

In selecting a manuscript for publication, the *IBM Systems Journal* follows the practice of most professional journals in using the authors' peers who act as referees to review the manuscripts. The editors rely heavily on the advice of these referees, who voluntarily contribute their time and expertise to maintain the standards of the *Journal*. A referee is anonymous, so that an author does not know the source of advice, comments, or criticism. Usually three referees evaluate each manuscript, with one referee chosen from outside IBM to ensure impartiality.

On behalf of our contributors, editors, and readers, we periodically thank our referees publicly. Listed below are those who served as referees from March 1977 through March 1981.

Vijay Ahuja	Raymond E. Bird	R. Capelli
Arnold O. Allen	Michael W. Blasgen	Eric D. Carlson
Clopper Almon	Ben Blau	William C. Carter
Harold A. Anderson, Jr.	James F. Boericke	Steven M. Cawn
Allen L. Anthony	Peter Bowen	Wei Chang
Douglas C. Antonelli	James M. Boyle	Alphonse Chapanis
Arthur Appel	D. M. Braddock	Gary K. Chien
R. A. Archambeault	Paul Braun	Robert T. Chien
Joel D. Aron	William H. Briggs	Willy W. Chiu
H. Pat Artis	John W. Brittain	David Choy
Ron Ashany	LeeRoy Bronner	J. O. Church III
Shaku Atre	Frederick C. Brooks, Jr.	J. A. Cisper
Eric M. Aupperle	J. Drew Brown	E. F. Codd
Marc A. Auslander	James A. Brunet	James P. Considine
F. Terry Baker	Karen R. Brustman	Jack E. Cook
Yonathan Bard	William M. Buco	James C. Cooper
William Bayfield	Richard B. Bunt	Joel H. Cord
Laszlo A. Belady	Robert S. Burchi	Frank P. Corr
R. M. Belone	G. T. Burkett	B. D. Corwin
John L. Bennett	Kevin F. Bury	Robert H. Courtney
Ozzi I. Bermant	Jeffrey P. Buzen	Robert P. Crabtree
William F. Beyer	N. S. Cabrera	D. C. Crane
John P. Birch	David G. Cantor	Harlan Crowder
		Phillip G. Cullum

Gordon W. Cunningham  
Rudy J. Cypser

D. W. Daetwyler  
L. N. Danner  
Kenton W. David  
G. A. Deckert  
Peter deJong  
Norbert J. Denil  
G. M. DePass  
F. T. DeRaffele  
J. A. Devereaux  
Barbara Dobbin  
Walter J. Doherty  
W. L. Donally  
Thomas W. Dougherty  
Mansford E. Drummond, Jr.  
Jack W. Duey  
Steve L. Dunik  
M. Dyer

Janet M. Early  
Thomas R. Edel  
Howard Edelson  
G. Edwards  
N. P. Edwards  
Lucian D. Endicott  
Wesley G. Ernsberger  
R. J. Evey

Brice Farwell  
Jerome H. Ferguson  
Eduardo B. Fernandez  
Domenico Ferrari  
D. J. Fick  
C. T. Fike  
J. D. Fisher  
Joseph E. Flanagan  
J. L. Forman  
R. I. Frank  
Herman P. Friedman

Forrest Garnett  
Jan Gecsei  
F. W. Gerbracht  
Jan P. Gerry  
T. A. Gilbert  
Mark L. Gillenson  
Martha R. Gilmore  
Henry M. Gladney  
Charles L. Gold  
James M. Gradijan  
P. R. Grandin  
James P. Gray  
Paul E. Green  
Alan Greenberg  
C. Gregory  
Michael D. Grigoriadis  
Anthony A. Guido

W. D. Hagamen

Luther Haibt  
S. D. Hale  
Warren T. Hall  
M. H. Halstead  
Ronald L. Hankison  
Peter J. Hansen  
Jack Harris  
Timothy W. Hartigan  
William Harting  
E. S. Haskell  
C. H. Haspel  
Donald J. Hatfield  
Paul L. Hazan  
Yehonathan Hazony  
Roy E. Heistand  
Garry A. Helander  
Michael Held  
N. C. Hien  
Gary A. Hine  
Richard S. Hirsch  
Alan Hochschild  
Ann Carol Hohl  
R. J. Holland  
E. Glenn Huff  
Ann R. Hunt  
S. S. Hurwitz

C. Channing Jackson  
Rudy J. Joenk  
Anne Jones  
T. Capers Jones  
Phillip H. Joslin

Maurice Karnaugh  
Bruce L. Kelley  
Minnie M. Kelly  
Robert C. Kendall  
Richard M. Kerr  
J. M. King  
W. F. King  
Roy Klaskin  
Ronald L. Knight  
H. Kobayashi  
A. L. Krakow  
D. C. Krimmel  
John F. Kulakowski  
Stanley A. Kurzban

Joseph P. Langer  
D. Langston  
E. R. Lassette  
B. M. Leavenworth  
M. M. Lehman  
C. R. Leister  
John J. Lentz  
Arthur L. Levin  
John R. Levine  
C. M. Lewis  
Philip F. L'Heureux  
H. Terry Liffick  
Paul O. Lindfors

W. I. Longstreth  
Harold Lorin  
J. A. Lukes

Richard A. MacKinnon  
Joseph B. Major  
A. E. Malden  
John E. Mann  
Patrick E. Mantey  
J. F. Marchese  
Bruce S. Marshall  
Roy E. Marsten  
Kiyoshi Maruyama  
Ramona A. Matthews  
S. M. Matyas  
E. A. Mazzarelli  
William C. McGee  
Douglas H. McKain  
Douglas B. McKay  
H. E. McKinney  
Paul A. McMahan  
George C. McQuilken  
T. O. McSloy  
S. A. Medici  
Charles Menke  
R. A. Merikallio  
Robert R. Meyer  
Eric L. Miles  
Fred M. Miller  
I. Miller  
Robert B. Miller  
Donald R. Mills  
Harlan D. Mills  
Linda Misk-Falkoff  
Stephanie Mitchell  
Eugene M. Mohr  
Bert D. Moldow  
Jacques H. Mommens  
Barry Mooney  
K. Moore  
Raynor M. Moore  
Fred B. Moosbrugger  
Robert L. Morrison  
John H. Morrissey  
Frank H. Moss  
Edward S. Murray  
Glenford J. Myers

K. Natarajan  
Alan S. Neal  
Paula S. Newman  
Wayne Niblack  
Walter H. Niehoff  
D. H. Nix  
Harry W. Nuckols

Robert P. O'Hara  
M. J. Orceyre

David L. Parnas  
N. J. Pass

D. Pavkov  
D. W. Petersen  
David E. Peterson  
R. A. Pierce  
Warren J. Plath  
C. B. Poland  
James H. Pomerene  
W. G. Pope  
Margery S. Price  
L. D. Privin

George Radin  
Kenneth Ragland  
Donald L. Raimondi  
B. Ramsey  
David L. Reich  
Frank G. Riley  
William H. Robinson, Jr.  
W. C. Rodgers  
Terry W. Rogers  
Carroll K. Roose  
Richard L. Roscoe  
G. Rosenthal  
D. Rothschild  
David A. Ryan

C. J. Sanders  
David Savir  
David Sayre  
Alan L. Scherr  
Hans P. Schlaeppi  
Allan H. Schmidt  
S. Schoner  
David A. Schramm  
Gary D. Schultz  
Mischa Schwartz  
A. Seybold  
John B. Shafer  
Manesh J. Shah  
P. Shea  
Barry J. Shepherd

Ben Shneiderman  
T. R. Shute  
Edgar H. Sibley  
George G. Siegle  
Harold C. Simmons  
Harry R. Simmons  
Richard O. Simpson  
Rubin P. Singer  
Joseph E. Siwec  
Donald J. Skiba  
Miles Smid  
David A. H. Smith  
E. Baird Smith  
Howard Smith, Jr.  
Joseph R. Smith  
S. Sonnis  
Neil Sorensen  
David Sorensen  
Kathy Soule  
John F. Sowa  
Charles A. Specht  
Mitchell G. Spiegel  
R. L. Standfast  
John Staudhammer  
Barbara Steck  
Robert F. Steen  
Arthur J. Stein  
C. J. Stephenson  
John G. Stevenson  
Hoyt M. Stewart  
Harold S. Stone  
D. H. Streeter  
Julian Suez  
C. W. Swift

Lewis M. Terman  
Linda S. Tetzlaff  
Eugene M. Thomas  
John C. Thomas  
K. C. Traynham  
Frank Tsui

Edward C. Turgeon  
  
John K. Umpenhour

Paul Van Leer  
H. Wayne Van Ness  
Charles Van Winkle  
H. A. Vieweg  
N. A. Vogel

Bradford W. Wade  
Gerald Waldbaum  
Claude E. Walston  
Howard Wang  
John N. Warfield  
Gary Weaver  
R. Webster  
William A. Weimer  
Robert S. Weiner  
Thomas C. Wellington  
Charles Welty  
S. Wertovitch  
Thomas F. Wheeler  
David P. White  
William W. White  
Ronald L. Wigington  
Robin Williams  
M. Wilson  
Barbara P. Winbush  
Irving Wladawsky  
William S. Worley  
Kendall R. Wright

B. Yaros  
Henry E. Young  
Po C. Yue

Karen R. Zelif  
Kurt Ziegler, Jr.  
M. Zwilling