VOLUME X

AUTHOR INDEX

Papers and Technical Notes

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

INDEX OF REVIEWS BY AUTHOR OF WORK REVIEWED

INDEX OF REVIEWS BY REVIEW NUMBER

REVIEWS BY SUBJECT

WORKS ON NUMERICAL ANALYSIS

Review Number (For author see p. 267–8)	*Description*	*Page*
	Generalized Bernoulli and Euler Numbers and Polynomials. Differences and Derivatives of Zero, etc. Coefficients in Formulas Connecting Derivatives and Integrals with Differences	
7	$S(r, n)$; $n = 1(1)50$; *exact*	37–38
	Algebraic Constants. Roots of Algebraic Equations	
2	$2^{1/2}$ *by n-th partial quotient* $n = 100(100)2000$, *exact*	35
	Roots of Simple Transcendental Equations	
104	*Roots* x_n *of* $\sin z = z$; $n = 1(1)10$; 6D	249–250
	Miscellaneous Constants	
32	$\Gamma(\frac{1}{3})$, $\Gamma(\frac{2}{3})$, $\log \Gamma(\frac{1}{3})$, $\log \Gamma(\frac{2}{3})$; 28D	54
	Many-decimal Tables of Low Integers and Primes	
48	$\log_{10} n$; $n = 1(10)1000$ (*primes*) 10007; 36D *and* $\log_{10} n(p)$; $p = 2, 3, \cdots, 10007$; 36D. *Here* (p) *is the product of all primes no greater than* p	168–169
	Natural Trigonometric Functions with Argument in Radians	
49	$\sec x$ *and* $\csc x$; $x = 0°(.01)90°$; 9S	169
104	$\sin x$ *and* $\cos x$; $x = 100(1)1000$; 8D	249–250
	Natural Trigonometrical Functions with Argument in Degrees and Decimals	
49	$\sec x$ *and* $\csc x$; $x = 0°(.01)90°$; 9S	169
	Tables Concerning Spherical Triangles	
43	*Altitude and azimuth in latitudes* $14°\,\mathrm{S} \leq \theta \leq 14°\,\mathrm{N}$ *for arguments convenient for navigation*	108–109
44	*Sight reduction tables for air navigation*	109–110
	Natural Values of e^{-x}	
36	e^{-x}; $x = 2.5(.001)10$; 20D	104
	Natural Values of Hyperbolic Functions	
35	$\sinh x$ *and* $\cosh x$; $x = 2(.001)10$; 9S	102–104
	Natural Logarithms of Reciprocals, Square Roots and other Functions	
2	$n \log n/2$ *to* $n = 100(100)2000$ 1D	35
	Miscellaneous Functions of Circular and Hyperbolic Functions and their Inverse Functions	
45	E, $\sin E$ *and* $(1 - \cos E)$ *as functions of* $(E - \sin E)$, *and* F, $\sinh F$, *and* $(\cosh F - 1)$ *as functions of* $(F - \sinh F)$ *with* δ *and* δ^2; *variable increments; mainly* 9S	110–111
	Inverse Trigonometric Functions of a Complex Variable—Function and Variable in Rectangular Form	
66	$\arcsin z$ *and* δ *and* δ^2 (*modified*); $0 \leq x \leq 475$, $0 \leq y \leq 475$, *variable interpolable increments;* 6D	227–229

Review Number (For author see p. 267–8)	*Description*	*Page*
	The Gamma Function	
41	$\Gamma(n)$; $n = 1.01(.01)2.50$; 5D	106–107
	$\mathbf{Log_{10}\,\Gamma(1+x)}$	
41	$\log\Gamma(n)$; $n = 1.01(.01)2.50$; 5D	106–107
	Various Quantities Connected with the Gamma Function and its Derivatives	
32	$\Gamma(\frac{1}{3})$, $\Gamma(\frac{2}{3})$, $\log\Gamma(\frac{1}{3})$, $\log\Gamma(\frac{2}{3})$; 28D	54
	Tables of the Error Integral	
41	*The error integral* $H(x)$; $x = 0(.001)2(.01)3.09$; 5D	106–107
77	*The probability integral* $p(x)$; $x = 0(.001)2.499$; 5D	233–234
	The Error Integral. Ratio of Integral to Ordinate	
74	*Ratios of normal integral and its complement to the ordinate, and their reciprocals; deviate* $= 0(.01)3$; 5D *or* 5S	232
77	*Ratios* $z^2/p(1-p)$; $p = .001(.001).999$; 4D. *Here z is the ordinate and p the normal integral*	233–234
	The Error Integral. Inverse Tables	
77	*The normal integrand z;* $p = 0(.001).999$; 5D	233–234
	Higher Integrals and Derivatives, etc., Involving e^{-x^2}	
58	$i^n \operatorname{erfc} x = \int_x^\infty i^{n-1}\operatorname{erfc}\xi d\xi$; $n = -1(1)11$, $x = 0(.05)1(.1)2.8$; 6–9D	176–177
106	$i \operatorname{erfc}(x/\operatorname{erfc} x)$; $x = 0(.2)1(.5)4(1)10$; 3D	252
	The Error Integral with Complex Argument	
13	$a_i^{(k)}$ *such that* $[e^{x^2/6}p(x)]^k = \Sigma\, a_i^{(k)}x^i$; $i = 0(1)30$, $k = 1(1)7$; 8S	43–44
30	*Zeros* z_n *of* $\int_0^z e^{-u^2}du$, $\frac{1}{4}\pi < \arg z_n < \frac{1}{2}\pi$, $0 < \lvert z_1\rvert \cdots$; $n = 1$; 12D; $n = 2(1)10$; 9D	53
	Legendre Polynomials $P_n(x)$	
104	*Zeros of* $P_n(x) = n = 1(1)16$; 2D. *Corresponding weights for Gaussian quadrature* 12S	249–250
	Bessel Functions of the First Kind: Integral Order	
1	$J_n(1/2\pi)$; $n = 0(.5)12.5$; 11D	35
28	$J_n(x)$; $n = 0, 1$, $x = 0(.1)16$ *and* $n = 2, 3, 4$, $x = 0(.1)5$; 4D	52
41	$J_0(x)$ *and* $J_1(x)$; $x = 0(.1)14.9$; 4D	106–107
	Bessel Functions of the Second Kind: Integral Order	
28	$Y_n(x)$; $n = 0, 1$, $x = 0(.1)16$, 4D	52
	Expressions involving $J_n(x)$ or $Y_n(x)$. Spherical Bessel Functions and Riccati-Bessel Functions	
29	$xJ_{n-1}(x)/J_n(x)$ *and* $xY_{n-1}(x)/Y_n(x)$; $n = 1(1)5$, $x = 0(.1)5$; 4–7S. *Also graphs, etc.*	53

Review Number (*For author see p.* 267–8)	*Description*	*Page*
29	$nJ_{n-1}(n)/J_n(n)$ *and* $nY_{n-1}(n)/Y_n(n)$; $n = 1(1)50$	53
104	$(x/2)^{-n}n!\,J_n(x)$ *and* δ^2; $x \leq 10$ *and* $n \leq 20$, *various intervals;* 9D	249–250

Auxiliary Functions, etc., Hankel Functions

28	$H_n(x)$; $n = 0, 1$, $x = 0(.1)16$; 5D	52

Zeros and turning values of Bessel Functions

41	*Smallest six positive zeros,* $J_0(x)$ *and* $J_1(x)$; 3D	106–107
28	*Zeros of* $J_r(x)$; $n = 0(1)4$	52
104	*Zeros* x_s *of* $J_0(x)Y_0(kx) - J_0(kx)Y_0(x)$; $s = 1(1)5$, $k = 1.5(.5)4$; 6D. *Also other related functions. Also various zeros and turning points of Bessel functions of fractional order*	249–250

Miscellaneous Bessel Function Zeros

104	*Complex zeros* $z_{0,s}$, z_{1s}, z'_{1s} *of* Y_0, Y_1, Y_1'; $s = 1(1)15$; 5D	249–250

Modified Bessel Functions of the First Kind: Integral Order

28	$I_n(x)$; $n = 0, 1$; $x = 0(.1)10$; 4D	52

Expressions Involving Either $I_n(x)$ or $K_n(x)$

28	$K_n(x)$; $n = 0, 1$; $x = 0(.1)10$; 4D	52
29	$xI_{n-1}(x)/I_n(x)$; $n = 1(1)5$, $x = 0(.2)6$; 4–7S. *Also graphs, etc., and* $xK_{n-1}(x)/K_n(x)$; $n = 1(1)5$, $x = 0(.1)5$, 4–7S	53

Kelvin Functions of the First Kind

28	Ber x, Bei x, Ber′ x, Bei′ x; $x = 0(.1)10$; *mostly* 4S	52

Kelvin Functions of the Second Kind

28	Ker x, Kei x, Ker′ x, Kei′ x; $x = 0(.1)10$; *mostly* 4S	52

Lommel-Weber Functions, Struve Functions, etc.

104	$L_\nu(x)$ *and* $H_\nu(x)$ *with some differences;* $\nu = 0, -1, -2$; $x = 0(.1)10$; 7–10S	249–250

Fresnel Integrals

54	3D *approximations to auxiliary functions for* $C\sqrt{2x/\pi}$ *and* $S\sqrt{2x/\pi}$	173

Integrals Involving Bessel Functions

31	$\int_0^z x^{-1}J_1(x)dx$; $z = .01(.01)3.85$; *about* 5S	53–54
57	$x^{-7}\int_0^x u^n K_0(h)du$; $n = 0(1)31$, $x = 0(.01)2(.02)5$; 7–8D	175–176
104	$\int_0 J_0(t)dt$ *and* $\int_0^x Y_0(t)dt$; $x = 0(.01)10$; 10D	249–250
104	$J_{i_0}(x)$ *and related functions with some differences;* $x = 0(.1)10(1)22$; 10D	249–250

Complete Elliptic Integrals of the First and Second Kinds

41	$K(\theta)$ *and* $E(\theta)$; $\theta = 0°(1)70(.5)80(.2)89(.1)90°$; 4D	106–107
55	$K(k^2)$ *and* $E(k^2)$; $k^2 = 0(.001)1$; 6D	173–174
102	K *and* K/E *and* δ; $q = 0(.01).55$; 8D, *also without* δ; $q = 0(.01).5$; 5D	246–248

Review Number (For author see p. 267–8)	*Description*	*Page*
	Incomplete Elliptic Integrals of the First and Second Kinds	
41	$F(\theta, \phi)$ *and* $E(\theta, \phi)$; $\theta = 5°(5)90°$, $\phi = 1°(1)90°$; 4D	106–107
	Jacobian Elliptic Functions	
102	$\log(\mathrm{sn}\, u/\sin x)$, $\log(\mathrm{cn}\, u/\mathrm{ws}\, x)$, $\log \mathrm{dn}\, u$ *with* δ; $q = 0(.01).55$, $z = -1(.05)1$; 8D; *also with* δ *or* δ^2; $q = 0(.01).5$, $z = -1(.1)1$; 5D. *Comparable tables for* Θ	246–248
	Elliptic Functions ϑ_1, ϑ_2, ϑ_3, ϑ_4	
102	*Auxiliary functions,* $G(q^4, z)$, *with* δ, q *and* Θ; $q^4 = 0(.001).1$, $z = 1(.05)1$; G *to* 9D, q *to* 7D, θ *to* 0′.0001. *Also related functions to* 5D *over reasonable grid. Auxiliary functions* $H(q^3, z)$ *for* ϑ_2 *similar to both sets above,* 9D *and* 5D	246–248
	Mathieu Functions. Spheroidal Wave Functions. Lamé Functions	
42	*Characteristic values of Mathieu's equation,* $\mathrm{Be}_r(t) = \mathrm{be}_r(s) - (2r+1)/t$, $\mathrm{Bo}_r(t) = \mathrm{bo}_r(s) - (2r-1)/t$, *and* mod δ^2; *here* $s = 1/t^2$; $r = 0(1)15$, $s \geq 10$ *in variable interpolable increments;* 6 *to* 8D	108
53	*Solutions of* $\nabla^2 W + k^2 W = 0$ *in oblate and prolate spheroidal coordinates*	172–173
	Hypergeometric Functions, Confluent Hypergeometric Functions	
56	*Laguerre polynomials* $L_n(x)$ *and* mod δ^2; $n = 0(1)10$, $x = 0(.1)5$; 5 *to* 6D	174–175
101	*Weber parabolic cylinder functions* $W(a, x)$ *and* $W(a, -x)$ *and reduced derivatives for interpolation in x;* $a = -10(1)10$, $x = 0(.1)10$; 8S. *Much auxiliary material*	245–246
103	*Laguerre functions* $e^{-x/2} L_n(x)$; $n = 0(1)10$, $x = .1(.1)1(.25)6$, $(1)14$ $(2)34$; 6S	248–249
103	$H(m, a, x) = e^{-ix} F(m + 1 - ia, 2m + 2 = 2ix)$; $x = 1(1)10$, $a = 1$ $(1)10$, $m = 0(1)3$; 7S.	248–249
103	*Zeros of* $L_n(x)$; $n = 1(1)15$; 12D. *Corresponding weights for quadrature* 12S	248–249
	Miscellaneous Functions	
105	*Clauson's integral* $\mathrm{Cl}(\theta) = -\int_0^\theta \log(2 \sin 1/2t)dt = \Sigma\, n^{-2} \sin n\theta$; *with* δ; $\theta = 0°(10')180°$; 6D	250–252
109	*Functions related to molecular structure for atoms up to neon*	255–256
	Interpolation Coefficients and Formulas	
10	$L(x)$, *where* M^6, μM^5, M^4, $\delta^2 M^4$, $\delta^4 M^4$, μM^3, $\mu\delta^2 M^3$, $\delta^4 M^2$, M^5, μM^4, M^3, $\delta^2 M^3$ *resp.* $= \int_{-\infty}^{\infty} L(t) E^{-t} dt$; $x = 0(.1)x_0$, *where* $L(x_0) = 0$; *exact*	38–39
	Numerical Differentiation	
8	$h^\beta k^{\alpha-\beta}(\partial^\alpha f/\partial x^\beta \partial y^{\alpha-\beta})$; $\alpha = 1(1)4$, $\beta = 0(1)\alpha$; *in terms of differences of f with increments* (h, k)	38
51	$A_{i,p;q}$; $p = 1(1)n$, i, $q = 0(1)n$, $n = 2(1)10$; *exact rational fractions. Here* $f^{(p)}(x_q) = \Sigma\, A_{i,p;q} f(x_i)$	171–172
	Curve-Fitting, etc.	
72	*Coefficients of* b_n, *where* $T_n(ax + b) = \Sigma\, b_m T_m$, *and* T_m *is a Chebyshev polynomial;* $n = 12, 24$	231

Review Number (*For author see p.* 267–8)	*Description*	*Page*
	Harmonic Analysis—Sines and Cosines	
3	$\sin\left(vn\frac{360}{100}\right)$ *and* $\cos\left(vn\frac{360}{100}\right)$ $v = 0(1)25, n = 1(1)25$; 4D.	35
	$\sin\left(vn\frac{360}{400}\right)$ *and* $\cos\left(vn\frac{400}{400}\right)$ $v = 0(1)100, n = 1(1)50$; 4D	
	Integral Transforms	
104	$\int_1^\infty e^{-xu}u^{-n}du$ *and related functions;* $n = 0(1)20$, $x = 0(.01)2(.1)10$; 7–10D	249–250
104	$\int_0^1 x^k \sin n\pi x dx$ *and* $\int_0^1 x^k x^k \cosh \pi x dx$; $k = 0(1)10, n = 1(1)100$; 10D	249–250
107	*Extensive tables of integral transforms*	252–254

TABLES FROM STATISTICS

	Normal Distribution. Area, log Area and Ordinates as Functions of the Deviate x	
77	$p(x)$; $x = 0(.001)2.499$; 5D	233–234
	Normal Distribution. Area, log Area and Ordinates as Functions of $x/\sqrt{2}$	
41	*Error function* $H(x)$; $x = 0(.001)2(.01)3.09$; 5D	106–107
	Normal Distribution. Ratios of Ordinate to Area, etc., as Functions of the Deviate x, etc.	
74	*Ratios of ordinate to integral and reciprocals;* $x = 0(.01)3$; 5D *except ordinate to integral* 5S	232
	Normal Distribution. Miscellaneous Functions with Deviate x as Argument	
13	$a_i^{(k)}$ *such that* $[e^{x^2/6}p(x)]^k = \Sigma\, a_i^{(k)}x^i$; $i = 0(1)30$; $k = 1(1)7$; 8S	43–44
	Normal Distribution. Deviates as Functions of the Area p, Percentage Points, Probits	
77	$x(p)$; $p = 0(.001)1.000$; 5D	
	Normal Distribution. Tables Associated with Probit Analysis	
20	*Minimum working probits,* $y_m = \left(Y - \frac{p}{Z}\log p\right)$, $x' = p/Z, w = Z^2/p^2$; $Y = 1(.1)5$; 4D or 5S	48
77	$z^2/p(1-p)$; $p = 0(.001)1.000$; 4D. *Here z is the ordinate*	233–234
	Higher Integrals of the Normal Area	
58	$i^n \operatorname{erfc}(x) = \int_x^\infty i^{n-1}\operatorname{erfc}\xi d\xi$; $n = -1(1)11$, $x = 0(.05)1(.1)2.8$; 6–9D	176–177

Review Number (For author see p. 267–8)	Description	Page
	Rankings of Normal Samples or Order Statistics, Median and Percentiles	
13	(1) *5th and* (2) *95th percentiles of* $q_n = x_n/x$ *and* (3) *95th percentile of* $u_n = \lvert x_n/s \rvert$, $x_n = \max$ *of n samples from* $N(0, 1)$, *s independently distributed with* ν *degrees of freedom; for* (1) $n = 1(1)8$, $\nu = 3(1)10(2)20, 24, 30, 40, 60, 120, \infty$; *for* (2) $n = 1(1)10$, $\nu = 1(1)5(5)20, 24, 30, 40, 60, 120, \infty$; *for* (3) $n = 1(1)8$, $\nu = 5(5)20, 24, 30, 40, 60, 120, \infty$; 2D	43–44
	Normal Distribution. Measures of Location and Dispersion other than the Standard Deviation	
16	$(.95)^{p-1}$ *and* $(.99)^{p-1}$ *points for* $q(p, n_2)$, *where* $q(p, n_2) = w/s$, *w being range of p independent normal variates with equal* (m, σ) *and* $n_2 s^2$ *is from* χ^2 *with* n_2 d.f.; $p = 2(1)10(2)20, 50, 100$, $n_2 = 1(1)20(2)30, 40, 60, 100, \infty$	45–46
24	*Tables relating to* $R = \max_{i,j} \lvert x_i - x_j \rvert$, $i, j = 1(1)4$, x_i *a sample from* $N(m_i;\sigma)$; *specialized* m_i	50
88	*Relative efficiency of additive adjustment method and standard ratio estimates of extrapolating population totals;* $r = .6(.1).9, .95$, $S = .4(.2)2$, $f = .6(.2)2.4$; 4D. *r is correlation, S ratio of standard deviations, f the ratio of means*	239–240
89	*Percentage points of* G_1 *and* G_2 *for levels* $\alpha = .10, .05, .01$; $n = 2(1)15$, $m, m_1, m_2 = 1(1)15$; 2D. *Samples are of size mn and* $(m_1 + m_2)n$, $G_1 = \lvert \bar{X} - u \rvert / \bar{R}$ *and* $G_2 = \lvert \bar{X}_1 - \bar{X}_2 \rvert / \bar{R}$	240
	Tests of Normality	
99	*Fisher's* k_9 *and* k_{10} *in terms of power sums and sample moments*	244
	Normal Bivariate Distribution	
25	*Proportions of success in high and low 27-percentiles,* p_H *and* p_L; $.5000 \leq p \leq .9713$, $r = .05(.05)1.00$; 4D. *Here p is item difficulty and r is item discrimination*	50–51
79	*Tetrachoric r for median cuts; proportions* 3D; 3D	234
	Normal Distribution. Miscellaneous. Quality Control	
87	*Average lengths of uninterrupted runs in various inspection schemes;* 0D	238–239
	Ordinates of the χ^2-Distribution and Poisson Frequencies	
83	$e^{-a}a^x/x!$ *and* $\delta, \cdots \delta^6$; $a = .5(1)15(1)100$; 6D, *and* $a = 0(.001).01(.01).4$; 7D	236
	Factorials and the Gamma Function. Moments of χ^2 and χ	
41	$\Gamma(n)$ *and* $\log \Gamma(n)$; $n = 1.01(.01)2.50$; 5D	106–107
	Auxiliary Tables for Testing with Γ Variates	
15	*Tables giving confidence limits of lot acceptance tests, exponential distribution of failures*	44–45
	Miscellaneous Functions Based on the Poisson Distributions	
85	$\dfrac{(N-1)!}{(N-i)!} \Sigma_{M=0}^{N-1-i} N^M/M!$; $i = 0, 1$, $N = 2(1)20(2)40(5)100$	237

Review Number (*For author see p.* 267–8)	*Description*	*Page*
	Binomial Distribution. Auxiliary Tables and Charts for Testing Percentages	
12	P_{NK} (*probability of kill by salvo of* N *bombs on unit square with normal circular distribution* $\{\xi, \eta, \sigma_R\}$ *with* (ξ, η) *normal circular* $\{0, y_0, \sigma_A\}$ *for* $P_{1K} = .1(.3)1$; $y_0 = 0, 1, 2, 4, 7, 11, 16, 22$; $\sigma_A, \sigma_R = 1, 2, 4, 7, 11, 16, 22$; $N = 1, 5, 10, 25, 50, 100, 150, 200$; 4D	43
14	*Critical values for a signifiance test of differences between small proportions, binomial variates*	44
	Miscellaneous Functions Based on the Binomial Distribution	
17	$E'(np, n) = \Sigma \frac{1}{r} \binom{n}{r} p^r q^{n-r}$; $np = 1(1)10$, $n = 25, 50, \infty$, *and* $np = 12(2)20$, $n = 25, 50, 100$, *and* $np = 25(5)45$, $n = 50, 100$; 4–5D	46–47
	Tables of *F*-Distributions and Multivariate Variance Tests	
78	$P(Q_k < t)$, *where* $Q_k = \Sigma_{i=1}^{k} a_i x_i^2$, $x_1 \epsilon N(0, 1)$ *and independently* $k = 2, 3$, $t = .1(.1)1(.5)2(1)5$; 4S	234
	Likelihood and Maximum Likelihood Criteria on Parameters in Poisson Parents	
84	*Confidence levels for estimation of Poisson distribution parameter by timing* M *occurrences;* $M = 2(2)40$, *allowed error* = 1, 5, 10, 20%; 4D	236–237
	Likelihood and Maximum Likelihood Criteria on Parameters in Miscellaneous Parents	
112	*Various tables for maximum likelihood estimates in stochastic learning theory*	259
	Distribution of Serial Correlations and Related Statistics	
86	*Tables relating to use of* $\delta^2 = \Sigma (x_{i+1} - x_i)^2/n - 1$ *as estimator of* σ^2	237–238
	Rank Correlation and Associated Criteria	
21	*For Kendall's rank correlation* S, $P_r\{S \geq S_0\}$; $k = 3$ *and* $m = 2(1)5$, $k = 4$ *and* $m = 2(1)4$, $k = 5$ *and* $m = 2, 3$, $k = 6$ *and* $m = 2$, *and* $S_0 = 0(2)\cdots$; 3–4S	48
22	*Rating estimates* π_i, *a testing statistic* B_1 *and significance probability of* B_1 *for rank analysis;* 4 *treatments,* 7 *and* 8 *repetitions and* 5 *treatments,* 1 *to* 5 *repetitions;* π_i *to* 2D, B_1 *to* 3D, *significance to* 4D	49
90	*Point biserial correlation coefficient for normal variate dichotomized at median;* 1D *chart*	240
91	$\sqrt{nAV(r^*)}$; $\pm \rho = 0(.10)1$, $p = .05(.05).95$; 3D. *Here* $AV(r^*)$ *is asymptotic variance of Pearson's biserial correlation coefficient*	240–241
	Order Statistics Criteria from any Continuous Parent	
23	*Rejection levels for assumption of symmetric distribution about* 0 *when* n *observations are negative;* $\alpha = .01, .05$ *and* $n = 5(1)2S$. *Effective significance levels* $n = 5(1)30$	49
	Non-parametric Two Sample and Analysis of Variance Randomization Tests	
94	$A_0(u, m)$; $m \leq 12$ *and* $u \leq 100$; *exact* $A_2(u, m)$; $m \leq 11$ *and* $u \leq 75$; *exact. Here* $A_k(u, m) = \Sigma A_{k-1}(u - rk, m)$	242

Review Number (For author see p. 267–8)	*Description*	*Page*
	Runs	
96	p_n, *probability that a run of n decimal digits will be repaired to include every digit;* $n = 1(1)75$; *exact or* 20D	243
	Miscellaneous Non-parametric Tests	
92	$(n-2k)\binom{n}{k}\Big/2^{n-1}$ *for use in a bivariate sign test;* $n = 1(1)30$, $k < n/3$; 5D	241
93	*Power of an unweighted sign test of a linear regression model;* $N = 15(15)135$; 3D. *Significance levels*	241–242
97	*Upper and lower bounds of w/s; sample size* $n = 3(1)20(10)100$, 150, 200, 500, 1000; 3D. *Percentage points* 0, .5, 1, 2.5, 5, 10% *for normal samples;* $n = 3$; 5D	243–244
98	*A statistic Q nearly* χ^2 *for testing equality of k distribution functions;* $k = 3$, *numbers of samples* ≤ 3; 4D. *Also lower* .10, .05, *and* .01 *significance levels* 4D	244
	Formulas for Moments of Moments and Cumulants	
76	$E(u_n)$, $E(u_n^2)$, $\sigma(u_n')$; $n = 3(1)25$; 4D. *Here* $u_n = \max\{S_1, S_2, \cdots, S_n\}$, $S_r = \sum_1^r x_i$, $x_i \in N(0, 1)$ *independent*	233
	Distributions of Means from Non-Normal Parents	
80	5, 1, .1% *levels of* $s^2/\bar{s}^2$; $n = 20(5)100(50)1000$; 4S. s^2 *is lumped variance of sample from population of normal components with means differing by* 2S	235
	Miscellaneous Tables Relating to Fitting of Frequency Distributions, Moments of Moments and Cumulants, Means from Non-Normal Parents, etc.	
100	*Production efficiency, N machines;* $x = .005(.001).01(.01).12$, *for* $x > .04$, $Nx = .1(.1)1.9$ *and for* $x \leq .04$, $Nx = .1(.1).8(.05)1.2(.1)1.9$; 3D	244–245
	Tables for Harmonic Analysis	
3	$\sin\left(vn\frac{360}{100}\right)$ *and* $\cos\left(vn\frac{360}{100}\right)$ $v = 0(1)25$, $n = 1(1)25$, 4D	35
	$\sin\left(vn\frac{360}{400}\right)$ *and* $\cos\left(vn\frac{360}{400}\right)$ $v = 0(1)100$, $n = 1(1)50$, 4D	
	Random Numbers	
11	10^6 *random decimal digits*	39–43
52	10^4 *random decimal digits*	172
	Random Deviates from Mechanical Devices—Quasi-Random Numbers	
68	*Five methods of generating quasi-random numbers*	229
	Random Normal Deviates	
11	10^5 *deviates from* $N(0, 1)$	39–43

TABLES FROM PHYSICAL SCIENCES

TABLE ERRATA

NOTES

CORRIGENDA

TO PAPERS:

Authors	*Title*	*Page*
HARVEY COHN	"Stability configurations of electrons on a sphere"	263

TO REVIEWS:

CECIL HASTINGS, JR., JEANNE T. HAYWARD, & JAMES P. WONG, JR.	"Approximations for Digital Computers"	55
N. G. W. H. BEEGER	*Table of the Least Factor of the Numbers that are not Divisible by* 2, 3, 5 *of the Eleventh Million*	182
GIUSEPPE PALAMA & L. POLETTI	"Tavola dei numeri primi dell'intervallo 12 012 000–12 072 060"	182
ANDREW D. BOOTH	*Numerical Methods*	262
W. MÜLLER	"Viscous flow within cylindrical boundaries"	263
K. C. S. PILLAI & K. V. RAMACHANDRAN	"On the distribution of the ratio of the ith observation in an ordered sample from a normal population to an independent estimate of the standard deviation"	263
THE RAND CORP.	*A Million Random Digits and* 100,000 *Normal Deviates*	263