

Name Index

- Abell, G., 102
Abelson, P., 278
Adams, J., 419
Ader, C., 477
Adrian, E., 250
Albategnius, 98
Aldrin, E., 483
Alexander VI (pope), 2, 4
Alhazen, 361
Alington, C., 414
Alpher, R., 119
Altmann, R., 223, 225
Ambartsumian, V., 96, 105–107, 110, 112, 129
Anaxagoras, 211
Anfinsen, C., 191
Antipater, 529
Appert, M., 226
Arago, F., 339
Aristarchus, 1
Aristotle, 10, 15, 388
Armitage, A., 9
Armstrong, N. 483
Arp, H., 57, 102, 114, 135
Arrhenius, S., 211, 212
Avery, O., 153, 154, 188
- Baade, W., 59, 103, 105, 106, 125
Babbage C., 358, 394, 399–401, 406–407, 413, 465
Babinet, J., 339
Bailey, S., 46
Balmer, J., 318
Balzer, S., 476
Basov, N., 511
Bateson, W., 173, 178, 180
Bawden, F., 216
Bayes, T., 421
Bayliss, L., 149
Beadle, G., 153, 154, 189
Beavan, E., 450
Beijerinck, M., 146, 216
Beilstein, F., 235
Bernal, J., 227
Bernoulli, J., 420–422, 424
Berthelot, P., 147
Berzelius, J., 146, 147, 149
Bessel, F., 26, 34–36
Bethe, H., 534
Betz, M., 52
Bjerknes, W., 342
Blunt, Lady, 402
Bohlin, K., 47
- Bohr, N., 270, 273, 274, 286, 320, 326
Bolivar, S., 208
Boltzmann, L., 312–314, 317, 436–438, 440, 442, 443
Bolyai, F., 364–366, 368
Bolyai, J., 357, 364–368, 373, 376, 390
Bondi, H., 91, 107, 118
Boole, G., 394, 397, 398, 406–407, 412, 413
Born, M., 320
Boveri, T., 174
Bowden, Lord, 407
Bowditch, H., 425
Bowen, E., 346, 347
Boyle, R., 334
Bradley, D., 345
Brahe, T., 18, 95–98, 209
Brecht, B., 258
Brier, G., 345, 347
Brown, R., 440
Brown, W., 238
Bruno, G., 17, 18, 209, 390
Buchner, E., 147–149
Buffon, G., 143, 168
Burbidge, E., 96, 107, 110
Burbidge, G., 96, 107, 110, 112
Byron, Lord, 358, 401, 402
- Cajal. *See* Ramón y Cajal, S.
Cajori, F., 407
Calley, J., 532
Calvin, J., 208
Calvin, M., 409
Cantor, G., 357, 358, 378–380, 383, 385, 386, 388, 389
Carnot, L., 167
Carnot, N., 433
Carpenter, T., 344
Cavendish, H., 471
Cayley, G., 468, 470, 471, 473, 476
Chadwick, J., 275
Chambers, R., 168
Chanute, O., 475
Chargaff, E., 189
Charles I, 305
Charles, J., 481
Charlier, C., 391
Chase, M., 188
Choppin, G., 283
Clapeyron, B., 433
Clausius, R., 312, 433, 434
Cockcroft, J., 275
Cohen, P., 389

- Cohn, F., 211
Collins, M., 483
Congreve, W., 483
Cooke, J. P., Jr., 267
Cooper, T., 226
Copernicus, N., ix, x, 1–22, 63, 64, 83, 172,
180, 207–209, 225, 298, 337, 390, 391, 403,
404, 406, 419, 424, 465, 484, 485, 487,
495, 524, 526
Coriolis, G., 332, 339–341
Correns, C., 180
Corson, D., 180, 270
Coryell, C., 270
Crick, F., 154, 155, 188, 191, 194, 258
Cunningham, B., 279
Curtis, H., 53–56, 69, 71, 74, 78
Curtiss, G., 479
- Daedalus, 469
Daimler, G., 476
Dale, H., 248
d'Alembert, J., 339
Dalton, J., 311, 435
da Navara, D., 2
Darby, A., 531
d'Arlandes, Marquis, 481
Darwin, C., 141, 167, 168, 170–173, 177–182,
184–186, 258, 425
Darwin, E., 168
da Vinci, L., 143, 470
Davis, M., 398
Davisson, C., 321
Dawson, G., 352
Dayhoff, M., 195
DeBroglie, L., 320, 321
de Chancourtois, A., 267
de Méré, Chevalier, 420
Democritus, 359
De Moivre, A., 420, 422, 423
de Sitter, W., 84, 85
De Vries, H., 180
Dicke, R., 119
Dickens, C., 167
Dickson, J., 426
Dirac, P., 320
Döbereiner, J., 267
Donne, J., 414
Doppler, C., 79
Druin, V., 285
Dunningham, G., 366
- Eccles, J., 248
- Eddin, N., 361
Eddington, Sir A., 86, 266
Ehrenfest, P., 438, 439, 443
Ehrenfest, T., 438, 439, 443
Einstein, A., 16, 84–86, 117, 258, 297, 305,
309, 313, 317, 321, 376, 419, 424, 440, 441,
443, 465, 506, 509, 510, 524
Eliot, T., 93, 405
Enger, I., 348
Eskola, K., 285
Eskola, P., 285
Euclid, 359–362, 364, 365, 373, 375, 390, 419
Eudoxus, 359
Euler, L., 407
- Felten, J., 114
Fermat, P., 420
Fermi, E., 275, 533
Fernandez-Partagas, J., 344
Ferrel, W., 340
Fisher, R., 349, 445, 451–453, 455, 462
Flerov, G., 285, 286
Fourier, J., 424
Fowler, W., 127
Fox, S., 219, 226
Fraenkel, A., 389
Franck, J., 317, 318
Friedmann, A., 84, 117
Fruton, J., 212
- Gagarin, Y., 482
Galileo, I, 9, 17, 209, 258, 305, 339, 391,
419, 433
Galton, D., 427
Galton, F., 178–180, 425–429
Galvani, L., 460, 461
Gamow, G., 85, 119
Ganerian, J., 482
Gärtner, K., 173, 177
Gauss, C., 364–366, 376, 420, 422
Gaze, R., 408
Geminus, 361
Geoffroy Saint-Hilaire, E., 168, 169, 171
Germer, L., 321
Ghiorso, A., 283–286
Gibbs, J., 312, 433
Gibbs, O., 267
Gibbs-Smith, C., 467
Giese, T., 7
Giffard, H., 482
Gini, C., 460, 461
Glaisher, J., 395

- Glendenin, L., 270
Goddard, R., 483
Gödel, K., 357, 358, 378, 379, 388–390, 398,
402, 406, 407
Goethe, J. von, 468
Gold, T., 91, 107, 118
Golding, W., 403
Golgi, C., 244, 245, 256
Goss, J., 176
Gosset, W., 449, 450, 455–457
Gouy, L., 443
Graunt, J., 421
Greiner, W., 289
Gresham, T., 5

Haacke, W., 177
Haggerty, J., 470
Hahn, O., 275, 276, 286
Haldane, J., 212–214, 220, 222, 226
Hale, G., 54
Hall, A., 450
Halley, E., 421
Hamilton, W., 433
Harris, J., 285
Harvey, B., 283
Haxel, O., 288
Heisenberg, W., 320, 325, 326
Helmholtz, H. von, 340, 341
Henderson, P., 34
Henry VIII, 421
Henschen, F., 151
Henson, W., 476
Herman, R., 119
Herschel, Sir J., 36, 47, 428
Herschel, Sir W., 27–31, 34, 35, 38, 47
Hershey, A., 188
Hertwig, O., 174
Hertz, H., 317, 318, 341, 342
Hertzsprung, E., 40, 44
Hilbert, D., 357, 388–390, 398
Hipparchus, 97
Hodgkin, A., 248
Holle, R., 344
Hooke, R., 221
Hoyle, F., 91, 107, 118, 121, 124, 127, 129,
131, 138
Hubble, E., 55, 63–94, 103, 117, 118, 122,
131
Hubel, D., 408
Humason, M., 63, 85, 86, 88, 89, 117, 122,
131
Hunter, J., 143

Hutton, J., 166
Huxley, A., 412
Huxley, T., 210, 248
Huygens, C., 509

Icarus, 469
Iwanowski, D., 146, 216

Jacobi, K., 433
Jansky, K., 59
Javan, A., 511
Jeans, Sir J., 86, 129
Jencks, C., 426
Jensen, A., 459
Jensen, J., 288
Johannsen, W., 182
Johnson, S., 414
Joule, J., 433, 443
Jung, C., 410

Kant, I., 27, 166, 360, 364, 376
Kapteyn, J., 31–34, 38, 39, 52–54, 58, 64
Katz, B., 248
Kellermann, K., 124
Kelvin, Lord, 210, 211, 433
Kendrew, J., 154
Kennedy, J., 278, 279
Kepler, J., 1, 9, 17, 18, 180, 209, 258, 328,
339, 391, 419, 424, 426
Khorana, H., 191
Klein, F., 374
Klein, M., 436, 442
Klüver, H., 237
Knight, T., 176
Kolmogorov, A., 423
Kuffler, S., 248
Kunitz, M., 214, 215
Kurchatov, I., 286
Kurlbaum, F., 317

Lagrange, J., 338
Lamarck, J., 168, 169, 171, 172
Lambert, J., 362
Landon, A., 461
Langley, S., 476, 478, 479
Laplace, P., 166, 334, 339, 340, 420, 422, 424
Larsh, A., 284
Latimer, R., 284
Lavoisier, A., 335
Lawrence, E., 275
Leavitt, H., 39–41, 44, 54, 77
Leeuwenhoek, A. van, 143, 145, 221

- Legendre, A., 422
Leibniz, G., 407
Lemaître, G., 84, 99, 102, 107, 117
Lenoir, J., 476
Leonidas, 403
Lethbridge, M., 345
Leverrier, U., 335, 419
Lias, E., 335
Liebig, J. von, 147, 149
Light, R., 458
Lilienthal, O., 474, 475, 477
Lindblad, B., 56
Linnaeus, C., 168
Löb, W., 242
Lobachevski, N., 357, 364, 366–368, 373, 376, 390
Loevy, O., 248
Lomonosov, M., 335
Lorentz, H., 297, 298
Loschmidt, J., 147, 312, 437
Louis XVI, 481
Lovelace, Countess of, 358, 401, 412
Lovelace, Earl of, 401
Lovell, A., 102
Lucretius, 222
Lundmark, K., 69, 71
Lussac, G., 339
Luther, M., 9, 16, 208, 209
Lyell, C., 167
Lynds, C., 96, 110, 114
- McCarty, M., 154
McCrea, W., 107
Mach, E., 434, 435
MacKenzie, K., 270
MacLeod, C., 154
McMillan, E., 276, 278
Maiman, T., 511
Malthus, T., 170
Manly, C., 476
Marinsky, J., 270
Mariotte, E., 334
Matijasevič, Y., 398, 399
Maury, M., 340, 354
Maxim, H., 476
Maxwell, J., 297, 312, 433, 436, 437, 443, 524
Mayall, N., 63, 114, 312
Mayer, M., 288
Mayer, R., 433
Meitner, L., 275
Melanchthon, P., 9, 10
- Mendel, G., 16, 141, 151, 152, 170, 173–182, 184, 185, 187
Mendeleev, D., 146, 267–269, 272, 273, 284, 295
Menshutkin, N., 267
Mercer, W., 450
Meselson, M., 189
Messier, C., 64
Meyer, L., 267
Michelson, A., 298, 300, 434
Miescher, F., 188
Miller, S., 213, 214
Millikan, R., 85
Minkowski, H., 297–299
Minkowski, R., 103, 106, 125
Minnet, H., 59
Mitchell, J., 27
Mithobius, B., 9
Monge, G., 339
Montgolfier, E., 481
Montgolfier, J., 481
Montgomery, E., 450
Morgan, T., 152, 154
Morley, E., 298, 300
Morrison, P., 127
Moseley, H., 270
Mosteller, F., 458
Mozart, W., 411
- Nagel, E., 389
Nägeli, K., 173, 175
Napier, J., 395, 396
Narlikar, J., 129, 138
Naudin, C., 173, 177
Navier, L., 339, 340
Newcomen, T., 532
Newlands, J., 267
Newman, J., 389
Newton, I., 1, 16, 171, 209, 258, 297, 339, 391, 411, 419, 424, 433, 498, 524
Neyman, J., 421, 460, 461
Nicholas the Elder, 2
Nightingale, F., 427–429
Nilsson, S., 288
Nirenberg, M., 191
Northrop, J., 214, 215
Nurmia, M., 285
- Oberbeck, A., 340
Ochoa, S., 191
Odencrantz, F., 351
Oganesyan, Y., 285

- Omar Khayyam, 361
Oort, J., 56, 102, 106, 107
Oparin, A., 212–214, 219, 220, 226, 228, 230, 231, 409
Oresme, N., 5
Ostwald, W., 434, 435
Otto, L., 476

Parson, C., 479
Pascal, B., 334, 399, 420
Pasteur, L., 145, 148, 149, 210, 225, 258
Pauton, A., 470
Paul III (pope), 17
Pauli, W., 320, 322
Pearson, E., 421
Pearson, K., 179, 426, 429
Peel, R., 166
Penaud, A., 474
Penzias, A., 120
Perey, M., 270
Perrier, C., 270
Perrin, J., 440
Perutz, M., 154
Pickering, E., 38
Piddington, J., 59
Pilatre de Rosier, J., 481
Pirie, N., 216
Planck, M., 311, 317, 437, 465, 509, 524
Playfair, J., 361
Pliny, 11, 97
Poincaré, J., 297, 298, 311
Poisson, S., 339, 340
Posidonius, 361
Pound, R., 306, 308
Prendergast, K., 96, 110
Proclus, 359, 361
Procrustes, 266
Prokhorov, A., 511
Ptolemy, C., 1, 10, 11, 15, 361
Pythagoras, 328, 359

Quetelet, L., 424, 428

Ramón y Cajal, S., 244, 245, 247, 248, 254
Rebka, G., 306, 308
Rheticus, G., 7, 9, 11, 12, 14
Richardson, L., 342–344
Riemann, B., 375, 376
Ritz, W., 317
Roosevelt, F., 461, 465
Rosen, E., 6, 7
Roux, W., 174
Rubens, H., 317

Russell, B., 397
Russell, H., 44, 213
Rutherford, Lord E., 266, 270, 275, 286, 315, 316
Rybka, E., 6, 21
Rydberg, J., 317
Ryle, M., 122, 124

Saccheri, G., 361, 362, 371
Sandage, A., 88, 92, 96, 110
Sanger, F., 154, 155, 191
Schawlow, A., 511, 514
Schleiden, M., 145, 221
Schlesinger, F., 36
Schlesinger, M., 216
Schmidt, M., 130
Schrödinger, E., 320–322
Schwann, T., 145, 221
Seaborg, G., 533
Segrè, E., 270, 275, 279
Seton, A., 176
Shakespeare, W., 394
Shanley, C., 102
Shapley, H., 26–62, 64, 69, 71, 73, 74, 77, 83
Shaw, G., 411
Sherrington, C., 253
Siedentopf, H., 443
Sikkeland, T., 284
Silver, L., 534
Simocatta, T., 5
Slipher, V., 63, 82
Smoluchowski, M., 440–442
Sommerfeld, A., 320
Sorokin, P., 511
Spallanzani, L., 210
Spencer, H., 167, 168
Stahl, F., 189
Stanley, W., 150, 151, 214, 215–217
Stever, H., 470
Stokes, G., 437
Strassburger, T., 174
Strassmann, F., 275, 276
Stratton, F., 450
Stringfellow, J., 476
Strutt, J., 436
Struve, F., 34
Student. *See* Gosset
Suess, H., 288
Sullivan, W., 237
Sumner, J., 149–151
Szabo, J., 366
Szilard, L., 533

- Tait, P., 436
Tatum, E., 153, 154, 189
Teller, E., 230
Tennyson, Lord Alfred, 167, 468
Thales, 359
Theaetetus, 359
Thompson, S., 283
Thomson, Sir J., 270
Thomson, W., 167 (*See also* Lord Kelvin)
Tiselius, A., 151
Tolman, R., 86
Townes, C., 511, 514
Trumpler, R., 58, 71
Tschermak, E., 180
Tull, J., 446
Turing, A., 401–403, 407–409

Ubell, E., 237
Urey, H., 213, 214, 229–232, 235–238

van Maanen, A., 55, 71–74
van Rhijn, P., 31, 53, 54
Verlot, B., 177
Vespasian, 530
Vilmorin, 177
Vodka (Abstemius), 2
von Neumann, J., 389, 401
von Seeliger, H., 32
von Weizsäcker, C., 128
Vorontsov-Velyaminov, B., 102, 111

Wahl, A., 278, 279
Wald, A., 421
Walton, E., 275, 284
Walton, J., 284
Watson, J., 154, 155, 188, 258
Watt, J., 532
Watzenrode, L., 2, 4, 5
Wedgwood, J., 166
Weismann, A., 174
Wentworth, Lady, 402
Werner, J., 6
Werner, L., 279
Whitehead, A., 396
Wichura, M., 173
Wiesel, T., 408
Wildt, R., 213
Wilkes, M., 413
Wilkins, M., 188
Willstätter, R., 149, 150
Wilson, R., 120
Winokur, H. S., Jr., 458

Wirtanen, C., 102
Wöhler, F., 146, 228
Wood, T., 450
Woodbury, M., 345
Wright, M., 467, 474
Wright, O., 465, 467–469, 471, 473–481
Wright, T., 27
Wright, W., 465, 467–469, 471, 473–481

Young, A., 445–447, 449, 456, 458

Zeppelin, F. von, 482
Zermelo, E., 389, 437, 438
Zwický, F., 98, 102