

IR

6.33
351Regional Directors of IRERegion 1

F. Karl Willenbrock
Harvard University, Pierce Hall 212
Div. Engr., App. Physics
Cambridge 38, Massachusetts

Region 2

Anthony B. Giordano
Polytechnic Inst. of Brooklyn
333 Jay Street
Brooklyn 1, New York

Region 3

Maynard R. Briggs
Westinghouse Electric Corp.
Box 1897
Baltimore 3, Maryland

Region 4

Alexander B. Bereskin
University of Cincinnati, E. E. Dept.
Cincinnati 21, Ohio

Region 5

W. B. Bruene
2769 Franklin Ave., N.E.
Cedar Rapids, Iowa

Region 6

Mark W. Bullock
6517 Royal Crest Drive.
Dallas 30, Texas

Region 7

Donald K. Reynolds
Univ. of Washington, E. E. Dept.
Seattle 5, Washington

Region 8

Bertram R. Tupper
British Columbia Telephone Co.
768 Seymour Street
Vancouver 2, B. C., Canada

APPENDIX 1-17A

TOD 33

6/21/62

LIST OF IRE COMMITTEES

Reprinted from Proceedings of the IRE
June, 1962

IRE COMMITTEES—1962

EXECUTIVE

P. E. Haggerty, *Chairman*

S. L. Bailey	R. L. McFarlan
L. V. Berkner	D. E. Noble
T. A. Hunter	Haradan Pratt
T. F. Jones, Jr.	Ernst Weber

ADMISSIONS

J. L. Sheldon, *Chairman*

T. M. Bloomer	F. S. Mabry
E. W. Borden	W. L. Rehm
H. R. Boyd	S. W. Rosenthal
L. A. Byam, Jr.	R. M. Ryder
W. E. Darnell	G. F. Senn
J. S. Donal, Jr.	B. N. Slade
R. F. Guy	J. G. Stephenson
H. W. Katz	B. F. Tyson
	W. D. White

AWARDS

D. B. Harris, *Chairman*

K. C. Black	W. D. Hershberger
E. M. Boone	J. R. MacDonald
B. J. Dasher	R. A. Ramey, Jr.
J. N. Dyer	W. G. Shepherd
F. Hamburger, Jr.	George Sinclair
	R. M. Soria

AWARDS MANAGEMENT

Haradan Pratt, *Chairman*

J. D. Ryder D. B. Sinclair

EDITORIAL BOARD

T. F. Jones, Jr., *Chairman*

A. H. Waynick	J. D. Ryder
E. K. Gannett	D. B. Sinclair
D. W. Martin	Kiyo Tomiyasu
	J. G. Truxal

EDITORIAL REVIEWERS

W. R. Abbott	H. G. Booker
M. A. Acheson	J. G. Brainerd
R. B. Adler	J. H. Bryant
Robert Adler	Kenneth Bullington
H. A. Affel	J. H. Burnett
H. A. Affel, Jr.	R. Page Burr
W. J. Albersheim	C. R. Burrows
J. A. Aseltine	H. J. Carlin
W. S. Bachman	T. J. Carroll
H. G. Baerwald	J. A. Chambers
A. S. Bagley	S. S. L. Chang
L. L. Bailin	H. A. Chinn
J. T. Bangert	Marvin Chodorow
W. L. Barrow	L. E. Closson
J. M. Barstow	J. D. Cobine
B. L. Basore	J. W. Colman
Leon Bass	P. W. Crapuchettes
B. B. Bauer	M. G. Crosby
W. R. Beam	D. A. Cusano
L. L. Beranek	C. C. Cutler
A. R. Bergen	Sidney Darlington
F. J. Bingley	B. J. Dasher
C. K. Birdsall	J. P. Day
N. M. Blachman	A. R. D'Heedene
H. S. Black	A. C. Dickieson
H. P. Blanchard	W. J. Dodds

D. D. Israel	H. F. Ivey
Hans Jaffe	A. G. Jensen
R. L. Jepsen	Harwick Johnson
E. M. T. Jones	E. C. Jordan
R. Justice	Martin Katzin
Benjamin Kazan	L. F. Kazda
R. D. Kell	G. Kern
C. R. Knight	W. E. Kock
Rudolph Komfsner	G. M. Kranc
J. B. H. Kuper	H. B. Law
R. R. Law	M. T. Lebenbaum
W. R. Lepage	F. D. Lewis
W. D. Lewis	J. G. Linvill
F. B. Llewellyn	E. E. Loebner
J. R. MacDonald	Nathan Marchand
Nathan Marcuvitz	Nathan Marcuvitz
F. L. Marx	W. P. Mason
G. L. Matthaei	H. E. May
H. E. May	W. J. Mayo-Wells

30.1 AUDIO DEFINITIONS	4.4 LINEAR VARYING-PARAMETER AND NON-LINEAR CIRCUITS	7.3.2 GAS-FILLED RADIATION COUNTER TUBES
R. H. Rose, <i>Chairman</i>	W. R. Bennett, <i>Chairman</i>	W. Minowitz, <i>Chairman</i>
L. Fink C. R. Morris	J. G. Kreer, Jr. C. H. Page	E. Di Anni E. Wakefield
R. A. Hackley C. W. Vadersen	J. R. Weiner	M. Youdin
CONSULTANTS		
A. C. Angus E. V. Carlson		
30.3 METHODS OF MEASUREMENT OF DISTORTION	4.7 LINEAR ACTIVE CIRCUITS INCLUDING NETWORKS WITH FEEDBACK SERVOMECHANISM	7.4 CAMERA TUBES, PHOTOTUBES, AND STORAGE TUBES IN WHICH PHOTO-EMISSION IS ESSENTIAL
J. D. Hirsch, <i>Chairman</i>	E. H. Perkins, <i>Chairman</i>	M. Adelman, <i>Chairman</i>
P. Pritchard, <i>Vice Chairman</i>	E. J. Angelo, Jr. J. M. Manley	J. P. Causse M. Rome
W. A. Munson	W. A. Lunch C. F. Rehberg	E. H. Eberhardt F. W. Schenkel
CONSULTANT		G. W. Iler A. H. Sommer
M. A. Cotter		J. G. Koosman R. G. Stoudemheimer
30.4 METHODS OF MEASUREMENT OF NOISE	4.8 CIRCUIT COMPONENTS	R. M. Sugarman
W. W. Lang, <i>Chairman</i>	A. R. D'Heedene, <i>Chairman</i>	
R. A. Kaenel, <i>Vice Chairman</i>		
W. D. Cochran E. E. Gross	4.9 FUNDAMENTAL QUANTITIES	
A. L. Cudworth D. E. Nelson	H. L. Krauss, <i>Chairman</i>	
CONSULTANTS	P. F. Ordung J. D. Ryder	
A. A. Alexander T. A. Honigfeld		
F. K. Harvey R. C. Moody		
30.6 METHODS OF MEASUREMENT OF MICROPHONE CHARACTERISTICS	4.10 SOLID STATE CIRCUITS	7.5 HIGH-VACUUM MICROWAVE TUBES
M. Copel, <i>Chairman</i>	R. L. Bright, <i>Chairman</i>	E. M. Boone, <i>Chairman</i>
T. C. Nehrbas, <i>Vice Chairman</i>		
V. Brociner L. R. Hagey	R. H. Baker R. E. McMahon	J. H. Bryant R. C. Knechtli
W. D. Goodale, Jr. G. A. Marchand	D. C. Engelbart R. D. Middlebrook	C. L. Cuccia P. M. Lally
E. A. Reickert	T. R. Finch D. O. Pederson	G. C. Dalman R. E. McClure
CONSULTANTS	E. W. Fletcher W. J. Poppelbaum	M. S. Glass R. R. Moats
B. W. Benson F. Massa	V. H. Grinich A. K. Rapp	J. M. Hammer M. Nowogrodzki
W. T. Fiala H. F. Olson	R. A. Henle J. Russell	J. S. Hickey M. Uenohara
30.7 METHODS OF MEASUREMENT OF LOUDSPEAKER CHARACTERISTICS	G. B. Herzog Q. W. Simpkins	R. C. Wertman
N. H. Crowhurst, <i>Chairman</i>	R. E. Lee A. P. Stern	
D. L. Favin, <i>Vice Chairman</i>	M. H. Lewin E. E. Sumner	
V. Brociner D. L. Klepper	J. G. Linvill J. J. Suran	
E. Chapman C. D. Knight	A. W. Lo R. R. Webster	
M. Copel R. J. Larson		
P. H. Davis E. L. Lehrbaum		
W. Dill F. Seebinger		
J. Harris J. Tiedje		
P. B. Williams		
CONSULTANT		
A. B. Cohen		
R. P. Johnson		
4. CIRCUITS	7. ELECTRON TUBES	7.5.4 MICROWAVE PARAMETRIC DEVICES
J. B. Russell, <i>Chairman</i>	G. A. Espersen, <i>Chairman</i>	R. C. Knechtli, <i>Chairman</i>
J. T. Bangert W. A. Lynch	H. J. Reich, <i>Vice Chairman</i>	
W. R. Bennett S. J. Mason	M. Adelman A. Kondo	D. Anderson R. DeGrasse
J. G. Brainerd C. H. Page	S. Bloom P. M. Lapostolle	C. B. Crumly G. Mattheai
A. R. D'Heedene E. H. Perkins	E. M. Boone V. Learned	C. L. Cuccia F. Keywell
R. M. Foster A. P. Stern	W. Dahlke H. N. Lewis	H. Ozaki
B. K. Kinariwala J. J. Suran	F. J. Feyder, Jr. A. S. Luftman	
H. L. Krauss W. N. Tuttle	K. Barber A. M. Morrell	
L. Weinberg	M. Bareiss G. D. O'Neill	
4.2 LINEAR LUMPED-CONSTANT PASSIVE CIRCUITS	H. B. Frost K. Garoff	
L. Weinberg, <i>Chairman</i>	F. J. Feyder, Jr. A. T. Potjer	
J. A. Aseltine G. L. Matthaei	H. A. Haus L. Roberts	
R. Kahal J. G. Truxal	J. Hennel M. J. Sarullo	
4.3 CIRCUIT TOPOLOGY	M. Houlier W. Veith	
R. M. Foster, <i>Chairman</i>	G. I. Klein B. H. Vine	
R. L. Dietzold E. A. Guillemin	R. R. Warnecke	
S. Goldman J. Riordan		
7.1 TUBES IN WHICH TRANSIT-TIME IS NOT ESSENTIAL	7.5.5 NEW HIGH POWER ELECTRON BEAM DEVICES	7.5.6 CONTINUOUS REVISION OF EXISTING STANDARDS
M. J. Sarullo, <i>Chairman</i>		R. R. Moats, <i>Chairman</i>
K. R. Barber W. T. Millis		R. L. Cohoon J. Palmer
M. Bareiss E. J. Panner		W. J. Fleig J. L. Putz
F. J. Feyder, Jr. A. J. Robinson		P. N. Hess J. A. Ruettz
E. D. Gurdak A. P. Sweet		N. H. Williams
7.2 CATHODE-RAY TUBES	7.5.7 MICROWAVE TUNNEL DIODE DEVICES	
A. M. Morrell, <i>Chairman</i>		M. Nowogrodzki, <i>Chairman</i>
F. L. Burroughs R. S. Hunter		F. G. Haneman D. E. Nelson
J. P. Foltz L. Huyler		C. S. Kim M. Uenohara
H. K. Hammond R. Koppelon		
F. R. Hays M. F. Magarga		
G. F. Hohn W. B. Nottingham		
W. L. Holford E. W. Shinholt		
7.3 GAS TUBES	7.5.8 DEFINITIONS OF MICROWAVE TERMS	
H. H. Wittenberg, <i>Chairman</i>		G. C. Dalman, <i>Chairman</i>
J. H. Burnett W. Minowitz		J. Degan J. Sibilia
E. J. Handley G. G. Riska		R. E. McClure G. Wade
R. A. Herring L. W. Roberts		R. C. Wertman
D. E. Marshall W. W. Watrous		
A. D. White		
7.4 NOISE	7.6 PHYSICAL ELECTRONICS	
H. A. Haus, <i>Chairman</i>	H. B. Frost, <i>Chairman</i>	
T. E. Tapley, <i>Vice Chairman</i>	J. G. Buck J. M. Lafferty	
W. B. Davenport S. W. Harrison	P. N. Hamblenton R. M. Matheson	
R. S. Engelbrecht W. W. McLeod		
W. A. Harris E. K. Stodola		

R. Goodstein	L. Lawrence, Jr.	F. G. Cole	J. B. Minter	17.14 COMMUNICATIONS MULTIPLEXING RECEIVER STANDARDS
L. Greenberg	J. E. Lundberg	H. E. Dinger	W. E. Pakala	C. Parry, <i>Chairman</i>
L. K. Jensen	H. Pastrick	E. C. Freeland	V. Price	
W. D. Winters		C. W. Frick	W. A. Shipman	17.15 FREQUENCY MODULATION BROADCAST RECEIVER MEASUREMENTS
2.5 RADAR STANDARDS		G. G. Hall	R. M. Showers	STANDARDS
H. J. Rosenberg, <i>Chairman</i>		V. J. Mancino	F. R. Wellner	J. Avins, <i>Chairman</i>
12.6 LONG DISTANCE AIDS		27.1 BASIC MEASUREMENTS		F. L. Mergner D. R. von Reckling-
R. L. Frank, <i>Chairman</i>		R. M. Showers, <i>Chairman</i>		N. W. Parker hausen
T. J. Gressitt	W. J. Romer	E. W. Chapin	C. I. Dobbs	S. P. Ronzheimer
13. NUCLEAR TECHNIQUES		J. F. Chappell	V. Mancino	R. Snelling
D. C. Cook, <i>Chairman</i>		27.3 RADIO AND TV RECEIVERS		17.16 COLOR TV MEASUREMENT STANDARDS
W. W. Managan, <i>Vice Chairman</i>		F. G. Cole, <i>Chairman</i>		P. Goldmark, <i>Chairman</i>
R. L. Butenhoff	T. R. Kohler	A. F. Augustine	F. Kitty	17.17 INTERNATIONAL RADIO RECEIVER MEASUREMENT STANDARDS
D. L. Collins	G. A. Morton	E. D. Chalmers	S. Mazur	G. S. Ley, <i>Chairman</i>
L. Costrell	W. Spear	E. W. Chapin	W. G. Peterson	J. Avins C. Parry
C. S. Walker		E. C. Freeland	F. Stachowiak	R. Bright C. L. Spencer
13.1 PHOTOTUBES FOR SCINTILLATION COUNTING		J. C. Hermeling	W. J. Stroh	A. Goldsmith F. B. Uphoff
G. A. Morton, <i>Chairman</i>		R. S. Yoder		15. RADIO TRANSMITTERS
R. M. Carlson	R. Matheson	27.4 RADIO TRANSMITTERS		S. M. Morrison, <i>Chairman</i>
R. Graveson	J. J. Morales	H. R. Butler	V. Mancino, <i>Chairman</i>	H. R. Butler, <i>Vice Chairman</i>
Q. Kerns	B. Rudolph	W. F. Byers	A. W. Silverstein	C. G. Dietsch L. A. Looney
13.2 SCINTILLATORS		27.5 INDUSTRIAL ELECTRONICS		C. I. Dobbs B. Sheffield
W. W. Managan, <i>Chairman</i>		C. W. Frick, <i>Chairman</i>		H. E. Goldstine J. B. Singel
14. PIEZOELECTRIC AND FERRO- ELECTRIC CRYSTALS		J. E. Bridges	J. C. Klouda	J. B. Heffelfinger B. D. Smith, Jr.
J. H. Armstrong, <i>Chairman</i>		E. W. Chapin	R. W. Lisk	A. E. Kerwien L. E. Winter
S. L. Ehrlich, <i>Vice Chairman</i>		F. Haber	H. R. Meahl	V. Ziemelis
J. R. Anderson	E. Hafner	R. J. Hallisey	R. B. Schulz	15.1 FM TRANSMITTERS
H. G. Baerwald	R. L. Harvey	W. Jarva	C. Smith	L. E. Winter, <i>Chairman</i>
R. Bechmann	H. Jaffe	L. W. Thomas		H. Bott P. Osborne
W. G. Cady	T. M. Lambert	27.7 MOBILE COMMUNICATIONS EQUIPMENT		J. R. Boykin H. Stratman
W. A. Edson	W. P. Mason	J. F. Chappell, <i>Chairman</i>		15.3 DOUBLE SIDEBAND AM TRANSMITTERS
I. E. Fair	C. F. Pulvari	H. Bailey	F. J. Hollister	C. V. Clark W. D. Mitchell
W. D. George	P. L. Smith	K. Bachman	S. F. Meyer	E. J. Martin, Jr. I. R. Skarbek
E. A. Gerber	R. A. Sykes	W. M. Cagney	J. R. Neubauer	15.5 SINGLE SIDEBAND RADIO COM- MUNICATION TRANSMITTERS
K. S. VanDyke		W. G. Chaney	N. Shepherd	J. B. Singel, <i>Chairman</i>
14.1 FERROELECTRIC CRYSTALS		W. A. Shipman		A. Brown H. E. Goldstine
J. H. Armstrong, <i>Chairman</i>		17. RADIO RECEIVERS		W. B. Bruene A. E. Kerwien
J. R. Anderson	C. Pulvari	R. I. Cole, <i>Chairman</i>		E. A. Laport
G. J. Goldsmith	S. Triebwasser	G. S. Ley, <i>Vice Chairman</i>		15.6 TELEVISION BROADCAST TRANSMITTERS
14.2 PIEZOELECTRIC CRYSTALS		J. Avins	J. K. Johnson	W. F. Goetter W. Kruse
R. Bechmann, <i>Chairman</i>		J. E. Bridges	L. R. Kirkwood	R. Jose L. A. Looney
I. E. Fair	W. D. George	J. T. Brothers	W. R. Koch	J. L. Stern
C. R. Mingins		A. C. Cotsworth	V. T. Meara	16.1 DEFINITIONS
14.4 DEFINITIONS FOR MAGNETOSTRICTION		A. S. Goldsmith	L. M. Rodgers	D. S. Dewire, <i>Chairman</i>
S. L. Ehrlich, <i>Chairman</i>		P. Goldmark	C. L. Spencer	J. Germain M. Golden
H. G. Baerwald	P. L. Smith	D. E. Harnett	W. O. Swinyard	D. Talley
R. L. Harvey	R. S. Woollett	D. J. Healy III	F. B. Uphoff	16.2 METHODS OF TESTING FOR MOBILE RECEIVERS
14.5 PIEZOELECTRIC CERAMICS		17.10 AUTOMATIC FREQUENCY AND PHASE CONTROL		J. R. Neubauer, <i>Chairman</i>
H. Jaffe, <i>Chairman</i>		F. B. Uphoff, <i>Chairman</i>		H. W. Nylund N. H. Shepherd
D. Berlincourt	T. Lambert	K. Farr	R. N. Rhodes	W. A. Shipman
14.6 VERY HIGH FREQUENCY CRYSTAL UNITS		W. R. Koch	D. Richman	19. RECORDING AND REPRODUCING
E. Hafner, <i>Chairman</i>		L. Riebman		F. A. Comerci, <i>Chairman</i>
27. RADIO FREQUENCY INTERFERENCE		17.11 AM-FM BROADCAST RECEIVERS		W. R. Chynoweth, <i>Vice Chairman</i>
S. I. Cohn, <i>Chairman</i>		A. Goldsmith, <i>Chairman</i>		M. Camras J. G. McKnight
W. B. Wrigley, <i>Vice-Chairman</i>		R. Brown	G. Just	J. J. Davidson R. C. Moyer
J. Bridges	E. W. Chapin	E. Cornet	S. P. Ronzheimer	P. Fish R. S. Todes
S. J. Burruano	J. F. Chappell	L. W. Couillard	F. G. Lee	A. W. Friend T. G. Veal
H. R. Butler	L. E. Coffey	17.12 SINGLE SIDEBAND STANDARDS		C. J. LeBel B. J. White, Jr.
		C. L. Spencer, <i>Chairman</i>		
		L. Riebman		
		17.13 STANDARDS ON RECEIVERS; DEFINITIONS OF TERMS		
		R. Bright, <i>Chairman</i>		

28.5.4	H. C. Lin H. V. Noble J. R. Roeder	C. F. Spitzer E. L. Steele L. Vallesse	23.3 VIDEO SYSTEMS AND COMPONENTS METHODS OF MEASUREMENT
P. N. Wolfe, <i>Acting Chairman</i>	J. T. Wallmark	I. C. Abrahams, <i>Chairman</i>	
I. Giaever J. C. Gottling J. E. Iwersen J. Kinsella C. A. Mead	F. A. Schwertz J. P. Spratt I. Weiman P. K. Weimer A. C. Yang		G. M. Glassford J. R. Hefele W. L. Hurford
28.6. MAGNETIC DEVICES	21. SYMBOLS	N. E. Sprecher E. Stein W. B. Whalley	
N. R. Kornfield, <i>Chairman</i>	J. M. Carroll, <i>Chairman</i> C. A. Fricke, <i>Vice Chairman</i> H. L. Cook, <i>Secretary</i>		23.4 VIDEO SIGNAL TRANSMISSION METHODS OF MEASUREMENT
J. S. Cubert P. G. Frischmann R. L. Harvey H. W. Katz A. D. Krall D. H. Looney P. N. McCabe R. E. McMahon	W. A. Miller S. Paull H. A. Perkins, Jr. T. J. Pula I. Reingold H. C. Rothenberg H. Scharfman F. G. Timmel	D. Drusdow H. J. Elschner W. J. Everts D. M. Failler D. Howell K. K. Kuller	21.5 NEW PROPOSALS AND SPECIAL ASSIGNMENTS
28.6.1 BASIC TERMINOLOGY, MATERIALS AND MEASUREMENTS	L. A. Meadows C. D. Mitchell R. V. Rice R. M. Stern R. G. Stranix H. R. Terhune	L. H. Warren	23.5 TV MAGNETIC TAPE RECORDING METHODS OF MEASUREMENT
H. A. Perkins, Jr., <i>Chairman</i>			E. M. Leyton, <i>Chairman</i>
R. L. Harvey D. H. Looney	P. McCabe S. Paull	R. T. Haviland L. A. Meadows	C. E. Anderson G. W. Bartlett E. K. Dahlin F. Himelfarb
H. Rothenberg			J. E. Landsbarg A. C. Luther E. Somber F. J. Watson
28.6.2 MAGNETIC MATERIALS AND MEASUREMENTS	21.7 LETTER SYMBOLS		24. WAVE PROPAGATION
H. A. Perkins, Jr., <i>Chairman</i>	C. A. Frick, <i>Chairman</i>		S. A. Bowhill, <i>Chairman</i> H. Fine, <i>Vice Chairman</i>
R. L. Harvey D. M. Looney P. N. McCabe	R. V. Rice L. H. Warren	J. F. Craib C. C. Foster R. M. Foster, Jr.	H. H. Beverage H. G. Booker K. Bullington C. R. Burrows T. J. Carroll A. B. Crawford J. T. DeBettencourt F. H. Dickson I. H. Gerks W. D. Hershberger M. Katzin J. M. Kelso
28.6.3 MAGNETIC MEMORY AND LOGIC DEVICES	R. G. Stranix, <i>Chairman</i>	C. A. Hachemeister D. M. Howell J. A. Raper	G. H. Millman M. G. Morgan M. L. Phillips E. R. Schmerling R. Slutz J. B. Smyth A. W. Straiton K. Toman V. Twersky J. R. Wait A. T. Waterman A. H. Waynick
H. W. Katz, <i>Chairman</i>	21.8 ABBREVIATIONS		A. D. Wheelon
J. Cubert D. H. Loony P. N. McCabe	R. E. McMahon W. A. Miller T. J. Pula	D. Howell, <i>Chairman</i>	28.0.2 CONSULTANTS
28.6.4 MICROWAVES	J. Chapline R. Franciose E. K. Gannett E. Hine	E. McElwee H. Michaelson H. Renee J. C. Schlaikjet	J. C. W. Scott J. C. Simon
H. C. Rothenberg, <i>Chairman</i>		R. M. Stern	R. L. Smith-Rose J. P. Voge
H. W. Katz A. D. Krall	I. Reingold H. Scharfman	21.9. MATHEMATICAL AND FUNCTIONAL NOTATIONS FOR COMPUTING DEVICE OPERATIONS	24.1 STANDARDS AND PRACTICES
28.7 MASERS AND VARIABLE REACTANCE TRANSDUCERS		D. Drusdow, <i>Chairman</i>	M. L. Phillips, <i>Chairman</i>
A. G. Fox, <i>Chairman</i>		21.10 MATHEMATICAL NOTATION FOR GENERAL USE	24.1.1 FIELD STRENGTH MEASUREMENTS
R. Adler J. B. Angell A. D. Berk E. N. Clarke R. S. Engelbrecht H. J. Evans W. H. From C. H. Grauling, Jr.	V. R. Learned J. W. Meyer B. Salzberg H. Seidel A. Uhli, Jr. P. H. Vartanian, Jr. G. Wade J. P. Wittke	K. K. Kuller, <i>Chairman</i>	H. Fine, <i>Chairman</i>
28.8. THERMOELECTRIC DEVICES	22. TELEVISION SYSTEMS		24.1.2 MEASUREMENT OF VERTICAL INCIDENCE IONOSPHERIC CHARACTERISTICS
F. Donahoe, <i>Chairman</i>	C. J. Hirsch, <i>Chairman</i> R. N. Harmon, <i>Vice Chairman</i>		M. L. Phillips, <i>Chairman</i>
I. Cadoff H. B. Frost N. Fuschillo P. C. Goundry M. A. Gross P. Klein E. H. Louther	J. D. Richards B. Rosenbaum F. D. Rosi R. G. Sickert M. E. Talaat R. Ure, Jr. R. H. Vought	M. W. Baldwin, Jr. J. E. Brown C. G. Fick D. G. Fink P. C. Goldmark J. E. Hayes A. G. Jensen	E. R. Schmerling
E. L. Woisard		W. T. Wintringham	24.1.3 ELECTRON DENSITY-HEIGHT PROFILES
28.9. MICROSYSTEMS ELECTRONICS	22.2 TELEVISION PICTURE ELEMENT		S. A. Bowhill, <i>Chairman</i>
R. H. Baker, <i>Co-Chairman</i> (IRE) A. P. Stern, <i>Co-Chairman</i> (AIEE) G. Strull, <i>Co-Chairman</i> (AIEE)	A. V. Bedford J. B. Chatten	P. Mertz T. V. Zaloudek	J. M. Kelso
A. W. Adcock D. Counihan W. D. Fuller S. K. Ghandhi	E. Keonjian J. S. Kilby I. A. Lesk T. Liimatainen	23. VIDEO TECHNIQUES	24.3 DEFINITIONS
		J. M. Barstow, <i>Chairman</i> J. R. Hefele, <i>Vice Chairman</i>	M. Katzin, <i>Chairman</i>
		I. C. Abrahams G. Bartlett V. J. Duke J. F. Fisher G. L. Fredendall	24.4 RADIO PROPAGATION HISTORY
		W. L. Hurford E. M. Leyton W. J. Poch J. H. Roe W. B. Whalley	H. H. Beverage, <i>Chairman</i>
		23.1 DEFINITIONS	24.5 TUTORIAL PAPERS REVIEW
		J. H. Roe, <i>Chairman</i>	J. R. Wait, <i>Chairman</i>
		S. Deutsch V. J. Duke	
		R. N. Hurst R. M. Morris	

IRE REPRESENTATIVES IN SCHOOLS

Argentina

*Buenos Aires, Univ. of: A. DiMarco
Cuyo, National Univ. of: H. C. Barbenza
Universidad Nacional de La Plata: J. L. Coriat

Australia

Sydney, Univ. of: R. E. Aitchison

Belgium

Universite Catholique de Louvain: P. G. A. Jespers

Brazil

Escola Politecnica da Universidade de Sao Paulo: P. R. de Arruda
Instituto Tecnologico de Aeronautica: J. T. Senise

Canada

Acadia Univ.: J. G. Tillotson
*Alberta, Univ. of: J. W. Porteous
Assumption Univ. of Windsor, Essex College: H. R. Fletcher
*British Columbia, Univ. of: A. D. Moore
British Columbia Vocational School: R. E. Ridsdale
DeVry Tech. Inst.: L. F. T. Gent
The Eastern Ontario Inst. Tech.: V. J. Byers
Ecole Polytechnique: A. Breton
The Hamilton Inst. Tech.: G. L. Pal
Inst. of Electronics: G. Archambault
*Laval Univ.: J. E. Dumas
*Manitoba, Univ. of: H. Haakonen
McGill Univ.: E. Adler
Mc Master Univ.: A. S. Gladwin
New Brunswick, Univ. of: R. J. Collier
Nova Scotia Technical College: G. H. Burchill
*Ottawa, Univ. of: L. A. Beauchesne
Queens Univ.: H. H. Stewart
*Royal Military College of Canada: M. B. Broughton
*Ryerson Inst. Tech.: E. L. Kerridge
*Saskatchewan, Univ. of: A. Michalenko
*The Southern Alberta Inst. Tech.: R. E. Smith
*Toronto, Univ. of: J. L. Yen
Waterloo, The Univ. of: G. Dufault
*Western Ontario, Univ. of: E. H. Tull
*Western Ontario Inst. of Tech.: S. A. Stannard (Appointment pending)

Chile

Universidad Technica Federico Santa Maria: W. Feick

Denmark

Royal Technical University of Denmark: J. Rybner

Germany

Göttingen, Univ. of: E. W. Meyer
Rheinisch-Westfälische Technische Hochschule: H. Doring
*Technische Hochschule Muenchen: H. Piloty
*Technische Universität Berlin: F. W. Gundlach

India

Indian Inst. of Tech.: G. H. Fett
Madras Inst. of Tech.: P. V. V. S. Sastry

* Schools with approved Student Branches.

Italy

Padova, Universita di: G. Francini
*Rome, Univ. of: G. Barzilai
Universita Degli Studi Di Bologna: E. De Castro

Japan

Electronic Institute of Kyoto Univ.: T. Tanaka
Osaka Univ.: H. Ozaki
Tokyo, The Univ. of: I. Koga

Mexico

Instituto Tecnologico y de Estudios Superiores de Monterrey: J. M. Diaz Noriega

Netherlands

Gemeentelijke Universiteit van Amsterdam: A. Van Wijngaarden
Katholieke Universiteit Van Nijmegen: A. J. L. Van Egmond
Technical Univ. of Delft: H. R. van Nauta Lemke
Technische Hogeschool te Eindhoven: J. F. Schouten

Puerto Rico

*Puerto Rico, Univ. of: B. Dueno

Sweden

Chalmers Inst. Tech.: Kjell-Olof Yngveson

Switzerland

Swiss Federal Inst. Tech.: F. E. Borgnis

United States

*Academy of Aeronautics: J. F. Canavan
Adelphi College: F. W. Terman
*Air Force Inst. Tech.: T. L. Regulinski
*Akron, Univ. of: M. L. Kult
*Alabama, Univ. of: O. P. McDuff
*Alaska, Univ. of: R. P. Merritt
*Arizona State Univ.: C. R. Zimmer
*Arizona, Univ. of: L. P. Huelsman
*Arkansas, Univ. of: F. W. Lewis
*Arlington State College: S. T. Lanham, Sr.
*Auburn Univ.: H. M. Summer
Augustana College: V. R. Nelson
*Bradley Univ.: T. L. Stewart
*Brevard Engineering College: R. A. Work, Jr.
*Bridgeport, Univ. of: D. M. Silverstone
*Brigham Young Univ.: R. C. Woodbury
*Bronx Community College (Day Division): S. Lawrence
*Bronx Community College (Evening Division): F. J. Berger
Brooklyn College: E. H. Green
*Brooklyn, Polytech. Inst. (Day Division): F. T. Boesch
*Brooklyn, Polytech. Inst. (Evening Division): G. J. Kent
*Broome Technical College: L. J. Sitterlee
*Brown Univ.: R. D. Kodis
*Bucknell Univ.: H. Webb
Buffalo, The Univ. of: F. P. Fischer
*California Inst. Tech.: F. J. Mullin
*California State Polytech. College: (Kelllogg-Voorhis Campus, Pomona): R. W. Ritchie
*California State Polytech. College (San Luis Obispo): H. J. Hendriks
California, Univ. of at L.A.: R. C. Mackey

California, Univ. of at Riverside:—T. T. Taylor
*California, Univ. of (Berkeley): W. J. Welch
*Capitol Radio Engineering Inst.: J. A. Morrisey
*Carnegie Inst. Tech.: D. L. Feucht
*Case Inst. Tech.: R. Plonsey
*Catholic Univ. of America: G. E. Mc Duffie, Jr.
*Central Tech. Inst.: J. E. Lovan
Chico State College: W. G. Lane
*Christian Brothers College: I. J. Haas
*Cincinnati, Univ. of: R. H. Engelmann
*Clarkson College of Tech.: J. V. Landon
*Clemson College: J. Brittain
*Colorado State Univ.: D. E. Cottrell
Colorado, Univ. of (Extension Center): M. E. Capehart
*Colorado, Univ. of (Boulder): N. B. Kindig
*Columbia Univ.: S. C. Bigelow
Community College and Technical Institute of Temple Univ.: R. D. Fidler
*Connecticut, Univ. of: H. M. Luca
*Cooper Union: J. B. Sherman
*Cornell Univ.: T. McLean
Dartmouth College: M. G. Morgan
*Dayton, Univ. of: L. H. Rose
*Dayton, Univ. of (Tech. Inst): R. R. Hazen
*Delaware, Univ. of: L. P. Bolgiano, Jr.
*Denver, Univ. of: D. R. Dubbert
*Detroit, Univ. of: G. M. Chute
*DeVry Tech. Inst.: J. T. Anagnos
*Drexel Inst. Tech.: D. H. LeCroissette
*Duke Univ.: H. A. Owen, Jr.
*Electronic Tech. Inst.: C. L. Thacker
Evansville College: C. G. Winterheimer
*Fairleigh Dickinson Univ.: W. Schick
*Fenn College: K. S. Sherman
*Florida, Univ. of: R. L. Bailey
Florida State Univ.: W. J. Remillard
*Franklin Tech. Inst.: R. L. Harris
Franklin Univ.: D. Moore
Fresno State College: O. F. Foin, Jr.
Gannon College: J. E. Palmer
Gaston Technical Inst.: D. R. Abernathy
General Motors Inst.: C. A. Common
Georgetown Univ.: A. P. Dietz
*George Washington Univ.: G. Abraham
*Georgia Inst. Tech.: T. M. White, Jr.
Gonzaga Univ.: H. J. Webb
Hartford, Univ. of (School of Engineering): J. D. Driscoll
Harvard Univ.: F. K. Willenbrock
Harvey Mudd College: J. E. Monson
Haverford College: T. A. Benham
Hawaii, Univ. of: K. Najita
*Heald Engrg. College: To be advised
Hillyer College of the Univ. of Hartford: I. S. Boak
*Hofstra College: B. Zeines
*Houston, Univ. of (College of Engrg.): E. L. Michaels
*Houston, Univ. of (College of Tech.): G. C. McKay, Jr.
*Howard Univ.: W. K. Sherman
*Idaho, Univ. of: G. A. McKean
*Illinois Inst. Tech.: L. C. Peach
*Illinois, Univ. of (Navy Pier, Chicago): H. A. Setton
*Illinois, Univ. of (Urbana): P. F. Schwarze
lose
Indiana Technical College: To be advised
*Iowa, State Univ. of: W. J. Streib
*Iowa State Univ. of Science and Tech.: P. M. Anderson

- *John Carroll Univ.: W. F. O'Hearn, Jr.
 *Johns Hopkins Univ.: W. H. Huggins
 *Kansas State Univ. of Agriculture and Applied Science: C. A. Halijak
 *Kansas, Univ. of: D. Rummer
 *Kentucky, Univ. of: H. J. Daily
 *Lafayette College: F. W. Smith
 *Lamar State College of Tech.: F. M. Crum
 *LaSalle College: A. H. Benner
 *Lehigh Univ.: W. F. Hollabaugh
 *Long Beach State College: G. H. Cain (Appointment pending)
 *Los Angeles State College of Applied Arts and Sciences: E. H. Kopp
 *Louisiana Polytech. Inst.: D. L. Johnson
 *Louisiana State Univ.: L. V. McLean
 *Louisville, Univ. of: S. T. Fife
 *Lowell Technological Inst.: C. A. Stevens
 *Loyola Univ.: E. P. Kessler
 *Maine, Univ. of: C. M. Brown
 *Manhattan College: C. A. Welsh
 *Marquette Univ.: S. Krupnik, Jr.
 *Maryland, Univ. of: H. W. Price, Jr.
 *Massachusetts Inst. Tech.: J. W. Graham
 *Massachusetts, Univ. of: J. E. Laestadius
 *Merrimack College: G. J. Kirwin
 *Miami, Univ. of: F. B. Lucas
 *Michigan College of Mining and Tech.: R. J. Jones
 *Michigan State Univ.: D. P. Brown
 *Michigan, Univ. of: J. E. Rowe
 *Milwaukee School of Engrg.: F. J. Lofy
 *Minnesota, Univ. of: E. R. Chenette
 *Mississippi State Univ.: W. L. McDaniel, Jr.
 Mississippi, Univ. of: R. A. Herring, Jr.
 *Missouri School of Mines and Metallurgy: R. E. Nolte
 *Missouri, Univ. of: J. R. Tudor
 *Mohawk Valley Tech. Inst.: M. R. Serbyn
 Monmouth College: F. A. Brand
 *Montana State College: R. C. Seibel
 National Technical Schools: H. M. Hughes
 *Nebraska, Univ. of: W. C. Robison
 Nebraska Wesleyan Univ.: W. G. Elwell
 *Nevada, Univ. of: I. J. Sandorf
 *Newark College of Engrg.: D. W. Dickey
 *New Bedford Inst. Tech.: R. Walder
 *New Hampshire, Univ. of: R. R. Clark
 New Haven College: W. R. Dresser
 New Mexico Highlands Univ.: E. Prochniak
 *New Mexico State Univ.: H. Coleman
 *New Mexico, Univ. of: R. D. Kelly
 *New York, City College of: V. Deltoro
 *New York City Community College: H. Allen
 *New York Inst. Tech.: M. Meo
 *New York Univ. (Day Div.): G. Herskowitz
 *New York Univ. (Eve. Div.): H. J. Perlis
 New York Univ. (Graduate Center): E. Schutzman
 *North Carolina State College: W. J. Barclay (Appointment pending)
- *North Dakota State Univ.: E. G. Anderson
 *North Dakota, Univ. of: C. J. Thomforde
 *Northeastern Univ.: M. J. Carrabes
 *Northrop Inst. Tech.: O. J. Switzer
 *Northwestern Univ.: R. W. Jones
 *Norwich Univ.: R. F. Marsh
 *Notre Dame, Univ. of: C. H. Hoffman
 Oberlin College: C. E. Howe
 Ohio College of Applied Science: J. W. Steffee
 *Ohio Northern Univ.: J. L. Klingenberg
 *Ohio State Univ.: R. E. Fenton
 *Ohio Univ.: F. W. Cartland
 *Oklahoma City Univ.: F. W. Ashley
 *Oklahoma State Univ.: D. D. Lingelbach
 *Oklahoma, The Univ. of: C. E. Harp
 *Omaha, Municipal Univ. of: J. G. McMullan
 *Oregon State College: D. L. Amort
 *Oregon Tech. Inst.: D. B. Orrell
 *Pacific States Univ.: D. G. Gritton
 Pacific Union College: I. R. Neilsen
 *Pennsylvania State Univ.: G. R. P. Bulman
 *Pennsylvania, Univ. of: T. Marshall
 *Pierce College: D. E. Fleckles
 *Pittsburgh, Univ. of: A. W. Revay, Jr.
 *Port Arthur College: R. M. Dolson
 Portland, Univ. of: W. H. Vassallo
 *Pratt Inst.: D. Vitrogan
 *Princeton Univ.: R. B. Kerr
 Providence College: E. B. Halton
 *Purdue Univ.: L. L. Ogborn
 *Queensborough Community College: L. Katz
 RCA Institutes, Inc.: B. S. Anolik
 RCA Institutes, Inc. (Los Angeles): C. H. Saville
 Radio Electronic Television Schools, Inc.: R. Divins
 *Radio Engrg. Inst.: R. L. Hill
 Reed College: J. F. Delord
 *Rensselaer Polytech. Inst.: H. D. Harris
 *Rhode Island, Univ. of: R. F. Hill
 *Rice Univ.: C. R. Wischmeyer
 *Rochester Inst. Tech.: C. F. Piotraschke
 Rochester, Univ. of: D. S. Ruchkin
 *Rose Polytech. Inst.: C. C. Rogers
 *Rutgers Univ.: C. V. Longo
 *St. Joseph's College: B. E. Gaffney
 *St. Louis Univ.: G. E. Dreifke
 *San Diego State College: C. R. Moe
 *San Fernando Valley State College: P. H. Nelson
 *San Francisco State College: R. B. Maxheimer
 *San Jose State College: H. Engwicht
 *Santa Clara, Univ. of: D. F. Jones
 *Seattle Univ.: T. J. Healy
 *Sinclair College: P. C. Miller
 *South Carolina, Univ. of: R. G. Fellers
 *South Dakota School of Mines and Tech.: C. W. Cox
 *South Dakota State College of Agriculture and Mechanic Arts: J. N. Cheadle
- *Southern California, Univ. of: H. H. Kuehl
 *Southern Methodist Univ.: L. L. Howard
 *Southern Technical Inst.: R. C. Carter
 *Southwest Missouri State College: G. J. Brown
 *Southwestern Louisiana, Univ. of: F. J. Boudreaux
 *Stanford Univ.: R. W. Newcomb
 *State Univ. of New York at Alfred: J. S. Smith
 State Univ. of New York at Farmingdale: W. I. Satre
 Staten Island Community College of The City Univ. of New York: R. E. Spock (Appointment pending)
 *Stevens Inst. Tech.: E. Peskin
 *Swarthmore College: C. Barus
 *Syracuse Univ.: E. J. Kletsky
 *Tennessee A & I State Univ.: F. W. Bright
 *Tennessee, Univ. of: H. P. Neff, Jr.
 *Texas College of Arts and Industries: J. R. Guinn, Jr.
 *Texas, Agricultural and Mechanical College of: J. P. German
 *Texas Tech. College: C. E. Houston
 Texas Western College: E. A. Dean
 *Texas, Univ. of: E. Lowenberg
 *Toledo, Univ. of: D. J. Ewing, Jr.
 *Tri-State College: L. G. Hanson
 *Tufts Univ.: A. L. Pike
 *Tulane Univ.: J. A. Cronvich
 *Union College: R. B. Kuss
 *Union County Technical Inst.: G. R. Woerner
 U. S. Naval Academy: J. L. Daley
 *U. S. Naval Postgraduate School: G. R. Giet
 *Utah State Univ.: D. G. Chadwick
 *Utah, Univ. of: D. K. Gehmlich
 *Valparaiso Technical Inst.: E. E. Bullis
 *Valparaiso Univ.: E. J. Luecke
 *Vanderbilt Univ.: (Appointment pending)
 *Vermont, Univ. of: W. O. Essler
 *Villanova Univ.: N. Ljungman
 *Virginia Polytech. Inst.: R. R. Wright
 *Virginia, Univ. of: E. J. White
 *Voorhees Technical Inst.: P. B. Zbar
 Wagner College: L. C. Lewis
 Walla Walla College: C. V. Bell
 *Washington State Univ.: A. L. Betts
 *Washington, Univ. of: E. C. Guilford
 *Washington Univ.: R. Ozment
 *Wayne State Univ.: D. V. Stocker
 *Wentworth Inst.: L. A. Kain
 *Western Michigan Univ.: G. Wilcox
 West Coast Univ.: H. S. Cole
 *West Virginia Inst. Tech.: J. M. Propps
 *West Virginia Univ.: J. B. Kreer
 *Wichita, Univ. of: R. L. Schrag
 Williams College: H. P. Stabler
 *Wisconsin, Univ. of: G. Koehler
 *Worcester Polytech. Inst.: W. R. Grogan
 *Wyoming, Univ. of: E. M. Lonsdale
 *Yale Univ.: J. G. Skalnik
 *Youngstown Univ.: K. H. Wong

IRE REPRESENTATIVES ON OTHER BODIES

- Council for the American Association for Advancement of Science (AAAS): H. M. O'Bryan; L. G. Cumming, alternate
- American Standards Association, Inc. (ASA)
U. S. Advisory Committee of the International Organization for Standardization Technical Committee 69 on Statistical Treatment of Series of Observations (ISO/TC 69): Leon Bass
- ASA Conference of Executives of Organization Members: G. W. Bailey; L. G. Cumming, alternate
- ASA Standards Council: H. R. Mimno, L. G. Cumming, alternate
- ASA Electrical Standards Board: M. W. Baldwin, Jr.; H. R. Mimno; W. T. Wintringham; L. G. Cumming, alternate
- ASA Acoustical Standards Board: W. W. Lang; L. G. Cumming, alternate
- ASA Graphic Standards Board: J. M. Carroll; H. R. Terhune, alternate
- ASA Nuclear Standards Board: G. A. Morton; W. E. Shoupp, alternate (1); L. G. Cumming, alternate (2)
- ASA Sectional Committee (C16) on Radio: (Sponsored by IRE): D. E. Noble, Chairman; D. E. Harnett; M. W. Baldwin, Jr.; L. G. Cumming, Secretary
- ASA Sectional Committee (C39) on Electrical Measuring Instruments: C. D. Owens; G. B. Hoadley, alternate
- ASA Sectional Committee (C42) on Definitions of Electrical Terms: M. W. Baldwin, Jr.; J. G. Brainerd; H. R. Mimno; W. T. Wintringham
- ASA Subcommittee (C42.1) on General Terms: J. G. Brainerd
- ASA Subcommittee (C42.13) on Communications: C. H. Page
- ASA Subcommittee (C42.14) on Electron Tubes: G. A. Espersen; A. S. Luftman
- ASA Sectional Committee (C60) on Standardization on Electron Tubes: G. A. Espersen; G. D. O'Neill
- ASA Sectional Committee (C61) on Electric and Magnetic Magnitudes and Units: J. W. Horton; S. A. Schelkunoff
- ASA Sectional Committee (C63) on Radio-Electrical Coordination: S. I. Cohn; R. M. Showers
- ASA Sectional Committee (C67) on Standardization of Voltages—Preferred Voltages—100 Volts and Under: No IRE voting Representatives. Liaison: J. R. Steen
- ASA Sectional Committee (C83) on Components for Electronic Equipment: P. K. McElroy
- ASA Sectional Committee (C85) on Terminology for Automatic Controls: F. Zweig; J. E. Ward; G. S. Axelby
- ASA Sectional Committee (C94) on Semiconductor Electron Devices: R. H. Rediker; R. L. Pritchard
- ASA Section Committee (C95) on Standardization in the Field of Radio-Frequency Electromagnetic Radiation Hazards: S. J. Burruano; A. L. Albin, alternate
- ASA Sectional Committee (N3) on Nuclear Instrumentation (Sponsored by IRE): L. Costrell, Chairman; L. G. Cumming, Secretary; I. M. Jacobs
- ASA Sectional Committee (N4) on Electrical Apparatus and Systems for the Nuclear Field: C. S. Walker
- ASA Sectional Committee (N6) on Reactor Hazards: W. Kerr
- ASA Sectional Committee (S1) on Acoustics: B. B. Bauer
- ASA Sectional Committee (S3) on Bio-acoustics: C. M. Harris
- ASA Sectional Committee (S4) on Sound Recording (Sponsored by IRE): H. E. Roys, Chairman; F. A. Comerci; A. W. Friend, alternate; L. G. Cumming, Secretary
- ASA Sectional Committee (X3) on Data Processing machines: G. W. Patterson, L. C. Hobbs, alternate
- ASA Sectional Committee (X6) on Computers and Related Equipment: D. R. Brown, G. W. Patterson, alternate
- ASA Sectional Committee (Y1) on Abbreviations: J. M. Carroll; H. R. Terhune, alternate
- ASA Sectional Committee (Y10) on Letter Symbols: J. M. Carroll; H. R. Terhune, alternate
- ASA Subcommittee (Y10.9) on Letter Symbols for Radio: R. G. Stranix
- ASA Subcommittee (Y10.14) on Nomenclature for Feedback Control Systems: W. A. Lynch; J. E. Ward
- ASA Sectional Committee (Y14) on Standards for Drawing and Drafting Room Practices: C. R. Muller
- ASA Sectional Committee (Y15) on Preferred Practice for the Preparation of Graphs, Charts and other Technical Illustrations: C. R. Muller; D. M. Faller, alternate
- ASA Sectional Committee (Y32) on Graphical Symbols and Designations: R. V. Rice; H. R. Terhune; A. F. Pomeroy, alternate
- ASA Sectional Committee (Z17) on Preferred Numbers: H. R. Terhune
- ASA Sectional Committee (Z58) on Standardization of Optics: T. G. Veal; W. B. England, alternate
- International Electrotechnical Commission (IEC) U. S. National Committee: J. G. Brainerd; D. E. Noble; C. H. Page; L. G. Cumming, alternate
- International Radio Consultative Committee (CCIR) Executive Committee of U. S. Delegation: R. M. Emberson; E. Weber; L. G. Cumming, alternate
- International Scientific Radio Union (URSI) Executive Committee, U. S. National Committee: S. J. Bailey; L. V. Berkner; E. Weber; L. G. Cumming, alternate
- Joint IRE-EIA-SMPTE-NAB Committee for Inter-Society Coordination (JCIC) (Television): D. E. Weber, *Standards Coordinator*, (ex-officio); M. W. Baldwin, Jr.; W. T. Wintringham; L. G. Cumming, alternate
- National Academy of Science—National Research Council, Advisory Board of the Office of Critical Tables: E. Weber
- National Bureau of Standards (NBS) IRE Technical Advisory Committee: H. G. Booker; S. L. Bailey; R. A. Hellwell; A. H. Waynick (Chairman); A. D. Wheelon; E. C. Jordan; R. Kompsner; A. A. Oliner; J. C. Simons, Jr.; J. G. Brainerd; W. A. Higinbotham; J. C. McPherson; W. H. Radford; D. G. Fink; L. Podolsky
- NBS Journal of Research: A. H. Waynick
- National Electronics Conference (NEC): W. B. Bruene
- National Research Council (NRC) Division of Engineering and Industrial Research: D. B. Sinclair; H. W. Wells, alternate

Bureau of Standards, Boulder, Colo.; G. B. Hoadley, Dept. of E.E., North Carolina State College, Raleigh, N. C.

Microwave Theory and Techniques (G-17)

T. N. Anderson, EMT Corp., Syosset Industrial Park, 210 Michael Dr., Syosset, L. I., N. Y.; D. D. King, Electronic Commun., Inc., 1830 York Rd., Timonium, Md.

Military Electronics (G-24)—W. L. Doxey, EC Dept., USARDL, Fort Monmouth, N. J.; D. R. Rhodes, Radiation Inc., Box 37, Melbourne, Fla.

Nuclear Science (G-5)—L. Costrell, Nuclear Inst. Sec., NBS, Washington 25, D. C.; R. F. Shea, Dig Power Plant

Engrg., Knolls Atomic Power Lab., General Electric Company, Schenectady, N. Y.

Product Engineering and Production (G-22)

A. R. Gray, Astronics of Florida, Inc., 1110 S. Woods St., Box 5606, Orlando, Fla.; D. B. Ehrenpreis, 325 Spring St., New York, N. Y.

Radio Frequency Interference (G-27)

H. E. Dinger, Naval Research Lab., Washington 25, D. C.; O. P. Schreiber, Technical Wire Prods., Inc., 129 Dermody St., Cranford, N. J.

Reliability and Quality Control (G-7)

L. J. Paddison, Sandia Corp., Sandia Base, Albuquerque, N. Mex.; W. X. Lamb, Jr.,

22124 Dumetz Rd., Woodland Hills, Calif.

Space Electronics and Telemetry (G-10)

K. M. Uglow, Jr., 2228 Oriole Dr., Sarasota, Fla.; F. T. Sinnott, Mail Zone 549-30, Convair-Astronautics, San Diego 12, Calif.

Ultrasonics Engineering (G-20)—V. Salmon, Stanford Research Inst., Menlo Park, Calif.; O. E. Mattiat, Res. Div., Acoustica Associates Inc., 415 E. Moutecito St., Santa Barbara, Calif.

Vehicular Communications (G-6)—R. P. Gifford, General Electric Co., Rm. 206, Mountain View Rd., Lynchburg, Va.; W. G. Chaney, AT&T Co., 195 Broadway, New York 7, N. Y.

Sections*

Akron (4)—C. M. Kelly, 2915 Silver Lake Circle, Cuyahoga Falls, Ohio; D. Grant, 1206 Thorndale Dr., Akron 20, Ohio.

Alamogordo-Holloman (7)—W. S. Stotts, 1507 Michigan Ave., Alamogordo, N. Mex.; T. Castillo, 2611 Pontiac Ave., Alamogordo, N. Mex.

Albuquerque-Los Alamos (7)—R. K. Moore, 608 Vassar Dr., N.E., Albuquerque, N. Mex.; F. H. Jean, 1017 Alcazar, N.E., Albuquerque, N. Mex.

Anchorage (7)—H. D. DeVoe, Box 644, Anchorage, Alaska; J. T. Little, Star Route B, Box 3453, Spenard, Alaska.

Atlanta (3)—B. E. Montgomery, 6520 Bridgewood Valley, Atlanta 5, Ga.; R. S. Duggan, Jr., 1112 Mason Woods, Dr., N.E., Atlanta 6, Ga.

Baltimore (3)—J. T. Wilner, 2610 N. Charles St., Station WBAL, Baltimore 18, Md.; E. B. Cole, Jr., 103 Glenwood Rd., Bel Air, Md.

Bay of Quinte (8)—M. B. Broughton, Elec. Engrg. Dept., Royal Military College, Kingston, Ont., Canada; E. E. Pascal, 45 Benjamin St., STE-32, Belleville, Ont., Canada.

Beaumont-Port Arthur (6)—H. W. Bartlett, 3790 Ironton, Beaumont, Tex.; R. Cunningham, Rte. 1, Box 181, Kirbyville, Tex.

Benelux—Herre Rinia, Parklaan 24, Eindhoven, Netherlands; G. J. Siezen, 3 Konig Willem III Laan, Blaricum, Holland.

Binghamton (1)—F. W. Schaaf, R.D. 1, Apalachin, N. Y.; D. W. Deno, 3149 Briar Cliff Ave., R.D. 1, Vestal, N. Y.

Boston (1)—G. P. McCouch, Alcott Rd., Concord, Mass.; R. E. Scott, 114-H Northeastern Univ., Boston 15, Mass.

Buenos Aires—J. M. Barcala, 71-385 La

* Numerals in parentheses following sections designate region number. First name designates Chairman; second name Secretary.

Plata, FCNGR, Republica, Argentina; E. J. Kirkscether, Arenales 3598-A, Buenos Aires, Argentina.

Buffalo-Niagara (1)—D. P. Sante, 4530 Greenbriar Rd., Williamsville 21, N. Y.; F. A. Timberlake, 169 Greenhaven Terrace, Tonawanda, N. Y.

Canaveral (3)—C. E. Mattox, 209 Beverly Rd., Cocoa, Fla.; W. J. Haberhern, Jr., 118 Atlantic Blvd., Eau Gallie, Fla.

Cedar Rapids (5)—S. M. Morrison, 2034 Fourth Ave., S.E., Cedar Rapids, Iowa; A. E. Anderson, 1054 34 St., N.E., Cedar Rapids, Iowa.

Central Pennsylvania (4)—W. J. Ross, 105 Elec. Engrg. Dept., University Park, Pa.; J. L. Brown, Jr., Ordnance Research Lab., P.O. Box, 30 State College, Pa.

Chicago (5)—W. B. McClelland, 1601 Cherry St., Park Ridge, Ill.; P. D. Huston, 233 S. Villa Ave., Elmhurst, Ill.

Chile—J. del Rio, Corp. de Radio de Chile, Casilla 1407, Santiago, Chile; J. de la Quintana, IBM World Trade Corp., Cassila 3630, Santiago, Chile.

China Lake (7)—D. W. Kermode, USNOTS, P.O. Box 577, China Lake, Calif.; D. P. Kasper, 1803-B Young Circle, China Lake, Calif.

Cincinnati (4)—A. J. Bissonette, 680 Tyler, Milford, Ohio; J. W. Murray, 5603 Green Acres Court, Cincinnati 11, Ohio.

Cleveland (4)—R. Kazarian, 2031 Lakeview Ave., Rocky River, Cleveland 16, Ohio; J. I. Sheetz, Ohio Bell Telephone Co., 700 Prospect Ave., Rm. 704, Cleveland 15, Ohio.

Colombia—W. Westphal, Carrera Fa., #40-62, Bogota D. E., Colombia, S. A.; B. Alzate, Calle 48, #23-26, Apt. 401, Bogota, Colombia, S. A.

Columbus (4)—F. A. Wolf, 354 Chatham Rd., Columbus 14, Ohio; E. N. Wyler, 109 W. Stafford, Worthington, Ohio.

Connecticut (1)—S. C. Wadham, 13 Derwen St., Glenbrook, Conn.; P. N. John-

stone, Twin Lakes Rd., North Branford, Conn.

Dallas (6)—T. Prickett, Jr., 805 Clearwater Dr., Richardson, Tex.; C. K. Hager, 2709 Greenbrook Dr., Garland, Tex.

Dayton (4)—R. J. Framme, 316 Claranna, Dayton 9, Ohio; S. Weissman, 805 Eppington Dr., N., Trotwood, Ohio.

Denver (6)—H. S. Johnson, 1241 Monaco Pkwy., Denver 20, Colo.; F. P. Venditti, Denver Res. Inst., Univ. of Denver, Denver 10, Colo.

Detroit (4)—D. V. Stocker, Dept. of Elec. Engrg., Wayne Univ., Detroit 2, Mich.; L. E. Barber, 402 N. Troy St., Royal Oak, Mich.

Egypt—H. M. Mahmoud, 24 Falaki St., Cairo, Egypt; El-Garhi I. El-Kashlan, 46 Suez-Kanal St., Engineering City, Imbaba, Cairo, Egypt.

Elmira-Corning (1)—T. G. Keeton, 611 McDowell Place Elmira, N. Y.; R. K. Ainey, Westinghouse Elec. Corp., Box 284, Elmira, N. Y.

El Paso (6)—A. M. Rojas H., 2326 Copper St., El Paso, Tex.; C. W. Brown, 325 Encino Drive, El Paso, Tex.

Emporium (4)—H. W. Herbert, Sylvania Electric Products, Inc., Emporium, Pa.; R. F. Bergdahl, R.F.D. 2, Emporium, Pa.

Erie (1)—R. S. Page, 1224 Idaho Ave., Erie, Pa.; K. I. Challstrom, Buffalo Rd., R.D. 1, Harborcreek, Pa.

Evansville-Owensboro (5)—K. G. Miles, 2105 East Gum St., Evansville 14, Ind.; F. R. Snyder, 2521 Iroquois Dr., Owensboro, Ky.

Florida West Coast (3)—R. E. Henning, Sperry Microwave Electronics Co., Box 1828, Clearwater, Fla.; C. W. Benfield, 605 First St., S.E., Largo, Fla.

Fort Huachuca (7)—J. W. Virden, 102 Crandell St., Fort Huachuca, Ariz.; L. J. Knight, 135 Jeffords St., Fort Huachuca, Ariz.

Fort Wayne (5)—C. F. Mason, 1519½

- Crescent Ave., Fort Wayne, Ind.; D. W. Von Berg, 4015 Wedgewood Dr., Fort Wayne, Ind.
- Fort Worth** (6)—S. T. Lanham, Sr., 5017 Vicki, Fort Worth 17, Tex.; M. F. Sheppard, 2324 Clearview, Fort Worth, Tex.
- Français**—J. R. Pernice 15 Rue de la Faisanderie, Paris 16, France; J. D. Lebel, Lab. de Physique, Ecole Normal Supérieure, 24 Rue Lhomond, Paris 5, France.
- Gainesville** (3)—A. D. Sutherland, 1626 N.W. 14 Ave., Gainesville, Fla.; A. T. Raczyński, Sperry Elec. Tube Div., Gainesville, Fla.
- Geneva**—G. C. Gross, I.T.U., Palais Wilson, Geneva, Switzerland; Secretary to be advised.
- Hamilton** (8)—F. H. Edwards, United-Carr Fastener Company of Canada, Ltd., 231 Gage Ave., N., Hamilton, Ont., Canada; C. C. Minchel, Canada Westinghouse Co., Elec. Tube Div., Plant 2, Hamilton, Ont., Canada.
- Hawaii** (7)—E. A. Piety, 2030 Home Rule St., Honolulu 17, Hawaii; G. H. Stagner, 525 Lunalilo Home Rd., Honolulu 16, Hawaii.
- Houston** (6)—L. A. Mullan, Radio Station KTRH, Rice Hotel, Houston 2, Tex.; J. A. Beyer, 5221 Lincrest Lane, Houston 27, Tex.
- Huntsville** (3)—D. E. Rowe, 8602 Camille Dr., S.E., Huntsville, Ala.; J. A. Power, 4003 Marie St., Apt. 1, Huntsville, Ala. India—Officers to be advised.
- Indianapolis** (5)—S. M. Stuhlbarg, 4904 Staughton Dr., Indianapolis, Ind.; R. C. Olsen, 4040 Adams Court, N., Indianapolis, Ind.
- Izmir**—Chairman to be advised; H. Fischler, Luzzmann Inst. of Science, Dept. of Electronics, Box 26, Rehovoth, Israel.
- Italy**—A. Marino, Via Guido d'Arezzo 14, Rome, Italy; G. P. Tarchini, Laboratorio Ricerche Elettr., Via de Parlamento N. 33, Borgolombardo, Milan, Italy.
- Ithaca** (1)—H. L. Heydt, GE Advanced Elec. Ctr., Tomkins County Airport, Ithaca, N.Y.; M. E. Hollar, Advanced Electronics Ctr., G.E. Co., Ithaca, N.Y.
- Kansas City** (6)—F. A. Spies, Bendix Aviation Corp., Box 1159, Kansas City 41, Mo.; K. D. Benedict, 1032 East Alton, Independence, Mo.
- Kitchener-Waterloo** (8)—B. S. McConachie, Raytheon Canada, Ltd., 61 Laurel St., E., Waterloo, Ont., Canada; W. J. Grey, Raytheon Canada, Ltd., Box 8, 400 Phillips St., Waterloo, Ont., Canada.
- Las Vegas** (7)—J. H. Jurmain, Edgerton, Germeshausen, Grier, 300 Wall St., Box 1912, Las Vegas, Nev.; L. S. Kreyer, 617 Twin Lakes Dr., Las Vegas, Nev.
- Little Rock** (6)—R. V. Anders, 5801 Windermere Dr., Little Rock, Ark.; W. C. Allsopp, Jr., Ark. Industrial Electric Co., 5020 Club Rd., Little Rock, Ark.
- London** (8)—T. W. W. Stewart, 1 Susan Ave., London, Ont., Canada; R. W. Johnson, 9 Ingleside Place, London, Ont., Canada.
- Long Island** (2)—J. W. Kearney, Airborne Instruments Lab., Walt Whitman Rd., Levittown, L.I., N.Y.; C. H. Doersam, Jr., Instruments for Industry, 101 New South Rd., Hicksville, L.I., N.Y.
- Los Angeles** (7)—J. J. Guerrera, 17160 Gresham St., Northridge, Calif.; E. E. Ingebretsen, 15435 Tupper St., Sepulveda, Calif.
- Louisville** (5)—H. T. Smith, Kentucky Rural Elec. Co-op Corp., 4515 Bishop Lane, Louisville 18, Ky.; E. L. Marven, Sr., 811 Camden Ave., Louisville 15, Ky.
- Lubbock** (6)—H. A. Spuhler, Texas Tech. College, Dept. of E.E., Lubbock, Tex.; E. F. Kilcrease, 2114 38 St., Lubbock, Tex.
- Miami** (3)—G. A. Liedholz, 6060 S.W. 114 St., Miami 56, Fla.; J. R. Haeger, 1240 S. Alhambra Circle, Coral Gables 46, Fla.
- Milwaukee** (5)—T. H. Houle, 1000 S. 56 St., West Allis 14, Wis.; K. J. Schlager, 1519 N. 118 St., Wauwatosa 13, Wis.
- Mobile** (3)—C. R. Hicks, 4128 N. Marietta Dr., Mobile, Ala.; E. G. Schone, Box 4102, Mobile, Ala.
- Montreal** (8)—H. H. Schwartz, 5212 King Edward Ave., Montreal 29, Que., Canada; A. Breton, Ecole Polytechnique, 2500 Marie Guyard Ave., Montreal 26, Que., Canada.
- Newfoundland** (8)—Chairman to be advised; F. A. Mulloy, 55 Calver Ave., St., John's Newf., Canada.
- New Orleans** (6)—G. Allen, 4239 St. Charles Ave., Apt. C, New Orleans, 15, La.; N. R. Landry, 6079 Louisville St., New Orleans 24, La.
- New York** (2)—H. W. Pollack, 300 Lennox Road, Brooklyn, N.Y.; E. Schutzman, College of Engrg., New York University, University Heights, New York 53, N.Y.
- North Carolina** (3)—W. E. Lansford, 3260 Nottingham Rd., Winston, Salem, N.C.; J. I. Barron, Southern Bell T and T Co., Box 240, Charlotte, N.C.
- Northern Alberta** (9)—L. N. Donovan, 24 Birch Dr., Box 136, St. Alberta, Alta., Canada.; R. A. McLean, 9516 69 A St., Edmonton, Alberta, Canada.
- Northern New Jersey** (2)—H. S. Wertz, 111 Parsonage Rd., Short Hills, N.J.; M. E. Levine, Tung-Sol Electric, Inc., 545 N. Arlington Ave., East Orange, N.J.
- Northwest Florida** (3)—F. J. Sites, 29-B Boatner Dr., Eglin Village, Eglin AFB, Fla.; H. G. Wise, Box 878, Fort Walton Beach, Fla.
- Oklahoma City** (6)—E. Black, 1701 N.W. 35 St., Oklahoma City 18, Okla.; J. M. Ashworth, 3934 N.W. 34 St., Oklahoma City 12, Okla.
- Omaha-Lincoln** (5)—J. A. Rogers, 3815 Marcy St., Omaha 5, Neb.; C. Hyde, 312 Ferguson Hall, Univ. of Neb., Lincoln 8, Neb.
- Orlando** (3)—J. R. Matzinger, 1825 Whitehall Dr., Winter Park, Fla.; C. E. McGinnis, 1720 Shawnee Trail, Maitland, Fla.
- Ottawa** (8)—W. R. Conway, 2075 Woodcrest Rd., Ottawa 1, Ont., Canada; S. G. Jones, 1910 Haig Dr., Ottawa 1, Ont., Canada.
- Philadelphia** (3)—R. M. Showers, Moore School of Elec. Engrg., 200 S. 33 St., Philadelphia 4, Pa.; P. A. Lathrop, 19 Sweetgum Rd., Levittown, Pa.
- Phoenix** (7)—H. R. Hyder, III., 2523 N. 57 St., Phoenix, Ariz.; R. K. Peterson, 2034 W. Rancho Dr., Phoenix 15, Ariz.
- Pittsburgh** (4)—R. I. Van Nice, 112 Delaware Court, Glenshaw, Pa.; R. P. O'Shea, Rear 125 Woodvale Ave., Johnstown, Pa.
- Portland** (7)—M. L. Morgan, 12907 S.W. 62 Ave., Portland 19, Ore.; C. H. Moulton, 1625 S.W. 87 Ave., Portland 1, Ore.
- Princeton** (2)—R. D. Lohman, RCA, Somerville, N.J.; O. E. Dow, RCA Labs., Princeton, N.J.
- Quebec** (8)—R. M. Vaillancourt, 638 Ave. Mon Repos, Ste. Foy, Quebec 10, Que., Canada; K. A. Laurie, 775 Calixa LaVallee, Apt. 15, Quebec 6, Que., Canada.
- Regina** (8)—S. K. Smith, c/o Saskatchewan Govt. Tel., 2350 Albert, Regina, Sask., Canada; G. H. Beuker, 2901 Athol St., Regina, Sask., Canada.
- Rio de Janeiro**—J. A. Wiltgen, Caixa Postal 450, Rio de Janeiro, DF, Brazil; C. J. Chapin, c/o Riggs National Bank, DuPont Circle Branch, 1913 Massachusetts Ave., N.W., Washington 6, D.C.
- Rochester** (1)—J. L. Wheeler, 535 Rondo Lane, Webster, N.Y.; D. W. Healy, Jr., Univ. of Rochester, River Campus Station, Rochester 20, N.Y.
- Rome-Utica** (1)—R. A. Zachary, Jr., 11 Arbor Dr., New Hartford, N.Y.; C. J. Civin, 4 Colonial Dr., New Hartford, N.Y.
- Sacramento** (7)—A. O. Rohde, 3160 Adams Rd., Sacramento 25, Calif.; J. C. Bissett, 8717 Jonnie Way, Fair Oaks, Calif.
- St. Louis** (6)—G. E. Barnard, 639 N. 69 St., East St. Louis, Ill.; E. A. Kuhlman, 9020 Cardinal Ter., Brentwood 17, Mo.
- Salt Lake City** (7)—A. W. Vodak, 2587 Sherwood Dr., Salt Lake City, Utah.; H. J. Redd, 1771 Severn Dr., Salt Lake City 17, Utah.
- San Antonio-Austin** (6)—W. L. Donaldson, 129 El Cerrito Circle, San Antonio 12, Tex.; C. R. Graf, 207 Addax Dr., San Antonio 1, Tex.
- San Diego** (7)—E. W. Carlson, 3154 Bremerton Pl., La Jolla, Calif.; A. C. Greeley, 2615 Kim Pl., San Diego 11, Calif.
- San Francisco** (7)—S. F. Kaisel, Microwave Electronics Corp., 4061 Transport St., Palo Alto, Calif.; Acting Secretary: A. T. Waterman, Jr., Electronics Research Lab., Stanford University, Stanford, Calif.
- Schenectady** (1)—T. G. Mihran, G.E. Research Lab., Box 1088, Schenectady, N.Y.; F. J. Ellert, G.E. Co., Bldg. 37, Rm. 578, 1 River Rd., Schenectady, N.Y.
- Seattle** (7)—W. J. Siddons, 6539 39 St., N.E., Seattle 15, Wash.; W. L. Green, 7202 N. Mercer Way, Mercer Island, Wash.
- Shreveport** (6)—E. J. Culling, 3252 Sarah St., Bossier City, La.; E. C. Strickland, 2914 Bolch St., Shreveport, La.
- South Bend-Mishawaka** (5)—H. W. Vogtmann, Bendix Mishawaka Div., 400 S. Beiger St., Mishawaka, Ind.; N. O. Kindt, 50635 Dresden Dr., South Bend 17, Ind.
- South Carolina** (3)—J. Taylor, 6417 Westshore Rd., Columbia, S.C.; J. Bouvy, 4700 Oakwood Rd., Columbia, S.C.
- Southern Alberta** (8)—R. E. Smith, 1507-20 A St., N.W., Calgary, Alta., Canada; G. E. Parkinson, 735 35 St., N.W., Calgary, Alta., Canada.
- Syracuse** (1)—G. F. Platts, 101 Iroquois Lane, Liverpool, N.Y.; G. M. Kirkpatrick, 202 David Dr., N. Syracuse 12, N.Y.
- Tokyo**—Miyaichi Tomota, Yokogawa Elec. Works, Ltd., 3000 Kichijoji, Musashino-Shi, Tokyo, Japan; Fumio Minozuma, 16 Ohara-Machi, Meguro-Ku, Tokyo, Japan.
- Toledo** (4)—R. B. Williams, Jr., 5945 Summit St., Sylvania, Ohio; H. R. Holmes, 3557 149 St., Toledo, Ohio.
- Toronto** (8)—G. T. Quigley, Philips Indus-

tries, Ltd., Vanderhoof Ave., Leaside, Toronto 17, Ont., Canada; F. A. Ford, Canadian GE Co., Ltd., 830 Lansdowne Ave., Toronto 4, Ont., Canada.

Tucson (7)—R. L. Patterson, 5418 E. Second St., Tucson, Ariz.; J. L. Dunn, 725 W. Comobabi Dr., Rt. 6, Box 319C, Tucson, Ariz.

Tulsa (6)—P. M. Ferguson, 1133 N, Lewis, Tulsa 10, Okla.; D. P. Hearn, 748 S. 87th E. Ave., Tulsa 12, Okla.

Twin Cities (5)—H. D. Shekels, 1942 Beechwood, St. Paul 16, Minn.; A. L. Martin, Jr., 8714 Second Ave. S., Bloomington 20, Minn.

Vancouver (8)—H. A. Hoyles, 1846 Beau-

lynn Pl., Westlynn Park, North Vancouver, B. C. Canada; T. D. Cushing, Lenkurt Elec. Co. of Canada, N. Barnaby P.O., Vancouver, B. C., Canada.

Virginia (3)—G. L. Harvey, Sperry Piedmont Co., Rte 29, Charlottesville, Va.; E. J. Brauner, 1412 Brookville La., Lynchburg, Va.

Washington (3)—B. S. Melton, 3921 Mayfair Lane, Alexandria, Va.; W. B. Swift, C-E-I-R, Inc., 1200 Jefferson Davis Hwy., Arlington 2, Va.

Western Massachusetts (1)—R. H. Shupe, 52 Elaine Dr., Pittsfield, Mass.; W. B. Conover, General Electric Co., 100 Plastics Ave., Pittsfield, Mass.

Western Michigan (4)—J. D. Barfus, 6482 52 St. S.E., Grand Rapids 8, Mich.; J. Czerniak, 2744 Bellevue Rd., Muskegon, Mich.

Wichita (6)—R. L. Schrag, Elec. Engrg. Dept., Univ. of Wichita, Wichita 8, Kan.; W. G. Louie, 758 Mansfield Drive, Wichita 7, Kan.

Williamsport (5)—J. J. De Gan, 117 Eldred St., Williamsport, Pa.; T. P. Warne, 324 Tinsman Ave., Williamsport, Pa.

Winnipeg (8)—W. H. Galpin, 175 Lanmark St., Winnipeg 9, Man., Canada; R. I. Punshon, Canadian Broadcasting Corp., 540 Portage Ave., Winnipeg, Man., Canada.

Subsections

Buenaventura (7)—L. E. Wood, 630 W. Highland Dr., Camarillo, Calif.; J. A. Frederick, 455 Corsicana Dr., Oxnard, Calif.

Burlington (5)—R. A. Wilcox, Box 561, Apt. 120, Burlington, Iowa; P. D. Keser, Box 123, Burlington, Iowa.

Catskill (2)—C. R. Eickhorn, Jr., 29 Ratterman Rd., Woodstock, N. Y.; R. A. Heassler, R.D. 5, Box 52, Kingston, N. Y.

Crescent Bay (7)—H. Iams, 1325 Goucher St., Pacific Palisades, Calif.; H. H. Wilson, 16623 Gilmore St., Van Nuys, Calif.

East Bay (7)—E. A. Aas, 2684 Kennedy St., Livermore, Calif.; T. Hamm, Jr., 4364 Colgate Way, Livermore, Calif.

Eastern North Carolina (3)—V. D. Duncan, Country Club Homes, Apt. K-3, Raleigh, N. C.; J. S. Hill, II, 2114 Buckingham Rd., Raleigh, N. C.

Fairfield County (1)—R. Townsend, 56 Gardner St., Darien, Conn.; L. Pritkin, 2 Boxwood Rd., Norwalk, Conn.

Lancaster (3)—Y. Uyeda, 1924 Pine Dr., Lancaster, Pa.; R. M. Matheson, 2728 Brookfield Rd., Lancaster, Pa.

Las Cruces-White Sands Proving Ground (6)—H. Coleman, Rte. 1, Box 4B, Las Cruces, N. M.; Secretary to be advised.

Lehigh Valley (3)—J. H. Volk, 411 Grant St., Easton, Pa.; A. I. Larky, Lehigh Univ., Dept. of Elec. Engrg., Bethlehem, Pa.

Memphis (3)—C. Ray, Dept. of Neurosurgery, Baptist Memorial Hospital, Memphis 3, Tenn.; Brother I. J. Haas, Christian Brothers College, Memphis 4, Tenn.

Merrimac Valley (1)—D. D. Sagaser, Bell Telephone Labs., 1600 Osgood St., North Andover, Mass.; W. Banton, 21 Walnut St., North Andover, Mass.

Mid-Hudson (2)—R. J. Domenico, IBM Research Lab., Poughkeepsie, N. Y.; W. Cadden, 67 Round Hill Rd., Poughkeepsie, N. Y.

Monmouth (2)—P. E. Griffith, 557 Cedar Ave., West Long Branch, N. J.; V. E. Reilly, 25 Lenox Rd., Eatontown, N. J.

Nashville (3)—G. P. McAllister, 2923 Twin Lawn Dr., Nashville 14, Tenn.; W. B. Kincaid, Jr., 210 Graeme Dr., Nashville 14, Tenn.

New Hampshire (1)—R. O. Goodwin, 130 Colgate Rd., Nashua, N. H.; J. Butler, Groton Rd., R.F.D. 2, Nashua, N. H.

Northern Vermont (1)—R. A. Marcotte, Valleyview Dr., RD 1, Essex Junction, Vt.; W. C. Chase, WDEV, 9 Stowe St., Waterbury, Vt.

Orange Belt (7)—J. F. McElwee, 455 N. Live Oak Ave., Glendora, Calif.; R. J. Sticht, 705 N. East End Ave., Pomona, Calif.

Palm Beach (3)—R. F. Wernlund, 2115 Lake Bass Circle, Lake Worth, Fla.; V. F. Adams, Jr., 521 Inlet Rd., N. Palm Beach, Fla.

Panama City (3)—J. F. Ault, 1305 Cornell Dr., Panama City, Fla.; R. C. Lowry, 2342 Pretty Bayou Dr., Panama City, Fla.

Pasadena (7)—F. L. Mosely, 700 Fleutridge, Pasadena 5, Calif.; J. C. Crosby, 9018 Youngdale, San Gabriel, Calif.

Piedmont (3)—Officers to be advised.

Pikes Peak (6)—B. J. Bittner, Box 3217, North End Station, Colorado Springs, Colo.; A. O. Behnke, 204 Westcott Ave., Colorado Springs, Colo.

Reading (3)—L. H. Von Ohlsen, Jr., 2015 Bernville Rd., Greenfields, Reading, Pa.; R. M. LeLacheur, 1637 Dauphin Ave., Wyomissing, Pa.

Richland (7)—R. A. Harvey, 657 Cottonwood Dr., Richland, Wash.; D. D. Bisby, 703 Catskill, Richland, Wash.

San Fernando Valley (7)—R. L. Halpern, 3315 Longridge Ave., Sherman Oaks, Calif.; J. L. Brown, 17408 Mayflower Dr., Granada Hills, Calif.

Santa Ana (7)—Dr. N. Yaru, Hughes Aircraft Co., Fullerton, Calif.; H. E. Foster, Autometrics, Anaheim, Calif.

Santa Barbara (7)—J. E. Hacke, Box 535, Santa Barbara, Calif.; S. R. Boyle, Defense Electronics Div., General Electric Co., 735 State St., Santa Barbara, Calif.

Southwestern Ontario (8)—R. A. Clark, 2558 Byng Rd., Windsor, Ont., Canada; Secretary to be advised.

Tidewater (3)—Officers to be advised.

Victoria (8)—C. L. Madill, 2786 Murray Dr., Victoria, B. C., Canada; A. M. Baxter, 620 Rockland Place, Victoria, B. C., Canada.

Westchester County (2)—M. Ziserman, 26 Edgewood Rd., Hartsdale, N. Y.; M. L. Brailey, 12 Dupont Ave., White Plains, N. Y.

Western North Carolina (3)—F. F. Bate- man, 926 Stanfield Dr., Charlotte 9, N. C.; C. W. Whitley, 2810 Dunlavin Way, Charlotte, N. C.