

SMPTE Administrative Committees

ADMISSIONS. *To pass upon all applications for membership, applications for transfer, and to review the Student and Associate membership lists periodically for possible transfer to the Associate and Active grades, respectively. The duties of each committee are limited to applications and transfers originating in the geographic area covered.*

Frank N. Gillette, *National Chairman*, General Precision Laboratory, 63 Bedford Rd., Pleasantville, N.Y.
 C. R. Fordyce, *Chairman, East*, Eastman Kodak Co., Kodak Park, Rochester 4, N.Y.
 James L. Wassell, *Chairman, Central*, Bell & Howell, 7100 McCormick Rd., Chicago 45
 Robert G. Hufford, *Chairman, West*, Eastman Kodak Co., 6706 Santa Monica Blvd., Hollywood 38
 Burton F. Perry, *Chairman, International*, 5 Hilltop Rd., Port Washington, L. I., N.Y.

C. R. Fordyce Robert G. Hufford Burton F. Perry James L. Wassell
 Howard A. Chinn Boyce Nemec Donald W. Dixon
 Geo. W. Colburn Robert Herbst Kenneth M. Mason
 Edward P. Ancona Harry Brueggemann Ub Iwerks
 Arthur F. Baldwin Gordon A. Chambers Robert C. Rheineck

ADVISORS TO THE PRESIDENT. *To report through its Chairman those future actions of the Society which would be most useful in the following areas:*

Motion Pictures: Norwood L. Simmons, *Chairman*, Eastman Kodak Co., 6706 Santa Monica Blvd., Hollywood 38
 Sol Halprin A. Alan Jackson Gordon E. Sawycr S. P. Solow

Television: W. T. Wintringham, *Chairman*, Bell Telephone Laboratories, Murray Hill, N.J.
 Goerge W. Bartlett Louis Forsdale Charles J. Hirsch Hubert Schlafly Howard W. Town

Education: Steve Knudsen, *Chairman*, Film Production Unit, Alice Norton House, Iowa State University, Ames, Iowa
 Herbert E. Farmer L. B. Happe James L. Wassell Duane M. Weise

Instrumentation and High-Speed Photography: Max Beard, *Chairman*, 10703 East Nolcrest Dr., Silver Spring, Md.
 Carlos H. Elmer William G. Hyzer J. S. Courtney-Pratt Morton Sultanoff

ADVISORS TO THE PRESIDENT ON EUROPEAN AFFAIRS. *To act as liaison between the Society at large and European firms, individuals and organizations interested in motion-picture and television engineering.*

Great Britain: Leslie Knopp, Cinematograph Exhibitors Assn. of Great Britain & Ireland, 164 Shaftsbury Ave., London, W.C. 2, England
Continental:-----

BOARD OF EDITORS. *To pass upon the suitability of all manuscripts submitted for publication, accepting or rejecting the material on the basis of technical merit.*

Pierre Mertz, *Chairman*, 66 Leamington St., Lido, Long Beach, N.Y.
 Harlan L. Baumbach Harold E. Edgerton Alan M. Gundelfinger Walter I. Kisner Waldemar J. Poch W. T. Wintringham
 Gerald M. Best Carlos H. Elmer Charles W. Handley Ralph E. Lovell Allen L. Sorem Harold Wright
 J. S. Courtney-Pratt Charles R. Fordyce Russell C. Holslag Herbert W. Pangborn R. T. Van Niman Charles W. Wyckoff
 George R. Crane Lloyd T. Goldsmith Clyde R. Keith Bernard D. Plakun Deane R. White Emerson Yorke
 Bernard E. Drimmer Lorin D. Grignon

E. I. DU PONT GOLD MEDAL AWARD. *To recommend to the Board of Governors annually a candidate who has made outstanding contributions in the development of new techniques or equipment which have contributed to the improvement of the engineering phases of instrumentation and/or high-speed photography.*

Carlos H. Elmer, *Chairman*, P.O. Box 875, Scottsdale, Ariz.
 Robert Betty J. S. Courtney-Pratt William G. Hyzer Charles W. Wyckoff

EDUCATION COMMITTEE. *To assist in improving the technical training of engineers and technicians for motion pictures and television and to develop appropriate curricula in educational institutions.*

Edgar A. Schuller, *National Chairman*, Reeves Sound Studios, 304 East 44 St., New York 17

East Coast

Burton F. Perry, *Chairman*, 5 Hilltop Rd., Port Washington, N. Y.
 Julian L. Bernstein Arthur E. Fury Homer Elder Charles Lipow

East Coast College Liaison Committee

Charles Lipow, *Chairman*, The Camera Mart, 1845 Broadway, New York 23

East Coast Television Committee

Arthur E. Fury, *Chairman*, 9-23 124 St., College Point 56, N.Y.
 Julian L. Bernstein Joseph A. Flaherty, Jr. Albert Malang

East Coast Joint Studio-Laboratory Sound Committee

Homer Elder, *Chairman*, Recording Studios Inc., 1639 Broadway, New York 20

John A. Pistor, *Chairman*, Steering Subcommittee

John Arvonio	Stephen DeSatnick	Christopher Lankester	Frederick Schaeffer
J. Norman Bennett	Murray Dichter	Gary Liebman	Egon Schartel
Frank Berman	Don Donigi	George Lewin	Arthur Schoenfuss
Fritz Bicknese	Russell Dupree	Arthur Locke	Robert Smith
Hiram Brown	Herbert Edelman	Richard Manchec	Walter Strysko
Robert Buescher	Nicholas Ferrara	John Mangan	James Townsend, Jr.
Thomas Cahill	Harold Freedman	Gustave Mortensen	Floyd Weber
Edward Cantor	Frank Giovanelli	Richard Norton	Charles Wickham
A. Cavelli	Henry Grossman	Harvey Quintal	Kenneth Williams
Michael Chitty	William Jordan	Robert Rosein	Charles Younger
John Demeter	Harry W. Knop		

East Coast Sound CommitteeJulian L. Bernstein, *Chairman*, RCA Institutes, 350 West 4 St., New York 12**Central**Hans C. Wohlrab, *Chairman*, Bell & Howell Co., 7100 McCormick Rd., Chicago 45

Jack Behrend

William Hedden

Kenneth Mason

Philip Smith

West CoastJohn R. Sullivan, *Chairman*, Eastman Kodak Co., 6706 Santa Monica Blvd., Hollywood 38

Herbert E. Farmer

Edward H. Reichard

FELLOW MEMBERSHIP. *To consider qualifications of Active members as candidates for elevation to Fellow, and to submit such nominations to the Board of Governors.*J. W. Servies, *Chairman*, National Theatre Supply Co., 50 Prospect Ave., Tarrytown, N.Y.

Michael W. Barlow

William D. Hedden

A. H. Lind

Forrest A. Richey

James W. Bostwick

C. E. Heppberger

Philip Martin, Jr.

Donald J. Southard

W. C. Brandsma

R. G. Herbst

Arthur J. Miller

E. M. Stifle

Edward E. Burris

Wilton R. Holm

Garland C. Misener

Morton Sultanoff

Gordon A. Chambers

Robert G. Hufford

William M. O'Rork

Deane R. White

Geo. W. Colburn

R. A. Isberg

James L. Pettus

Rollo G. Williams

Leroy M. Dearing

John P. Kiel

Reid H. Ray

W. T. Wintringham

Joseph T. Dougherty

Harold Kinzle

Robert G. Redd

Charles W. Wyckoff

Herbert E. Farmer

FINANCIAL ADVISORY COMMITTEE. *To recommend to the President and the Board of Governors plans and policies relative to the Society's long-range financial needs.*Joseph T. Dougherty, *Chairman*, E. I. du Pont de Nemours & Co., Inc., 45 Rockefeller Plaza, Rm. 550, New York 20

Kenneth M. Mason

Byron Roudabush

E. M. Stifle

Harry Teitelbaum

HISTORICAL AND MUSEUM. *To collect facts and assemble data relating to the historical development of the motion-picture, television and photo-instrumentation industries, to encourage pioneers to place their work on record in the form of papers for publication in the JOURNAL, and to secure equipment and materials of historic significance for placement in suitable depositories.*Glenn E. Matthews, *Chairman*, 55 Stoneham Rd., Rochester 25, N.Y.

Max Beard

John G. McCullough

Norwood L. Simmons

Walter Clark

Pierre Mertz

Earl I. Sponable

Raymond E. Fielding

Eugene Ostroff

Malcolm G. Townsley

Samuel G. Rose

HONORARY MEMBERSHIP. *To search diligently for worthy candidates who through their basic inventions or outstanding accomplishments over many years have contributed to the advancement of the motion-picture and television industries and to propose such candidates to the Board of Governors*Kenneth M. Mason, *Chairman*, Eastman Kodak Co., 2006 Prudential Bldg., Chicago 1, Ill.

Howard A. Chinn

William E. Gephart, Jr.

Fenner G. Headley

Rodger J. Ross

JOURNAL AWARD. *To recommend to the Board of Governors the author or authors of the most outstanding paper originally published in the JOURNAL during the previous calendar year to receive the Society's Journal Award; and to recommend other papers, not to exceed five, for Honorable Mention. To also recommend to the Board of Governors for the Student Member award the author or authors of the most outstanding paper prepared and submitted by a Student Member during the school year which terminates in the calendar year in which the award is given.*H. Theodore Harding, *Chairman*, E. I. du Pont de Nemours & Co., Inc., 11535 Nemours Bldg., Wilmington, Del.

William E. Gephart

Harold Jones

Richard E. Putman

T. Gentry Veal

HERBERT T. KALMUS GOLD MEDAL AWARD. *To recommend to the Board of Governors annually a candidate who has made outstanding contributions in the development of color films, processes, techniques or equipment useful in making color motion pictures for theater or television use.*C. J. Staud, *Chairman*, Eastman Kodak Co., Research Laboratories, Rochester 4, N.Y.

R. M. Corbin

John Kowalak

F. W. H. Mueller

Edward H. Reichard

MEMBERSHIP. *To interest and assist qualified individuals in joining the Society.*Edward A. Winkler, *National Chairman*, Eastman Kodak Co., 342 Madison Ave., New York 17*ATLANTA Chairman*, B. M. Loden, Box 37, North Side Branch, Atlanta, Ga.

Wilkes Straley

Charles F. Vale

Harold M. Walker

BOSTON Chairman, Joseph Rothberg, Dekko Film Productions, 126 Dartmouth St., Boston, Mass.

Nicholas Cedrone

Willard Hauser

Edward Kornstein

CANADIAN Chairman, Michael Stechly, Applied Electronics, 23 Cantmotor Avenue, Toronto 18, Ont., Canada

Helmut H. Berger

Maurice French

Bernie McAllister

George Bova

Ken Jones

Lou T. Wise

Donald W. Dixon

CHICAGO Chairman, Daniel S. Giroux, Argonne National Laboratory, Box 299, Lemont, Ill.

S. D. Bateman

Orlando Knydsen

Richard E. Vuillaume

Donald G. Cain

Kenneth M. Mason

James L. Wassell

James E. Dickert

Wilfred C. Prather

Robert J. Yuskaitus

William A. Drake

Reid H. Ray

DALLAS-FORT WORTH Chairman, Bruce S. Jamieson, 6521 Danbury Lane, Dallas, Tex.

Richard T. Blair

Roddy K. Keitz

Erwin J. Pattist

Lewis E. Cearly, Jr.

George E. Krutilek

Robert Redd

Bruce Howard

Malcolm D. McCarty

Philip Wygant

DETROIT Chairman, Raymond Balousek, 24 Custer Street, Detroit 2, Mich.

Maurice J. Arim

Dean C. Cook

Richard O. Painter

Robert F. Blair

Charles O. Dennis

William H. Smith

James W. Bostwick

Cliff Hanna

Oldrich Skudrna

John F. Browne
John A. Campbell

George F. Helberg
John J. Kroll

George C. Theodoran
Howard W. Town

HOLLYWOOD *Chairman*, Hartwell Townes Sweeney, Eastman Kodak Company, 6706 Santa Monica Blvd., Hollywood 38, Calif.

R. W. Casey
M. Q. Crane
K. D. Erhardt
H. Gausman

A. P. Green
J. W. Kaylor
Ralph E. Lovell

A. C. Macauley
J. B. Nicholson
W. D. Rice

HUNTSVILLE *Chairman*, Clifford H. Paul, 210 Vincent Rd., Huntsville, Ala.

Richard Atwell
Philip Chalmers

Edith Deavers
William H. Hatcher

Reed M. Jacoway
William D. Powers

Hal Seawright

NASHVILLE *Chairman*, Frank M. McGeary, Motion Picture Laboratories, Inc., 781 South Main Street, Memphis 6, Tenn.

Jack Decker

G. K. Futrell

Robert E. Hawkins^s

NEW YORK *Chairman*, Donald H. Horton, W. J. German, Inc., 2 Jane St., Ft. Lee, N.J.

Elie Katz
Morris Kellman
Norman Leigh
Charles F. Lo Balbo

Dermic Maclean
Norman Mandel
Herbert Pitzer
Harold Posner

Wallace Robbins
Bert Spielvogel
C. L. Wickham

ROCHESTER *Chairman*, Raymond DeMoulin, Eastman Kodak Company, Kodak Park, Building 65, Rochester 13, N. Y.

Fred E. Aufhauser
Joseph S. Chandler
C. H. Evans
Gerald K. Evans
J. L. Forrest
David C. Gilkeson

John Hayes
S. C. Holland
Robert Lovick
D. F. Lyman
J. M. Moriarty

Rodney S. Perry
R. E. Putman
Franklin R. Reinking
Stanley Stahura
Allan L. Williams

SAN FRANCISCO *Chairman*, Harry Jacobs, 333 Buena Vista Avenue, Mill Valley, Calif.

W. H. Hartman

Jack Shawcroft

WASHINGTON *Chairman*, Horace O. Jones, Victor Animatograph Corp., 2480 16 St., N. W., Washington, D.C.

R. B. Dane
Don Duke

H. M. Fisher
A. L. Foster

William E. Youngs

INTERNATIONAL *Chairman*, Rev. Anson C. Moorhouse, United Church of Canada, 315 Queen St., E., Toronto 2, Ont., Canada

F. J. Appleton, Australia	J. L. Fields, Mexico	Yeh Li, Formosa	J. M. Rosello, Peru	Victor Trentino, Italy
M. J. Ashley, New Zealand	Albert Gillet, France	F. W. Lowe, Chile	Z. U. I. Sheikh, Pakistan	E. J. Verscheuren, The Netherlands
Kemel Baysal, Turkey	Pritam Kapila, India	Harry More, China	W. M. Sirry, Egypt	Juan Viguie, Puerto Rico
Rene Boeniger, Switzerland	Marcos Kavlin, Bolivia	A. S. Mueller, Lebanon	George Tahara, Hawaii	H. V. Zepplin, Philippines
S. M. Escalona, Spain	W. De Lane Lea, England	Yoshio Osawa, Japan		

NOMINATING. *To recommend nominations to the Board of Governors for annual election of officers and governors.*

J. W. Servies, *Chairman*, National Theatre Supply Co., 50 Prospect Ave., Tarrytown, N.Y.

John O. Aalberg
Max Beard

Gerald G. Graham
Kenneth M. Mason

Robert C. Rheineck
Byron Roudabush

Norwood L. Simmons
Malcolm G. Townsley

PAPERS. *To solicit papers and provide the program for national conventions, maintain a close liaison with the editorial office of the Society relative to manuscripts for publication, and make available to local sections for their meetings papers presented at national conventions.*

C. Loren Graham, *General Chairman*, Eastman Kodak Co., Bldg. 65, Rochester 15, N.Y.

Regional Chairmen (United States)

Charles D. Beeland, *Chairman*, Atlanta, Charles D. Beeland Co., 70 Fourth St., N.W., Atlanta 8, Ga.
Morton H. Read, *Chairman*, Boston, Bay State Film Productions, Box 129, Springfield, Mass.
Jack Behrend, *Chairman*, Chicago, Behrend Cine Corp., 161 East Grand Ave., Chicago 11, Ill.
Roddy K. Keitz, *Chairman*, Dallas-Ft. Worth, Keitz & Herndon, Inc., 3601 Oak Grove, Dallas 4, Texas
Richard O. Painter, *Chairman*, Detroit, GM Proving Ground, Milford, Mich.
John M. Waner, *Chairman*, Hollywood, Eastman Kodak Co., 6706 Santa Monica Blvd., Hollywood 38
Ralph L. Hucaby, *Chairman*, Nashville, 945 Caldwell Lane, Nashville, Tenn.
Allan L. Williams, *Chairman*, Rochester, Eastman Kodak Co., Bldg. 6, Film Testing Div., Kodak Park, Rochester 15, N.Y.
R. A. Isberg, *Chairman*, San Francisco, 2519 Parker St., Berkeley 4, Calif.
Max Beard, *Chairman*, Washington, 10703 East Nolcrest Dr., Silver Spring, Md.

National Regional Chairmen

Rodger J. Ross, *International Vice-Chairman*, Canadian Broadcasting Corp., 354 Jarvis St., Toronto, Ont., Canada

Western Hemisphere (except United States)

ARGENTINA: Pablo Taberero, Laboratorios Alex S. A., Dragones 2250, Buenos Aires

BRAZIL: — — —

CANADA: Hellmut Berger, Boton Broadcasting Ltd., 1550 McCowan St., Box 9, Agincourt, Ont.

CHILE: Andres Martorell De Llanza, Casilla 3043, Santiago

COLOMBIA: — — —

MEXICO: Paul M. Wilson, Kodak Mexicana Ltd., Londres 16, Administracion De Correos 68, Mexico 6, D. F.

PERU: Jose Maria Rosello, Estudios Cinematograficos Rosello, Casillo Correo 3116, Lima

PUERTO RICO: Pedro Mabanta, Kodak Puerto Rico Ltd., 305 Ponce de Leon, P.O. Box 5006, Puerta de Tierra Sta., San Juan 4

VENEZUELA: Alfredo J. Rosiano, Bolivar Films, C. A., Apartado 786, Caracas

SUSTAINING MEMBERSHIP. *To solicit new Sustaining Members and thereby obtain adequate financial support required by the Society to carry on its technical and engineering activities.*

Joseph T. Dougherty, *Chairman*, E. I. du Pont de Nemours & Co., Inc., 45 Rockefeller Plaza, Rm. 550, New York 20

S. W. Caldwell	Saul Jeffee	John Maynard	Werner H. Ruhl	Charles W. Wyckoff
G. Carleton Hunt	Roddy K. Keitz	Frank M. McGeary	John Stott	

SAMUEL L. WARNER AWARD. *To recommend to the Board of Governors a candidate who has done the most outstanding work in the field of sound motion-picture engineering, in the development of new and improved methods or apparatus designed for sound motion pictures, including any steps in the process, and who is deemed eligible to receive the Samuel L. Warner Memorial Award of the Society.*

Malcolm G. Townsley, *Chairman*, Bell & Howell, 7100 McCormick Rd., Chicago 45, Ill.

G. R. Crane	Lorin D. Grignon	R. G. Hennessey	John M. Moriarity	Edward Schmidt
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SMPTE Engineering Committees

The Engineering Vice-President, D. R. White, has appointed the chairmen and committee members listed below to serve for his two-year term of office, January 1, 1962, through December 31, 1963.

Inquiries regarding committee projects or membership should be directed to Alex E. Alden, Staff Engineer, at Society Headquarters.

COLOR. *To make recommendations and prepare specifications for the operation, maintenance, and servicing of color motion-picture processes, accessory equipment, studio lighting, selection of studio set colors, color cameras, color motion-picture films, and general color photography.*

L. M. Dearing, *Chairman*, 11955 Lockridge Road, Studio City, Calif.

E. P. Bertero	A. A. Duryea	A. M. Gundelfinger	F. P. Herrnfeld	W. E. Pohl	J. M. Waner
F. J. Bingley	K. D. Erhardt	R. E. Harrington	W. R. Holm	H. C. Ross	J. P. Weiss
H. E. Bragg	R. M. Evans	R. E. Heinbach	A. J. Miller	L. E. Varden	W. T. Wintringham
H. P. Brueggemann	F. H. Gerhardt				

FILM DIMENSIONS. *To make recommendations and prepare specifications on those film dimensions which affect performance and interchangeability, and to investigate new methods of cutting and perforating motion-picture film in addition to the study of its physical properties.*

W. C. Brandsma, *Chairman*, Photo Products Dept., E. I. du Pont de Nemours & Co., Inc., Parlin, N.J.

J. E. Aiken	R. E. Heinbach	A. J. Miller	R. J. Panos	W. E. Pohl	M. G. Townsley
Richard DeBonna	W. G. Hill	G. C. Misener	R. W. Payne	A. C. Robertson	

FILM PROJECTION PRACTICE. *To make recommendations and prepare specifications which will aid in the attainment of good quality in showing motion-picture films in theaters from studies of relevant engineering practices regarding projection equipment and conditions, projection rooms, film storage facilities, stage arrangements, screen dimensions, placement and characteristics, brightness of the motion-picture screen image, and the effect of ambient light.*

C. E. Heppberger, *Chairman*, National Carbon Co., 230 N. Michigan Ave., Chicago 1, Ill.

M. L. Baron	C. W. Handley	R. G. Herbst	F. J. Kolb	F. H. Riffle	Edward Stanko
Walter Beyer	A. J. Hatch	Y. G. Hurd	Edward Lachman	Ben Schlanger	Allen Stimson
Willy Borberg	D. F. Haworth	D. V. Kloepfel	F. D. Leslie	H. H. Schroeder	C. L. Wickham
F. E. Cahill	R. E. Heinbach	J. J. Kohler	Frank McBrien	J. W. Servies	J. J. Zaro
C. L. Greene					

INSTRUMENTATION AND HIGH-SPEED PHOTOGRAPHY. *To further the development and utilization of instruments and techniques associated with instrumentation and high-speed photography.*

Morton Sultanoff, *Chairman*, Terminal Ballistics Lab., Aberdeen Proving Ground, Md.

M. L. Baron	C. H. Elmer	S. M. Hauser	Kenneth Morgan	H. R. Roglin	J. S. Tamer
Max Beard	F. M. Emens	R. E. Heinbach	J. H. Niemeyer	E. L. Scott	J. H. Waddell
R. M. Betty	L. L. Endelman	W. G. Hyzer	R. O. Painter	R. D. Shoberg	W. R. Wilson
J. S. Courtney-Pratt	G. H. Gordon	Harold Jones	D. H. Peterson	D. J. Southard	R. L. Wolford
Alexander Easson	W. C. Griffin	J. S. Keller	A. E. Quinn	L. E. Steadman	C. W. Wyckoff
H. E. Edgerton	H. T. Harding	Karl-Heinz Lohse			

LABORATORY PRACTICE. *To make recommendations and prepare specifications for the operation, maintenance, and servicing of motion-picture printers, processing machines, inspection projectors, splicing machines, film-cleaning and treating equipment, rewinding equipment, any type of film-handling accessories, methods, and processes which offer increased efficiency and improvements in the photographic quality of the final print.*

W. D. Hedden, *Chairman*, Calvin Productions, Inc., 1105 Truman Rd., Kansas City 6, Mo.

V. D. Armstrong	G. W. Colburn	Allan Haines	H. W. Knop	R. W. Payne	F. J. Scobey
H. L. Baumbach	D. W. Dixon	R. E. Heinbach	J. J. Kowalak	W. E. Pohl	M. G. Townsley
T. J. Braun	H. J. Freedman	F. P. Herrnfeld	C. F. Lo Balbo	E. H. Reichard	J. L. Wassell
O. E. Cantor	J. S. Fritzen	R. P. Ireland	R. H. Nothdurft	H. C. Ross	Ralph Westfall
G. A. Chambers	R. C. Haburton	J. W. Kaylor			

16MM AND 8MM MOTION PICTURES. *To make recommendations and prepare specifications for 16mm and 8mm cameras, 16mm sound recorders and sound-recording practices, 16mm and 8mm printers and other film laboratory equipment and practices, 16mm and 8mm projectors, splicing machines, screen dimensions and placement, loudspeaker output and placement, preview or theater arrangement, test films, and the like, which will improve the quality of 16mm and 8mm motion pictures.*

R. G. Herbst, *Chairman*, Bell and Howell Co., 7100 McCormick Rd., Chicago 45, Ill.

L. J. Anderson	E. W. D'Arcy	W. D. Hedden	R. C. Holslag	J. A. Maurer	F. H. Rixton
D. L. Babcock	J. L. Forrest	R. E. Heinbach	F. J. Kelly	B. F. Melchionni	A. C. Robertson
M. L. Baron	D. C. Gilkeson	R. G. Hennessey	H. W. Knop	W. H. Offenhauser	J. M. Unger
R. E. Birr	Morris Goldberg	F. P. Herrnfeld	F. E. Lane	Martin Renger	R. T. Van Niman
G. W. Colburn	T. B. Gromak	R. H. Hodges	R. T. MacFarlane		