

VOLUME IX

AUTHOR INDEX

Papers and Technical Notes

[Short papers and notes are marked (N) in this index]

<i>Author</i>	<i>Title</i>	<i>Page</i>
ARCHIBALD, R. C.	Wolfram, Vega, and Thiele (N).....	21
	The First Published Table of Logarithms to the Base Ten (N).....	62-63
ATKINSON, CYRIL	Polynomial Root Solving on the Electronic Differential Analyser.....	139-143
BARBER, S. W.	See M. DANK	
BERGMAN, STEFAN	Tables for the Determination of Fundamental Solutions of Equations in the Theory of Compressible Fluids....	8-14
BOOTH, A. D.	A Note on Approximating Polynomials for Trigonometric Functions (N).....	21-23
BRENNER, J. L. & G. W. REITWIESNER	Remark on Determination of Characteristic Roots by Iteration (N).....	117-118
CLENSHAW, C. W.	A Note on the Summation of Chebyshev Series (N)....	118-120
COMÉT, STIG	Notations for Partitions.....	143-146
DANK, M. & S. W. BARBER	The Specific Heat Function for a Two-Dimensional Continuum.....	191-194
FETTIS, HENRY E.	Numerical Calculation of Certain Definite Integrals by Poisson's Summation Formula.....	85-92
GOOD, I. G.	Conjectures Concerning the Mersenne Numbers (N)....	120-121
GREENSTADT, J.	A Method for Finding Roots of Arbitrary Matrices.....	47-52
GREENWOOD, ROBERT E.	Coupon Collector's Test for Random Digits.....	1-5
	Corrigendum.....	229
	Table Erratum 246.....	224
HALL, MARSHALL, JR. & J. D. SWIFT	Determination of Steiner Triple Systems of Order 15....	146-152
HAMMER, PRESTON C. & JACK W. HOLLINGSWORTH	Trapezoidal Methods of Approximating Solutions of Differential Equations.....	92-96
HAMMER, PRESTON C.	Iterative Procedures for Taking Roots Based on Square Roots (N).....	68
HERBST, EUGENE H., N. METROPOLIS, & MARK B. WELLS	Analysis of Problem Codes on the MANIAC.....	14-20
HO, KUO-CHU	Double Interpolation Formulae and Partial Derivatives in Terms of Finite Differences.....	52-62
HOLLINGSWORTH, JACK W.	See PRESTON C. HAMMER	
JACCHIA, LUIGI	On the Numerical Integration of Functions Tabulated in Logarithmic Form (N).....	63-65
JEENEL, J.	See S. C. NICHOLSON	
LA FARÀ, R. L.	Modification of a Method for Calculating Inverse Trigo- nometric Functions (N).....	25
LIPTON, S.	A Note on the Electronic Computer at Rothamsted (N)....	69-70
LOTKIN, MARK	A Set of Test Matrices.....	153-161
METROPOLIS, N.	See EUGENE H. HERBST	

INDEX OF REVIEWS BY AUTHOR OF WORK REVIEWED

231

<i>Author</i>	<i>Title</i>	<i>Page</i>
NEUMANN, JOHN VON & BRYANT TUCKERMAN	Continued Fraction Expansion of $2^{\frac{1}{2}}$ (N).....	23-24
NICHOLSON, S. C. & J. JEENEL	Some Comments on a NORC Computation of π	162-164
OSTROWSKI, A. M.	Note on a Logarithm Algorithm (N).....	65-68
POSTLEY, J. A.	A Method for the Evaluation of a System of Boolean Algebraic Equations.....	5-8
REITWIESNER, G. W.	See J. L. BRENNER	
RILEY, JAMES D.	Solving Systems of Linear Equations with a Positive Definite, Symmetric, but Possibly Ill-conditioned Matrix.....	96-101
SALZER, HERBERT E.	Orthogonal Polynomials Arising in the Numerical Evalu- ation of Inverse Laplace Transforms.....	164-177
SHELDON, JOHN W.	On the Numerical Solution of Elliptic Difference Equations	101-102
SNYDER, JAMES W.	On the Improvement of the Solutions to a Set of Simul- taneous Linear Equations using the ILLIAC.....	177-184
SWIFT, J. D.	See MARSHALL HALL, JR.	
TUCKERMAN, BRYANT	See JOHN VON NEUMANN	
WELLS, MARK B.	See EUGENE H. HERBST	
WILKINSON, J. H.	The Use of Iterative Methods for Finding the Latent Roots and Vectors of Matrices.....	184-191
WORSLEY, BEATRICE H.	Solutions of a Nonlinear Differential Equation Arising in the Theory of Diffusion Flames.....	112-116
ZONDEK, B.	The Values of $\Gamma(\frac{1}{3})$ and $\Gamma(\frac{2}{3})$ and their Logarithms Accu- rate to 28 Decimals (N).....	24-25

INDEX OF REVIEWS BY AUTHOR OF WORK REVIEWED

<i>Author</i>	<i>Review Number</i>	<i>Page</i>	<i>Author</i>	<i>Review Number</i>	<i>Page</i>
Abdel-Aty, S. H.	9	30	Cornfield, Jerome	111	219
Abdel-Aty, S. H.	109	218	Cox, D. R.	115	221
Abramowitz, Milton	25	38	Daniels, H. E.	98	213
Admiralty Res. Lab.	32	71	David, F. W.	96	211
Admiralty Res. Lab.	41	76	David, H. A.	15	133
Aeronautical Res. Coun.	52	80	David, H. A.	105	216
Akademija Nauk SSSR	39	74	David, H. A.	116	222
Akademija Nauk SSSR	40	75	Dijkstra, E. W.	89	202
Bechhofer, R. E.	16	34	Dixon, W. J.	102	214
Bechhofer, R. E.	17	34	Duijvestijn, A. J. W.	120	223
Berghuis, J.	28	39	Duncan, A. J.	107	217
Berghuis, J.	120	223	Dunnett, C. W.	18	34
Berry, James G.	27	39	Eason, G.	68	132
Broadbent, S. R.	113	220	Epstein, Benjamin	99	213
Butler, Terrence	50	79	Flügge, W.	57	123
Cadwell, J. H.	10	31	Foster, F. G.	97	212
Cadwell, J. H.	112	219	Fox, L.	37	73
Chowdhury, S. B.	114	220	Frankel, S.	35	72
Clunie, J.	26	38	Freudenthal, A. M.	110	218
Cohen, A. C., Jr.	7	29	Gawlik, H. J.	117	222
Computation Dept., Mathematisch Centrum	29	40			

<i>Author</i>	<i>Review Number</i>	<i>Page</i>	<i>Author</i>	<i>Review Number</i>	<i>Page</i>
Gellman, H.	42	76	NBS	65	129
Gloden, A.	1	26	NBS	75	135
Gloden, Albert	60	125	Nelms, Ann T.	30	40
Gloden, Albert	61	126	Nelson, E.	35	72
Greenhouse, Samuel W.	111	219	Noble, B.	68	132
Grubbs, Frank E.	36	72	Ondrejka, Rudolph	2	26
Grubbs, F. E.	88	200	Opler, Ascher	51	79
Gumbel, E. J.	110	218			
Halperin, Max	111	219	Page, E. S.	103	215
Hartley, H. O.	15	33	Pearcey, T.	72	134
Hartley, H. O.	95	205	Pearson, E. S.	95	205
Hartley, H. O.	105	216	Pearson, E. S.	105	216
Hastings, Cecil, Jr.	56	121	Pohlhausen, Karl	50	79
Hayward, Jeanne T.	56	121	Pollak, L. W.	34	72
Hiester, Nevin K.	51	79	Porter, R. J.	3	26
Hill, G. W.	72	134	Porter, R. J.	62	126
Hirago, Yoshihiko	101	214	Porter, R. J.	84	198
Hruska, Václav	71	133	Purday, H. F. P.	66	131
IBM	76	136	Programming Research Group, IBM	76	136
Iyer, P. V. K.	8	30			
Jacobson, Arvid W.	54	81	Rabinowitz, Philip	25	38
Johnson, N. L.	96	211	Rao, A. S. P.	8	30
König, R. J.	73	135	Robacker, John T.	119	223
Lang, E. D.	24	37	Romig, H. G.	5	28
Lehmer, Emma	80	196	Rosenbaum, S.	12	32
Lewis, T.	108	217	Rothman, M.	43	77
Lindley, D. V.	4	26	Rothman, M.	44	77
Los Alamos Scientific Lab.	74	135	Rothman, M.	45	77
Lösch, Friedrich	78	195	Rothman, M.	46	78
			Rothman, M.	47	78
			Rothman, M.	48	78
			Rothman, M.	49	78
			Rothman, M.	69	133
McKenzie, K. I.	69	133	RSMT	31	70
Mathematesche Centrum	29	40	Ruben, H.	13	32
Miksa, Francis L.	81	197	Rubenstein, Albert H.	77	136
Miksa, Francis L.	82	197	Rushton, S.	24	37
Miksa, Francis L.	83	198	Ryan, R. D.	72	134
Miksa, Francis L.	85	198			
Miller, J. C. P.	4	26	Salzer, H. E.	91	203
Miller, J. C. P.	31	70	Salzer, H. E.	92	204
Mock, Owen R.	79	196	Salzer, Herbert E.	93	204
Mock, Owen R.	90	203	Salzer, Herbert E.	94	205
Mock, Owen R.	118	223	Sengupta, J. M.	19	35
Morimura, Hidenori	101	214	Simon, Leslie E.	36	72
Murray, F. J.	88	200	Sneddon, I. N.	68	132
			Snow, Chester	70	133
NBS	23	37	Sobel, Milton	17	34
NBS	33	71	Sobel, Milton	18	34
NBS	38	74	Spitz, J. C.	20	35
NBS	58	124	Sterne, T. E.	104	216
NBS	64	127	Stevens, W. L.	6	28

<i>Author</i>	<i>Review Number</i>	<i>Page</i>	<i>Author</i>	<i>Review Number</i>	<i>Page</i>
Stiefel, Eduard L.	87	199	Vinogradov, I. M.	59	125
Stoker, J. J.	88	200	Watanabe, Hisao	101	214
Stuart, A.	97	212	Weibull, Martin	106	217
Tadman, K. G.	53	81	Weiler, H.	11	31
Tamura, Takayuki	63	126	Wheelon, Albert D.	119	223
Terpstra, T. J.	14	33	Whitfield, J. W.	21	36
Thompson, Wm. R.	22	36	Wijngaarden, A. Van	89	202
Tocher, K. D.	67	132	Wong, James P., Jr.	56	121
Tsao, C. K.	100	213	Woodward, John	7	29
Tucker, Jean	42	76	Zavrotsky, Andres	86	198
Uhler, Horace S.	55	121	Zalokar, Julia	111	219

GENERAL WORKS ON NUMERICAL ANALYSIS

Generalities of Numerical Analysis

<i>Author/s</i>	<i>Title</i>	<i>Review Number</i>	<i>Page</i>
F. E. GRUBBS, F. J. MURRAY, J. J. STOKER	<i>Transactions of the Symposium on Computing, Mechanics, Statistics, and Partial Difference Equations</i>	88	200-202

Approximation

CECIL HASTINGS, JR., JEANNE T. HAYWARD, JAMES P. WONG, JR.	<i>Approximations for Digital Computers</i>	56	121
EDUARD L. STIEFEL	<i>Kernel Polynomials in Linear Algebra and their Numerical Applications</i>	87	199-200

Finite Differences

H. F. P. PURDAY	<i>Linear Equations in Applied Mechanics</i>	66	131
F. E. GRUBBS, F. J. MURRAY, J. J. STOKER	<i>Transactions of the Symposium on Computing, Mechanics, Statistics, and Partial Difference Equations</i>	88	200-202

Numerical Integration Summation

K. D. TOCHER	"The application of automatic computers to sampling experiments"	67	132
H. E. SALZER	"A simple method for summing certain slowly convergent series"	91	203-204

Linear Equations

NBS Applied Mathematics Series No. 29	<i>Simultaneous Linear Equations and the Determination of Eigenvalues</i>	64	127
NBS Applied Mathematics Series No. 39	<i>Contributions to the Solution of Systems of Linear Equations and the Determination of Eigenvalues</i>	65	129
H. F. P. PURDAY	<i>Linear Equations in Applied Mathematics</i>	66	131
EDUARD L. STIEFEL	<i>Kernel Polynomials in Linear Algebra and their Numerical Applications</i>	87	199-200

<i>Author/s</i>	<i>Title</i>	<i>Review Number</i>	<i>Page</i>
F. E. GRUBBS, F. J. MURRAY, J. J. STOKER	<i>Transactions of the Symposium on Computing, Mechanics, Statistics, and Partial Difference Equations</i>	88	200-202
NBS Applied Mathematics Series No. 29	Eigenvalue and Eigenvector problems <i>Simultaneous Linear Equations and the Determination of Eigenvalues</i>	64	127
NBS Applied Mathematics Series No. 39	<i>Contributions to the Solution of Systems of Linear Equations and the Determination of Eigenvalues</i>	65	129
EDUARD L. STIEFEL	<i>Kernel Polynomials in Linear Algebra and their Numerical Applications</i>	87	199-200
F. E. GRUBBS, F. J. MURRAY, J. J. STOKER	<i>Transactions of the Symposium on Computing, Mechanics, Statistics, and Partial Difference Equations</i>	88	200-202
	Linear Programming and Games		
F. E. GRUBBS, F. J. MURRAY, J. J. STOKER	<i>Transactions of the Symposium on Computing, Mechanics, Statistics, and Partial Difference Equations</i>	88	200-202
ANDRES ZAVROTSKY	Higher Degree Algebraic Equations <i>Tablas para la Formacion de las Ecuaciones Cubicas</i>	86	198-199
	Ordinary Differential Equations		
H. F. P. PURDAY	<i>Linear Equations in Applied Mechanics</i>	66	131
F. E. GRUBBS, F. J. MURRAY, J. J. STOKER	<i>Transactions of the Symposium on Computing, Mechanics, Statistics, and Partial Difference Equations</i>	88	200-202
	Partial Differential Equations		
H. F. P. PURDAY	<i>Linear Equations in Applied Mechanics</i>	66	131
F. E. GRUBBS, F. J. MURRAY, J. J. STOKER	<i>Transactions of the Symposium on Computing, Mechanics, Statistics, and Partial Difference Equations</i>	88	200-202
	Integral Equations		
H. F. P. PURDAY	<i>Linear Equations in Applied Mechanics</i>	66	131
	Special Functions		
F. E. GRUBBS, F. J. MURRAY, J. J. STOKER	<i>Transactions of the Symposium on Computing, Mechanics, Statistics, and Partial Difference Equations</i>	88	200-202
	Sampling, Generating Random Variates, Monte Carlo		
K. D. TOCHER	"The application of automatic computers to sampling experiments"	67	132
	General Tables		
D. V. LINDLEY, J. C. P. MILLER	<i>Cambridge Elementary Statistical Tables</i>	4	26
CECIL HASTINGS, JR., JEANNE T. HAYWARD, JAMES P. WONG, JR.	<i>Approximations for Digital Computers</i>	56	121

<i>Author/s</i>	<i>Title</i>	<i>Review Number</i>	<i>Page</i>
W. FLÜGGE	<i>Four-place Tables of Transcendental Functions</i>	57	123
FRIEDRICH LÖSCH	<i>Siebenstellige Tafeln der elementaren transzendenten Funktionen</i>	78	195–196

TABLES FROM NUMBER THEORY

Diophantine Equations of form $x^2 \pm Dy^2 = \pm N$

FRANCIS L. MIKSA	<i>Table of Quadratic Partitions $x^2 + y^2 = N$</i>	83	198
------------------	-----------------------------------------------------------------	----	-----

Solutions of Diophantine Equations of Second Degree in more than Two Unknowns, Rational Triangles

FRANCIS L. MIKSA	"A table of integral solutions of $a^2 + b^2 + c^2 = r^2$ "	81	197
FRANCIS L. MIKSA	<i>A Table of Integral Solutions of $A^2 + B^2 + C^2 = R^2$ for all odd R from $R = 3$ to $R = 325$, in two sets, $R = 1$ to 207 and an extension from $R = 207$ to $R = 325$.</i>	82	197

Perfect and Amicable Numbers and their Generalizations

RUDOLPH ONDREJKA	<i>List of the First 17 Perfect Numbers</i>	2	26
------------------	---------------------------------------------	---	----

Tables of Binomial Coefficients

RSMTС	<i>Table of Binomial Coefficients</i>	31	70
-------	---------------------------------------	----	----

Tables of Primitive Roots

I. M. VINOGRADOV	<i>Elements of Number Theory</i>	59	125
------------------	----------------------------------	----	-----

Tables of Exponents and Residue-indices

I. M. VINOGRADOV	<i>Elements of Number Theory</i>	59	125
------------------	----------------------------------	----	-----

Solutions of Special Binomial Congruences

ALBERT GLODEN	<i>Table des Solutions de la Congruence $x^4 + 1 \equiv 0 \pmod{p^2}$ pour $4000 < p < 6000$</i>	60	125
---------------	------------------------------------------------------------------------------------------------------------------------------	----	-----

ALBERT GLODEN	<i>Table des Solutions Minima de la Congruence $x^4 + 1 \equiv 0 \pmod{p^2}$ pour $6000 < p < 10000$</i>	61	126
---------------	--------------------------------------------------------------------------------------------------------------------------------------	----	-----

Tables of Factors of Numbers of Special Form

A. GLODEN	<i>Table des factorisation des Nombres $N^4 + 1$ dans l'intervalle $10000 < N \leq 20000$</i>	1	26
-----------	------------------------------------------------------------------------------------------------------------------------	---	----

HORACE S. UHLER	"Hamartixéresis as applied to tables involving logarithms"	55	121
-----------------	------------------------------------------------------------	----	-----

Lists of Consecutive Primes

I. M. VINOGRADOV	<i>Elements of Number Theory</i>	59	125
------------------	----------------------------------	----	-----

Tables of solutions of non-binomial congruences of degree ≥ 3

EMMA LEHMER	"On the cyclotomic numbers of order sixteen"	80	196–197
-------------	----------------------------------------------	----	---------

Non-linear Forms, their Classes and Class Numbers

R. J. PORTER	<i>A List of Groups and Series to serve for Computations of Irregular Negative Determinants of Exponent $3n$</i>	3	26
--------------	-----------------------------------------------------------------------------------------------------------------------------	---	----

<i>Author/s</i>	<i>Title</i>	<i>Review Number</i>	<i>Page</i>
R. J. PORTER	<i>List of Irregular Determinants of Exponent 3n [80000 < -D < 150000]</i>	62	126
R. J. PORTER	<i>Irregular Negative Determinants of Exponent 3n with their critical classes</i>	84	198

TABLES FROM ALGEBRA

Tables involving Marks from Algebras or Arithmetics
other than the usual Number Systems

TAKAYUKI TAMURA	"Note on finite semigroups and determination of semigroups of order 4"	63	126
-----------------	------------------------------------------------------------------------	----	-----

TABLES FROM ANALYSIS

Squares

E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
---------------------------------	--------------------------------------------	----	---------

Cubes

E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
---------------------------------	--------------------------------------------	----	---------

Higher Integral Powers

E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
---------------------------------	--------------------------------------------	----	---------

Square Roots

CECIL HASTINGS, JR., JEANNE T. HAYWARD, JAMES P. WONG, JR.	<i>Approximations for Digital Computers</i>	56	121
------------------------------------------------------------------	---------------------------------------------	----	-----

E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
---------------------------------	--------------------------------------------	----	---------

Fractional Powers of Real Numbers

CECIL HASTINGS, JR., JEANNE T. HAYWARD, JAMES P. WONG, JR.	<i>Approximations for Digital Computers</i>	56	121
------------------------------------------------------------------	---------------------------------------------	----	-----

Powers of Complex Numbers

ADMIRALTY RESEARCH LABORATORY	"Tables of $\eta = \sqrt{m^2 + \sqrt{-1}}$ "	32	71
----------------------------------	----------------------------------------------	----	----

Factorials, etc.

E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
---------------------------------	--------------------------------------------	----	---------

Binomial Coefficients

RSMTС	<i>Table of Binomial Coefficients</i>	31	70
-------	---------------------------------------	----	----

E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
---------------------------------	--------------------------------------------	----	---------

Generalized Bernoulli and Euler Numbers and Polynomials. Differences
and Derivatives of zero, etc. Coefficients in Formulas connecting
Derivatives and Integrals with Differences

FRANCIS L. MIKSA	<i>Stirling Numbers of the Second Kind</i>	85	198
------------------	--------------------------------------------	----	-----

<i>Author/s</i>	<i>Title</i>	<i>Review Number</i>	<i>Page</i>
Constants involving π			
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
Constants involving e. Circular and Hyperbolic functions of Constant Arguments			
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
Algebraic Constants. Roots of Algebraic Equations			
ANDRES ZAVROTSKY	<i>Tablas para la Formacion de las Ecuaciones Cubicas</i>	86	198-199
Conversion Tables			
FRIEDRICH LÖSCH	<i>Siebenstellige Tafeln der elementaren transzendenten Funktionen</i>	78	195-196
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
Fundamental Tables of Logarithms to Non-decimal Integral Bases			
CECIL HASTINGS, JR., JEANNE T. HAYWARD, JAMES P. WONG, JR.	<i>Approximations for Digital Computers</i>	56	121
Natural Trigonometrical Functions with Argument in Radian			
NBS Applied Mathematics Series No. 36	<i>Tables of Circular and Hyperbolic Sines and Cosines for Radian Arguments</i>	33	71
W. FLÜGGE	<i>Four-place Tables of Transcendental Functions</i>	57	123
NBS Applied Mathematics Series No. 43	<i>Tables of Sines and Cosines for Radian Arguments</i>	58	124
FRIEDRICH LÖSCH	<i>Siebenstellige Tafeln der elementaren transzendenten Funktionen</i>	78	195-195
Natural Trigonometrical Functions with Argument in Degrees and Decimals			
W. FLÜGGE	<i>Four-place Tables of Transcendental Functions</i>	57	123
Natural Trigonometrical Functions with Centesimal Argument			
CECIL HASTINGS, JR., JEANNE T. HAYWARD, JAMES P. WONG, JR.	<i>Approximations for Digital Computers</i>	56	121
Inverse Circular Functions			
W. L. STEVENS	"Tables of the angular transformation"	6	28
CECIL HASTINGS, JR., JEANNE T. HAYWARD, JAMES P. WONG, JR.	<i>Approximations for Digital Computers</i>	56	121
FRIEDRICH LÖSCH	<i>Siebenstellige Tafeln der elementaren transzendenten Funktionen</i>	78	195-196

<i>Author/s</i>	<i>Title</i>	<i>Review Number</i>	<i>Page</i>
Natural Values of e^x			
W. FLÜGGE	<i>Four-place Tables of Transcendental Functions</i>	57	123
FRIEDRICH LÖSCH	<i>Siebenstellige Tafeln der elementaren transzenten Funktionen</i>	78	195-196
E. S. PEARSON H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
Quantities (Natural and Logarithmic) connected with $e^{\pm x}$			
CECIL HASTINGS, JR., JEANNE T. HAYWARD, JAMES P. WONG, JR.	<i>Approximations for Digital Computers</i>	56	121
W. FLÜGGE	<i>Four-place Tables of Transcendental Functions</i>	57	123
Natural Values of Hyperbolic Functions			
NBS Appl. Math. Ser. No. 36	<i>Tables of Circular and Hyperbolic Sines for Radian Arguments</i>	33	71
W. FLÜGGE	<i>Four-place Tables of Transcendental Functions</i>	57	123
FRIEDRICH LÖSCH	<i>Siebenstellige Tafeln der elementaren transzenten Funktionen</i>	78	195-196
Natural Logarithms of Numbers			
CECIL HASTINGS, JR., JEANNE T. HAYWARD, JAMES P. WONG, JR.	<i>Approximations for Digital Computers</i>	56	121
W. FLÜGGE	<i>Four-place Tables of Transcendental Functions</i>	57	123
FRIEDERICH LÖSCH	<i>Siebenstellige Tafeln der elementaren transzenten Funktionen</i>	78	195-196
E. S. PEARSON H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
Natural Logarithms of Reciprocals, Square Roots and other Functions			
CECIL HASTINGS, JR., JEANNE T. HAYWARD, JAMES P. WONG, JR.	<i>Approximations for Digital Computers</i>	56	121
Inverse Hyperbolic Functions			
FRIEDERICH LÖSCH	<i>Siebenstellige Tafeln der elementaren transzenten Funktionen</i>	78	195-196
E. S. PEARSON H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
Miscellaneous Functions of Circular and Hyperbolic Functions and Inverse Functions			
AECD-3497 S. FRANKEL, E. NELSON	"Methods of treatment of displacement integral equations"	35	72
Exponential Integrals $Ei(x)$			
W. FLÜGGE	<i>Four-place Tables of Transcendental Functions</i>	57	123

<i>Author/s</i>	<i>Title</i>	<i>Review Number</i>	<i>Page</i>
Exponential Integrals. $-Ei(-x)$			
CECIL HASTINGS, JR., JEANNE T. HAYWARD, JAMES P. WONG, JR.	<i>Approximations for Digital Computers</i>	56	121
Sine Integral			
AKADEMIÂ NAUK SSSR	<i>Tablitsy Integralnogo sinusa i kosinusa [Tables of the sine and cosine integral]</i>	39	74
NBS Applied Mathematics Series No. 32	<i>Table of Sine and Cosine Integrals for Arguments from 10 to 100</i>	23	37
W. FLÜGGE	<i>Four-place Tables of Transcendental Functions</i>	57	123
Cosine Integral			
NBS Applied Mathematics Series No. 32	<i>Table of Sine and Cosine Integrals for Arguments from 10 to 100</i>	23	37
AKADEMIÂ NAUK SSSR	<i>Tablitsy Integralnogo sinusa i kosinusa [Tables of the sine and cosine integral]</i>	39	74
W. FLÜGGE	<i>Four-place Tables of Transcendental Functions</i>	57	123
The Gamma Function			
CECIL HASTINGS, JR., JEANNE T. HAYWARD, JAMES P. WONG, JR.	<i>Approximations for Digital Computers</i>	56	121
W. FLÜGGE	<i>Four-place Tables of Transcendental Functions</i>	57	123
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
Gamma Function for Complex Arguments			
NBS Applied Math. Series No. 34	<i>Table of the Gamma Function for Complex Arguments</i>	38	74
Incomplete Beta Function			
E. S. PEARSON H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
The Error Integral. Tables of the Ordinate (the Integrand)			
CECIL HASTINGS, JR., JEANNE T. HAYWARD, JAMES P. WONG, JR.	<i>Approximations for Digital Computers</i>	56	121
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
Tables of the Error Integral			
CECIL HASTINGS, JR., JEANNE T. HAYWARD, JAMES P. WONG, JR.	<i>Approximations for Digital Computers</i>	56	121

<i>Author/s</i>	<i>Title</i>	<i>Review Number</i>	<i>Page</i>
W. FLÜGGE	<i>Four-place Tables of Transcendental Functions</i>	57	123
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
	The Error Integral. Ratio of Integral to Ordinate		
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
H. J. GAWLIK	<i>A Table of a Function related to the Error Function</i>	117	222
	The Error Integral. Inverse Tables		
CECIL HASTINGS, JR., JEANNE T. HAYWARD, JAMES P. WONG, JR.	<i>Approximations for Digital Computers</i>	56	121
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
	Moments. Chi-squared Tables		
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
	The Error Integral with Complex Argument		
T. LAIBLE	"Hohenkarte des Fehlerintegrals"	E 244	136
	Legendre Polynomials and their Applications		
K. G. TADMAN	<i>Tables of Flow Functions for Bodies of Revolution in Circular Tunnels and Jets</i>	53	81
	Derivatives of Legendre Polynomials and their Applications		
K. G. TADMAN	<i>Tables of Flow Functions for Bodies of Revolution in Circular Tunnels and Jets</i>	53	81
	Legendre and Associated Functions of Fractional or Complex Order		
CHESTER SNOW	"Formulas for computing capacitance and inductance"	70	133
	Bessel Functions of the First Kind: Integral Order		
L. FOX	<i>A Short Table for Bessel Functions of Integer Order and Large Arguments</i>	37	73
W. FLÜGGE	<i>Four-place Tables of Transcendental Functions</i>	57	123
OWEN R. MOCK	<i>Table of Bessel Functions at Multiples of $\pi/2$</i>	118	223
	Bessel Functions of the Second Kind: Integral Order		
L. FOX	<i>A Short Table for Bessel Functions of Integer Order and Large Arguments</i>	37	73
W. FLÜGGE	<i>Four-place Tables of Transcendental Functions</i>	57	123
	Modified Bessel Functions of the First Kind: Integral Order		
L. FOX	<i>A Short Table for Bessel Functions of Integer Order and Large Arguments</i>	37	73
W. FLÜGGE	<i>Four-place Tables of Transcendental Functions</i>	57	123

<i>Author/s</i>	<i>Title</i>	<i>Review Number</i>	<i>Page</i>
Modified Bessel Functions of the Second Kind: Integral Order			
L. FOX	<i>A Short Table for Bessel Functions of Integer Order and Large Arguments</i>	37	73
W. FLÜGGE	<i>Four-place Tables of Transcendental Functions</i>	57	123
Kelvin Functions of the First Kind			
W. FLÜGGE	<i>Four-place Tables of Transcendental Functions</i>	57	123
Kelvin Functions of the Second Kind			
W. FLÜGGE	<i>Four-place Tables of Transcendental Functions</i>	57	123
Kelvin Functions: Modulus and Phase			
E. JAHNKE, F. EMDE	<i>Tables of Functions</i>	E 243	42
The Airy and Allied Integrals			
M. ROTHMAN	<i>Table of Bi(+x) for x = 0.00(0.01)2.00 and Bi(-x) for x = 0.00(0.01)10.00</i>	45	77
K. I. MCKENZIE, M. ROTHMAN	<i>Table of Bi'(+x) for x = 0(0.01)2 and Bi'(-x) for x = 0(0.01)10</i>	69	133
Fresnel Integrals			
AKADEMIÂ NAUK SSSR	<i>Tablîsy Integralov Frenelya [Tables of Fresnel Integrals]</i>	40	75
W. FLÜGGE	<i>Four-place Tables of Transcendental Functions</i>	57	123
Integrals involving Bessel Functions			
M. ROTHMAN	<i>Table of the integrals of Ai($\pm x$) for x = 0.00(0.01)2.00 and x = 0.0(0.1)10.0</i>	44	77
M. ROTHMAN	<i>Table of the integrals of Bi($\pm x$) for x = 0.00(0.01)2.00 and of Bi(-x) for x = 0.0(0.1)10.0</i>	46	78
TERENCE BUTLER, KARL POHLHAUSEN	<i>Tables of Definite Integrals involving Bessel Functions of the First Kind</i>	50	79
ASCHER OPLER, NEVIN K. HESTER	<i>Tables for Predicting the Performance of Fixed Bed Ion Exchange and Similar Mass Transfer Processes</i>	51	79
CECIL HASTINGS, JR., JEANNE T. HAYWARD, JAMES P. WONG, JR.	<i>Approximations for Digital Computers</i>	56	121
G. EASON, B. NOBLE, I. N. SNEDDON	"On certain integrals of Lipschitz-Hankel type involving products of Bessel functions"	68	132
ALBERT D. WHEELON, JOHN T. ROBACKER	<i>A Table of Integrals Involving Bessel Functions</i>	119	223
Complete Elliptic Integrals of the First and Second Kinds			
CECIL HASTINGS, JR., JEANNE T. HAYWARD, JAMES P. WONG, JR.	<i>Approximations for Digital Computers</i>	56	121

<i>Author/s</i>	<i>Title</i>	<i>Review Number</i>	<i>Page</i>
Incomplete Elliptic Integrals of the First and Second Kinds			
W. FLÜGGE	<i>Four-place Tables of Transcendental Functions</i>	57	123
Hypergeometric Functions			
S. RUSHTON	"On the confluent hypergeometric function $M(\alpha, \gamma, z)$ "	24	37
MILTON ABRAMOWITZ, PHILIP RABINOWITZ	"Evaluation of Coulomb wave functions along the transition line"	25	38
Debye Functions, Radiation Integrals, Fermi-Dirac Functions, etc.			
J. CLUNIE	"On Bose-Einstein functions"	26	38
ANN T. NELMS	"Graphs of the Compton energy-angle relationship and the Klein-Nishina formula from 10 Kev to 500 Mev"	30	40
A. J. W. DUIJVESTIJN, J. BERGHUIS	<i>The Computation and the Expansion of Some Triple Integrals Originating from the Theory of Cosmic Rays</i>	120	223-224
Miscellaneous Integrals Involving Circular and Exponential Functions			
L. BERGHUIS	<i>A Table of Some Integrals</i>	28	39
ADMIRALTY RESEARCH LABORATORY	"Table of $ I = \int_0^\varphi \sec^\mu \theta e^{i\mu \sec \theta} d\theta '$ "	41	76
H. GELLMAN, JEAN TUCKER	"Tables of the functions $D_0(x)$ and $D_1(x)$ "	42	76
M. ROTHMAN	"Tables of the integrals and differential coefficients of $Gi(+x)$ and $Hi(-x)$ "	43	77
M. ROTHMAN	<i>Table of Gi(x) and its derivative for $x = 0.0(0.1)25(1)75$</i>	47	78
M. ROTHMAN	<i>Table of Hi(-x) and its derivative for $x = 0.0(0.1)25(1)75$</i>	48	78
M. ROTHMAN	<i>Tables of the integrals of Gi(x) and Hi(-x) for $x = 0.0(0.1) - 20.0$</i>	49	78
CECIL HASTINGS, JR., JEANNE T. HAYWARD, JAMES P. WONG, JR.	<i>Approximations for Digital Computers</i>	56	121
Miscellaneous Generalizations of Common Functions			
Staff of the Computation Department of Mathematisch Centrum	<i>Table of Polylogarithms, Report R24, Part I: Numerical Values</i>	29	40
Interpolation Coefficients and Formulas			
E. W. DIJKSTRA, A. VAN WIJNGAARDEN	<i>Table of Everett's Interpolation Coefficients</i>	89	202-203
HERBERT E. SALZER	<i>Formulas for Calculating Fourier Coefficients</i>	93	204-205
HERBERT E. SALZER	<i>Formulas for Inverse Osculatory Interpolation</i>	94	205

<i>Author/s</i>	<i>Title</i>	<i>Review Number</i>	<i>Page</i>
Coefficients for Integration and Summation using Ordinates			
H. E. SALZER	"A simple method for summing certain slowly convergent series"	91	203-204
H. E. SALZER	"Equally weighted quadrature formulas over semi-infinite and infinite intervals"	92	204
Coefficients for Integration and Summation, using Differences			
OWEN R. MOCK	<i>Fifty Everett Integration Coefficients</i>	90	203
Curve-Fitting, etc.			
HERBERT E. SALZER	<i>Formulas for Calculating Fourier Coefficients</i>	93	204-205
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
Harmonic Analysis—Sines and Cosines			
L. W. POLLAK	<i>Eight-place Supplement to Harmonic Analysis and Synthesis Schedules for Three to One Hundred Equidistant Values of Empiric Functions</i>	34	72
OWEN R. MOCK	<i>A Table of Sines and Cosines of $\frac{\pi}{2} \cdot \frac{k}{256}$</i>	79	196

TABLES FROM STATISTICS

Tables with the Normal Deviates as Arguments			
D. V. LINDLEY, J. C. P. MILLER	<i>Cambridge Elementary Statistical Tables</i>	4	26
CECIL HASTINGS, JR., JEANNE T. HAYWARD, JAMES P. WONG, JR.	<i>Approximations for Digital Computers</i>	56	121
W. FLÜGGE	<i>Four-place Tables of Transcendental Functions</i>	57	123
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
Tables with the Normal Area as Argument, including percentage points and probits			
CECIL HASTINGS, JR., JEANNE T. HAYWARD, JAMES P. WONG, JR.	<i>Approximations for Digital Computers</i>	56	121
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
Rankings of Normal Samples or Order-statistics, Median			
H. RUBEN	"On the moments of order statistics in samples from normal populations"	13	32
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211

<i>Author/s</i>	<i>Title</i>	<i>Review Number</i>	<i>Page</i>
Measures of Location and Measures of Normal Dispersion other than the Standard Deviation			
D. V. LINDLEY, J. C. P. MILLER	<i>Cambridge Elementary Statistical Tables</i>	4	26
J. H. CADWELL	"The statistical treatment of mean deviation"	10	31
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
H. A. DAVID, H. O. HARTLEY, E. S. PEARSON	"The distribution of the ratio, in a single normal sample, of range to standard deviation"	105	216
A. J. DUNCAN	"The use of ranges in comparing variabilities"	107	217
MAX HALPERIN, SAMUEL W. GREENHOUSE, JEROME CORNFIELD, JULIA ZALOKAR	"Tables of percentage points for the Studentized maximum absolute deviate in normal samples"	111	219
Tests of Normality Criteria			
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
Miscellanea (Normal Distribution)			
A. C. COHEN, JR., JOHN WOODWARD	"Tables of Pearson-Lee-Fisher functions of singly truncated normal distributions"	7	29
H. WEILER	"A new type of control chart limits for means, ranges, and sequential runs"	11	31
R. E. BECHHOFER	"A single-sample multiple decision procedure for ranking means of normal populations with known variances"	16	34
R. E. BECHHOFER, MILTON SOBEL	"A single-sample multiple decision procedure for ranking variances of normal populations"	17	34
C. W. DUNNETT, MILTON SOBEL	"A bivariate generalization of Student's <i>t</i> -distribution with tables for certain special cases"	18	34-35
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
E. S. PAGE	"Control charts for the mean of a normal population"	103	215-216
S. B. CHOWDHURY	"The most powerful unbiased critical regions and the shortest unbiased confidence intervals associated with the distribution of the classical D^2 -statistic"	114	220-221
H. J. GAWLIK	<i>A Table of a Function Related to the Error Function</i>	117	222
Area of Incomplete Γ-function			
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
Ordinates of χ^2-Distribution and Poisson Frequencies			
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211

<i>Author/s</i>	<i>Title</i>	<i>Review Number</i>	<i>Page</i>
Percentage Points of χ^2-Distribution, Percentage Points of Poisson Series			
D. V. LINDLEY, J. C. P. MILLER	<i>Cambridge Elementary Statistical Tables</i>	4	26
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
T. LEWIS	"99.9 and 0.1% of the χ^2 -Distribution"	108	217-218
Laguerre Series, Gram-Charlier Series B, Non-Central χ^2 Series, Fractional Degrees of Freedom			
S. H. ABDEL-ATY	"Approximate formulae for the percentage points of the non-central χ^2 -Distribution"	109	218
Cumulative Binomial Series, Tail Area of $I_x(a, b)$			
H. G. ROMIG	<i>50-100 Binomial Tables</i>	5	28
LESLIE E. SIMON, FRANK E. GRUBBS	<i>Tables of the Cumulative Binomial Probabilities</i>	36	72
Individual Frequencies of Binomial Distribution			
H. G. ROMIG	<i>50-100 Binomial Tables</i>	5	28
RSMTC	<i>Table of Binomial Coefficients</i>	31	70
LESLIE E. SIMON, FRANK E. GRUBBS	<i>Tables of the Cumulative Binomial Probabilities</i>	36	72
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
Percentage Points of $I_x(a, b)$, Confidence Belts for Binomial Distribution			
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
T. E. STERNE	"Some remarks on confidence or fiducial limits"	104	216
Tables of t-Distribution			
D. V. LINDLEY, J. C. P. MILLER	<i>Cambridge Elementary Statistical Tables</i>	4	26
J. M. SENGUPTA	"Significance level of $\Sigma x^2 / (\Sigma x)^2$ based on Student's distribution"	19	35
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
MARTIN WEIBULL	"The distribution of t - and F -statistics and of correlation and regression coefficients in stratified samples from normal populations with different means"	106	217
Tables of F-Distribution and Multivariate Variance Tests			
D. V. LINDLEY, J. C. P. MILLER	<i>Cambridge Elementary Statistical Tables</i>	4	26

<i>Author/s</i>	<i>Title</i>	<i>Review Number</i>	<i>Page</i>
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
MARTIN WEIBULL	"The distribution of <i>t</i> - and <i>F</i> -statistics and of correlation and regression coefficients in stratified samples from normal populations with different means"	106	217
Hypergeometric Series			
H. G. ROMIG	<i>50-100 Binomial Tables</i>	5	28
Miscellaneous Discrete Distributions			
S. H. ABDEL-ATY	"Tables of generalized <i>k</i> -statistics"	9	30
J. C. SPITZ	"Matching in psychology"	20	35-36
J. W. WHITFIELD	"The distribution of the difference in total rank value for two particular objects in <i>m</i> rankings of <i>n</i> objects"	21	36
WM. R. THOMPSON	<i>Tables of the Four Variable N- and Psi-Functions</i>	22	36
Distribution of Ordinary Correlations			
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
MARTIN WEIBULL	"The distribution of <i>t</i> - and <i>F</i> -statistics and of correlation and regression coefficients in stratified samples from normal populations with different means"	106	217
Fisher's <i>r</i> to <i>z</i> and <i>z</i> to <i>r</i> Transformations			
D. V. LINDLEY, J. C. P. MILLER	<i>Cambridge Elementary Statistical Tables</i>	4	26
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
Rank Correlation and Associated Criteria			
J. W. WHITFIELD	"The distribution of the difference in total rank value for two particular objects in <i>m</i> rankings of <i>n</i> objects"	21	36
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
Rankings, Gaps, etc., for Rectangular and other Non-Normal Distributions			
H. A. DAVID	"The distribution of the range in certain non-normal populations"	116	222
Order Statistics from any Continuous Parent			
H. O. HARTLEY, H. A. DAVID	"Universal bounds for mean range and extreme observation"	15	33
F. W. DAVID, N. L. JOHNSON	"Statistical treatment of censored data. Part I. Fundamental formulae"	96	211-212

<i>Author/s</i>	<i>Title</i>	<i>Review Number</i>	<i>Page</i>
BENJAMIN EPSTEIN	"Tables for the distribution of the number of the exceedances"	99	213
J. H. CADWELL	"The probability integral of range for samples from a symmetrical unimodal population"	112	219
Non-Parametric Two Sample and Analysis of Variance Randomization Tests			
S. ROSENBAUM	"Tables for a nonparametric test of location"	12	32
C. K. TSAO	"An extension of Massey's distribution of the maximum deviation between two-sample cumulative step functions"	100	213-214
Runs			
P. V. K. IYER, A. S. P. RAO	"Theory of the probability distribution of runs in a sequence of observations"	8	30
Other Non-Parametric Tests			
T. J. TERPSTRA	"The exact probability distribution of the <i>T</i> statistic for testing against trend and its normal approximation"	14	33
F. G. FOSTER, A. STUART	"Distribution-free tests in time-series based on the breaking of records"	97	212
H. E. DANIELS	"A distribution-free test for regression parameters"	98	213
YOSHIHIKO HIRAGO, HIDENORI MORIMURA, HISAO WATANABE	"Tables for three-sample test"	101	214
W. J. DIXON	"Power under normality of several nonparametric tests"	102	214-215
Formulas and Tables of Pearson Type Frequency Distributions			
E. S. PEARSON, H. O. HARTLEY	<i>Biometrika Tables for Statisticians</i>	95	205-211
Tables of Miscellaneous Continuous Distributions			
J. CLUNIE	"On Bose-Einstein functions"	26	38-39
CECIL HASTINGS, JR., JEANNE T. HAYWARD, JAMES P. WONG, JR.	<i>Approximations for Digital Computers</i>	56	121-123
A. M. FREUDENTHAL, E. J. GUMBEL	"Minimum life in fatigue"	110	218-219
S. R. BROADBENT	"The quotient of a rectangular or triangular and a general variate"	113	220
Distribution of Means from Non-Normal Parents			
D. R. COX	"The mean and coefficient of variation of range in small samples from non-normal populations"	115	221-222
Angular Transformations			
W. L. STEVENS	"Tables of the angular transformation"	6	28

<i>Author/s</i>	<i>Title</i>	<i>Review Number</i>	<i>Page</i>
Random Numbers			
D. V. LINDLEY, J. C. P. MILLER	<i>Cambridge Elementary Statistical Tables</i>	4	26-27
Random Deviates from Mechanical Devices.			
Quasi-random Numbers			
K. D. TOCHER	"The application of automatic computers to sampling experiments"	67	132
Random Normal Deviates			
K. D. TOCHER	"The application of automatic computers to sampling experiments"	67	132

TABLES FROM PHYSICAL SCIENCES

NOTE: Many tables whose calculation was directly instigated by research in physics are purely mathematical in nature and these are classified under Analysis or another appropriate heading.

Mechanics of Solids			
JAMES G. BERRY	<i>Tables of some Functions Related to the Legendre Functions $P_n^{-m}(x)$ and $Q_n(x)$ when n is a complex number</i>	27	39
Fluid Mechanics			
AERONAUTICAL RESEARCH COUNCIL	<i>A Selection of Graphs for Use in Calculations of Compressible Airflow</i>	52	80-81
K. G. TADMAN	<i>Tables of Flow Functions for Bodies of Revolution in Circular Tunnels and Jets</i>	53	81
CECIL HASTINGS, JR., JEANNE T. HAYWARD, JAMES P. WONG, JR.	<i>Approximations for Digital Computers</i>	56	121
Exchanges, Reaction Kinetics, Reaction Rates, etc.			
ASCHER OPLER, NEVIN K. HIESTER	<i>Tables for Predicting the Performance of Fixed Bed Ion Exchange and Similar Mass Transfer Processes</i>	51	79
Electricity and Magnetism			
CHESTER SNOW	"Formulas for computing capacitance and inductance"	70	133
Atomic Physics			
MILTON ABRAMOWITZ, PHILIP RABINOWITZ	"Evaluation of Coulomb wave functions along the transition line"	25	38
Nuclear Physics and Scattering (Including Photon Scattering and Compton Effect)			
ANN T. NELMS	"Graphs of the Compton energy-angle relationship and the Klein-Nishina formula from 10 Kev to 500 Mev"	30	40

<i>Author/s</i>	<i>Title</i>	<i>Review Number</i>	<i>Page</i>
H. GELLMAN, JEAN TUCKER	"Tables of the functions $D_0(x)$ and $D_i(x)$ "	42	76
CECIL HASTINGS, JR., JEANNE T. HAYWARD, JAMES P. WONG, JR.	<i>Approximations for Digital Computers</i>	56	121-123
Cosmic Rays			
A. J. W. DUIJVESTIJN, J. BERGHUIS	"The Computation and the Expansion of some triple integrals originating from the theory of cosmic rays"	120	223-224
Statistical Mechanics—Classical and Quantum			
J. CLUNIE	"On Bose-Einstein functions"	26	38

AUTOMATIC COMPUTATION**Conferences and Symposia on Computing Machines or Calculation**

ARVID W. JACOBSON, Editor	<i>Proceedings of the First Conference on Training Personnel for the Computing Machine Field</i>	54	81
ALBERT H. RUBENSTEIN, Editor	<i>Coordination, Control, and Financing of Industrial Research</i>	77	136
F. E. GRUBBS, F. J. MURRAY, J. J. STOKER	<i>Transactions of the Symposium on Computing, Mechanics, Statistics, and Partial Difference Equations</i>	88	200-202

Approximations of Functions for Machine Use

CECIL HASTINGS, JR., JEANNE T. HAYWARD, JAMES P. WONG, JR.	<i>Approximations for Digital Computers</i>	56	121-123
------------------------------------------------------------------	---------------------------------------------	----	---------

Applications to Statistical Problems

K. D. TOCHER	"The application of automatic computers to sampling experiments"	67	132
--------------	------------------------------------------------------------------	----	-----

Logic of Coding

T. PEARCEY, G. W. HILL, R. D. RYAN	"The effect of interpretive techniques on functional design of computers"	72	134-135
R. J. KÖNIG	<i>Introduction to FLAC Coding</i>	73	135
LOS ALAMOS SCIENTIFIC LABORATORY	<i>Los Alamos Scientific Laboratory, MANIAC</i>	74	135
NATIONAL BUREAU OF STANDARDS	<i>Manual of the SWAC Computing System</i>	75	135-136

Interpretive Routines—Automatic Coding

T. PEARCEY, G. W. HILL, R. D. RYAN	"The effect of interpretive techniques on functional design of computers"	72	134-135
------------------------------------------	---------------------------------------------------------------------------	----	---------

<i>Author/s</i>	<i>Title</i>	<i>Review Number</i>	<i>Page</i>
LOS ALAMOS SCIENTIFIC LABORATORY	<i>Los Alamos Scientific Laboratory, MANIAC</i>	74	135
PROGRAMMING RESEARCH GROUP, APPLIED SCIENCE DIVISION, INTERNATIONAL BUSINESS MACHINES CORP.	"Specifications for the IBM mathematical FORMula TRANslating system, FORTRAN"	76	136
Machine Descriptions—Punched Card			
VÁCLAV HRUSKA (editor)	<i>Československá Akad. Věd. Laboratoř matematických strojů. Matematické Stroje (Mathematical Machines)</i>	71	133–134
Machine Descriptions—Electronic			
VÁCLAV HRUSKA (editor)	<i>Československá Akad. Věd. Laboratoř matematických strojů. Matematické Stroje (Mathematical Machines)</i>	71	133–134
R. J. KÖNIG	<i>Introduction to FLAC Coding</i>	73	135
LOS ALAMOS SCIENTIFIC LABORATORY	<i>Los Alamos Scientific Laboratory MANIAC</i>	74	135
NATIONAL BUREAU OF STANDARDS	<i>Manual of the SWAC Computing System</i>	75	135–136
Machine Programs and Codes for Specific Problems			
VÁCLAV HRUSKA (editor)	<i>Československá Akad. Věd. Laboratoř matematických strojů. Matematické Stroje (Mathematical Machines)</i>	71	133–134
LOS ALAMOS SCIENTIFIC LABORATORY	<i>Los Alamos Scientific Laboratory, MANIAC</i>	74	135
Machine Design—Generalities			
VÁCLAV HRUSKA (editor)	<i>Československá Akad. Věd. Laboratoř matematických strojů. Matematické Stroje (Mathematical Machines)</i>	71	133–134

TABLE ERRATA

<i>No.</i>	<i>Author</i>	<i>Title</i>	<i>Page</i>
242	R. S. BURLINGTON	<i>Handbook of Mathematical Tables and Formulas</i>	41
243	E. JAHNKE & F. EMDE	<i>Tables of Functions</i>	42
244	T. LAIBLE	"Hohenkarte des Fehlerintegrals".....	136
245	E. JAHNKE & F. EMDE	<i>Tables of Functions</i>	224
246	ROBERT E. GREENWOOD	"Coupon Collector's Test for Random Digits".....	224

Also see the following reviews:

55	HORACE S. UHLER	"Hamartixéresis as applied to tables involving logarithms".	121
59	I. M. VINOGRADOV	<i>Elements of Number Theory</i>	125
80	E. LEHMER	"On the cyclotomic numbers of order sixteen".....	196–197
81	FRANCIS L. MIKSA	"A table of integral solutions of $a^2 + b^2 + c^2 = r^2$ ".....	197
89	E. W. DIJKSTRA & A. VAN WIJNGAARDEN	<i>Table of Everett's Interpolation Coefficients</i>	202–203

NOTES

A Conference on Mathematical Tables.....	42
International Analogy Computation Meeting.....	44
The Royal Society Depository for Unpublished Mathematical Tables.....	44
Note on Arrangement of Material.....	45
Summary of Educational Opportunities in Electronic Computation.....	82
E. W. Cannon appointed Chief of Applied Mathematics Division of the National Bureau of Standards.....	83
Policy Committee for Mathematics, NBS Technical Advisory Committee.....	83
The University of Wisconsin Conference, "The Computing Laboratory in the University" ..	84
International Conference on "Electronic Digital Computers and Information Processing"...	137
R. C. Archibald.....	224
Postdoctoral Research Associates of the National Bureau of Standards.....	225
National Simulation Conference.....	225
The Second Regional Graduate Summer Session in Statistics held at the University of Florida in June and July 1955.....	226
Sponsorship by the Office of Naval Research, the National Bureau of Standards, the National Science Foundation, and various other organizations.....	226
Index.....	226

QUERIES AND REPLIES

Queries and Replies.....	137
--------------------------	-----

CORRIGENDA

Author	Title	Page
WILKES, M. V.	"A Table of Chapman's grazing incidence integral $\text{Ch}(x, x)$ "....	45
BLAKESLEY, T. H.	A Table of Hyperbolic Cosines and Sines.....	45
BODEWIG, E.	A Practical Refutation of the Iteration Method for the Algebraic Eigenproblem.....	137
WILKES, M. V.	"A Table of Chapman's grazing incidence integral $\text{Ch}(x, x)$ "....	137
GREENWOOD, ROBERT E.	"Coupon Collector's Test for Random Digits".....	229