

SUBJECT INDEX

- Aberdeen Proving Ground Computers 43, 96
 Accounting 167-168
 ACE 96, 174, 175
 Actuarial Tables 187, 212, 216-217, 228
 Addition and Subtraction Logs 202
 Aerodynamics *see* Fluid Mechanics
 Air Navigation *see* Navigation
 Antilogarithms 195-196
 Arc Cosine 199-200
 Arc Cotangent 199
 Arc Sine 199-200
 Arc Tangent 9-11, 199-200
 Arc Tangent Relations 9-10
 Area of Circles 199
 ASCC 169, 224, 228
 Astronomy 187, 190-191, 211, 230-231
 Astrophysics 23
 Automatic Computing Engine 96, 174-175
 Automatic Sequence Controlled Calculator
 169, 224, 228

 Ballistics 190
 BARK 29-34, 40, 155
 Bell Telephone Computers 30, 45, 171
 Bernoulli Polynomials 15, 195
 Bessel Functions 24-25, 38, 76, 80-81, 112,
 151-152, 158-159, 163, 189, 204-207,
 222-224, 226-227
 Bessel Functions, Roots of 24-25, 80
 Bessel-Clifford Functions 206
 Binär Automatisk Relä-Kalkylator 29-34,
 40, 155
 Binomial Coefficients 195
 Binomial Distribution 22
 Biography and Bibliography 108-109, 255-
 259
 BTL 30, 45, 171
 Burroughs Laboratory Computer 241

 Calculating Machines *see* Computing Ma-
 chines
 CALDIC 57-61, 120-128, 173
 California Digital Computer 57-61, 120-128,
 173
 Census 245
 Chaplygin Functions 158
 Chi Square Distribution 110, 150
 Coding 31-32, 40-41, 86-92, 120-128, 232-
 237
 Computing Machines, Analogue 49-53, 96,
 99-108, 173, 176-183, 246-255
 Computing Machines, Digital 1, 5, 20, 29-
 34, 40-48, 86-92, 95-108, 167-177, 185,
 224, 228, 233-237, 240-245, 254
 Computing Methods *see* Numerical Analysis
 Congruences 12, 28, 81, 85, 191, 210
 Conversion Equipment 240-241
 Conversion Tables 212
 Cosecant 197-198
 Cosine 5, 20-21, 191, 196-198, 209
 Cosine, Hyperbolic 201
 Cosine Integral 156, 202, 222
 Cotangent 196-198
 Coulomb Potential 224-225
 CPC 86-92, 185, 254
 CRC 101 241
 Cube Root 194
 Cubes 189, 191-192
 Cubic Fields 134

 Decimal Equivalents of Fractions 135-139
 Derivatives 16, 213-215
 Difference Equations 33-39, 163-167
 Differences 62-66
 Differences of Zero 70, 73
 Differential Analyzers 104-106, 250-253
 Differential Equation Solvers 102, 104-106,
 179
 Differential Equations 33-39, 92-95, 128-
 133, 155, 158, 169, 207-208, 224-225
 Differentiating Machines 99-102, 106
 Diophantine Equations 138-139, 162, 191,
 211
 Distribution Functions 2, 6-8, 17, 221-222
 Divisors, Sums of Fifth Powers of 28, 54,
 190, 210

 EDSAC 25, 43-45, 97, 170-171, 207
 EDVAC 1, 41-43, 241
 Elasticity 154
 Electronic Delay Storage Automatic Cal-
 culator 25, 43-45, 97, 170-171, 207
 Electronic Discrete Variable Computer 1,
 41-43, 241
 Electronic Numerical Integrator and Com-
 puter 1, 5, 20, 40, 96, 98, 170-171, 195,
 208, 210, 226, 241, 243
 Elliptic Functions 157-158
 Elliptic Integrals 78-80, 157, 223
 Engineering Research Associates Computer
 241
 ENIAC 1, 5, 20, 40, 84, 96, 98, 170-171,
 195, 208, 210, 226, 241, 243

- Epstein Zeta Function 77-78
 Equation Solvers 49, 102, 104-106, 246-248
 Equations, Transcendental *see* Transcendental Equations
 ERA 1101 241
 Errata 25, 27, 74, 81-83, 139, 143, 146-147, 151-153, 160-161, 228-231
 Error Functions *see* Probability Integral
 Error Functions of a Complex Variable 67-70
 Euclid's Algorithm 133
 Exponential Function 7, 27, 70, 190-191, 200
 Exponential Integral 55, 156, 162-167, 184, 202
 Exponential Integral, Complex Argument 202-203

 Factor Tables 231
 Factorial Designs 17-19
 Factorials 82, 162, 195
 Factorizations 28, 72, 82, 133-134, 160, 162
 Fairchild Linear Equation Solver 45
 Farey Series 135-139
 Fermat's Converse 12, 85
 Fermat's Quotient 84-85, 210
 Fermi-Dirac Functions 160
 Ferranti Computer 96
 Fibonacci Numbers 72
 Fields, Cubic *see* Cubic Fields
 Fields, Quadratic *see* Quadratic Fields
 Figurate Numbers 15
 Finite Differences 15
 Fluid Mechanics 11-12, 77, 187, 189, 210, 227
 Fourier Coefficients 141, 190
 Fourier Series 15
 Fresnel Integral 156
 Functions (special) *see* Bessel, Bessel-Clifford, Chaplygin, Distribution, Elliptic, Epstein Zeta, Error, Exponential, Fermi-Dirac, Gamma, Hankel, Hyperbolic, Hypergeometric, Jacobi Elliptic, Laguerre, Legendre, Liouville, Lommel, Mathieu, Probability, Ramanujan, Riemann Zeta, Struve, Trigonometric, Weierstrass Elliptic

 Gamma Function 203
 Gamma Function, Complex Argument 25-26
 Gamma Function, Incomplete 156, 221
 Gamma Function, Log of 203
 Gamma Function, Reciprocal of 160-161
 Gear Ratios 138

 General Electric Computers 95
 Geodetic Tables 26-27, 187, 198, 212
 Graphs 49

 Hankel Functions 38
 Harmonic Analysis 19-21, 149, 208-209
 Harmonic Synthesis 19-21
 Harvard Mark I 169, 224, 228
 Harvard Mark II 97, 172
 Harvard Mark III 46, 97
 Harvard Mark IV 97
 Haversines 258-259
 Hermite Polynomials 82-83, 203-204
 High Speed Sampling Machine 1
 Hydraulics 33, 79
 Hyperbolic Functions 27, 189, 201-202
 Hyperbolic Functions, Inverse 17, 201-202
 Hypergeometric Functions, 153
 Hypergeometric Functions, Confluent 76

 Institut Blaise Pascal Machine 97
 Institute for Advanced Study Computer 1, 43, 96, 241
 Integral Equations 23
 Integrals, Definite 159, 222-223, 225, 232
 Integrals (special) *see* Cosine, Elliptic, Exponential, Fresnel, Probability, Sine
 Integrals 106-107, 180
 Integrators 106-108
 International Business Machines 86-92, 95-96, 98, 115-120, 197, 201, 254
 Interpolation 16, 140-141, 213-215, 218-219
 Interpolation Coefficients 24, 140-141, 208
 Isograph 104
 Iteration 183

 Jacobi Elliptic Function 155, 157-158

 Kalin-Burkhart Logical-Truth Calculator 120
 Kepler's Equation 189, 211

 Lagrangean Coefficients 208
 Laguerre Functions 232
 Latin Rectangles 13
 Latin Squares 17-19
 Legendre Functions 152-153
 Linear Equation Solvers 45, 178
 Linear Programming 244-245
 Linkages 49
 Liouville Function 71-72
 Logarithms, Common 195-196
 Logarithms, Natural 6, 83-84, 189, 201
 Logarithms of Complex Numbers 202

- Logarithms of Trigonometric Functions 191
 Logic Computers 120-128, 242-243
 Lommel Function 154
- MADDIDA** 43, 172, 241
 Magnetic Drum 95
 Magnetic Drum Digital Differential Analyser (MADDIDA) 43, 172, 241
 Manchester University Digital Computer 96
 Mathieu Functions 190, 207
 Matrices 13-14, 34, 55, 115-120, 180, 237-239, 255
 Mechanisms 48-49, 99-102, 106-107
 Memory Devices 39, 43-44, 46
 Monte Carlo Method 55, 109, 115-120
 Moore School Automatic Computer 96, 241
 MSAC 96, 241
 Multiplying Sticks 253-254
- NAREC** 96, 242
 National Bureau of Standards Eastern Automatic Computer 1, 40, 43-45, 81, 96-97, 99, 172, 232-237, 241
 National Bureau of Standards Western Automatic Computer 1, 43, 46, 82, 96-97, 173, 241
 Naval Proving Ground Calculator 96
 Naval Research Laboratory Electronic Digital Computer 96, 242
 Navigation 211-212
 Nomograms 51-53, 102
 Number Theory 12, 28, 70-72, 84-85, 133-139, 162, 187, 190-191, 210-211, 215-216, 231-232
 Numerical Integration 61-67, 216-219, 222
 Numerical Analysis 34-39, 92-95, 163-169, 237-240
- OMIBAC** 95
ORDVAC 241
 Orthogonal Polynomials 81, 142-143, 190, 208
- Permutations 13, 15, 17-19, 71
 Physical Tables 190
 Poisson Distribution 3, 146
 Polynomials *see* Bernoulli, Hermite, Orthogonal
 Powers 191-192
 Powers, Fractional 191, 194
 Powers of Complex Numbers 191, 194-195
 Powers of 2 192, 210
 Prime Pairs 215-216
 Primes, Large 55
 Primes, Lists of 28, 210
 Primes, Powers of 210
 Probability Functions 203, 221
 Probability Integral 203-204, 221, 228-230
 Probability Integral, Complex Argument 204
 Punch Card Methods 59-60, 115-120
 Punch Card Tables 185-212
 Pythagorean Triangles 28, 232
- Quadratic Fields 133, 139
 Quadratic Partitions 85, 162
 Quality Control 149-150
- Radiation 226
 Radioactivity 3
 Ramanujan's Function 53, 190, 210
 Random Digits 2-4, 109-110, 115, 209
 Random Numbers 3-8, 118, 187, 209-210
 Rational Triangles 12
 Raytheon Computer 43, 172, 241
REAC 175-176, 250-253
 Reciprocals 189, 191-193
 Recurring Series 19, 72
 Reeves Electronic Analogue Computer 175-176, 250-253
 Registers 41
 Relaxation Methods 255-258
 Relay Computers 30, 45, 96, 169, 171, 197, 201, 224, 228, 241
 Riemann Zeta Function 207
 Runge-Kutta Method 128-133
- Sampling 1-8
SEAC 1, 40, 43-45, 81, 96-97, 99, 172, 232-237, 241
 Selective Sequence Electronic Computer 1, 5, 40
 Secant 197-198, 211
 Series 11-12, 219-221, 225
SIMON 95
 Sine 20-21, 191, 196-198, 209
 Sine, Hyperbolic 201-202
 Sine Integral 156, 202
 Slide Rule 102
 Spherical Triangles 200, 211
 Spheroidal Wave Functions 76, 79
 Square Root 111-112, 180-182, 189, 191, 193-194
 Squares 189, 191
SSEC 1, 5, 40
 Statistics 17-22, 72-75, 85-86, 141-150, 190, 203-204, 221-222
 Struve Function 22-25

- Student's t 75, 85–86
 Sum of Fifth Powers of Divisors 28, 54, 190, 210
 Sum of Two Squares 12
 SWAC 1, 43, 46, 82, 96–97, 173, 241

 Tangent 9, 20, 196–198, 211
 Tangent, Inverse *see* Arc Tangent
 Transcendental Equations 140, 231
 TRE Computer 96
 Trigonometric Coefficients 207

 Trigonometric Functions 9–11, 70, 189–191, 196–199
 UNIVAC 1, 172, 176–177, 241, 245
 Universal Automatic Computer 1, 172, 176–177, 241, 245

 Weierstrass Elliptic Functions 28, 157
 Whirlwind 43, 96, 241
 Wilson's Quotient 81

 Zuse's Machine 45–46, 241

NAME INDEX

- Abbott, W. R. 128
 Abramowitz, M. 22, 25, 186
 Aiken, H. H. 43, 97, 171, 186, 243
 Airey, J. R. 67, 69, 164, 167, 223
 Akademiâ Nauk, SSSR 151, 160
 Akushskii, I. I. 25, 27
 Alden, J. M. 170
 Aldis, W. S. 151
 Alexander, S. N. 96, 98, 245
 Alt, F. L. 171, 243, 245
 Anderson, R. L. 81, 141, 143, 190
 Anderson, T. W. 141
 Andoyer, H. 189
 Andrew, M. M. 39, 95, 170, 171
 Andrews, E. G. 171
 Andrews, H. L. 102
 Anema, A. S. 28, 232
 Anscombe, F. J. 17
 Apostol, T. M. 78
 Archibald, R. C. 24, 25, 81, 109, 112, 138, 140, 152, 222, 224, 259
 Armer, P. 47, 186
 Arnold, K. J. 143
 Aroian, L. A., 146, 148
 Ashby, W. R. 97
 Åstrand, J. J. 189
 Atkinson, C. P. 100, 102
 Avery, H. T. 248

 BAASMTTC, 25, 74, 75, 151, 152, 166
 Babbage, C. 169
 Babington-Smith, B. 109, 110
 Banachiewicz, T. 13, 112
 Baños, A. Jr. 173
 Barankin, E. W. 244
 Barker, R. H. 240
 Barlow, P. 109, 189
 Barnett, M. P. 222

 Bartberger, C. L. 222
 Bartlett, M. S. 145, 146
 Bauer, L. 175, 250
 Baum, R. V. 174
 Bauschinger, J. 191
 Bayly, J. G. 102
 Beard, R. E. 70, 216
 Beck, C. 176, 250, 253
 Becker, G. F. 27
 Becker, H. W. 13
 Beckerley, J. G. 26
 Bedford, F. G. D. 259
 Beeger, N.G.W.H. 12, 81, 84, 85, 160
 Beggs, J. S. 248
 Beiser, A. 102
 Bell, W. D. 186, 188, 196, 254
 Belzer, J. 45, 186
 Bennett, R. R. 175, 176, 250, 251, 253
 Benoît, 112
 Benson, B. S. 249
 Berck, W. F. 248
 Bereis, R. 48
 Berggren, G. 48
 Bergman, S. 45
 Bergström, H. 134
 Berkeley, E. C. 95, 128, 167, 172
 Bickerstaff, T. E. 147
 Bickley, W. G. 16
 Bickmore, C. E. 12
 Bieberbach, L. 128, 132, 133
 Bigelow, J. H. 99
 Birge, R. T. 143
 Birnbaum, Z. W. 49, 150
 Bisplinghoff, R. L. 249
 Black, A. N. 72
 Blackett, D. W. 244
 Blanch, G. 15, 66, 76, 212
 Blum, J. 168

- Bodewig, E. 14
 Boelter, L. M. K. 173
 Boermeester, J. M. 186
 Bogert, B. P. 177
 Bonner, D. T. 175
 Booth, A. D. 97
 Boothroyd, A. R. 49
 Bouwkamp, C. J. 76
 Bower, E. C. 65, 67, 186, 188, 189
 Brainerd, J. G. 99, 190
 Bramble, C. C. 172, 186
 Brandenburg, H. 191
 Bretoi, R. N. 175, 250, 251
 Brillouin, L. 99
 Brinkley, S. R. Jr. 112, 186
 Brock, P. 103, 175, 176, 250, 252
 Brocot, A. 137
 Brooke, A. W. 98
 Broomall, J. 174
 Brown, D. R. 173
 Brown, G. W. 105, 106, 178
 Brown, W. F., Jr. 81, 143
 Browne, S. H. 47
 Buckingham, E. 138
 Burgess, J. 69
 Burnside, J. L. 175, 250, 251
 Bykhovskii, M. L. 40
- Cahn, A. S. Jr 173
 Callet, F. 189
 Cannon, E. W. 29, 45, 86, 97, 163, 169, 232
 Cantor, G. 140
 Capuano, R. E. 82, 83
 Caquot, M. 97
 Carrus, P. A. 152
 Carter, A. H. 153
 Cauchy, A. 137
 Chandrasekhar, S. 23
 Chapman, D. G. 141
 Chappell, E. 189
 Charnes, A. 244
 Chatland, H. 133
 Chebyshev, P. L. 142, 143, 145
 Chernac, L. 215, 216
 Cherry, E. C. 49, 50
 Cherry, L. H., 47, 173
 Cherry, T. M. 219
 Chetaev, N. G. 151
 Cheydleur, B. F. 186
 Cholesky, 13, 112
 Church, R. 53
 Citizen, J. Q. 245
 Clark, J. W. 178
 Clark, R. A. 154
- Clark, W. R. 98
 Clemence, G. M. 186
 Clenshaw, C. W. 39
 Clippinger, R. F. 44
 Clogston, A. M. 98
 Coates, R. P. 186
 Coburn, N. 49
 Cochran, W. G. 17
 Coghlan, R. M. 231
 Cohen, A. C., Jr. 75
 Colebrook, E. M. 97
 Coleman, J. S. 172
 Collar, A. R. 14
 Collatz, L. 14
 Comrie, L. J. 108, 109, 191
 Condon, E. U. 46, 47, 173, 244, 245
 Connolly, J. J. 174
 Connolly, T. J. 242
 Conolly, B. W. 76
 Cook, C. F. 175, 250, 251
 Cooke, F. J. 99
 Cooley, E. F. 172
 Coombs, A. 77
 Cooper, E. P. 47
 Cooper, W. 244
 Coplen, H. L. 47
 Coradi, G. 106, 180
 Cornfield, J. 142
 Couffignal, L. 97
 Coull, J. 51
 Coulson, C. A. 162, 165, 167, 222
 Cowell, P. H. 61, 66
 Cox, G. M. 17
 Craig, C. C. 17, 22, 72, 73, 86, 141, 145, 147
 Cranz, C. 190
 Crawford, R. 196
 Crédit Communal de Belgique, 228
 Crelle, A. L. 138
 Crommelin, A. C. D. 61, 66
 Crown, J. C. 172
 Cruise, S. E. 239
 Cullen, J. 231
 Culler, V. E. 225
 Cunningham, A. J. C. 135, 138, 139, 160, 231
 Cunningham, L. E. 47, 173
 Curtis, H. L. 178
 Curtiss, J. H. 44-46
- Danforth, C. E. 254
 Daniels, H. L. 44, 45
 Dantzig G. B. 45, 244, 245
 Dau, F. J. 244
 Davenport, H. 133

- David, F. N. 72, 73
 Davis, C. F. 186, 188
 Davis, H. T. 26, 82, 141, 146, 147, 149, 190
 Davis, W. W. 99
 Dawson, H. G. 67, 68, 70
 Debreu, G. 244
 DeBroglie, L. 97
 Dédekind, R. 255, 258
 De Lella, A. 190
 De Lury, D. B. 142, 143, 160
 De Morgan, A. 138
 Dempsey, C. W. 143
 den Broeder, G. G. 175, 250, 251
 De Wolff, N. 99
 Dickson, L. E. 85
 Dimsdale, B. 172
 Dinnik, A. N. 151
 Diprose, K. V. 240
 Dirac, P. A. M. 160, 226
 Ditkin, V. A. 25, 27
 Doodson, A. T. 80
 Doporto, M. 249
 Dryden, H. L. 45
 Duncan, W. J. 14
 Duncanson, W. E. 162, 165, 167
 Duncombe, R. L. 231
 Dwyer, P. S. 15

 Eckert, J. P. 245
 Eckert, W. J. 185, 186
 Egan, U. N. 19, 149
 Ehlers, H. L. 175, 250, 252
 Eichelbrenner, E. A. 227
 Eisenhart, C. 143
 Ekelöf, S. 48, 97
 Elbourn, R. D. 41, 44, 240, 242, 243
 Elliott, W. S. 240
 Elmendorf, A. 100–102
 Elsey, P. J. 107
 Emersleben, O. 77, 78
 Engel, E. 20
 Erdélyi, A. 23, 25, 26, 77, 78, 80, 154–156,
 158–160, 222, 223, 225–227
 Erion, W. E. 98
 Euler, L. 136, 250
 Evans, D. S. 240
 Evans, G. W. II 175, 250
 Everett, R. R. 171
 Eyres, N. R. 179

 Faddeeva, V. N. 24, 224
 Farey, J. 135–138
 Fein, L. 172
 Fender, F. G. 103

 Ferber, B. 186
 Fermat, P. 84, 85, 134
 Fermi, E. 160
 Ferrier, A. 55, 82
 Fifer, S. 175, 250
 Finelli, J. J. 96
 Fisher, R. A. 17–19, 70, 141–143, 154
 Flake, G. 162
 Fletcher, A. 157, 187, 189, 223
 Flood, M. M. 190, 244
 Forrester, J. W. 174
 Forsythe, G. E. 55, 115, 184, 244, 258
 Fowle, F. E. 190
 Fox, L. 35, 36, 39, 65, 67, 95, 165, 166, 167,
 258
 Frankel, E. T. 15
 Frankel, S. P. 47, 242
 Franklin, A. D. 186
 Frazer, R. A. 14
 Freese, H. 34
 Frey, H. B. 178
 Friedman, B. 78
 Friedman, D. 99
 Fritz, W. B. 171
 Fröberg, C. E. 34, 48, 154
 Frost, H. B. 98, 99
 Früchtl, K. 215
 Fulton, A. S. 175, 250, 251

 Garabedian, P. R. 47
 Garwin, R. L. 104
 Gastaut, H. 97
 Gauss, C. F. 13, 14, 255, 256, 258
 Gavurin, M. K. 24, 224
 Gayen, A. K. 144
 Geiringer, H. 14, 240
 Gerling, C. L. 255, 256, 258
 Germain, P. 97
 Ghizetti, A. 26
 Gibb, D. 213, 215
 Gilbert, D. L. 85, 86
 Gill, S. 169
 Gilpin, R. D. 175, 250, 251
 Gjeddebaek, N. F. 144
 Glaisher, J. W. L. 53, 54, 138–139
 Glinski, G. 174
 Gloden, A. 12, 28, 85, 133, 162
 Glover, J. W. 228
 Gnedenko, B. V. 221
 Godefroy, E. 84
 Godet, S. 51
 Godwin, H. J. 147
 Goetz, J. A. 98
 Goldberg, E. A. 50, 105, 106, 178

- Goldberg, K. 81, 171
 Goldstein, L. 244
 Goldstine, H. H. 240, 245
 Goode, H. H. 175, 250, 251
 Goodwin, E. T. 35, 36, 39, 65, 67, 69, 165, 167
 Goodwyn, H. 136-139
 Gordon, A. R. 67, 69
 Gossett, W. S. 75, 86
 Gotlieb, C. G. 161, 186
 Gram, J. P. 142
 Grammel, R. 155
 Grant, E. L. 150
 Gray, A. 151, 152
 Gray, H. J. 190
 Gray, T. S. 178
 Green, C. P. 162
 Green, E. 47
 Greenfield, A. 245
 Greenwood, R. E. 82
 Gregory, O. 139
 Gridley, D. H. 98, 174, 242
 Grieves, H. C. 96
 Grosser, C. E. 51
 Grubbs, F. E. 73, 150
 Gruenberger, F. 110
 Gruschwitz, E. 227
 Guillemin, E. A. 182
 Gupta, H. 71
- Hagen, G. E. 172
 Hald, A. 74, 145
 Hall, A. C. 172
 Hamming, R. W. 40, 186
 Handy, B. F., Jr. 170
 Hanna, R. B. 170
 Hansen, M. V. 44
 Haros, C. 136, 137
 Harrington, J. V. 174
 Hartley, H. O. 75, 145, 146, 160
 Hartree, D. R. 169, 179, 183
 Harvard Univ. Comp. Lab. 223
 Hasse, H. 134
 Hastings, C., Jr. 186
 Haupt, L. M. 102
 Hayashi, K. 189, 224
 Haynes, A. L. 171
 Heilfron, C. 19
 Heiss, J. F. 51
 Heller, I. 244
 Heney, J. 98
 Hensel, R. 186
 Herrick, S. 47, 66, 190
 Hershey, A. V. 172
- Hessel, J. F. C. 140
 Hessenberg, K. 14
 Hestenes, M. R. 250
 Higgins, T. J. 83
 Higgs, R. E. 99
 Hill, J. L. 95
 Hodgman, C. D. 189
 Hollander, F. H. 186
 Holley, J. L. 244
 Hollingdale, S. H. 97
 Holt, A. W. 99
 Holt-Smith, C. 240
 Holtappel, H. W. 190
 Hoppenot, S. 134
 Hopper, G. M. 172
 Horton, C. W. 24
 Horton, H. B. 8
 Hotelling, H. 120, 248
 Houseman, E. E. 81, 143, 190
 Howell, J. M. 147
 Hrones, J. A. 51
 Huntoon, R. D. 44
 Hurd, C. C. 95, 171, 186
 Hurwicz, L. 244
 Hurwitz, A. 53
 Huskey, H. D. 46, 47, 99, 173
 Hyman, M. A. 45
- Iams, H. 178
 Ingham, J. 179
 Inkeri, K. 133
 Inman, J. 259
- Jackson, J. 65, 66
 Jackson, R. 179
 Jacobi, K. G. J. 139
 Jarden, D. 72
 Jedeur-Palmgren, G. 48
 Jindra, F. 155
 Joffe, S. A. 113
 John, F. 258
 Johnson, C. T. 27
 Johnson, E. A. 240
 Jones, G. 163
 Jordan, W. B. 183
 Jørgensen, N. R. 228
 Jourdain, P. E. B. 140
- Kantorovich, L. V. 24
 Kaplan, E. L. 78
 Kaplansky, I. 15
 Karlqvist, O. 34
 Kármán, T. v. 227
 Kates, J. 99

- Katz, L. 19, 146, 148
 Käyan, C. F. 51
 Kelley, T. S. 190
 Kelly, J. P. 186
 Kendall, M. G. 19, 109, 110
 Kennedy, E. C. 186
 Kenyon, R. R. 27
 Kerawala, S. M. 13
 Kincaid, M. 170
 King, G. W., Jr. 172
 Kirkpatrick, P. H. 47
 Kitts, W. A., 3rd 186
 Kjellberg, G. 34, 97
 Knapton, J. H. 41
 Knudsen, L. F. 143
 Koch, J. J. 14
 Kohler, T. R. 99
 König, H. 133
 Koopmans, T. C. 244
 Kopal, Z. 82
 Korn, G. A. 178
 Kossack, C. F. 19, 144
 Kraft, H. 186
 Kraitchik, M. 72, 82, 134
 Kreyszig, E. 156, 184
 Krishnaswami, A. A. 28
 Kropoff, N. 232
 Krüger, L. 258
 Krupp, H. 224
 Kruse, U. E. 225
 Kutta, M. W. 169

 Laderman, J. 112, 190
 Lagerman, S. 48
 Landen, J. 78
 Landry, F. 134
 Langmuir, D. B. 52
 Lapicque, L. 97
 Lapin, E. 47
 Laplace, P. S. 15
 Laporte, O. 225
 Laughton, J. K. 259
 Laurent, T. 48
 Lawden, D. 240
 Lawrence, W. 240
 Lazecki, S. 174
 Lebell, D. 173
 Lee, A. 75
 Legendre, A. M. 27
 Lehmer, D. H. 5, 8, 12, 15, 28, 44, 47, 54,
 70-72, 82, 84, 109, 134, 138, 139, 153,
 154, 160, 173, 186, 190, 216, 226, 232
 Leibler, R. A. 55
 Leiner, A. L. 44, 236

 Leitner, A. 79
 Leontief, W. W. 244
 Lessing, L. P. 242
 Levens, A. S. 102
 Levin, J. H. 41, 172
 Levine, H. 23
 Levy, I. 98
 Levy, L. I. 249
 Lewy, H. 85
 Liebmann, G. 179
 Lienard, R. A. 28, 82, 231
 Lillie, J. H. 162
 Lind, B. 34
 Lindberger, A. 34
 Link, R. F. 147
 Linvill, W. K. 172
 Liouville, J. 71
 Lipka, J. 102
 Littauer, S. B. 74
 Little, E. P. 47
 Lüsternik, L. A. 25, 27
 Lodge, A. 151, 152
 Lommel, E. C. J. 154
 Long, M. E. 26
 Lord, E. 147, 148
 Lorente, R. 98
 Lotkin, M. 133, 172, 186
 Lowan, A. N. 25, 158, 159, 190
 Lowell, S. C. 96
 Luke, Y. L. 153, 162, 163, 232
 Lundt, E. 186
 Lynch, J. K. 70

 McAllister, H. 84, 186
 McAvory, A. 254
 McCallum, D. M. 242
 McCann, G. D. 52, 253
 McCool, W. A. 103, 175, 250, 252
 McCormack, R. L. 99
 McCulloch, W. 98
 McDougall, J. 160
 McEwan, W. S. 179
 McFee, R. 103
 McGeoghegan, M. E. 45
 McKay, A. T. 73, 74
 McLachlan, D., Jr. 107
 Macmillan, D. B. 90, 254
 McNally, J. O. 98
 MacNeal, R. H. 253
 MacNee, A. B. 108, 174
 McPherson, J. L. 172, 245
 MacRobert, T. M. 151, 152
 Madow, W. G. 96
 Magnus, W. 83

- Makar, R. 49
 Malmberg, G. 48
 Mann, H. B. 150
 Mantel, N. 142
 Many, A. 180
 Marden, E. C. 172
 Mark, A. M. 110
 Markusen, D. L. 175, 250, 251
 Marshall, B. O., Jr. 104
 Marshall, R. W. 180
 Massey, F. J. 75
 Mathews, G. B. 151, 152
 Mauchly, J. W. 8
 Maxfield, J. E. 248
 May, J., Jr. 136
 Mayberry, J. P. 244
 Meiboom, S. 180
 Meissel, E. D. F. 223
 Meissinger, H. 176, 250, 252
 Meissner, W. 26, 84
 Melahn, W. S. 175, 250, 251
 Mendelson, M. J. 172
 Mengel, A. S. 172, 175, 250
 Merrill, L. C. 175, 250
 Mersman, W. A. 173, 175, 250
 Merwin, R. 190
 Metropolis, N. 226
 Meyer zur Capellen, W. 102
 Meyers, L. F. 218
 Mickelsen, J. K. 52
 Miksa, F. L. 232
 Miles, A. J. 182
 Miles, J. G. 174
 Miller, A. H. 176, 250, 252
 Miller, J. C. P. 26, 45, 77, 166, 187, 189, 221
 Miller, J. J. 82
 Miller, K. S. 106, 180, 253
 Miller, W. L. 67, 69
 Milne, W. E. 66, 67
 Milne-Thomson, L. M. 157
 Mises, R. v. 14, 240
 Mitchell, H. F. 172
 Molina, E. C. 146
 Montalbano, M. 95, 169, 242
 Moore Sch. of El. Eng. 41, 43
 Moore, A. D. 253
 Moore, B. L. 170
 Moore, E. F. 172
 Morrill, C. D. 174
 Morrison, R. 255
 Morse, P. M. 159
 Morton, P. L. 61, 86, 173, 189
 Moses, L. 47
 Motzkin, T. S. 244, 258
 Münch, G. 23
 Munford, C. M. 160
 Munk, M. 158
 Murray, F. J. 49-52, 102-104, 106-108, 177, 178, 180, 249, 251, 253-255
 Murray, J. E. 99, 100, 102
 Myard, F. E. 100, 102
 Nair, K. R. 73, 74
 NBSCl 22, 70, 151, 158, 159
 Nelson, W. F. C. 146, 147
 Neovius, G. 34
 Nergaard, L. S. 98
 Neuber, R. E. 178
 Neumann, J. v. 1, 8, 44, 240
 Neville, E. H. 135, 137-139
 Newman, M. H. A. 45
 Newton, I. 183
 New Zealand Dept. Lands & Survey 26
 Neyman, J. 47, 147, 148, 173
 Nichols, N. B. 176
 Nims, P. T. 171
 Niven, I. 139
 Norton, H. W. 72, 142
 Numerov, B. V. 65, 66
 Oberhettinger, F. 79, 83
 O'Brien, M. P. 173
 O'Brien, N. 21
 Oldfield, B. G. 254
 Olver, F. W. J. 39
 Opler, A. 120, 186
 Oppolzer, T. R. v. 66
 Orden, A. 244, 245
 Packer, L. R. 228
 Page, H. T. 107
 Page, R. M. 138
 Pal, B. 153
 Palm, C. 29, 34, 48
 Papian, W. N. 174
 Paschkis, V. 179, 183
 Patnaik, P. B. 148
 Patterson, G. W. 43, 128, 172
 Pearson, E. S. 73-75, 146, 160
 Pearson, K. 75, 86, 146
 Peel, R. V. 245
 Pendery, D. W. 254
 Perry, C. L. 45
 Persson, B. 139
 Peters, J. 21, 137, 162, 190, 191, 230
 Peters, S. 217
 Peterson, L. C. 177
 Petersson, P. 34

- Petherick, E. J. 97
 Pflanz, E. 16
 Phillips, M. L. 21
 Pian, T. H. H. 249
 Picone, M. 97
 Piore, E. R. 174
 Pipes, L. A. 173
 Piza, P. 15
 Pohlhausen, K. 227
 Polachek, H. 45, 186
 Pollak, L. W. 19–21, 149
 Polya, G. 71
 Pomerene, J. H. 99
 Poritsky, H. 254
 Powers, R. E. 28
 Prandtl, L. 11, 226, 227
 Price, A. T. 159
 Puig-Adam, P. 98
- Rabinow, J. 45
 Radon, B. 79
 Rafferty, J. A. 8
 Rainsford, H. F. 112
 Rajchman, J. 98
 Ramanujan, S. 138
 Ramsey, N. F. 225
 Rand, J. H. 245
 Raphson, J. 183
 Rapport, V. A. 171
 Rawling, G. A. 158
 Raymond, F. H. 104
 Reynolds, D. W. 162
 Redheffer, R. 106
 Rees, M. 44, 98
 Rehler, K. M. 172, 174
 Reich, E. 240
 Reid, R. R. 107
 Reitan, D. K. 83
 Reitwiesner, G. W. 84, 186
 Reitz, J. R. 226
 Reiz, A. 83
 Renwick, W. 44
 Reswick, J. B. 51
 Reuschle, K. G. 139
 Reynolds, G. E. 180
 Reynolds, R. R. 227
 Rhodes, I. R. 40, 171
 Rhodes, P. 160
 Rich, E. S. 98
 Richards, J. R. 172
 Richardson, L. F. 179
 Richmond, W. F., Jr. 176, 250, 253
 Ridenour, L. N. 46
 Riebman, L. 174
- Riemann, G. F. B. 71
 Riordan, J. 13, 15
 Robbins, R. C. 240
 Robertson, W. H. 230
 Robinson, G. 258
 Robinson, R. M. 85, 162, 191
 Rogers, T. A. 173
 Roscoe, R. 182
 Rosenhead, L. 187, 189
 Rosser, J. B. 67, 69, 84
 Runge, C. 133
 Ruzek, C. V. 186
- Sage, B. H. 242
 Salvosa, L. R. 146, 147
 Salzer, H. E. 11, 16, 27, 69, 70, 80, 82–84,
 140, 141, 162, 167, 213, 215, 218, 219
 Salzer, J. M. 172
 Samuel, A. L. 98
 Samuelson, P. A. 244
 Sang, E. 137
 Sarahan, B. L. 242
 Sard, A. 218
 Sargant, R. J. 179
 Saunders, W. K. 226
 Savage, D. 45
 Sawyer, C. 245
 Schade, H. A. 173
 Scheffer, H. 140
 Schell, E. D. 45, 244
 Schiffer, M. M. 45
 Schilling, R. 172
 Schilt, J. 186
 Schomaker, V. 186
 Schott, F. W. 173
 Schreiner, B. 96
 Schrock, E. M. 149
 Schwarz, L. 189
 Schwinger, J. 23
 Scott, A. H. 106
 Seeger, R. J. 45
 Seidel, L. 238–240, 255, 258
 Seiler, F. S. 46
 Seiwel, H. R. 106
 Sekar, C. C. 73, 74
 Sells, B. E. 254
 Semon, W. L. 228, 230
 Shapin, T. Jr. 172
 Shaw, R. F. 171
 Shaw, R. R. 45
 Sherman, J. 81, 143, 186, 255
 Sherman, S. 250, 252
 Shibagaki, W. 80
 Shimizu, H. 107

- Siegel, R. 15
 Silver, S. 226
 Simpson, T. W. 182
 Skolnik, S. 179
 Slinkman, R. W. 99
 Slutz, R. J. 44
 Smith, C. V. L. 45
 Smith, J. B. 242
 Smith, R. C. T. 231
 Smith, R. W., Jr. 112
 Snowden, F. C. 107
 Soroka, W. W. 173, 255
 Southwell, R. V. 14, 258
 Speiser, A. P. 243
 Spence, H. W. 98, 243
 Spence, R. D. 26, 79
 Spencer, G. R. 174
 Spencer, R. C. 180
 Speziali, P. 139, 160
 Sprague, R. E. 172
 Staderman, P. 175, 249
 Stanley, J. P. 25, 160
 Stark, R. H. 90, 172, 254
 Steen, J. R. 98
 Stein, J. 162
 Stein, P. 239, 240
 Stevens, L. D. 41
 Stone, J. J. 172
 Stoner, E. C. 160
 Stromback, Du R. E. 107
 Stumman, H. E. 99
 Sukhatme, P. V. 142
 Sylvester, J. J. 137
 Szegö, G. 167
- Tai, C. T. 186, 222
 Taussky-Todd, O. 14, 134, 239, 258
 Teague, D. S., Jr. 175, 250, 251
 Thijsen, W. P. 140
 Thomas, L. H. 45
 Thomas, P. D. 27
 Tibbetts, G. C. 55
 Tikhotskii, K. I. 52
 Tippett, L. H. C. 74
 Titchmarsh, E. C. 69
 Todd, J. 39, 45, 167, 189, 244
 Tokarska, B. 147, 148
 Tompkins, C. B. 245
 Tootill, G. C. 240
 Torrès-Quevedo, G. 98
 Torrey, H. C. 225
 Travis, I. 45
 Treuenfels, C. G. 152
- Truesdell, C. 160
 Tucker, A. W. 244
 Turing, A. M. 70
- Ufford, D. 163, 232
 Uhler, H. S. 84
 U. S. Hydrographic Office. 230
 Uttley, A. M. 97, 102
- van den Dungen, F. H. 97
 van der Pol, B. 139, 160
 van der Reyden, D. 143
 Vandrey, F. 11, 226
 Van Dyk, T. 98
 Van Orstrand, C. E. 27, 191
 van Wijngaarden, A. 12, 22, 97, 160
 Velander, E. 48
 Verzuh, F. M. 186
 Vickers, T. 166
 Vinogradov, I. M. 151
 Vogel, E. 175, 250, 252
 Vořilla, G. B. 40
 Votaw, D. F., Jr. 8, 244
- Wagstaff, J. B. 179
 Wald, A. 150
 Wallace, M. W. 98
 Wallman, H. 108
 Wallmark, M. 34
 Walsh, J. E. 8, 142, 145
 Walter, W. G. 97
 Walther, A. 156
 Wang, A. 43
 Warren, K. 186
 Watson, G. N. 22, 23, 25, 69, 151, 189
 Watson, J. C. 66
 Waugh, F. V. 248
 Weber, M. A. 155, 225
 Weinberg, J. W. 143
 Wells, C. P. 26
 Westenberg, J. 21, 22
 Western, O. 12
 Wheatley, W. A. 175, 250, 251
 Whittaker, E. T. 69, 258
 Widell, G. A. 48
 Wielandt, H. 14
 Wijdenes, P. 191
 Wilkes, M. V. 25, 44, 45, 97, 160, 171
 Wilkins, J. E., Jr. 232
 Williams, C. A., Jr. 150
 Williams, F. C. 46, 102
 Williams, O. A., Jr. 153
 Williamson, B. 110

Wilson, L. H. 182
Wilson, L. M. 83
Wilts, C. H. 52
Wolf, E. 226
Wong, Y. K. 244
Woo, W. D. 43
Wood, M. K. 244
Woodall, H. J. 160, 231
Woodbury, M. A. 244, 255
Wrench, J. W. 25
Wright, H. 99
Wulfsberg, K. N. 174

Yamamoto, K. 13
Yates, F. 17-19, 70, 141-143
Youtz, P. 98
Yowell, E. C. 43, 173, 212

Zadeh, L. A. 178
Zahn, C. T. 225
Zeilon, N. 48
Zucker, R. 82, 83, 167
Zuckerman, H. S. 49
Zurmühl, R. 13, 255, 258
Zuse, K. 45