN 1977

<u>Region/Section</u>	<u>New Chapters</u>	<u>Change in Status of Existing Chapter</u>	<u>Dissolved</u>
<u>REGION 1</u>			
Connecticut		IECI-13 and IA-34 merged to form Joint IECI/IA Chapter	
Mid-Hudson New Hampshire Rochester Syracuse	CAS-4 COMP-16 ED-15		IT-12
<u>REGION 2</u>			
Columbus	IA-34		AP-3
Dayton Lehigh Valley Washington/Baltimore/ Northern Virginia	IECI-13/COMP-16/CS-23 SU-20		
<u>REGION 3</u>			
Atlanta Canavera Chattanooga Hampton Roads Miami	EM- 14; EMB-18  COMP-16 EM- 14		PE-31 COM-19
<u>REGION 5</u>			
Houston Kansas City Shreveport	AES-10 EM-14		ASSP-1/IM-9/ COM-19
Tulsa		PE-31 expanded to include IA-34 to form a Joint PE-31/IA-34 Chapter	
<u>REGION 6</u>			
Buenaventura Foothill		PE-31 Chapter merged with Los Angeles Council Chapter	EM-14
Orange County		COMP-16 Chapter merged with Los Angeles Council Chapter	
Phoenix San Francisco Bay Area Council			EMC- 27 ASSP-1; EM-14; Ed-25
Santa Clara Valley Spokane	PE-31 Ap-3/CAS-4/ED-15/COMP-16/CS-23	Withdrew from SFBA Council Chapter PE-31*	
<u>REGION 7</u>			
Kitchener-Waterloo Montreal	IT-12/COMP-16/COM-19/CS-23 CAS-4	R-7 expanded to include EM-14 to form a Joint R-7/EM-14 Chapter	VT-6
Winnipeg	COM-19		
<u>REGION 8</u>			
Benelux	AP-3/MTT-17		
<u>REGION 10</u>			
Delhi Tokyo	CAS-4/CS-23 MAG-33		

\* SFBA = San Francisco Bay Area

## SECTION C

TABLE 4 - IEEE GROUP/SOCIETY CHAPTERS - As of 12/31/77

Code	Group/Society Name	No. of Chapters	Section/Council Location		
AES-10	Aerospace & Electronic Systems	26	All-India Council Baltimore Central New England Council Cleveland Dayton Denver Fort Wayne Fort Worth Houston	Long Island Los Angeles Council Mohawk Valley New Jersey Coast N.Y./No. Jersey Orlando Ottawa Philadelphia Rochester St. Louis	San Diego Santa Clara Valley/ San Francisco/ Oakland-East Bay Seattle Southeastern Mich. Syracuse Vancouver NCA Council*
AP-3	Antennas & Propagation	29	Albuquerque Atlanta Baltimore Benelux Central New England Council Chicago Columbus Dallas Denver Houston	Huntsville Israel Long Island/N.Y. Los Angeles Council Montreal North Jersey Orange County Philadelphia Phoenix St. Louis San Diego	Santa Clara Valley/ San Francisco/ Oakland-East Bay Southeastern Mich. Seattle Spokane Syracuse Tokyo Vancouver NCA Council*
ASSP-1	Acoustics, Speech & Signal Processing	8	Chicago Cleveland Kitchener-Waterloo	Oakland-East Bay Ottawa Philadelphia	Southeastern Mich. Switzerland
BCCE-2	Broadcast, Cable & Consumer Electronics	7	Cleveland Chicago Florida West Coast	Philadelphia NCA Council* Tokyo	Toronto
CAS-4	Circuits & Systems	28	Canton Central Indiana Central New England Council Chicago Cleveland Dallas Delhi Fort Wayne Hamilton Houston	Kitchener-Waterloo Los Angeles Council Mid-Hudson Montreal Ottawa Philadelphia Phoenix Portland Princeton Sacramento Seattle	Spokane Syracuse Santa Clara Valley/ San Francisco/ Oakland-East Bay Southeastern Mich. Tokyo Twin Cities United Kingdom & Republic of Ireland
COM-19	Communications	52	Alabama All-India Council Atlanta Baltimore Canton Central Illinois Central New England Council Charlotte Chicago Columbus Dallas Denver Eastern N.C./ Central N.C./ Winston-Salem Florida West Coast Fort Huachuca Fort Wayne	Germany (West) Hamilton Houston Kansas City Kitchener-Waterloo Long Island Los Angeles Council Maine Mexico Miami Mohawk Valley Montreal New Jersey Coast New Orleans New York North Jersey Orlando Ottawa Philadelphia Pittsburgh	Phoenix Rochester Sacramento San Diego Santa Clara Valley/ Oakland-East Bay San Francisco Seattle Southeastern Mich Switzerland Syracuse Tokyo Toronto Twin Cities Vancouver Winnipeg NCA Council*
CHMT-21	Components, Hybrids & Manufacturing Technology	12	Central New England Council Chicago Dayton Lehigh Valley	Los Angeles Council New Jersey Coast N.Y./L.I./No. Jersey Philadelphia Portland	Santa Clara Valley/ San Francisco/ Oakland-East Bay Tokyo NCA Council*

\*NCA Council = National Capital Area Council

<u>Code</u>	<u>Group/Society Name</u>	<u>No. of Chapters</u>	<u>Section/Council Location</u>		
CS-23	Control Systems	30	Baltimore Buffalo Central New Eng- land Council Chicago Cleveland Columbus Dallas Dayton Delhi Denver Fort Worth	Hamilton Huntsville Kitchener-Waterloo Long Island/N.Y. Los Angeles Council Milwaukee North Jersey Philadelphia Phoenix Pittsburgh Sacramento	San Diego Santa Clara Valley/ San Francisco/ Oakland-East Bay Schenectady Southeastern Mich. Spokane Toledo Vancouver Wichita
COMP-16	Computer	66	Akron Alabama Arkansas Baltimore Binghamton Canaveral Central Indiana Cent. N.E. Council Central Texas Chicago Cleveland Columbus Connecticut Dallas Dayton Delaware Bay Denver Florida West Coast Fort Huachuca Fort Worth France Hamilton Hampton Roads	Houston Huntsville Kitchener-Waterloo Lehigh Valley Long Island Los Angeles Council Milwaukee Mohawk Valley Montreal Nebraska New Hampshire New Jersey Coast New Orleans New York North Jersey Oakland-East Bay Oklahoma City Orlando Philadelphia Phoenix Pittsburgh Portland Princeton	Republic of China Richland Rochester Sacramento St. Louis San Diego Santa Clara Valley/ San Francisco Schenectady Seattle Southeastern Mich. Spokane Switzerland Syracuse Tokyo Toledo Twin Cities Utah Vancouver NCA Council* Wichita
Ed-25	Education	5	Central New Eng- land Council Hamilton	Los Angeles Council United Kingdom & Republic of Ireland	Utah
Ei-32	Electrical Insulation	2	Montreal/Ottawa	Tokyo	
EMC-27	Electromagnetic Compatibility	15	Albuquerque Atlanta Baltimore Central New Eng- land Council Central Texas	Chicago Denver Los Angeles Council Mohawk Valley New Jersey Coast Philadelphia	Santa Clara Valley/ San Francisco/ Oakland-East Bay Seattle Tucson NCA Council*
ED-15	Electron Devices	29	Albuquerque All-India Council Central Illinois Central New Eng- land Council Dayton Houston Israel Kitchener-Waterloo Lehigh Valley Los Angeles Council	Milwaukee New Jersey Coast N.Y./L.I./No. Jersey Ottawa Philadelphia Phoenix Pittsburgh Portland Princeton Rochester St. Louis	Santa Clara Valley/ San Francisco/ Oakland-East Bay Schenectady Southeastern Mich. Spokane Syracuse Tokyo Twin Cities NCA Council*
EM-14	Engineering Management	23	Buffalo Canaveral Central Indiana Central New Eng- land Council Chicago Dallas	Dayton Denver Huntsville Kansas City Los Angeles Council Mexico Miami Mohawk Valley Montreal	Nebraska North Jersey Ottawa Philadelphia Pittsburgh Rochester Southeastern Mich. NCA Council*

\*NCA Council = National Capital Area Council

Code	Group/Society Name	No. of Chapters	Section/Council Location		
EMB-18	Engineering in Medicine & Biology	36	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 Nebraska New Jersey Coast N.Y./Long Island North Jersey Oakland-East Bay Philadelphia	Portland Princeton Rochester St. Louis Santa Clara Valley/ San Francisco Seattle Southeastern Mich. Tokyo Twin Cities Utah NCA Council*
GeoS-29	Geoscience Electronics	2	North Jersey	NCA Council*	
IECI-13	Industrial Electronics & Control Instrumentation	11	All-India Council Arkansas Beaumont Chicago Cleveland Connecticut	Lehigh Valley Los Angeles Council Santa Clara Valley/ San Francisco/ Oakland-East Bay	Toledo Vancouver
IA-34	Industry Applications	50	Akron Alabama Arkansas Atlanta Baltimore Baton Rouge Buffalo Central Illinois Central New Eng- land Council Chicago Cincinnati Cleveland Columbus Connecticut Dayton Delaware Bay Denver	Eastern N. C. Hamilton Houston Los Angeles Council Maine Mexico Middle Tennessee Milwaukee Montreal N.Y./Long Island New Zealand Oakland-East Bay Orlando Philadelphia Phoenix Pittsburgh Portland Rochester	Sacramento St. Louis Santa Clara Valley/ San Francisco Schenectady Seattle Southeastern Mich. Syracuse Tokyo Toledo Toronto Tulsa Twin Cities Vancouver Virginia Mountain Wichita
IT-12	Information Theory	15	Buffalo Central New Eng- land Council Central N.C./ Eastern N.C./ Winston-Salem Dallas Denver	Chicago/Central Ill./ Central Indiana/ Michiana Hamilton Kitchener-Waterloo Los Angeles Council N.Y./L.I./No. Jersey Philadelphia	Phoenix Santa Clara Valley/ San Francisco/ Oakland-East Bay Southeastern Mich. NCA Council*
IM-9	Instrumentation & Measurement	15	Central Illinois Central New Eng- land Council Chicago Cleveland Denver	Los Angeles Council Montreal N.Y./L.I./No. Jersey Ottawa Portland Southeastern Mich.	Santa Clara Valley/ San Francisco/ Oakland-East Bay Tokyo Toronto NCA Council*
MAG-33	Magnetics	9	Central New Eng- land Council Houston Los Angeles Council Milwaukee	Philadelphia Princeton Santa Clara Valley/ San Francisco/ Oakland-East Bay	Tokyo Twin Cities

\*NCA Council = National Capital Area Council

Code	Group/Society Name	No. of Chapters	Section/Council Location		
MTT-17	Microwave Theory & Techniques	37	Albuquerque All-India Council Atlanta Baltimore Benelux Central Illinois Central New England Council Chicago Columbus Dallas Denver Florida West Coast Houston	Huntsville Israel Long Island/N.Y. Los Angeles Council Milwaukee Montreal New Jersey Coast North Jersey Orange County Orlando Ottawa Philadelphia Phoenix Portland	Princeton St. Louis San Diego Santa Clara Valley/ San Francisco/ Oakland-East Bay Schenectady Seattle Southeastern Mich. Syracuse Tokyo NCA Council*
NPS-5	Nuclear & Plasma Sciences	9	All-India Council Central Illinois Central New England Council	Chicago Connecticut Los Angeles Council North Jersey	Santa Clara Valley/ San Francisco/ Oakland-East Bay NCA Council*
PC-26	Professional Communication	2	United Kingdom & Republic of Ireland	Los Angeles Council	
PE-31	Power Engineering	96	Akron Alabama Albuquerque All-India Council Argentinian 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 Denver Eastern N.C. East Tennessee Erie Florida West Coast	Fort Worth France Hamilton Houston Jacksonville Kansas City Las Vegas Lehigh Valley Los Angeles Council Maine Memphis Mexico Monterrey Miami Mid-Hudson Middle Tennessee Milwaukee/Madison Montreal Nashville Nebraska New Hampshire New Orleans N.Y./L.I. North Jersey Northeastern Wisc. Oakland-East Bay Oklahoma City Orlando Ottawa Palm Beach Philadelphia Phoenix Pittsburgh	Portland Princeton Puerto Rico & Virgin Islands Richland Rochester Sacramento St. Louis San Diego San Francisco Santa Clara Valley Schenectady Seattle Sharon Shreveport Southeastern Mich. Spokane Syracuse Tokyo Toledo Toronto Tucson Tulsa Twin Cities Utah Vancouver Virginia Mountain Wichita Winnipeg Worcester County NCA Council*
R-7	Reliability	18	Baltimore Binghamton Canaveral/Daytona Central New England Council Cleveland Chicago	Connecticut Florida West Coast Los Angeles Council Mohawk Valley Montreal New Jersey Coast N.Y./L.I.	North Jersey Philadelphia Santa Clara Valley/ San Francisco/ Oakland-East Bay Twin Cities NCA Council*
SU-20	Sonics & Ultrasonics	3	Central New England Council	Portland	Washington/Baltimore/ No. Va.

\*NCA Council = National Capital Area Council

<u>Code</u>	<u>Group/Society Name</u>	<u>No. of Chapters</u>	<u>Section/Council Location</u>		
SMC-28	Systems, Man & Cybernetics	18	Central New Eng-land Council Cleveland Connecticut Dallas L.I./N.Y. Los Angeles Council	Mexico Milwaukee New Jersey Coast North Jersey Philadelphia Pittsburgh Schenectady	Santa Clara Valley/ San Francisco/ Oakland-East Bay Southeastern Mich. Tokyo Twin Cities NCA Council*
VT-6	Vehicular Technology	21	Canton Central New Eng-land Council Chicago Cincinnati/Dayton Cleveland Columbus Dallas	Denver Florida West Coast Los Angeles Council Miami N.Y./L.I./No. Jersey Orlando Philadelphia Pittsburgh	Sacramento Santa Clara Valley/ San Francisco/ Oakland-East bay Southeastern Mich. Toronto Vancouver NCA Council*
30	Groups/Societies	674**	131 Sections/Councils		

\*\*Of this number, 135 Chapters are operated jointly by more than one Section/Council or more than one Group or Society. A total of 530 single or Joint Group/Society Chapters have been established as of 12/31/77.

\*NCA Council = National Capital Area Council



## SECTION D

Table 1 - Group/Society Affiliates, December 31, 1977; 5-Year Comparison

Code No.	Group/Society Name	12/31/77	12/31/76	12/31/75	12/31/74	12/31/73
1	Acoustics, Speech & Signal Processing	10	5	3	2	3
2	Broadcast, Cable & Consumer Electronics	2	2	1	-	-
3	Antennas & Propagation	1	1	1	-	-
4	Circuits & Systems	3	4	2	1	2
5	Nuclear & Plasma Sciences	163	160	151	115	121
6	Vehicular Technology	2	3	3	4	4
7	Reliability	11	10	10	11	13
9	Instrumentation & Measurement	2	1	-	-	-
10	Aerospace & Electronic Systems	8	6	7	6	4
12	Information Theory	9	6	7	6	6
13	Industrial Electronics & Control Instrumentation	2	-	-	-	-
14	Engineering Management	46	48	27	24	31
15	Electron Devices	7	35	37	43	62
16	Computer	2,278	1,566	1,184	797	519
17	Microwave Theory & Techniques	3	11	10	7	6
18	Engineering in Medicine & Biology	83	91	97	95	116
19	Communications	6	6	2	4	1
20	Sonics & Ultrasonics	13	14	15	18	8
21	Components, Hybrids & Manufacturing Technology	4	3	2	1	-
23	Control Systems	5	4	4	3	3
25	Education	1	1	2	1	1
26	Professional Communication	9	6	6	9	8
27	Electromagnetic Compatibility	4	5	3	1	1
28	Systems, Man & Cybernetics	22	19	18	25	25
29	Geoscience Electronics	4	2	1	1	2
31	Power Engineering	1	-	-	-	-
32	Electrical Insulation	5	8	10	9	8
33	Magnetics	66	68	75	80	88
34	Industry Applications	1	1	1	-	-
35	*Manufacturing Technology	-	-	-	-	-
36	**Quantum Electronics & Applications	34	-	-	-	-
	Totals	2,805	2,086	1,679	1,263	1,032

\*The Manufacturing Technology Group and the Parts, Hybrids & Packaging Group merged in 1977 to form the Components, Hybrids & Manufacturing Technology Group.

\*\*The former Quantum Electronics Council became the Quantum Electronics & Applications Group in 1977.

## SECTION E

## ORGANIZATIONAL UNITS OF THE IEEE, BY REGION - As of December 31, 1977

## Region Number:

1977	<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>	Total
Sections	22	25	42	23	21	36	17	18	17	14	235
Subsections	6	3	7	7	6	5	1	-	7	5	49
Chapters	105	89	53	59	58	95	32	9	8	22	530 *
Affiliations & Councils	1	1	3	-	-	2	3	-	2	1	13
Student Branches	69	48	55	47	43	53	38	33	31	12	429
<hr/>											
1976											
Sections	22	25	42	23	21	36	17	18	14	11	229
Subsections	6	3	7	6	6	5	1	-	7	5	46
Chapters	106	87	52	59	57	99	31	8	8	20	527 *
Affiliations & Councils	1	1	2	-	-	2	3	-	2	1	12
Student Branches	71	52	55	48	44	58	38	33	31	12	443
<hr/>											
1975											
Sections	22	24	42	23	21	36	17	18	14	8	225
Subsections	6	4	7	6	6	5	1	-	5	7	47
Chapters	106	88	50	60	57	90	28	6	8	19	512 *
Affiliations & Councils	1	-	2	-	-	2	3	-	2	-	10
Student Branches	71	50	53	47	43	58	37	31	37	9	436
<hr/>											
1974											
Sections	23	24	41	23	21	33	18	18	13	8	222
Subsections	6	4	7	6	6	10	-	-	4	6	49
Chapters	107	88	46	58	56	94	28	6	8	17	508 *
Affiliations & Councils	1	-	2	-	-	1	3	-	1	-	8
Student Branches	75	50	52	47	45	57	40	33	36	8	443

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

## SECTION F

Table 1 - IEEE Technical Publications Output - 1977

<u>Regular Journals</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	897	675	1,572	103	107
PROCEEDINGS OF THE IEEE	1,772	36	1,808	118	190
IEEE TRANSACTIONS & JOURNALS	<u>28,026</u>	<u>---</u>	<u>28,026</u>	<u>3,785</u>	<u>904</u>
Subtotals	30,695	711	31,406	4,006	1,201
<u>Other Publications</u>					
Conference Records (2)	1,048	---	1,048	136	---
IEEE PRESS Books	3,296	---	3,296	334	---
Preprints	4,624	---	4,624	522	---
Standards	3,010	---	3,010	50	---
Group/Society Newsletters (2)	<u>1,218</u>	<u>---</u>	<u>1,218</u>	<u>86</u>	<u>---</u>
Subtotals	13,196	---	13,196	1,128	---
<u>Totals</u>	<u>43,891</u>	<u>711</u>	<u>44,602</u>	<u>5,134</u>	<u>1,201</u>

(1) Includes Institute-related advertising material.

(2) Produced through IEEE Publishing Services Department.

Table 2 - IEEE TRANSACTIONS and JOURNALS - 1977

	<u>Number of Issues</u>	<u>Editorial Pages</u>	<u>Number of Papers</u>	<u>Number of Letters</u>
ACOUSTICS, SPEECH, & SIGNAL PROCESSING	6	624	63	44
AEROSPACE & ELECTRONIC SYSTEMS	6	840*	56	56
ANTENNAS & PROPAGATION	6	952	137	50
AUTOMATIC CONTROL	6	1,044	114	135
BIOMEDICAL ENGINEERING	6	580	55	52
BROADCASTING	4	132	16	--
CABLE TELEVISION	4	216*	18	--
CIRCUITS AND SYSTEMS	12	804	81	28
COMMUNICATIONS	12	1,576	180	34
COMPUTERS	12	1,372	105	96
CONSUMER ELECTRONICS	4	620	64	--
EDUCATION	4	212	31	16
ELECTRICAL INSULATION	6	484	62	7
ELECTROMAGNETIC COMPATIBILITY	4	440*	61	6
ELECTRON DEVICES	12	1,440	191	60
ENGINEERING MANAGEMENT	4	168	15	6
GEOSCIENCE ELECTRONICS	4	280	33	--
INDUSTRIAL ELECTRONICS & CONTROL INSTRUMENTATION	4	356	48	20
INDUSTRY APPLICATIONS	6	748	100	3
INFORMATION THEORY	6	848	63	67
INSTRUMENTATION & MEASUREMENT	4	458	98	8
MAGNETICS	6	1,836	438	7
MANUFACTURING TECHNOLOGY	4	94	16	--
MICROWAVE THEORY & TECHNIQUES	12	1,220*	183	31
NUCLEAR SCIENCE	6	2,628	580	1
OCEANIC ENGINEERING	4	368	46	--
PARTS, HYBRIDS & PACKAGING	4	452	65	--
PLASMA SCIENCE	4	328	34	--
POWER APPARATUS & SYSTEMS	6	1,996	221	--
PROFESSIONAL COMMUNICATION	4	276	68	--
QUANTUM ELECTRONICS	12	1,176	143	52
RELIABILITY	5	404*	97	12
SOFTWARE ENGINEERING	6	508	43	6
SOLID STATE CIRCUITS	6	744	87	43
SONICS & ULTRASONICS	6	458	48	5
SYSTEMS, MAN & CYBERNETICS	12	944	70	59
VEHICULAR TECHNOLOGY	4	400	55	--
<u>Totals</u>	<u>233</u>	<u>28,026</u>	<u>3,785</u>	<u>904</u>

\*Estimated: Final issue not published at time of report.

Table 3 - 1977 Nonmember Subscriptions to IEEE Periodicals  
(Date as of 12/31/77)

<u>Periodicals</u>	<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	1454	199	991	123	627	3394
PROCEEDINGS	1399	147	1630	139	901	4216
<u>TRANSACTIONS and JOURNALS</u>						
ACOUSTICS, SPEECH, & SIGNAL PROCESSING	736	77	643	48	389	1893
AEROSPACE & ELECTRONIC SYSTEMS	766	72	729	33	366	1966
ANTENNAS & PROPAGATION	781	80	767	78	451	2157
AUTOMATIC CONTROL	814	80	891	87	647	2519
BIOMEDICAL ENGINEERING	894	91	666	57	413	2121
BROADCASTING	608	69	423	37	301	1438
CABLE TELEVISION	577	61	342	22	245	1247
CIRCUITS & SYSTEMS	799	73	817	74	539	2302
COMMUNICATIONS	876	102	930	92	561	2561
COMPUTERS	1059	122	1228	103	667	3179
CONSUMER ELECTRONICS	645	64	505	43	362	1619
EDUCATION	619	64	420	50	314	1467
ELECTRICAL INSULATION	618	54	447	46	339	1504
ELECTROMAGNETIC COMPATIBILITY	640	63	462	37	281	1483
ELECTRON DEVICES	847	70	816	52	521	2306
ENGINEERING MANAGEMENT	744	79	486	50	333	1692
GEOSCIENCE ELECTRONICS	634	74	385	33	277	1403
INDUSTRIAL ELECTRONICS & CONTROL						
INSTRUMENTATION	666	78	541	79	429	1793
INDUSTRY APPLICATION	741	75	587	83	488	1974
INFORMATION THEORY	789	79	810	65	476	2219
INSTRUMENTATION & MEASUREMENT	818	89	773	91	533	2304
MAGNETICS	722	64	610	34	430	1860
MANUFACTURING TECHNOLOGY	559	50	306	21	236	1172
MICROWAVE THEORY & TECHNIQUES	779	76	842	67	449	2213
NUCLEAR SCIENCE	782	78	656	45	368	1929
OCEANIC ENGINEERING	620	61	338	27	251	1297
PARTS, HYBRIDS & PACKAGING	664	56	470	36	327	1553
PLASMA SCIENCE	606	56	384	24	269	1339
POWER APPARATUS & SYSTEMS	775	95	893	148	662	2573
PROFESSIONAL COMMUNICATION	642	65	364	32	269	1372
QUANTUM ELECTRONICS	830	70	736	39	392	2067
RELIABILITY	736	68	686	53	389	1932
SOFTWARE ENGINEERING	838	81	653	50	410	2032
SOLID STATE CIRCUITS	805	70	734	62	506	2177
SONICS & ULTRASONICS	690	64	499	36	313	1602
SYSTEMS, MAN & CYBERNETICS	766	82	624	56	479	2007
VEHICULAR TECHNOLOGY	615	64	416	33	292	1420
<u>Total TRANSACTIONS and JOURNALS</u>	27100	2716	22879	2023	14974	69692
<u>Magazines</u>						
COMMUNICATIONS SOCIETY MAGAZINE	583	51	314	26	239	1213
COMPUTER	1029	121	790	68	451	2459
ENGINEERING MANAGEMENT REVIEW	568	49	306	23	234	1180
"All" Group/Society Periodicals*	546	49	299	21	229	1144

\*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 12/31/77)

<u>Periodicals</u>	<u>Member</u>	<u>Nonmember</u>	<u>Total</u>
SPECTRUM	333	30	363
PROCEEDINGS	782	44	826
TRANSACTIONS and JOURNALS	4979	1874	6853
Magazines	<u>618</u>	<u>92</u>	<u>710</u>
<u>Totals</u>	6712	2040	8752