



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

REPORT OF THE SECRETARY

1966

REPORT OF THE SECRETARY - 1966

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

Gentlemen:

The Report of the Secretary for the year 1966 is presented herewith.

Membership has increased about 3.8% during the year. There was an increase in the number of Associates from 8 to 9 percent of the total. The number of Students dropped substantially owing to the automatic upgrading of Students to higher grade in the month of graduation. The transfers reported reflect this change. A 10% increase in Group members is noted for the second year in succession. Group Affiliate memberships increased from 510 to 719.

Attention is called to the 29,414 editorial pages published by the Institute during 1966, as against 29,187 in 1965.

Attendance at the 1966 International Convention was 63,650, up 9% over 1965.

The number of IEEE- and jointly-sponsored technical meetings went up to a total of 97, compared with 95 the previous year.

These data indicate a general growth trend with increased services to members and continued improvement in the effectiveness of the Headquarters management.

Respectfully submitted,

Clarence H. Linder  
Secretary, 1966

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1966 REPORT OF THE SECRETARY

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SECTION A

Table 1 - IEEE Membership by Grade, Percentage; 3-Year Comparison

Grade	December 31, 1964		December 31, 1965		December 31, 1966	
	Number	% of Total	Number	% of Total	Number	% of Total
Honorary (H)	8		6		5	
Fellow (F)	2,595	1	2,681	2	2,759	2
Senior Member (SM)	26,182	17	26,387	17	26,254	16
Member (M)	87,435	57	87,916	57	97,834	61
Associate (A)	13,682	9	12,949	8	14,114	9
Student (S)	24,076	16	24,259	16	19,104	12
Total	153,978	100	154,198	100	160,070	100

Table 2 - IEEE Membership by Region, Grade, Percentage; 3-Year Comparison

	H	F	SM	M	A	Student	Total	Percentage
Region 1	2	912	6,458	24,376	3,913	4,210	39,871	25
Region 2		523	5,120	16,499	2,019	2,351	26,512	17
Region 3		244	2,428	8,747	985	2,032	14,436	9
Region 4	1	244	2,889	10,569	1,652	2,983	18,338	11
Region 5	1	182	2,165	7,434	984	2,656	13,422	8
Region 6		449	4,875	20,977	2,358	2,752	31,411	20
Region 7		65	897	3,861	1,107	1,452	7,382	5
Region 8		106	768	2,238	538	288	3,938	2
Region 9		12	188	877	168	171	1,416	1
Region 10	1	18	403	1,595	300	192	2,509	1-1/2
U. S. Overseas								
Military		4	63	655	86	17	825	1/2
U. S. Possessions				6	4		10	
Total	5	2,759	26,254	97,834	14,114	19,104	160,070	100

	Dec. 31, 1964	Percentage	Dec. 31, 1965	Percentage	Dec. 31, 1966	Percentage
Region 1	39,005	25	38,522	25	39,871	25
Region 2	25,881	17	25,854	17	26,512	17
Region 3	13,564	9	13,999	9	14,436	9
Region 4	17,748	12	17,941	12	18,338	11
Region 5	12,896	8	12,982	8	13,422	8
Region 6	30,456	20	30,235	20	31,411	20
Region 7	6,597	4	6,825	4-1/2	7,382	5
Region 8	3,438	2	3,513	2	3,938	2
Region 9	3,575	2	3,579	2	1,416	1
Region 10	-				2,509	1-1/2
U. S. Overseas						
Military	818	1	736	1/2	825	1/2
U. S. Possessions	-		12		10	
Total	153,978	100	154,198	100	160,070	100

## SECTION B

Table 1 - IEEE Membership by Region, by Section and Subsection,  
by Grade, December 31, 1966

REGION 1								
Section	H	F	SM	M	A	Student	Subtotal	Section Total
Berkshire		30	142	277	20	12		481
Binghamton		2	86	544	73	63		768
Boston	1	140	960	4,009	505	454	6,069	7,209
Lynn		5	80	297	25	27	434	
Merrimack Valley		6	76	489	74	61	706	
Buffalo		9	233	607	95	96		1,040
Connecticut		27	192	850	126	165	1,360	2,823
Fairfield County		24	225	664	115	77	1,105	
New London		4	41	238	34	41	358	
Elmira-Corning		3	34	113	20	14		184
Ithaca		6	15	64	3	65		153
Long Island		75	645	2,687	422	215		4,044
Maine		9	37	146	22	75		289
Mid-Hudson		6	73	677	89	10	855	1,146
Catskill		1	14	229	40	7	291	
Mohawk Valley		7	63	376	49	20	515	677
St. Lawrence Int'l.		1	12	49	17	83	162	
New Hampshire		11	102	418	48	108		687
New Jersey Coast		45	240	992	112	52		1,441
New York	1	103	707	2,859	817	1,111	5,598	6,939
Westchester		32	258	801	153	97	1,341	
North Jersey		170	995	3,240	526	527		5,458
Princeton		55	237	834	108	155		1,389
Providence		2	84	294	38	105	523	743
Southeastern Mass.		9	29	91	37	54	220	
Rochester		4	152	751	122	80		1,109
Schenectady		75	322	461	44	150	1,052	1,202
Adirondack		8	40	69	14	19	150	
Springfield		5	39	112	33	78		267
Syracuse		30	237	812	84	50		1,213
Vermont		4	34	127	18	41		224
Worcester County		4	54	199	30	98		385
	2	912	6,458	24,376	3,913	4,210		39,871

## SECTION B

Table 1 - IEEE Membership by Region, by Section and Subsection,  
by Grade, December 31, 1966

Section	H	F	SM	M	A	Student	Subtotal	Section Total
Alabama		7	115	379	17	166		684
Atlanta		15	209	529	65	100	918	1,007
Macon-Warner Robins			12	27	6	1	46	
Rome			15	25	1	2	43	
Baton Rouge		2	24	84	3	78	191	290
Lafayette			4	39	3	53	99	
Canaveral		8	107	782	104	25		1,026
Central North Carolina			30	150	11	8		199
Central Virginia		12	70	269	18	72		441
Charlotte		9	89	166	31	17		312
Chattanooga		12	69	137	12	8		238
Daytona		4	45	147	22	1		219
Eastern North Carolina		16	67	339	39	141		602
East Tennessee		4	80	161	5	77	327	388
Upper East Tennessee		1	14	43	3		61	
Evansville-Owensboro		2	50	110	12	30	204	245
Paducah			3	29	6	3	41	
Florida West Coast		41	182	560	73	14		870
Fort Walton			10	81	12	3		106
Gainesville		4	27	113	13	86		243
Hampton Roads		4	39	302	44	33		422
Huntsville		3	87	775	66	12	943	976
Muscle Shoals			6	25	1	1	33	
Jacksonville			41	101	25			167
Lexington		2	19	135	5	54		215
Louisville		1	44	176	12	33		266
Memphis		2	63	124	24	170	383	428
Jackson			12	25	3	5	45	
Miami		28	133	331	62	44		598
Middle Tennessee			23	75	5	6		109
Mississippi		1	23	108	6	17	155	373
Northeast Mississippi		2	6	54	1	155	218	
Mobile			17	101	3	8		129
Nashville		5	55	143	16	194		413
New Orleans		7	117	421	45	68		658
Oak Ridge		1	35	84	5	7		132
Orlando		10	107	392	56	2		567
Palm Beach		15	40	122	22	1		200
Panama City		1	11	63	4	1		80
Pensacola		1	12	39	1	2		55
Richmond		3	51	186	18	3		261
Savannah			12	47	6	1		66
South Carolina			2	7	2	2	13	613
Central Savannah River			12	27	5	1	45	
Charleston			20	102	17	21	160	
Columbia		4	42	76	7	40	169	
Piedmont		2	21	96	8	99	226	
Virginia Mountain		7	83	191	24	161		466
Western North Carolina		7	27	56	6	1		97
Winston-Salem		1	46	193	30	5		275
		244	2,428	8,747	985	2,032		14,436

SECTION B

Table 1 - IEEE Membership by Region, by Section and Subsection, by Grade, December 31, 1966

REGION 5

Section	H	F	SM	M	A	Student	Subtotal	Section Total
Arkansas		4	46	121	18	12		201
Beaumont		4	35	110	17	111	277	325
Lake Charles			7	33	4	4	48	
Central Texas		16	93	304	37	208		658
Corpus Christi		4	32	59	10	54	159	188
Victoria-Port Lavaca			7	17	5		29	
Dallas	1	27	250	1,487	127	79	1,971	2,003
Waco			5	18	5	4	32	
Denver		26	296	948	83	310	1,663	1,940
Black Hills			4	28	1	54	87	
Pikes Peak		1	33	125	11	20	190	
El Paso		1	47	264	39	105		456
Fort Worth		5	74	315	53	62		509
Houston		12	234	1,018	143	267	1,674	1,717
Freeport			6	36		1	43	
Kansas City		13	201	432	116	161		923
Oklahoma City		10	122	276	32	80		520
Ozark			24	53	5	173		255
Panhandle		1	27	58	19	2		107
Permian Basin			5	39	8	1		53
St. Louis		41	329	1,104	121	535		2,130
Shreveport		2	76	97	32	75	282	326
Monroe			8	20	2	14	44	
South Plains			17	47	8	30		102
Tulsa		9	108	250	64	204		635
West Central Texas		1	16	35	5	2		59
Wichita		5	63	140	19	88		315
	<u>1</u>	<u>182</u>	<u>2,165</u>	<u>7,434</u>	<u>984</u>	<u>2,656</u>		<u>13,422</u>



## SECTION B

Table 1 - IEEE Membership by Region, by Section and Subsection,  
by Grade, December 31, 1966

## REGION 7

Section	H	F	SM	M	A	Student	Subtotal	Section Total
Bay of Quinte		3	36	127	17	77		260
Canadian Atlantic			16	122	19	32		189
Hamilton		1	49	169	63	72		354
Kitchener-Waterloo		1	15	57	30	27	130	173
Guelph			8	23	4	8	43	
London			14	92	33	28		167
Montreal		11	227	834	138	89		1,299
Niagara International		2	40	115	25	23		205
Northern Alberta			7	121	60	124		312
Ottawa		16	100	532	123	96		867
Quebec			19	88	8	29		144
Regina			4	65	24	63		156
St. Maurice		1	5	25	8	4		43
Southern Alberta			5	63	57	189		314
Toronto		20	196	855	292	250		1,613
Vancouver		7	123	365	124	239		858
Victoria		2	16	67	19	3		107
Winnipeg		1	17	141	63	99		321
		65	897	3,861	1,107	1,452		7,382

## REGION 8

Benelux		12	64	202	45	56		379
Egypt		2	13	47	8	3		73
France		15	80	171	58	1		325
Geneva		10	64	172	21	10		277
Israel		2	16	119	29	5		171
Middle & South Italy			15	99	32	49		195
North Italy		1	25	115	71	50		262
Norway		1	16	50	8			75
Sweden		7	25	130	52	14		228
U. Kingdom & Republic of Ireland		41	311	678	103	24		1,157
West Germany		10	63	130	25			228
		101	692	1,913	452	212		3,370

## REGION 9

Buenos Aires		3	24	122	31	32		212
Chile			5	36	7	1		49
Colombia			6	79	12	28		125
Mexico		5	54	188	23	28		298
Puerto Rico & Virgin Is.			21	135	15	64		235
Rio de Janeiro		2	14	37	7			60
Sao Paulo			6	37	13			56
		10	130	634	108	153		1,035

## REGION 10

Kanpur-India			1	9				10
Tokyo	1	11	116	407	108	137		780
	1	11	117	416	108	137		790

## SECTION B

Table 3 - Membership in Region 9, by Country, by Grade, December 31, 1966;  
3-Year Comparison

Country	H	F	SM	M	A	Student	12/31/66 Total	12/31/65 Total	12/31/64 Total
Bermuda								1	
Bolivia			1	8			9	12	8
Brazil			3	17	4	1	25	83	101
British Guiana			3	2	1		6	5	4
Costa Rica			3	8	2		13	11	13
Cuba			2	2			4	5	4
El Salvador		1		11			12	11	11
Ecuador			4	9			13	12	15
Guatemala			1	11	1		13	10	7
Haiti								1	
Honduras			1	2	1		4	1	1
Netherlands Antilles			1	4			5	6	5
Nicaragua				4	1		5	3	3
Panama			2	5	3		10	11	9
Paraguay									1
Peru			8	40	5	7	60	51	33
Uruguay				1	2		3	4	6
Venezuela		1	17	89	21	10	138	117	115
West Indies			12	30	19		61	46	63
	Total	2	58	243	60	18	381	390	399
Territory Assigned to IEEE Sections		10	130	634	108	153	1035	876	894
	Total	12	188	877	168	171	1416	1266	1293

## SECTION B

Table 5 - IEEE Section and Subsection Meetings - 1966

		S - Section Meetings			SS - Subsection Meetings			G - Group Chapter Meetings		
Section and Subsection	Meetings			Section and Subsection	Meetings					
	S	SS	G		S	SS	G			
Akron	5		9	Connecticut	7		12			
Alabama	9		4	Fairfield County		4				
(1) Alaska	5			New London		9				
Albuquerque	6		2	Corpus Christi	11		1			
Los Alamos-Sante Fe		1		Victoria-Port Lavaca		4				
Antelope Valley	4			Dallas	7		13			
Arkansas	9			Waco		0				
(2) Northwest Arkansas		3		Dayton	0					
Arrowhead	0			Daytona	7		2			
Atlanta	8		5	Delaware Bay	14		2			
(3) Macon-Warner Robins		2		Denver	5		16			
Rome		7		Black Hills		3				
Baltimore	7		31	Pikes Peak		5				
Annapolis		7		Eastern North Carolina	8					
Eastern Shore		8		East Tennessee	10		2			
Baton Rouge	9			Upper East Tennessee		0				
Lafayette		4		Egypt	11					
Bay of Quinte	6			Elmira-Corning	8					
Beaumont	6			El Paso	10					
Lake Charles		4		Emporium-Ridgway	8					
Benelux	0			Erie	14					
Berkshire	7			Evansville-Owensboro	9					
Binghamton	5		9	Paducah		7				
Boise	6			Florida West Coast	8		15			
Boston	3		59	Foothill	4		9			
Lynn		4		Fort Huachuca	10		1			
Merrimack Valley		7		Fort Walton	4					
Buenaventura	7		5	Fort Wayne	6					
Buenos Aires	0			Fort Worth	8		3			
Buffalo	4		10	France	4					
(4) Canadian Atlantic	1			Gainesville	9					
Canaveral	9		10	Geneva	1					
Canton	8			Hamilton	0					
Cedar Rapids	8			Hampton Roads	8					
Central Illinois	4			Hawaii	6					
Central Indiana	5		2	Houston	5		16			
Bloomington		5		Freeport		8				
Central Iowa	9			Huntsville	9		6			
Central North Carolina	7			Muscle Shoals		4				
Central Pennsylvania	4			Idaho	4					
Central Texas	8		13	Illinois Valley	9					
Central Virginia	5			Iowa-Illinois	5					
Charlotte	9		4	Burlington		10				
Chattanooga	8		5	Israel	1					
Chicago	7		35	Ithaca	7					
Calumet		6		Jacksonville	9					
Fox Valley		8		Johnstown	6					
Chile	1			Kanpur (India)	0					
China Lake	6			Kansas City	8					
Cincinnati	10		8	Kitchener-Waterloo	7		1			
Cleveland	8		10	Guelph		5				
Colombia	0			Las Vegas	2					
Columbus	5		14	Lehigh Valley	8					
(5) Cambridge		0		Lexington	7					
Chillicothe		2		Lima	12					
Zanesville		6		London (Canada)	5					

Section and Subsection	Meetings			Section and Subsection	Meetings		
	S	SS	G		S	SS	G
Twin Cities	5		22	Wenatchee			7
Red River Valley		6		West Central Texas			9
(11) United Kingdom & Republic of Ireland	6			Western North Carolina			8
Utah	3			West Germany			3
Vancouver	11		6	West Michigan			9
Vandenberg	4			West Virginia			10
Vermont	9			Wichita			0
Victoria	11			Winnipeg			5
Virginia Mountain	7			Winston-Salem			9
Washington	8		84	Worcester County			10
				Total	1223	286	1027
				Grand Total	2536		

- (1) Section name changed from Anchorage Section 5/23/66
- (2) Subsection elevated to full Section (Ozark) 4/20/66
- (3) Subsection established 2/15/66
- (4) Section established 7/20/66
- (5) Subsection dissolved 5/23/66
- (6) Section established 5/23/66
- (7) Section boundaries and name changed from Italy Section 5/23/66
- (8) Subsection dissolved 7/20/66
- (9) Section established 11/1/66
- (10) Subsection elevated to full Section 5/23/66
- (11) Section name changed from United Kingdom & Eire Section 11/1/66

A major activity of many Sections is the publication of a monthly Bulletin for the announcement of the local activities. Seventy-two IEEE Sections now issuing monthly publications are listed below:

<u>Section</u>	<u>Publication</u>	<u>Section</u>	<u>Publication</u>
Akron	"Akron Section Bulletin"	Mohawk Valley	"Echoes"
Albuquerque	"The Blast"	Montreal	"Current PHASE Courante"
Atlanta	"The Atlanta Circuit"	New Jersey Coast	"The Scanner"
Baltimore	"The Speaker"	New York	"The Monitor"
Binghamton	"Pulse"	North Carolina Affili-	"IEEE Bulletin"
Boston	"The Reflector"	ation of Sections:	
Buenos Aires	"Boletin"	Central N. C.	
Canaveral	"Indian River Engineer"	Charlotte	
Central Indiana	"The Reporter"	Eastern N. C.	
Central Pennsylvania	"Newsletter"	Western N. C.	
Central Texas	"The Analog"	Winston-Salem	
Chicago	"IEEE Scanfax"	North Jersey	"The IEEE Newsletter"
Cincinnati	"IEEE Cincinnati Section News"	Orlando	"Orlando Section Notes"
Cleveland	"Cleveland Section News"	Ottawa	"Ottawa Section Bulletin"
Connecticut	"The CONNector"	Philadelphia	"Almanack"
Dallas	"Direction"	Pittsburgh	"IEEE Bulletin"
Dayton	"Wave Guide"	Portland	"The BEEEP"
Delaware Bay	"Newsletter"	Princeton	"The P. S. "
Emporium-Ridgway	"IEEE News Letter"	Saint Louis	"The Mighty MHO"
Evansville-Owensboro	"The Transmitter"	San Diego	"San Diego Section Bulletin"
Florida West Coast	"Suncoast Signal"	San Francisco	"IEEE Grid"
Fort Walton	"The Courier"	Schenectady	"IEEE News Bulletin"
Fort Wayne	"The Announcer"	Seattle	"Data Link"
Houston	"The Scope"	South Bend	"The Nucleus"
Huntsville	"The Live Wire"	South Carolina	"Southern Corona"
Lehigh Valley	"Newsletter"	Southeastern Michigan	"IEEE News"
Long Island	"The Pulse"	Syracuse	"Syracuse Scanner"
Los Angeles Council:	"IEEE Bulletin"	Tokyo	"Denshi Tokyo"
Antelope Valley		Twin Cities	"Radiator"
Buenaventura		United Kingdom and	"Newsletter"
China Lake		Republic of Ireland	
Foothill		Virginia Sections:	"Virginia Vector"
Met. Los Angeles		Central Virginia	
Orange County		Hampton Roads	
San Fernando Valley		Richmond	
San Gabriel Valley		Virginia Mountain	
Santa Barbara		Washington	"The Washington Bulletin"
Santa Monica Bay		Worcester County	"Newsletter"
South Bay Harbor			
Vandenberg			

provide their employees with publications and conference attendance support, thus removing one of the incentives for professional society membership and the lower rates reserved for members. The dues increase is another factor against membership growth. On the other hand, for one active in a particular field, membership in IEEE and one or more Groups has distinct personal advantages. All these factors appear to be roughly balanced but somewhat favoring Group membership and as 1966 closes, the total IEEE Group memberships of 127,000 shows a strong and healthy situation.

5. Organization. Several organizational changes have been adopted in 1966. With the conversion to a consolidated billing on January 1 each year, the significance of the July 1 date to Group administration and operations largely disappeared. Accordingly, it was voted by TAB to shift all Group administrative years to coincide with the IEEE administrative and fiscal year, which is the calendar year. This transition is to become effective on January 1, 1968.

As a consequence of action initiated in 1965, all of the active Technical Committees (Standards) were merged into appropriate Groups during 1966. The two TC(S)'s not involved in mergers will be terminated, unless detailed investigation reveals that failure to merge within the deadline was for some sufficient reason other than inactivity.

At the request of the IEEE Executive Committee, TAB OpCom drafted revisions for the bylaws pertaining to the General Committees. In the course of the preparatory work, a merger was made between the Basic Sciences Committee and the New Technical Activities Committee to form a single New Technical Scientific Activities Committee. The Executive Committee, in accepting this report, requested a review of all General Committee roles and missions and performances.

Jointly with the IEEE Sections Committee, TAB established an ad hoc committee to review and recommend steps to clarify and improve the Group/Chapter/Section relationship. The ad hoc committee very early concluded that the appropriate Group should be brought into the approval cycle on the establishment of a new Chapter. Other aspects of the relationship problem continue under study.

The biomedical field has received special attention from the IEEE Directors and TAB OpCom has joined in the effort to provide a better organizational arrangement. The affiliate plan has not been as successful as originally hoped, to bridge the interdis-

iplinary interests in the biomedical field. A few Groups in other fields appear to have gained from the affiliate plan, and an ad hoc committee has been established to review the plan and recommend how it might be improved.

5. Finances. As a part of a thorough examination of IEEE finances by the Directors, TAB focussed on the two categories of support of technical activities: the funds managed by the Group; and the funds managed by IEEE, including both direct cash support of Group printing and the indirect (so-called invisible) support of Group and other technical activities. For the first time, detailed information for both categories of support was assembled and made available to the Directors and Group officers.

The detailed study of Group finances strongly suggested that a few Groups will have very serious problems unless sources of support in addition to Group fees may be found. TAB supported a Publications Board recommendation that display advertisement in Group publications be considered under prescribed circumstances. TAB was sharply divided, and balanced, on the question of page charges. The need to publish more pages at less cost will receive further attention, with the advent of new publication procedures.

6. Long Range Planning. In March, 1966, TAB OpCom met for two days with especially invited representatives from other IEEE areas, to review the progress that had been made since 1963 in developing a unified IEEE technical activities program and supporting organization, and to outline steps that needed to be taken.

A direct consequence of the meeting was the establishment of five TAB Standing Committees, each represented by a sub-heading of the above report. The TAB Finance Committee did an outstanding job under unusual pressures of time and total budgetary planning limitations. The other committees initiated measures that will bear fruit in the next and succeeding years.

The Long Range Planning Committee set for itself the task of projecting the IEEE technical activities to a 1986 baseline. The Committee recognized that long range planning became pure fantasy if the known factors are exceeded by and masked by the unknown factors. Nonetheless, the Committee did venture to suggest that solid state and microelectronic developments would produce economic pressures for the acceptance of complex devices in applications now reserved for human perception and action. In particular, computers of varying degrees of simplicity will find their way into almost all forms of human activity; computer applications may become as commonplace as the electric motor is today.

SECTION C - Table 1 Continued

1966 Group Transactions - Number of Published Pages

Group	Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Total Pages	Total # Issues
1-A&E			60			52			56			48	216	4
2-B						52							52	1
3-AP	124		144		160		112		156		148		844	6
4-CT			132			120			116			124	492	4
5-NS		779		100		612		536		68		360	2455	6
6-VC			84							76			160	2
7-R					56			40				66	162	3
8-BTR				68	112		184				100	65	529	5
9-IM						80			68			260	408	3
10-AES	144		104		136		140		124		116		764	6
12-IT	88			204			136			80			508	4
13-IECI				124									124	1
14-EM			76			60			36			56	228	4
15-ED	228	84	100	64	68	28	76		76	52	84	184	1044	11
16-C		160		152		124		300		140		132	1008	6
17-MTT	60	52	70	56	40	52	56	52	44	64	84	140	770	12
18-EMB	56			64			60			60			240	4
19-COM		88		120		172		188		136		224	928	6
0-SU			36				52	36		32			156	4
21-PMP						52			36			44	132	3
23-AC	160			188			304			116			768	4
25-E			52			88			52			56	248	4
26-EWS							32					28	60	2
27-EMC			72			60			56			48	236	4
28-HFE			68			48			28			68	212	4
29-GE						44							44	1
31-P	108	112	134	112	144	156	132	112	104	116	96	104	1430	12
32-EI													0	0
33-Mag			72			80			540			128	820	4
34-IGA		100		76		88		84		108		84	540	6
35-SSC								76				88	164	2
Total	968	1375	1204	1328	716	1968	1284	1424	1492	1048	628	2307	15742	138
JQE	24	36	24	92	24	52	36	152	384	36	52	28	940	12
JSSC									76			68	144	2
	992	1411	1228	1420	740	2020	1320	1576	1952	1084	680	2403	16826	152



## SECTION C

Table 2 - IEEE Group Membership, December 31, 1966; 4-year Comparison

Group No.	Group Name	1966			1966 Total	1965 Total	1964 Total	1963 Total
		Student Discount	Students Regular	Other Members				
1	Audio and Electroacoustics	199	216	3,877	4,302	4,230	4,054	4,308
2	Broadcasting	95	62	1,598	1,755	1,592	1,492	1,474
3	Antennas and Propagation	420	26	4,159	4,605	4,256	3,864	4,096
4	Circuit Theory	780	208	6,032	7,020	6,636	6,085	7,047
5	Nuclear Science	111	95	1,975	2,181	1,939	1,761	1,706
6	Vehicular Communications	28	23	1,860	1,911	1,705	1,579	1,577
7	Reliability	13	16	2,573	2,602	2,431	2,264	2,286
8	Broadcast and Television Receivers	111	45	1,887	2,043	1,835	1,770	1,760
9	Instrumentation and Measurement	52	89	4,509	4,650	4,488	4,143	4,067
10	Aerospace and Electronic Systems	569	119	9,333	10,021	10,397	13,415	14,106
12	Information Theory	201	140	3,965	4,306	4,031	3,896	3,900
13	Industrial Electronics and Control Instrumentation	73	103	194	3,370	3,059	2,655	1,927
14	Engineering Management	267	51	5,473	5,791	5,453	5,449	4,847
(1)15	Electron Devices	1,142	66	5,466	6,674	5,558	4,852	5,269
16	Computer	1,203	232	9,701	11,136	9,999	9,254	9,745
(2)17	Microwave Theory and Techniques	241	190	5,399	5,830	5,527	5,290	5,871
18	Engineering in Medicine and Biology	357	130	3,309	3,796	3,517	3,163	3,005
19	Communication Technology	455	146	6,652	7,253	6,448	5,392	4,832
20	Sonics and Ultrasonics	22	21	1,133	1,176	1,139	1,064	956
21	Parts, Materials and Packaging	16	17	2,493	2,526	2,738	3,362	3,319
23	Automatic Control	770	73	5,031	5,874	5,189	4,608	4,472
25	Education	22	32	1,576	1,630	1,368	1,238	1,075
26	Engineering Writing and Speech	35	67	1,965	2,067	1,920	1,737	1,737
27	Electromagnetic Compatibility	8	13	1,666	1,687	1,638	1,424	1,379
28	Human Factors in Electronics	16	31	889	936	788	710	795
29	Geoscience Electronics	38	49	1,371	1,458	1,278	1,168	800
31	Power	555	34	10,231	10,820	9,391	7,108	-----
32	Electrical Insulation	3	2	980	985	851	645	-----
33	Magnetics	42	19	1,696	1,757	1,434	193	-----
34	Industry and General Applications	102	22	3,454	3,578	2,609	913	-----
35	Systems Science and Cybernetics	111	234	2,573	2,918	1,524	-----	-----
		<u>8,057</u>	<u>2,571</u>	<u>116,030</u>	<u>126,658</u>	<u>114,968</u>	<u>104,557</u>	<u>96,356</u>
(1)	Quantum Electronics	73	64	1,356	1,493	1,238		
(2)	Quantum Electronics	42	17	577	636	608		
		<u>115</u>	<u>81</u>	<u>1,933</u>	<u>2,129</u>	<u>1,846</u>		

8,173, or 43% of the Student members are enrolled in Groups.  
59,510, or 42% of members other than Students are enrolled in Groups.



## SECTION C

TABLE 4 - 1966 IEEE GROUP MEMBERSHIP, BY GROUP, BY REGION, BY SECTION

## REGION 1

Section	Total Affiliates	Total Group Members	AU G-1	BC G-2	AP G-3	CT G-4	NS G-5	VC G-6	R G-7	BTR G-8	IM G-9	AES G-10	IT G-12	IECI G-13	EM G-14	ED G-15	C G-16	MTT G-17	EMB G-18	Com Tech G-19	SU G-20	PMP G-21	AC G-23	E G-25	EWS G-26	BMC G-27	HFE G-28	GE G-29	P G-31	LI G-32	MAG G-33	IGA G-34	SSC G-35
Berkshire	1	273	4		1	21	3		7	3	10	10	2	6	16	18	21	1	3	2	3	17	11		6	8		1	60	10	7	4	8
Binghamton	2	526	15	4	10	32	5	3	38	7	14	52	11	8	33	29	93	13	13	10	4	12	32	4	6	17	2	2	22	2	12	6	13
Boston	39	6130	161	35	271	371	83	41	130	50	269	520	355	133	291	362	640	393	214	318	52	121	255	66	69	55	68	97	314	30	91	88	148
Lynn	1	256	6		5	16	2	2	9	2	11	16	7	7	14	27	18	17	5	14	2	5	14	2	6	3	1	1	23	5	4	8	3
Merrimack Valley		577	21	5	28	52	8	7	12	11	21	55	15	9	27	41	33	60	8	50	2	11	21	7	9	3	5	5	27	1	5	4	14
Buffalo	5	845	17	13	36	32	4	9	19	14	20	76	50	25	28	12	42	44	22	53	4	7	70	7	26	6	10	4	72	12	13	72	24
Connecticut	8	952	39	10	14	42	29	10	17	10	55	37	26	53	38	40	71	19	37	38	13	17	23	11	9	13	5	11	110	14	16	58	17
Fairfield County	11	934	40	22	20	57	14	9	31	18	35	56	19	31	50	57	77	36	33	52	21	33	28	11	11	15	15	15	47	7	14	31	18
New London	2	225	15	2	10	10	9	1	6	1	13	10	15	4	16	7	12	2	5	9	6	2	20	3	4	2	4	3	16	4		3	9
Elmira-Corning	2	137	2	2	1	2	4	3	1	6	3	6	1	8	7	21	12	9	5	3	1	8	5	1	4	1	1	1	3	2	2	7	3
Ithaca	4	193	2	2	6	22	2		1	1	1	5	22	2	3	31	21	8	9	6			16	4		1	2		7		1	3	11
Long Island	18	3595	111	34	192	188	61	38	116	53	101	459	142	69	197	130	307	322	114	177	39	87	134	37	60	52	31	28	118	15	34	47	84
Maine		182	11	5	5	7	3	6	4	2	8	8	4	8	6	12	8	8	6	8	2	2	7	2	1		1	2	34	1	1	8	2
Mid-Hudson	6	544	10	2	2	31	2	4	15	2	19	5	17	7	32	70	169	4	8	10	2	25	11	7	5		1	3	33		21	2	19
Catskill	2	158	4	2	1	6	3		1	4	3	1	3	6	8	7	44	3	1	6	1	7	3	3	3	9	1		9	1	9	3	4
Mohawk Valley		350	4	3	24	17	3	1	20	4	7	46	12	1	27	15	30	19	4	36		6	13	3	10	22	3	3	9			4	4
St. Lawrence Internat'l		76	2			5	1		1			3	2		5	8	6	4	1	4	2	2	6	4	1			1	13		1	1	3
New Hampshire	1	503	14	2	44	41	3	5	5	5	30	45	14	8	26	11	32	45	15	41	5	9	13	8	9	8	3	11	27	5	4	6	8
New Jersey Coast	6	1315	31	12	58	78	12	30	25	16	32	87	66	15	49	81	133	79	23	224	10	29	23	14	23	41	18	9	15	8	13	8	47
New York	35	4366	183	99	132	303	81	38	67	101	120	276	165	96	152	209	433	207	195	327	43	72	173	57	72	47	42	40	304	35	35	105	122
Westchester	7	1302	59	30	27	67	16	18	22	27	52	82	42	38	80	59	163	49	58	86	15	31	39	14	19	11	8	19	68	12	19	35	30
North Jersey	24	4250	137	45	113	246	49	60	102	79	177	304	132	145	189	251	350	226	114	328	35	106	168	34	75	45	27	35	319	48	78	119	90
Princeton	8	1136	33	15	27	67	22	15	19	36	37	67	47	20	39	139	119	54	31	55	11	26	38	12	24	8	3	9	51	12	48	22	22
Providence	1	356	13	3	11	20	3	5	10	8	13	19	22	10	13	23	19	9	9	19	14	9	21	5	5	2	7	11	28	6	3	5	10
Southeastern Mass.		118	3	1	1	5	1	1	4	6	7	1	8	5	5	7			5	4	2	8	6	3	4	3	1	5	10	4	1	6	1
Rochester	7	781	32	7	17	44	11	12	16	17	36	46	35	26	38	35	59	23	44	61	12	27	35	9	13	6	7	5	50	6	8	19	18
Schenectady	4	861	15	11	16	29	21	7	8	7	28	26	18	29	27	70	44	42	20	25	6	10	56	18	7	10	3	7	165	16	14	74	28
Adirondack		108	2	1	1	2	3	2	2	1	4	3	5	6	3	5	6	2	2	6		1	6	1	1		1	1	22	5	1	10	3
Springfield		136	6	6	3	6	1	1		6	3	6		2	9	10	11	5	5	4		2	10	5	2	1	1		20	3	2	5	1
Syracuse	4	1100	32	19	69	74	3	10	23	37	24	100	82	8	61	89	97	72	19	36	8	25	32	21	13	6	6	5	45	4	3	35	38
Vermont	1	128	3	3	1	3		1	7	1	9	6	2	6	1	7	11	3	16	4	3	1	4	3	1				13		13	3	2
Worcester County	3	230	10	5	5	12	3	3	1	4	8	12	5	7	10	17	20	7	11	10	2	3	9	7	5	5	1	2	30	2	2	5	4
Totals	202	32,643	1037	400	1151	1908	465	342	737	539	1170	2454	1346	798	1500	1900	3100	1785	1055	2026	320	721	1344	383	503	400	278	336	2084	270	475	806	808

SECTION C

TABLE 4 - 1966 IEEE GROUP MEMBERSHIP, BY GROUP, BY REGION, BY SECTION

REGION 3	Tot-1	Total	Au	HC	AP	CT	NS	VC	R	BTR	IM	AES	IT	IECI	HM	ED	C	MTT	EMB	Con	SU	FMP	AC	E	BWS	EMC	HFE	GE	P	EI	MAG	IGA	SSC	
Section	lates	Members	G-1	G-2	G-3	G-4	G-5	G-6	G-7	G-8	G-9	G-10	G-12	G-13	G-14	G-15	G-16	G-17	G-18	G-19	G-20	G-21	G-23	G-25	G-26	G-27	G-28	G-29	G-31	G-32	G-33	G-34	G-35	
Alabama	1	335	5	3	12	19	1	2	2	4	9	14	2	10	9	10	25	16	9	29	1		23	9	22		3	2	78	1	4	10		
Atlanta	4	616	25	17	29	36	3	10	5	8	20	47	18	11	21	16	35	19	14	81	4	3	34	9	9	15	2	6	73	2	5	25	10	
Macon-Warner Robins		14																					1	1					8	2		2		
Rome		19				2	1					3			1	1	1		1	3					1			1	1		1	2		
Baton Rouge	1	110	4	1	1	6	1				5	8	3	4	5	9	4	1	3	6			3	4	2			1	20		1	14	3	
Lafayette		29	1	3	2	1		1			1	1			1	2	1		1	1			1	1	1			2	5	1		2		
Canaveral		593	10	2	33	25	4	3	24	3	25	144	24	7	36	11	47	20	14	47	1	6	17	3	16	16	6	11	27	1		2	8	
Central North Carolina		75	4	2	4	4	1	2	3		3	8	1		4	2	7	12	1	3	1			2	4							4	1	
Central Virginia		363	12	4	6	17	4	35	9	5	10	20	5	19	17	20	21	14	14	27	2	14	14	4	9	9	2	6	23	1	3	13	4	
Charlotte		124	7	5	1	4		2			4	1	1	6	2	2	3	4	3	8		1	2	1	2		1	1	47	4		12		
Chattanooga	1	121	1	3	2	1		4			1	1		1	2	2	3	2	1	17				1					72	1	1	4		
Daytona	2	182	1		2	5	1		15		5	22	1	5	13	5	40	5	4	11			2	11	2	1	4	1	2	9	1		12	
Eastern North Carolina	3	412	12	9	18	23	5	6	7	4	13	21	14	10	10	31	43	24	18	42	1	11	10	8	5	1	2	4	24	3	14	6	10	
East Tennessee		183	4	2	5	8	5	1		1	4	9	1	5	5	6	11	2	6	20	1		12	1	4		1		61	1		6	1	
Upper East Tennessee		36	4		1	4		1		3	2	3	1	2		1	1	1		2				1				3	2		3	1		
Evansville-Owensboro		91	3	3	3	2	1	2	5	6	2	4		3	9	5	6	4		2			4	5	1	5			14			2		
Paducah		12			1							1		2	1		1												5			1		
Florida West Coast	2	541	16	10	8	26	7	13	19	3	11	51	9	7	33	22	31	52	7	26	3	12	18	4	6	16	5	7	83	4	7	17	6	
Fort Walton		48	2		1	2			1	1	1	10	1		4	2	2	3	4	4			1	1	3	1		1	3					
Gainesville		199	9	1	2	13	1		4	1	2	15	7	1	4	32	23	10	13	10			1	18	7	1	1		11		2	1	9	
Hampton Roads	4	239	10	3	11	8	10	2	8	6	13	34	4	7	9	11	9	11	5	10	3	1	11	4	13	3		2	15		1	6	5	
Huntsville	4	605	18	5	27	21	9	4	34	5	39	106	15	6	40	17	55	28	6	23	4	10	59	2	14	19	2	4	9	1	2	4	13	
Muscle Shoals		2																			1													1
Jacksonville		62	1		1	2	1	3	1		2	1		2	2		2		1	9			1	1	1	1			17	1	1	9	2	
Lexington		110	7		2	6	1	1		3		3	2	6	5	14	14	1	3	10			4	3	2	3	2	1	5		2	9	1	
Louisville		113	6	3	4	4	1	3			3	1		8	4	5	6	4	3	9	1	2	5	2	2	2		20		3	11	1		
Memphis	8	145	4	1	1	2		1	1	2	2	4		2	4	8	6	10	6				9	3	1	1		61		1	3	2		
Jackson	2	17						2			1	1			1		1		1	2								5				1		
Miami		310	16	5	6	9	2	8	5	5	12	23	5	11	11	11	22	3	17	10	7	5	7	4	6	1	2	11	75	3	1	7		
Middle Tennessee		66				3					6	22	1	1	2	2			3	1	1		4		2			14				4		
Mississippi		57	2	1		3	1	1		5	2	2	2	2			1		6	6			1		1	2		2	16			1		
Northeast Mississippi		85	1		4	6	1	1		1		3		1	2	4	17	5	2	5			16	1	1			13					1	
Mobile		32	2	1	1			1		1	2	3		4	3				1	1			1	1				6				4		
Nashville		174	8	9	5	15	2	2	1		3	9	5	3	3	9	14	13	7	12	2	3	15	2	1		2	2	14		2	5	6	
New Orleans	4	371	9	5	13	15	4	7	3	4	16	31	4	11	20	6	21	5	12	41	1	1	11	3	5	8	2	2	84	2	1	12	8	

Cont'd

## SECTION C

TABLE 4 - 1966 IEEE GROUP MEMBERSHIP, BY GROUP, BY REGION, BY SECTION

REGION	Total Affiliates	Total Group Members	Au G-1	BC G-2	AP G-3	CT G-4	NS G-5	VC G-6	R G-7	BTR G-8	IM G-9	AES G-10	IT G-12	IECI G-13	EM G-14	ED G-15	C G-16	MTT G-17	EM3 G-18	Com Tech G-19	SU G-20	FMP G-21	AC G-23	E G-25	DWS G-26	HMC G-27	HFE G-28	GE G-29	P G-31	EI G-32	MAG G-33	IGA G-34	SSC G-35		
Arrowhead		39	3					2				1		4	2		5		1	1	1		1									12		5	1
Cedar Rapids	1	335	11	4	20	25	2	5	8	4	9	33	12	6	19	14	36	23	15	25	1	4	12	6	12	2	1	1	17			1	3	3	
Central Illinois	7	512	15	9	34	36	4	5	7	4	11	16	23	5	17	35	67	31	14	17	5	5	23	17	4	3	3	6	53	1	5	10	20		
Central Indiana	5	738	34	4	16	50	5	8	9	36	19	32	38	10	31	52	47	17	24	38	2	8	63	24	10	4	4	2	77	5	18	21	25		
Bloomington		63	7	4		7	1	3	1	6	4	2		2	4		3	1	1	1		2	1		1			6	1	2	1	2			
Central Iowa	3	215	10	5	9	13	6	1		4	2	7	5	1	5	12	22	8	10	6		1	16	11	3	1	1	1	30		8	8	6		
Chicago	23	3271	168	33	67	167	65	116	62	171	110	107	65	111	250	111	207	92	95	184	30	88	114	31	48	51	17	13	402	32	48	142	51		
Calumet		86	3	4	4	3		1		1	2	9		8	2	7	5	2		3			6		1				14	1	1	8	1		
Fox Valley	2	617	31	5	9	28	24	28	14	23	12	22	6	16	43	23	82	7	11	55	8	9	12	4	13	5	2	2	88	4	9	12	8		
Fort Wayne	1	274	15	5	4	18	3	8	6	15	7	18	2	8	22	11	19	10	11	15		6	5	2	2		1	29	13	8	7	3			
Illinois Valley	3	107	3	1	1	2			2	5	3	4	3	6	7	5	10	3	4		1	2	4	2	4	1	1		15	2	2	10	1		
Iowa-Illinois		108	1	1	1	7	2		1		4	6	2	5	3	3	6	2	3	2			5	1	4		1	1	36	1	2	7	1		
Burlington		2								1																			1						
Madison	2	350	10	5	14	36	6		2	9	11	8	10	9	4	27	44	13	11	14		3	31	16	1		2	2	40	1	2	10	7		
Milwaukee	2	903	25	14	5	36	11	7	16	11	38	42	6	40	54	42	61	25	37	20	5	24	74	13	13	6	4		134	16	25	81	16		
Racine-Kenosha		57	2		1	2	1	1	2	3	1	2		6	4	4	2		1	2		1	8	1	2			6	1	3	3	1			
Nebraska		378	13	13	10	18	10	11	3	11	9	18	5	9	12	16	22	3	23	21	5	9	11	4	6	5		2	95			7	7		
Northeast Michigan	1	111	6	1	1	4	6	1	3		9	5		8	2	6	5	2	2	2	3	3	4	3	1	1	1		13	4	1	11	2		
Northeastern Wisconsin		108	11	5	1	5	2	4	1	3		7	1	2	5	7	8		1	2	1	2	7	4					25			6	2		
Rock River Valley	1	164	9	2	1	7	2	1	2	1	9	5	1	19	10	6	13	1	2	6	2	6	10		2	2	3	1	21	2	3	13	1		
Siouxland		36	2	7		2	1	1		1	2						1	1	1	2				1					13			1			
South Bend	3	320	29	11	5	21	10	3	6	5	4	19	14	13	18	23	20	9	4	16	2	7	22	5	9	1	1	2	14	2	4	12	6		
Southeastern Michigan	10	2175	54	25	102	138	22	54	18	18	75	98	94	75	76	115	197	99	70	96	12	19	126	39	25	14	11	16	277	10	26	107	57		
Southern Minnesota	2	115	5	3		7	2	7	3	3	3		3	2	7	5	24		14	3		6	3			1	1		5		1	2	3		
Toledo		193	12	1	2	7		1	2	2	10	4	3	20	11	7	13	3	6	6	5	6	20	2	4	1	2	2	21	4	1	10	5		
Twin Cities	14	1476	46	21	11	82	17	20	28	7	46	86	32	37	81	80	282	16	56	68	9	36	89	18	29	8	11	3	114	13	54	23	39		
Red River Valley		82	4	3	3	6		2	2	1	1	3	3	1	4	3	9	1	4	2			5	1	3	1		2	13	1		2	2		
West Michigan	2	152	8	3	1	8	1	3	4		4	9	2	6	10	8	15	3	5	3		3	7	4	4	1	2		16	3	3	9	5		
	82	12,987	537	189	322	735	203	293	202	345	405	563	330	429	703	619	1225	372	426	610	92	250	679	209	201	108	68	57	1587	117	227	527	275		

## SECTION C

TABLE 4 - 1966 IEEE GROUP MEMBERS BY GROUP, BY REGION, BY SECTION

REGION 6	Total Affiliates	Total Group Members	Au G-1	BC G-2	AP G-3	CT G-4	NS G-5	VC G-6	R G-7	BTR G-8	IM G-9	AES G-10	IT G-12	IECI G-13	EM G-14	ED G-15	C G-16	MTT G-17	EMB G-18	Com Tech G-19	SU G-20	FMP G-21	AC G-23	E G-25	EWS G-26	EMC G-27	HFE G-28	GE G-29	P G-31	KI G-32	MAG G-33	IGA G-34	SSC G-35		
Alamogordo-Tolloman	2	61	1		5	1	1	1	3		3	14		1	6		7	2	2	2	1		3		4	1								1	
Alaska		90	4	1	3	3	1	1		1	1	11	1	2	4	3	5	5		7	1	1	2	2	3	1		3	17	2	1	2	2		
Albuquerque	4	364	16	3	18	22	26	4	12	1	25	23	17	6	14	33	18	12	13	9	6	8	11	6	5	5	4	3	15		6	2	17		
Los Alamos-Santa Fe	1	102	4		2	6	36				8	3	1	2		7	14	2	1	3		1	5		1			3	1				1		
Antelope Valley		25	2		1	3					1	6					4	1	1	1			3			1			1						
Boise		25				1		2								1	1			2						1				17					
Buenaventura		288	13		7	14	9	1	8	3	11	40	9	5	30	18	29	12	7	7	3	8	11	3	9	7	4	6	4	2	2	1	5		
China Lake	1	83	3	2	4	9	1	1	4		4	19	1	1	4	1	4	11		2	1	1	5		1				2				1		
Foothill	4	837	21	8	39	44	8	9	25	9	36	105	36	22	61	26	74	42	17	38	8	15	52	15	17	8	3	11	41	4	8	15	16		
Fort Huachuca	1	58	3	2			1	1	1		2	20			2	1	5	2		7			1	1	2	5							1		
Hawaii	1	258	6	1	16	11	3	1	2		12	19	10	4	11	2	22	9	4	30	4		7	4	14	9	3	11	27	2	1	6	6		
Idaho	1	48	2			15	1				6	2		4	1	1	1		1	1			3	1	1			1	2	1			2	1	
Las Vegas		104	3		7	2	12	2	1	1	7	7	2	4	2	5	2	5	3	9		2	3	1	4	1		2	12	1			2	2	
Met. Los Angeles	5	1182	42	14	36	66	16	32	15	14	35	90	43	16	36	61	128	52	37	43	9	20	60	11	27	12	9	8	154	9	19	28	35		
Montana		1															1																		
Billings		12									1				1					1					1				1	7					
Butte		13	2			1									1					1	1		1	1					3			1	1		
Helena		80	2		3	7			1	1	1	7	2	2	2	4	11	1	5	2	1	1	7	3	2	1		3	2		1	2	6		
Orange County	12	2654	67	13	90	152	36	22	77	27	120	373	93	51	163	130	364	119	68	110	20	61	159	14	40	28	25	38	47	7	37	22	69		
Phoenix	6	1110	27	9	33	78	8	14	22	15	28	91	33	20	38	85	173	67	23	53	7	21	54	9	15	11	5	6	99	5	21	13	21		
Portland	3	529	25	4	5	17	9	8	6	1	41	4	7	22	21	22	14	11	16	11	3	6	16	5	19	11	2	2	185	9	6	14	4		
Eugene	1	116	3	4	2	13	2	1		1	2	3	4	6	18	3	4	2					7	8	1	1	1	1	17	1	3	4	3		
Richland	1	54	1	2	1	1	9		3		3	2		4	2		1		3	2	1		1					11	1			5			
Walla Walla		16					2										2			1				1	1			8				1			
Sacramento	1	324	10	5	8	15	11	12	5	1	16	13	5	8	16	13	29	6	12	26		2	21	6	9	4		2	50	1		12	5		
Reno		49	1		1	6	2	2		2			1	3	1	3	4	1	2	4			1		1			1	9		1	3			
San Joaquin		20		1			1	2	1	1	2					1	2		1	2	1	1		1	1			1				1			
Shasta		54	4	4	1	3	1	3		2	1	3		3	1	2	2		3	1		1	1	2	1		1	1	8		1	3	1		
San Diego	4	961	35	5	57	47	17	9	27	10	46	121	41	12	37	31	92	64	34	58	17	20	46	6	12	17	7	15	37	3	9	7	19		
San Fernando Valley	12	2270	72	28	108	101	36	31	70	32	82	300	75	38	112	77	275	135	62	85	22	60	104	18	34	40	27	31	58	12	37	30	66		
San Francisco	9	1675	68	31	57	90	26	44	11	18	47	105	55	36	91	107	91	96	47	117	16	22	52	19	37	25	10	19	205	11	30	52	31		
East Bay	12	1169	41	13	26	69	92	7	12	12	55	41	31	33	42	80	124	33	46	35	7	16	73	13	16	8	9	7	117	6	16	47	30		
Santa Clara Valley	23	4312	134	25	166	276	86	43	91	60	169	400	174	78	200	416	438	341	117	204	20	93	216	44	60	44	21	54	77	6	69	44	123		
San Gabriel Valley	9	1088	42	12	45	43	27	13	27	11	69	115	48	26	46	53	85	48	38	60	12	25	39	9	15	14	4	28	59	7	20	20	19		
Santa Barbara	1	441	18	4	22	30	15	5	3	6	19	41	25	11	13	26	36	29	15	16	4	8	21	7	4	7	5	10	13	2	8	4	13		
Santa Monica Bay	23	1982	51	10	74	106	32	17	46	22	67	235	103	34	90	109	228	101	66	94	13	47	132	17	27	34	31	28	29	6	30	15	65		
Seattle	5	1482	50	15	95	85	23	14	18	10	58	180	53	22	80	58	113	56	46	81	13	21	97	17	30	41	12	15	90	8	9	29	38		
Tacoma		46	6	1	1	1		2		1	1	2	1	2	2		1	1			1		3		1			16				3			
South Bay Harbor	6	1804	61	11	64	106	18	18	42	23	52	272	83	33	77	88	201	91	35	86	8	42	134	14	27	30	17	21	29	4	45	26	40		
Spokane	1	166	4	5	4	9	3	8		4	3	6	2	3	8	10	13	1	3	7	1		8	5	1	1	1	1	47			5	2		
Tucson	1	274	5	2	19	19	3	5	6	5	5	18	9	5	14	18	20	15	11	15	3	4	19	5	4	16	2	6	5		3	1	11		
Utah	2	312	17	5	9	10		5	5	6	11	23	7	6	17	36	35	8	18	10	1	1	14	9	7	1	2	5	22	1	1	10	8		
Vandenberg		120	5	1	7	4	2		2	2	7	32		2	15	1	6	2	1	6			4		7	8	1	2	1			1	1		
Wenatchee		23	2	1										1		1		1	2					1				1	11			2			
Totals	152	26,682	873	242	1036	1471	588	343	546	302	1057	2746	972	528	1279	1533	2679	1384	761	1249	204	509	1396	276	460	395	206	346	1556	111	384	436	662		

## SECTION C

TABLE 4 - 1966 IEEE GROUP MEMBERSHIP BY GROUP, BY REGION, BY SECTION

REGION 9	Total Affiliates	Total Group Members	Au G-1	BC G-2	AP G-3	CT G-4	NS G-5	VC G-6	R G-7	BTR G-8	IM G-9	AES G-10	IT G-12	IECI G-13	EM G-14	ED G-15	C G-16	MTT G-17	EMB G-18	Com Tech G-19	SU G-20	FMP G-21	AC G-23	E G-25	EWS G-26	EMC G-27	HFE G-28	GE G-29	P G-31	EI G-32	MAG G-33	IGA G-34	SSC G-35	
Buenos Aires	1	157	10	3	7	9	4	2		11	2	5	7	11	1	9	14	11	12	8		2	11		1					11			3	2
Chile		74	2	1	4	7				1	3	3	3	3	4	3	5	3	3	4	2		5	3	3	1			4	2	1	2	2	
Colombia		147	5	3	13	6	1			4	44	3		6	1	5	5	3	2	7			13	1	1				17			7		
Mexico		262	6	1	5	10	4	2	3	6	9	4	3	10	20	3	10	3	8	9	1	5	11	8	7	1		2	73	7		24	7	
Puerto Rico & Virgin Islands		126	5	3	4	4	3	2		3	4	6	1	5	9	5	7	5	2	9		1	3	1	6	1			31	1		2	3	
Rio de Janeiro		52	1		2	3	1	1		1	1		2	2	1	1	3	3		6			1	1	1				18	1		2		
Sao Paulo	1	75	5	1	5	2		4	1	5	4	1		4	2	4	2	3	1	5		4		1	2	2		3	8	1		2	2	
Sub-totals	2	893	34	12	40	41	13	11	4	31	67	22	16	41	38	30	46	31	28	48	3	12	44	15	20	6	0	5	162	12	1	42	16	
Territory not assigned to IEEE Sections		417	12	13	21	13	7	15	2	7	12	10	5	16	23	5	11	10	8	39	2	5	13	13	10	4	2	3	83	4	3	37	9	
Totals	2	1310	46	25	61	54	20	26	6	38	79	32	21	57	61	35	57	41	36	87	5	17	57	28	30	10	2	8	245	16	4	79	25	

## REGION 10

Section	Total Affiliates	Total Group Members	Au G-1	BC G-2	AP G-3	CT G-4	NS G-5	VC G-6	R G-7	BTR G-8	IM G-9	AES G-10	IT G-12	IECI G-13	EM G-14	ED G-15	C G-16	MTT G-17	EMB G-18	Com Tech G-19	SU G-20	FMP G-21	AC G-23	E G-25	EWS G-26	EMC G-27	HFE G-28	GE G-29	P G-31	EI G-32	MAG G-33	IGA G-34	SSC G-35	
Kanpur		1																																
Tokyo	13	2538	63	51	115	143	55	45	67	73	88	88	113	79	46	196	152	160	67	120	64	82	110	40	40	40	46	36	97	51	67	74	57	
Sub-totals	13	2539	63	51	115	143	55	45	67	73	88	88	113	79	46	196	152	160	67	120	64	82	111	40	40	40	46	36	97	51	67	74	57	
Territory not assigned to IEEE Sections	1	4415	52	28	56	84	26	20	18	48	64	49	31	71	50	53	66	51	33	72	19	24	70	24	20	9	8	10	237	17	20	46	38	
APO		550	34	10	39	20	1	6	4	2	10	77	16	3	43	17	32	24	8	83	1	1	11	2	17	10	2	6	25	1		34	11	
FPO		131	9	2	8	8	2	1		1	5	17	2		7	3	9	3	4	14	3		11	2	2	4		4	6		1	3		
Totals	14	4635	158	91	218	255	84	72	89	124	167	231	162	153	146	269	259	238	112	289	87	107	203	68	79	63	56	56	365	69	88	154	109	

GROUP NAME	GRAND TOTAL
G-1 Audio and Electroacoustics	4,312
G-2 Broadcasting	1,751
G-3 Antennas and Propagation	4,599
G-4 Circuit Theory	7,020
G-5 Nuclear Science	2,184
G-6 Vehicular Communications	1,912
G-7 Reliability	2,601
G-8 Broadcast and Television Receivers	2,054
G-9 Instrumentation and Measurement	4,693
G-10 Aerospace and Electronic Systems	10,018
G-12 Information Theory	4,218
G-13 Industrial Electronics and Control Instrumentation	3,366
G-14 Engineering Management	5,908
G-15 Electron Devices	6,657
G-16 Computer	11,126
G-17 Microwave Theory and Techniques	5,824
G-18 Engineering in Medicine and Biology	3,810
G-19 Communications Technology	7,247
G-20 Sonics and Ultrasonics	1,188
G-21 Parts, Materials and Packaging	2,525
G-23 Automatic Control	5,873
G-25 Education	1,633
G-26 Engineering Writing and Speech	2,089
G-27 Electromagnetic Compatibility	1,685
G-28 Human Factors in Electronics	938
G-29 Geoscience Electronics	1,459
G-31 Power	10,822
G-32 Electrical Insulation	989
G-33 Magnetics	1,762
G-34 Industry and General Applications	3,599
G-35 Systems Science and Cybernetics	2,929
Total	126,791

IEEE GROUP CHAPTERS  
as of December 31, 1966

Group Code #	Name of Group	No. of Chapters	Section	Locations	
G-19	Communication Technology	33	Alabama	Fla. W.C.	Phoenix
			Atlanta	Long Island	Sacramento
			Boston	Los Angeles	San Francisco
			Canaveral	Mohawk Valley	Seattle
			Chattanooga	Nebraska	Shreveport
			Chicago	N.J. Coast	S. E. Michigan
			Columbus	New Orleans	Syracuse
			Connecticut	New York	Toronto
			Dallas	No. Jersey	Twin Cities
			Denver	Orlando	Vancouver
			East. Tenn.	Philadelphia	Wash. D.C.
G-16	Computer	32	Akron	Huntsville	Pittsburgh
			Baltimore	Long Island	San Diego
			Binghamton	Los Angeles	San Francisco
			Boston	Mohawk Valley	Schenectady
			Cent. Texas	Nebraska	S. E. Michigan
			Chicago	New York	Syracuse
			Cleveland	No. Jersey	Twin Cities
			Connecticut	Orange County	Utah
			Dayton	Orlando	Vancouver
			Houston	Phoenix	
G-25	Education	1	Utah		
G-27	Electromagnetic Compatibility	15	Boston	Huntsville	NY/LI/No. J.
			Canaveral	Los Angeles	Philadelphia
			Cent. Texas	Mohawk Valley	San Francisco
			Chicago	N.J. Coast	Seattle
			Dayton	New Orleans	Wash. D.C.
G-15	Electron Devices	17	Albuquerque	NY/LI/No. J.	Schenectady
			Boston	Philadelphia	S. E. Michigan
			Connecticut	Phoenix	Syracuse
			Lehigh Valley	Pittsburgh	Twin Cities
			Los Angeles	Portland	Wash. D.C.
			Nebraska	San Francisco	
G-14	Engineering Management	21	Baltimore	Dayton	Orange County
			Binghamton	Houston	Philadelphia
			Boston	Huntsville	San Francisco
			Buenaventura	Los Angeles	Seattle
			Chicago	Mohawk Valley	Syracuse
			Cleveland	New Orleans	Twin Cities
			Connecticut	NY/LI/No. J.	Wash. D.C.



## SECTION C - Table 5 Continued

IEEE GROUP CHAPTERS  
as of December 31, 1966

P. 4....

Group Code #	Name of Group	No. of Chapters	Section	Locations	
G-5	Nuclear Science	8	Boston	Dayton	San Francisco
			Chicago	Idaho	Wash. D.C.
			Connecticut	Los Angeles	
G-21	Parts, Materials & Packaging	12	Baltimore	Houston	NY/LI/No. J.
			Boston	Los Angeles	Philadelphia
			Chicago	Nebraska	San Francisco
			Dayton	N. J. Coast	Wash. D.C.
G-31	Power	72	Akron	Denver	Panhandle
			Alabama	East Tenn.	Philadelphia
			Atlanta	Fla. W.C.	Phoenix
			Baltimore	Foothill	Pittsburgh
			Berkshire	Ft. Worth	Portland
			Binghamton	Houston	Rochester
			Boston	Kansas City	Sacramento
			Buenos Aires	Lehigh Valley	St. Louis
			Buffalo	Los Angeles	San Diego
			Canaveral	Madison	San Francisco
			Canton	Maine	Schenectady
			Cent. Ill.	Memphis	Seattle
			Cent. Ind.	Miami	Sharon
			Cent. Texas	Mid Hudson	Shreveport
			Charlotte	Mid. Tenn.	S. E. Michigan
			Chattanooga	Milwaukee	Tokyo
			Chicago	Montreal	Toledo
			Cincinnati	Nebraska	Toronto
			Cleveland	New Hampshire	Tulsa
			Connecticut	New Orleans	Twin Cities
			Corpus Christi	NY/LI	Utah
			Dallas	North Jersey	Vancouver
			Dayton	Oklahoma City	Wash. D.C.
Delaware Bay	Orlando	Syracuse			
G-7	Reliability	18	Baltimore	Huntsville	Philadelphia
			Binghamton	Los Angeles	San Diego
			Boston	Mohawk Valley	San Francisco
			Canaveral	N. J. Coast	Twin Cities
			Connecticut	NY/LI	Wash. D.C.
			Fla. W. C.	No. Jersey	Chicago
G-35	Systems Science & Cybernetics	4	Boston	San Francisco	Wash. D.C.
			Montreal		
G-6	Vehicular Communications	16	Chicago	Montreal	S. E. Michigan
			Cleveland	Nebraska	Toronto
			Dallas	NY/LI/No. J.	Twin Cities
			Fla. W. C.	Philadelphia	Vancouver
			Houston	San Francisco	Wash. D.C.
			Los Angeles		
28	457	94			
Groups	Chapters	Sections			

## SECTION D

### IEEE SPECTRUM (continued)

2190. Of these, 1371 were devoted to technical and editorial material, and 819 consisted of advertising and related matter.

### PROCEEDINGS OF THE IEEE

The PROCEEDINGS was guided throughout 1966 by its appointed Editor and Editorial Board. One of the most important innovations instituted was a revised review procedure whereby the reviewers for each contributed paper are selected by a member of the Editorial Board who is particularly familiar with the subject area of the paper. This procedure was adopted to assure that papers are sent to the best reviewers available. With the active assistance of the Editorial Board, a program of publishing invited papers from leading specialists was launched. Three papers in this series were published during the year, and the groundwork was laid for a greater number to appear in 1967.

The PROCEEDINGS year was highlighted by the appearance of four special issues devoted to the subjects of frequency stability, the millimeter wave region and beyond, optical electronics, and computers. Especially noteworthy was the optical electronics issue which was a unique joint undertaking with Applied Optics, a publication of the Optical Society of America; the papers for this special issue appeared in both journals in October.

In 1966 the typesetting for the PROCEEDINGS was shifted from the conventional "hot type" technique to a photographic technique. The first issue using photographic composition was September. In January the printing had been changed from letterpress to offset lithographic printing to make it possible to adopt this modern typesetting technique.

Two changes were instituted in response to the increasing use and importance of letters for quickly and briefly announcing new research results. First, the letters section was changed to a more readable and attractive two-column format and was renamed "Proceedings Letters." Second, the review procedure was tightened so that all letters are subjected to speedy reviews. During the year 642 pages were devoted to the printing of 592 letters. As a comparison, 692 letters were published in 1965.

The year saw the appearance of a grand total of 2502 pages in the PROCEEDINGS, of which 2097 were editorial pages and 405 were pages containing advertising and other non-editorial material. The total number of papers published was 139, of which 99 appeared in special issues.

### GROUP PUBLICATIONS

As in previous years, the Group publications encompassed the major share of the IEEE publication output. A total of 152 issues constituting 16,852 pages were published. This represents an increase of nearly 10% over the 15,356 pages published in Group publications in 1965.

Since there were no Group mergers during 1966, the number of TRANSACTIONS being published remained at 31. The quarterly IEEE JOURNAL OF SOLID-STATE CIRCUITS was launched in September to fill a need for a publication outlet for papers in the general area of solid-state circuits. This, together with the previously established IEEE JOURNAL OF QUANTUM ELECTRONICS, brings the

total number of Group publications to 33.

The IEEE TRANSACTIONS ON MICROWAVE THEORY AND TECHNIQUES, previously issued bimonthly, became a monthly publication effective with the January 1966 issue, thus increasing the number of Group publications issued monthly to four. During 1966 seven Group publications were issued bimonthly, 13 were issued quarterly, and nine appeared aperiodically.

During the year the printing schedules and editors' deadlines for all Group publications were reorganized with the result that there was a marked improvement in the mailing of issues on time.

### IEEE STUDENT JOURNAL

The bimonthly student magazine of the IEEE served the student membership during 1966 by publishing 288 pages of technical material and other career information, including 34 signed articles. As is customary, an extra 20,000 copies of the September issue were sent to IEEE Counselors in colleges and technical institutes for distribution to potential Student Members.

### TRANSLATED JOURNALS

The Institute continued its program of translating and publishing papers from four Russian and two Japanese technical journals. This project is carried out with the support of the National Science Foundation. The year 1966 saw the appearance of 4648 pages translated from Russian and 3285 translated from Japanese. Advance tables of contents of issues to be translated were carried each month in SPECTRUM, as were signed critical reviews of selected papers which had been published in English.

### SPECIAL PUBLICATIONS AND PREPRINTS

The papers presented at the 1966 International Convention held in New York City in March were published in a twelve-part, 2368-page CONVENTION RECORD which was available at the Convention. In addition, five special Conference Records were published comprising 137 papers and 1416 pages.

An IEEE Membership Directory, consisting of 832 pages, was issued early in 1966.

Finally, a total of 340 papers, amounting to 5022 pages, were individually preprinted by photo-offset means for four meetings.



## SECTION E - Table 1 Continued

<u>Name of Meeting</u>	<u>Sponsors</u>	<u>Place</u>	<u>Date</u>	<u>Paid Registration</u>	<u>Exhibits</u>	<u>Additional Exhibit Attendance</u>
Region 6 Annual Conf.	Region 6 Tucson Section, Ft. Huachuca Sec.	Tucson, Ariz.	April 26-28	617	No	
Spring Joint Computer Conference	AFIPS	Boston, Mass.	April 26-28	4825	Yes	2500
Joint Trans. Symp. & RR Conference	G-IGA, ASME, SAE, ASCE	San Francisco, California	May 1-6	605	No	
3rd Annual Rocky Mtn. Bioengineering Symp.	Denver, Sec.	Boulder, Colo.	May 2-3	94	Yes	
Communication Satellite Systems Conference	AIAA, G-AES	Washington, D. C.	May 2-4	575	No	
Electronic Components Conference	G-PMP, EIA	Washington, D. C.	May 4-6	602	No	
7th Symp. on Human Factors in Electronics	G-HFE	Minneapolis, Minn.	May 5-6	156	No	
9th Midwest Symp. on Circuit Theory	G-CT, Oklahoma State Univ.	Stillwater, Okla.	May 9-10	59	No	
Nat'l Telemetering Conf.	G-AES, G-Com Tech., AIAA, ISA	Boston, Mass.	May 10-12	1199	Yes	150
Packaging Industry Tech. Conference	G-IGA	Hartford, Conn.	May 10-12	166	No	
Rural Electrification Conf.	G-IGA	Dallas, Texas	May 12-13	187	No	
Nat'l Aerospace Elec. Conference	G-AES, Dayton Section, AIAA	Dayton, Ohio	May 16-18	958	Yes	350
Int'l Symp. on Microwave Theory & Techniques	G-MTT	Palo Alto, California	May 16-19	734	No	
17th Appliance Tech. Conf.	G-IGA, Cleve- land Section	Cleveland, Ohio	May 17-19	420	No	
Thermoelectric Spec. Conference	G-ED, AIAA	Washington, D. C.	May 17-19	200	No	
8th Cement Ind. Tech. Conference	G-IGA	Denver, Colo.	May 17-19	437	No	
12th Pulp & Paper Ind. Tech. Conference	G-IGA	Niagara Falls, Ontario, Can.	May 18-20	306	No	
7th N. Y. Conf. on Reliability	N. Y. Metrop. Chapters, G-R	New York, N. Y.	May 20	285	No	
Reg. Group Tech. Conf. of IGA Group	G-IGA	Baltimore, Md.	May 25	150	No	
Conf. on Design & Con- struction of Large Steerable Aerials (for Satellite Comm. Radio Astronomy & Radar)	IEEE, IEE et al	London, Eng.	June 6-8		No	
San Diego Symp. for Bio- medical Engineering	IEEE, U.S. Nav. Hospital et al	San Diego, Cal.	June 6-9	217	Yes	
3rd Int'l Symp. on Electric Contact Phenomena	NTAC	Orono, Maine	June 6-10	100	No	
Chicago Spring Conf. on Broadcast & TV Receivers	G-BTR, Chicago Section	Des Plaines, Illinois	June 13-14	1403	Yes	

## SECTION E - Table 1 Continued

<u>Name of Meeting</u>	<u>Sponsors</u>	<u>Place</u>	<u>Date</u>	<u>Paid Registration</u>	<u>Exhibits</u>	<u>Additional Exhibit Attendance</u>
Special Tech. Conf. on Underground Distribution	G-P	Chicago, Ill.	September 26-29	1100	Yes	300
Aerospace & Elec. System Convention	G-AES	Washington, D. C.	October 3-5	650	Yes	200
Nat'l Electronics Conf.	IEEE et al	Chicago, Ill.	October 3-5	19000	Yes	
3rd Symp. on Consumer Electronics (with NEC)	G-ED, G-BTR, G-AE	Chicago, Ill.	October 3-5	175	No	
5th Symp. on Discrete Adaptive Processes (with NEC)	G-IT, G-SSC, G-AC	Chicago, Ill.	October 3-5	275	No	
Industry & Gen'l Applications Group Mtg.	G-IGA	Chicago, Ill.	October 3-6	866	No	
Allerton Conf. on Circuit & System Theory	G-CT, Univ. of Illinois	Monticello, Ill.	October 5-7	199	No	
Ultrasonic Symposium	G-SU	Cleveland, Ohio	October 12-15	330	No	
4th Canadian Symp. on Communications	Region 7	Montreal, Can.	October 13-14	1200	Yes	500
Stat. Theory of Signal Detection in Comm. & Control Systems	Sect. & Nechr Tech. Gesells- chaft	Darmstadt, Fed. Rep. of Germany	October 13-14	625	No	
Syst. Science & Cyber- netics Conference	G-SSC	Washington, D. C.	October 17-18	225	No	
13th Nuclear Science Symp.	G-NS, NBS	Boston, Mass.	October 19-21	475	Yes	
Symp. on Aerospace Computer	G-C, LA Council	Los Angeles, California	October 24-25	150	No	
16th Machine Tools Ind. Tech. Conference	G-IGA	Milwaukee, Wisconsin	October 24-26	555	No	
Electron Devices Meeting	G-ED	Washington, D. C.	October 26-28	1100	No	
7th Symp. on Switching & Automata Theory	G-C, Univ. of Calif.	Berkeley, Cal.	October 26-28	140	No	
Northeast Res. & Engrg. Meeting (NEREM)	N. E. Section	Boston, Mass.	November 2-4	1155	Yes	400
Thermionic Conv. Spec. Conference	G-ED	Houston, Texas	November 2-5	150	No	
Symp. on Automatic Support Sys. for Advanced Maintain- ability	St. Louis Sections	Clayton, Mo.	November 7-9	185	No	
Fall Joint Computer Conf.	AFIPS	San Francisco, California	November 8-10	5621	Yes	7267
11th Annual Symp. -Affil- iation of N. C. Sections	N. C. Sections	Greensboro, N. C.	November 9-10	405	Yes	
Int'l Conf. on Automatic Operation & Control of Broadcast Equipment	Region 8, IEE, IERE	London, Eng.	November 9-11	260	Yes	
19th Engrg. in Medicine & Biology Conference	G-EMB, ISA, ASME	San Francisco, California	November 14-17	1259	Yes	
Electric Welding Tech. Conference	G-IGA	Detroit, Mich.	November 15-17	300	No	
12th Conf. on Magnetism & Magnetic Materials	G-MAG, AIP	Washington, D. C.	November 15-18	800	Yes	
Vehicular Comm. Conf.	G-VC	Montreal, Can.	December 1-2	375	Yes	
Int'l Antennas & Propa- gation Symposium	G-AP	Palo Alto, Cal.	December 5-7	431	No	
Fall URSI-IEEE Meeting	URSI-IEEE	Stanford, Cal.	December 7-9	480	No	

## SECTION F

Table 1 - IEEE Student Branches and Student Branch Membership, 1966

Nine Student Branches were established during 1966. The total number of Student Branches is now 287 operating as follows:

228 - IEEE Student Branches

58 - IEEE Student Associate Branches\*

1 - IEEE Student/Student Associate Branch

<u>School</u>	<u>Section Location</u>	<u>Region</u>	<u>Membership***</u> 1966
*Academy of Aeronautics	New York	1	54
Air Force Institute of Technology	Dayton	2	15
Akron, University of	Akron	2	66
Alabama, University of	Alabama	3	93
Alaska, University of	Anchorage	6	33
Alberta, University of	Northern Alberta	7	85
Arizona State University	Phoenix	6	168
Arizona, University of	Tucson	6	70
Arkansas, University of	Arkansas	5	183
Arlington State College	Fort Worth	5	94
Auburn University	Alabama	3	72
Bradley University	Illinois Valley	4	96
Florida Institute of Technology	Canaveral	3	26
Bridgeport, University of	Connecticut	1	67
Brigham Young University	Utah	6	87
*British Columbia Institute of Technology	Vancouver	7	63
*British Columbia Vocational School	Vancouver	7	158
*Bronx Community College	New York	1	41
*Bronx Community College (Evening Division)	New York	1	12
Brooklyn, Polytechnic Institute of (Day Division)	New York	1)	
Brooklyn, Polytechnic Institute of (Evening Division)	New York	1)	238
*Broome Technical Community College	Binghamton	1	63
Brown University	Providence	1	39
Bucknell University	Central Pennsylvania	2	14
Buenos Aires, University of	Buenos Aires	9	36
**Calgary, University of	Southern Alberta	7	10
California Institute of Technology	San Gabriel	6	21
California State Polytechnic College (San Luis Obispo)	Santa Barbara	6	147
California State Polytechnic College (Kellogg-Voorhis Campus)	Foothill	6	85
California State College at Long Beach	South Bay Harbor	6	51
California State College at Los Angeles	Metropolitan Los Angeles	6	32
California, University of (Berkeley)	San Francisco	6	153
**California, University of (Davis)	Sacramento	6	26
California, University of (Los Angeles)	Santa Monica Bay	6	66
**California, University of (Santa Barbara)	Santa Barbara	6	32
California Western University	Santa Monica Bay	6	12
*Capitol Institute of Technology	Washington	2	48
Carleton University	Ottawa	7	18
Carnegie Institute of Technology	Pittsburgh	2	46
Case Institute of Technology	Cleveland	2	95
Catholic University of America	Washington	2	30
Catholic University of Louvain	Benelux	8	70
*Central Technical Institute	Kansas City	5	48
**Chalmers University of Technology (Sweden)	Sweden	8	12
Christian Brothers College	Memphis	3	151
Cincinnati, University of	Cincinnati	2	91
Citadel, The	South Carolina	3	21

## SECTION F - Table 1 Continued

<u>School</u>	<u>Section Location</u>	<u>Region</u>	<u>Membership***</u>
*Lawrence Institute of Technology	Southeastern Michigan	4	46
Lehigh University	Lehigh Valley	2	74
Louisiana Polytechnic Institute	Shreveport	5	93
Louisiana State University	Baton Rouge	3	100
Louisville, University of	Louisville	3	27
* **Los Angeles Trade-Technical College	Santa Monica Bay	6	19
Lowell Technological Institute	Boston	1	62
Loyola University	Santa Monica Bay	6	20
McMaster University	Hamilton	7	24
Maine, University of	Maine	1	70
Manhattan College	New York	1	157
*Manitoba Institute of Technology	Winnipeg	7	36
Manitoba, University of	Winnipeg	7	60
Marquette University	Milwaukee	4	156
Maryland, University of	Washington	2	167
Massachusetts Institute of Technology	Boston	1	129
Massachusetts, University of	Springfield	1	157
Merrimack College	Boston	1	23
Miami, University of	Miami	3	43
Michigan State University	Southeastern Michigan	4	112
Michigan Technological University	Northeast Wisconsin	4	61
Michigan, University of	Southeastern Michigan	4	150
Milwaukee School of Engineering	Milwaukee	4	61
Minnesota, University of	Twin Cities	4	146
Mississippi State University	Mississippi	3	171
Mississippi, The University of	Memphis	3	24
Missouri, The University of (Rolla)	St. Louis	5	348
Missouri, University of	St. Louis	5	105
*Mohawk Valley Community College	Mohawk Valley	1	17
Monmouth College	New Jersey Coast	1	20
Montana State College	Montana	6	176
Nebraska, University of	Nebraska	4	128
Nevada, University of	Sacramento	6	52
Newark College of Engineering	North Jersey	1	196
Newark College of Engineering (Evening Division)	North Jersey	1	65
New Hampshire, University of	New Hampshire	1	74
*New Mexico Highlands University	Albuquerque	6	23
New Mexico State University	El Paso	5	25
New Mexico, University of	Albuquerque	6	68
*New York City Community College	New York	1	37
New York, The City College of the City University of	New York	1	84
*New York Institute of Technology	New York	1	89
*New York, State University of, Agriculture & Technical Institute (Canton)	Mohawk Valley	1	30
*New York State University (Alfred)	Buffalo	1	70
New York, State University of (Buffalo)	Buffalo	1	41
New York University (Day Division)	New York	1)	
New York University (Evening Division)	New York	1)	143
North Carolina State University	North Carolina	3	115
North Dakota State University	Twin Cities	4	59
North Dakota, University of	Twin Cities	4	34
Northeastern University	Boston	1	238
*Northern Alberta Institute of Technology	Northern Alberta	7	54
Northrop Institute of Technology	Metropolitan Los Angeles	6	52
Northwestern University	Chicago	4	51
Norwich University	Vermont	1	27
Notre Dame, University of	South Bend	4	88
Ohio Northern University	Lima	2	30
Ohio State University	Columbus	2	131
*Ohio Technical Institute	Columbus	2	77
Ohio University	Columbus	2	64
*Oklahoma City University	Oklahoma City	5	-
Oklahoma State University	Tulsa	5	175

## SECTION F - Table 1 Continued

<u>School</u>	<u>Section Location</u>	<u>Region</u>	<u>Membership***</u>
Swarthmore College	Philadelphia	2	10
Syracuse University	Syracuse	1	47
*Temple University, The Community College and Technical Institute of	Philadelphia	2	42
Tennessee Agricultural & Industrial State University	Nashville	3	22
Tennessee Technological University	Nashville	3	83
Tennessee, University of	East Tennessee	3	93
Texas Agricultural & Mechanical University	Houston	5	93
Texas College of Arts & Industries	Corpus Christi	5	63
Texas Technological College	South Plains	5	31
Texas, University of	Central Texas	5	209
Texas, University of, at El Paso	El Paso	5	83
Toledo, University of	Toledo	4	63
Toronto, University of	Toronto	7	78
Tri-State College	Fort Wayne	4	40
Tufts University	Boston	1	63
Tulane University	New Orleans	3	38
Union College	Schenectady	1	41
*Union County Technical Institute	North Jersey	1	26
*Union Technical Institute	North Jersey	1	51
United States Air Force Academy	Denver	5	12
United States Naval Postgraduate School	San Francisco	6	52
Universidad Distrital Francisco Jose de Caldas	Colombia	9	25
Utah State University	Utah	6	47
Utah, University of	Salt Lake City	6	124
*Valparaiso Technical Institute	South Bend	4	145
Valparaiso University	South Bend	4	49
Vanderbilt University	Nashville	3	95
**Venezuela, Universidad Central de	-	9	10
Vermont, University of	Vermont	1	21
Villanova University	Philadelphia	2	42
Virginia Military Institute	Virginia Mountain	3	39
Virginia Polytechnic Institute	Virginia Mountain	3	123
Virginia, University of	Central Virginia	3	69
*Voorhees Technical Institute	New York	1	28
*Ward Technical Institute	Connecticut	1	42
Washington State University	Spokane	6	40
Washington University	St. Louis	5	47
Washington, University of	Seattle	6	143
Waterloo, The University of	Kitchener-Waterloo	7	58
Wayne State University	Southeastern Michigan	4	74
*Wentworth Institute	Boston	1	31
Western Michigan University	West Michigan	4	29
*Western Ontario Institute of Technology, The	Southeastern Michigan	4	44
West Virginia Institute of Technology	West Virginia	2	39
West Virginia University	Pittsburgh	2	67
Wichita State University	Wichita	5	83
Windsor, University of	Southeastern Michigan	4	20
Wisconsin, University of	Madison	4	184
Worcester Polytechnic Institute	Worcester	1	94
Wyoming, University of	Denver	5	80
Yale University	Connecticut	1	31
Youngstown University	Sharon	2	45

\*IEEE Student Associate Branches

\*\*Established in 1966

\*\*\*Membership as of December 31, 1966