

Index

The abbreviation EFAs is used for Essential Fatty Acids.

A

- AA (arachidonic acid), health effects of, 183, 220–222, 223, 298
- Abbe, Winfield J., on Warburg's research, 152–153, 421
- ACE inhibitors, 76–77
- ADD/ADHD children, EFAs benefits, 187–188
- adenocarcinoma, 15
- adenosine triphosphate, 402, 419, 420, 421ⁿ³
- Ageless Body, Timeless Mind* (Chopra), 200
- Aisenberg, Alan C.
The Glycolysis and Respiration of Tumors, 495–501
on Warburg's cancer research, 495–501, 504
- ALA. *See* alpha-linolenic acid (ALA)
- Aleve, side effects, 28
- Allen, Carol, on Essiac herbal formula, 318
- almond oil, 193, 356
- almonds, omega-6 requirement and, 194, 194ⁿ³⁸
- alpha-linolenic acid (ALA), xii, 79–85, 167–168, 195, 217, 222–223, 330, 416
- alternative medicine, 18, 161–162, 162ⁿ⁴
- Altman, Lawrence K., peer-review process, 54
- Alzheimer's disease
EFAs benefits, 187
research, 25–27, 30
- American Cancer Society (ACS)
breast cancer rates, 329
budget, 23
cancer contraction rates, 89, 408
cancer deaths, 39
cervical cancer contraction rates, 530
child bearing and cancer risk, 335
colon cancer, fiber linked to, 67
lung cancer and, 339–344, 348
- American College of Obstetricians and Gynecologist (ACOG), child bearing and cancer risk and, 335
- American Medical Association, heart attacks-cholesterol link and, 73
- amyloids, linked to Alzheimer's disease, 25–27, 30
- anaerobiosis, of cancer cells, 145, 433, 434, 442ⁿ¹⁰, 443, 445ⁿ¹¹, 451
- Anand, Geeta, 29
- Anderson, Agneta, on EFA ratios, 219
- Anderson, Matthew, on effectiveness of mammography, 71
- Andrea, Roncarati, on EFA anti-inflammatory response, 298, 300, 327, 328
- anemia, as risk factor in cancer, 388, 388ⁿ⁴
- Angell, Marcia, on cancer therapies, xxiv
- angiogenesis, 21
- animal experiments. *See* mice experiments
- animal feed, antibiotic and growth hormone additives, 316
- animal-based protein
for cancer prevention, 231–233, 242, 357–359, 391–392, 436

The Hidden Story of Cancer

- animal-based protein (*continued*)
 - as source of iron, 388
 - as source of vitamins, 438
- anoxia, defined, 130
- anti-inflammatories, from EFAs, 179, 185–186, 298–300, 334
- antiangiogenesis drugs, 40
- anticancer vaccine, xxxix–xl, 18–19
- “antineoplastons,” 114
- antioxidants, 199–200
- anxiety, EFAs effect on, 178
- appetite, EFAs control food cravings, 179
- arachidonic acid (AA), health effects of, 183, 220–222, 223, 298
- Armstrong, Lance, endurance athlete and cancer experience, 208, 208n53
- arthritis, EFAs benefits, 179, 185–186
- artificial sweeteners, 313–314, 392
- Ashmead, H. DeWayne, *The Roles of Amino Acid Chelates in Animal Nutrition*, 252–253
- aspartame, 313–314
- atherosclerosis, 79–80, 524–525
- Atkins, Robert, diet plan, 254, 261, 267, 484
- autism
 - epidemic, 188–189
 - fish oil supplements and, 188
- Avastin, 10–11
- B**
- B vitamins, 232, 252
- B-Estradiol, 297n43
- Bacci, G., lactic acid and tumors, 212
- Banting, William, 261
- Barber, H.R., on uterine cancer prevention, 336
- Barclay, Laurie, on hormone replacement therapy (HRT), 73
- Basic Medical Biochemistry: A Clinical Approach*, 239, 243, 302, 322, 323
- beauty, benefits from EFAs, 179, 184
- Becker, Michael, on cause of cancer, 509
- Begley, Sharon
 - on cancer detection, 61–63
 - on gene myth, 91–92, 532
- Berger, Eric
 - on breast cancer and hypothyroidism, 131–133
 - on cancer-genetics link, 106, 107
- Bertell, Rosalie, on mammography, 68, 69
- Beyond the Zone: Peak Performance, Radiant Health* (Peskin), 253
- Billings, Josh, on wisdom, 85
- biochemical methodology, 145–146
- biochemistry
 - cancer research and, 75–76, 429, 449
 - of humans, 115–116
 - processes inside and outside the body, 488, 498
 - See also lactic acid
- Biochemistry* (Voet and Voet), 323
- Biochemistry of Exercise and Training* (Maughan, Gleeson, Greenhaff), 205, 302, 323
- Bissell, Mina, on cancer cell research, 108
- Blaylock, Russell, on aspartame linked to cancer, 314–315
- Blobel, Günter, on research delays, 463
- blood clotting
 - “blood-thinning” and, 273
 - cancer metastases and, 271–272, 412–414
 - EFA deficiency and, 295
 - insulin and, 272
- blood flow speed
 - cancer metastasis and, 243, 271–272
 - for cancer prevention, 260, 389–390

Index

- blood flow speed (*continued*)
 - clogged arteries and, 277–279
 - EFA's effect on, 535, 536
 - pulse softening with EFAs, 535
 - self-test for, 274
- blood glucose levels, 85, 116
- blood pH acidity, cancer and, 133–134
- blood plasma calcium, 116
- blood pressure
 - EFA's lowering effect, 273
 - medicine for, 76–77
 - reduction with protein-rich diet, 238
- Body Fluids and Electrolytes*, 253
- Body-by-Science Program, xxiii
- borage oil, 185, 192, 355
- Borek, Carmia, on radiation-induced cancer, 351, 351ⁿ²³, 380
- brain damage, fish oil supplements and, 83
- brain health, EFAs benefits, 179, 187–188
- Braverman, Albert S., on chemotherapy drugs, 8–9
- brazil nut oil, 193, 356
- breast cancer
 - causes of, 127, 329–330
 - cholesterol-lowering drugs linked to, 292
 - diagnosis
 - breast self-examination (BSE), 69
 - clinical breast examination (CBE), 69
 - ductal carcinoma-in-situ (DCIS), 69, 70, 72
 - mammograms, 68–72
 - precancerous changes in the breast, 527
 - “Stage O” cancer, 70
 - genetic link, 36, 127
 - hypothyroidism linked to, 131–133
 - incidence of, 329, 332ⁿ⁶
 - increase in, 5
 - inflammatory breast cancer (IBC), 331–334
 - as leading cause of death in women, xxxi, 329
 - prevention
 - exercise and, 226
 - fruit and vegetable diet and, 66, 247–248
 - low-fat diet effect on, 511–513
 - recurrence, 15
 - treatment
 - Avastin, 11
 - patient's perspective on, 11
 - radiation, 70–71
 - Tamoxifen, 132–133
- breast implants, cancer risk and, 446, 446ⁿ¹²
- Brinkley, William, on cancer-genetics research, 106, 107
- Brizel, David, on head and neck cancer, effect of tumor oxygenation, 118, 384–385
- Brody, Jane E., on diverticulosis, 74
- Brusch, Charles, on Essiac herbal formula, 318–319
- Bunting, A., on fatty acids, 223
- Burk, Dean
 - glycolysis experiment, 486–490
 - Morris-hepatomas experiment (cancer/fermentation connection), 442–443
 - research on cancer cells, 75–76, 418, 433
 - translator of Warburg's works, xliii–xliv, 401, 428
 - on Warburg's research, 139, 142, 151–152, 439, 483, 490–495
- Burns, C. Patrick, on fatty acids and leukemia, 224–225
- Burr, G.O. and M.O., on EFA deficiency, 165, 218
- Burzynski, Stanislaw
 - “antineoplastons” cancer therapy, 114–115
 - web site, 115

The Hidden Story of Cancer

- C
- C-reactive protein (CRP), 82–83
- Caisse, Rene, Essiac herbal formula, 317–319, 359
- calcium channel blockers, 76–77
- calcium supplements, 252
- Calder, Philip C., on omega-3 fatty acids, 81–82
- Calling of An Angel* (Glum), 320
- calorie theory, 232, 233–236, 267–268
- Calories Don't Count* (Taller), 234–235, 261
- CAM (complementary and alternative medicine), 18, 161–162, 162*n*4
- Cambridge International Institute of Medical Sciences xi
mission statement, xxi
web site, xxi
- Cameron, Bill, patient's experience with esophageal cancer, 15
- Cameron, Dr., oxygen deficiency and cancer cells, 119, 120, 405
- Campbell, I.M., EFA deficiency and cystic fibrosis, 283–285
- Cancer: Disease of Civilization?* (Stefansson), 232
- cancer
- deaths
 - in Japan, 169, 169*n*7
 - leading cause of, xxxi, 169, 169*n*7
 - in U.S., 17
 - defined, 111–112
 - human physiology and, 115–116
 - incidence of
 - among Inuits (Eskimos), 232
 - childhood cancer, 5, 250
 - increase in, by type of cancer, 5
 - projections, 408
 - in U.S., xxxi–xxxii, 3–5, 17
 - in U.S., early 1900s, 89, 408
 - underreported, 6–7
 - worldwide, 408
 - recurrence of, 14–15
 - remission, and EFA supplementation, 359–360
 - survival rates, xxxii, 13–14
 - See also specific types of cancer*
- cancer, causes of
- “associated factors,” 31
 - blood pH acidity and, 133–135
 - child bearing and cancer risk, 335–336
 - Dobbins research on, 505–507
 - from skin cells, 226–227
 - genetics linked to, xxv, 14, 21, 23–24, 89–109, 386–387, 427
 - parasites linked to rat tumors, 140
 - primary cause, xvii, 39–42, 65, 107, 111–136, 383, 385, 392–393, 401, 440
 - “risk factors,” 30, 31
 - secondary causes, xxx, 23–24, 112, 129–130, 427–428
 - stem cell research and, 509–510
 - viruses and, 386–387, 395–398, 427, 429, 450–451, 529–531
 - Warburg's warnings about, 153–154, 381–382, 396, 427, 429, 430, 453
 - xray radiation and, xxviii, 349–352, 422–423
 - See also carcinogens; transfats*
- cancer cells
- anaerobiosis of, 145, 433, 434, 442*n*10, 443, 445*n*11, 451
 - benign vs. cancerous tumors, 123–126
 - dedifferentiation of, 419–421, 424, 447
 - development of, “sleeping cancer cells,” 424–425
 - development of, speed of, 112–113, 418
 - energy from fermentation of sugars, 385, 393, 394, 395, 401–402, 417–418
 - features of, 111
 - glucose as “food” for, 259–260

Index

- cancer cells (*continued*)
 - glycolysis and, 227–229, 433, 450, 486–490, 490–495
 - irreversible process of, 114, 389, 394, 403, 417
 - metabolism of, 112–113, 122–123, 202–203, 210, 394
 - oxygen deficiency experiment, 119, 120, 405
 - reproduction of, 111
 - structure and energy of, 419–423
- Cancer Decisions Newsletter*, 12, 17, 59
- cancer diagnosis
 - anemia as risk factor for, 388
 - detection in 1900, 39
 - early detection and, xxxii, 61–63
 - mammograms and, 68–72
- cancer drugs
 - marketing practices scandal, 29
 - rising costs of, xxiv
- “cancer genes,” 36, 89–90
- Cancer Genome Atlas, 531–532
- cancer metabolism. *See* metabolism of tumors
- cancer prevention
 - calorie reduction diet and, 172
 - carcinogens and, 435–438
 - or cure, xxvii–xlii
 - EFA, experiment inhibiting cancer growth, 173–178, 377, 425
 - EFA, medical research on, 373–382
 - Essiac herbal formula, 317–319
 - exercise and, 129, 407
 - fruit and vegetable diet, 63–68
 - glycolytic pathway research and, 514–519
 - government’s responsibility for, 458
 - keeping the tumor benign, 126–129
 - mammograms, 68–72
 - The Plan: Five Simple Anticancer Steps, 113, 127, 197, 353–369
 - as primary focus of research, 39–42
 - protein requirement, 239–240
 - for radiation-induced cancer, xxviii, 349–352
 - respiratory enzymes/minerals and, 451–452
 - Warburg’s warnings about, 153–154, 381–382, 396, 429, 453
 - See also* diet and nutrition
- Cancer Prevention Coalition (CPC), 23, 313
- web site, 23n19
- cancer research
 - approaches to, 21
 - biochemistry and, 75–76, 429
 - budgets for, 21, 23
 - since World War II, 22–23
 - Warburg’s warnings about, 153–154, 381–382, 396, 429, 453
 - See also* medical research
- cancer treatment
 - “antineoplastons,” 114–115
 - chemotherapy, 8–9, 22–23, 114
 - complementary and alternative medicine, 18
 - conventional methods, 113–114
 - failures of, 7–8
 - hyperbaric oxygen therapy, 201–202, 201nn44, 45, 225–226, 506
 - lipids effect on, 285–286
 - non-surgical, 114–115
 - oxygenation therapy, 502–504
 - radiation therapy, 23, 70–71, 71n19, 114, 360–361, 422
 - surgery and, 113–114
 - survival gap, 13–14
 - therapies, 9–11
- canola oil, 192, 193, 197, 355
- carbohydrates
 - cholesterol structure defects, 281
 - “complex” (starch) or “good,” 261
 - cravings decrease with EFA supplements, 180–182, 233, 272, 533
 - daily requirement, 267
 - defined, 261

The Hidden Story of Cancer

- carbohydrates (*continued*)
 - diet as an "eating experiment," 127, 393, 434
 - for fat burning, 266–267
 - as "food" for cancer cells, 259–260, 385
 - fruits as, 248
 - glycemic index and, 262–266
 - kidney failure and, 232
 - for metabolism boost, 266–267
 - obesity linked to consumption
 - of, xxxiii, 235, 260–261, 266, 269–270, 322–324
 - "simple" (sugar) or "bad," 261
- carcinogens
 - in animal feed, 316
 - aspartame studies, 313–315
 - avoidance of, 392
 - cancer prevention and, 435–438
 - cell respiration and, 432
 - food additives, 313–319
 - herbal detoxifiers, 317–321, 359
 - in our environment, 316–317
 - as secondary cause of cancer, 395–396
- carcinoma
 - defined, 226
 - See also* cancer
- Carnot, Said, thermodynamics research, 151
- Carter, Marissa
 - on cholesterol esters, 281
 - fat metabolism studies, complications of, 283, 287n36
- cashew oil, 193, 356
- Caton, R.B., EFA deficiency and cystic fibrosis, 283–285
- Cat's Claw (*Uncaria tomentosa*), 320, 359
- cause-effect relationships, 50, 57, 141, 342, 374
- Cavallino, Stephen
 - heart attacks and normal cholesterol levels, 274
 - lactic acid test experiments, 180–182, 208, 209, 210, 213–215
- Celebrex, side effects, 28
- cell division, hereditary genetics and, 90–91
- cell membrane
 - defined, 161
 - lack of oxygen transfer and, 407–408
- cell oxygenation. *See* oxygenation of cells
- cell respiration, 164, 385–386, 388–389
 - oxygen deficiency/impairment of, 401–406, 449–450
 - respiratory enzyme discoveries, 433
- cells
 - mitochondria, 229
 - See also* cancer cells
- cellulite, EFA deficiency and, 335
- Centers for Disease Control and Prevention, 340–341, 342
- cervical cancer
 - contraction rates, 530
 - Gardasil vaccine, 398
 - human papillomavirus (HPV) and, 396–398, 529–531
 - pap test for, 62
 - tumor oxygenation and, 118, 384
- chemotherapy
 - "adjuvant" (after surgery), 12
 - for cancer treatment, 8–9, 22–23, 114
 - costs of, 23
 - defined, 22
 - for inflammatory breast cancer, 331
 - for lung cancer, 12–13
 - side-effects from, 16
- childhood cancers, 5, 250
- cholesterol esters, 279, 280–281, 523–524
- cholesterol levels
 - clogged arteries and, 119, 277–279, 412
 - EFAs for lowering, 293–295
 - fibrates (cholesterol-lowering drugs), 291–292, 316–317

Index

- heart attacks and, 72–73, 274–276
- LDL (Low Density Lipoprotein), 119, 164, 164ⁿ⁵, 288–289
- parent omega-6 (linoleic acid) and, 278–279
- statins (cholesterol-lowering drugs) and, 274–276, 278, 289–293
- cholesterol structure defects, 281–282
- Chopra, Deepak
 - Ageless Body, Timeless Mind*, 200
 - on antioxidants, 200
- cisplatin, 16
- CLA (conjugated linoleic acid), 167, 195, 356, 415
- Clark, Michael, on cause of cancer, 509
- clofibrate, 316–317
- coconut oil, animal experiments with, 285
- Cohen, Stanley, 56
- Collins, Francis, on Human Genome Mapping Project, 103, 480
- colon cancer
 - Avastin treatment, 11
 - cholesterol-lowering drugs linked to, 292
 - eating meat as risk for, 236
 - EFAs effect on, 376–377
 - fiber as cancer-causing, 67–68
 - gene-disease link, 93
 - linked to diabetes mellitus, 390ⁿ⁵
- Colpo, Anthony, on LDL cholesterol, 289–290
- complementary and alternative medicine (CAM), 18, 161–162, 162ⁿ⁴
- conditional probability, 38ⁿ³⁰
- conjugated linoleic acid (CLA), 167, 195, 356, 415
- copper, 252, 357, 385
- corn oil, 192, 355
- cortisone, 349
- cottonseed oil, xxix, 338, 374
- Coumadin, 273
- Cox proportional hazards model, 118, 384
- Crawford, M.A., on EFA ratios, 219–220, 223
- Crick, Francis, on scientific discoveries, xii, 86–87
- Crowe, Sheryl, breast cancer survivor, 226
- Crozier, D.N., EFA deficiency and cystic fibrosis, 283–285
- cure, prevention or, xxxvii–xlii
- cystic fibrosis, EFA deficiency and, 283–285
- D
- dairy/eggs/cheese, as source of EFAs, 160, 196
- Daniel, Kaayla T., on soy health food myth, 305
- DCIS. *See* ductal carcinoma-in-situ (DCIS)
- death rates
 - breast cancer as leading cause of cancer deaths, 329
 - cancer as number one cause of death, xxxi
 - infant mortality, 38
- Demetri, Dr., 14
- derivative EFAs. *See* EFA derivatives
- detoxifiers. *See* herbal detoxifiers
- DHA (docosahexaenoic acid), 167, 195, 356, 380, 415
- diabetes
 - benefits of EFAs, 178, 184–185
 - children’s, diet recommendations, xiii–xiv
 - epidemic, 184
 - epidemics in India and Thailand, 52, 52ⁿ⁵
 - fish oil supplements and, 84–85
 - kidney failure and, 232
 - linked to cancers, 390, 390ⁿ⁵
- Dicato, Mario, on anemia in cancer, 388ⁿ⁴

The Hidden Story of Cancer

- diet and nutrition
 - calorie theory and, 233–234
 - carbohydrate diet as “eating experiment,” 127, 393, 434
 - in developing countries, 242
 - dietary fat inhibits lipogenesis, 268–269
 - fat-free diets, 377
 - fiber in, xii, 45, 236–237, 247, 266
 - group consensus recommendations, 45
 - of Inuits (Eskimos), 232–233
 - low-carbohydrate, high-protein diets, 233, 254, 261, 267, 425
 - low-fat diet, 296, 511–513
 - low-fat, low-protein, high-carbohydrate diet, 259
 - low-meat diets, 247
 - macrobiotic diet, 244
 - National 5 A Day for Better Health Program, 64
 - reduced calorie diet, 172
 - traditional diets, 242
 - vegetarian diets, 161–162, 238–239, 240, 244
 - weight loss and, 533
- disease
 - genetic-based cures myth, 91–101
 - hereditary transfer of, 90–91
 - prime cause of, xxx, 440
- diuretics, 76–77
- diverticulosis, 74
- DNA sequencing, 100–101, 105
- Dobbins, John P., on causes of cancer, 505–507
- docosahexaenoic acid (DHA), 167, 195, 356, 380, 415
- Dr. Atkins’ Diet Revolution* (Atkins), 261
- drug therapy
 - for blood pressure, 76–77
 - lack of effectiveness of, 28
 - questions to ask in each case, 29
 - side effects of, 28
- Druml, W., lactic acid and leukemia, 213
- ductal carcinoma-in-situ (DCIS), 69, 70, 72
- E
- Earle, Wilton, glycolysis experiment, 486–490
- EFA deficiency, 164–166, 217–219
 - cholesterol structure defects and, 281–282
 - cystic fibrosis and, 284
 - experimental studies results, 282–288
 - farming techniques and, 169–171, 251, 251n14, 409–410
 - food processing and, 166, 169–172, 251, 255, 256, 409–410, 410–412, 414
 - from inadequate food supply, 165–166
 - pregnancy and, 334–335
 - proof of, 166
 - in the skin, 336–338
- EFA derivatives, 161, 167–168, 415
 - dietary fats and cancer, 375
 - from fish oils, 167
 - from seed oils, 167
 - supplementation and, 168
- EFA ratios. *See* omega-6/omega-3 ratios
- EFA supplements, 166–168
 - anti-inflammatory protection, 299–300
 - for cancer patients, 359–360
 - cancer prevention, medical research on, 373–382
 - carbohydrate cravings decrease with, 180–182, 233, 272
 - case study, 533–537
 - dosage, 354
 - EFA derivatives and, 168
 - effectiveness of, 216
 - Five Simple Anticancer Steps (The Plan), 113, 127, 197, 353–369
 - increasing EFAs quickly, 197
 - labeling of, 167, 195

Index

- meal plan (seven-day), 362–368
- overdosing, 197–198, 464
- for pets (dogs and cats), 540
- topical application of oils, 218
- EFAs (essential fatty acids)
 - anticancer properties of, 378–379
 - cancer or disease prevention and, xxvi, 373–382
 - experiment inhibiting cancer growth, 173–178, 377
 - experimental studies results, 282–288
 - foods containing, 160–161
 - health benefits of, 178–188
 - meaning of “essential,” 168
 - organic or unprocessed, 172
 - as “oxygen magnets,” 162–163, 217–219, 432
 - proportions of parent omega-6 to omega-3, 192–193, 355–356
 - sources of, 168–169
 - See also* parent EFAs
- eicosanoids, 299
- eicosapentaenoic acid (EPA), 167, 183, 195, 222, 356, 380, 415
- eicosatrienoic acid, 379
- Einstein, Albert, 138, 150, 448, 459–460, 464
- electromagnetism, theory of, 35
- Ellison, Shane, on Tamoxifen, 132
- Elrick, Harold, on exercise, 301
- endocrine system, EFAs benefits, 178, 186–187
- energy and endurance
 - EFAs for improving levels of, 178, 179, 188, 535–536
 - lack of linked to mineral deficiency, 252
- Enig, Mary, on transfat consumption, 257
- EPA (eicosapentaenoic acid), 167, 183, 195, 222, 356, 380, 415
- epidemiology, 57
- epigenetic, 482, 482n1
- Epstein, Lewis, on the “right words,” 275
- Epstein, Samuel S.
 - cancer, incidence and death rates, xxxii, 4
 - cancer research budgets, 23
 - on environmental toxins, 313
 - on mammography, 68, 69
 - professional profile of, 4–5
- Erbix, 10
- erectile dysfunction, EFAs benefits, 186
- erythrocytes (red blood cells), 130–131
- esophageal cancer
 - mineral supplements and, 451–452
 - patient’s perspective on, 15–16
 - Plummer-Vinson syndrome, 126, 451
- essential fatty acid. *See* EFA
- Essential Fatty Acid and Human Nutrition & Health International Conference (2002), xxvi, 380
- Essentials of Biochemistry*, 323
- Essiac herbal formula, 317–319, 320
- The Essiac Report: The True Story of a Canadian Herbal Cancer Remedy...* (Thomas), 320
- Estriol, 297
- estrogen, 296–297, 311, 317
- Estrone, 297
- evening primrose oil, 185, 192, 197, 355
- Everhardy, W.H., translator of Warburg’s works, xliii, 401
- evidence-based medicine movement, 47
- exercise
 - blood sugar levels and, 302
 - breast cancer and, 226
 - cancer prevention and, 129, 407
 - daily requirement, 303
 - EFAs effect on, 535
 - lactic acid “burn” and, 202–204
 - lactic acid tests, 50–51, 180–182, 202–210

The Hidden Story of Cancer

- exercise (*continued*)
 overtraining and immunosuppression, 302–303
 for oxygen in the blood, 163
 role of, 300–304
The Exercise Myth (Solomon), 301
exogenous carcinogens. See carcinogens
Exploding the Gene Myth (Hubbard and Wald), 91, 97–99, 469–474
- F
- Fang, Ferric, on benefits of nitrate, 78
- farming methods, EFA deficiency and, 169–171, 251, 251n14, 409–410, 437n7
- Feynman, Richard, xii, xli, xlii, 30
 on “experts,” 54, 460
 on physics research, 21
 on pseudoscience, 242
 on real-life results, 25, 43, 65
 on reality over public relations, 52, 303
 on reporting research results, 41, 46, 381
- fiber
 colon cancer and, 67–68
 in the diet, xii, 45, 236–237, 247, 266
- Fibiger, Johannes, Nobel Prize research, 140
- fibrates, 291–292, 316–317
- Fick, Adolph
 on calorie theory, 233–234, 267–268
 carbohydrate-obesity connection, 269–270
- Fink, Joan, patient’s perspective on breast cancer, 11
- Finsen, Niels, sunlight therapy, 338
- fish and seafood
 cancer prevention and, 169
 farm-raised fish and omega-3, 196
 with parent EFAs, 160, 169
 wild fish fillet and omega 6/3 ratios, 196
- fish oil
 bleeding gums and, 534
 omega-3 derivatives and, 196, 197, 416, 519–520
 supplements, xii, 49, 78–85, 196, 533–537
- Fisher, Professor, 144
- Five Simple Anticancer Steps (The Plan), 113, 127, 197, 353–369
- Flanigan, C.C., oxygen deficiency and cancer, 121, 441
- flax seed oil, omega-3 derivatives and, 192, 194, 195, 355, 416, 520
- Fleming, Alexander, 33
- Flint, on glycemic index, 264
- folic acid deficiency, 247
- food additives, cancer-causing, 313–319, 392
- Food and Drug Administration (FDA)
 aspartame, adverse reactions to, 315
 Avastin, approval for, 10
 gene therapy experiments suspended, 101
 GRAS (Generally Recognized As Safe) status of foods, 312
 medical and health claim statements regulations, xxviii
- food processing
 cancer epidemic and, 409–410
 EFA deficiency and, 166, 169–172, 251, 255, 256, 409–410, 410–412, 414
- foods to eat
 animal-based protein, 231–233
 fruits and vegetables, 246–251
 minerals, 251–254
 protein requirements and, 239–244
 See also dairy/eggs/cheese; fish and seafood; fruits and vegetables; meat; vegetarian diets
- free radicals, 198, 199–200, 297

Index

- frequently asked questions (FAQs), 457–464
- fructose, toxicity of, 249
- fruits and vegetables, 49, 63–68
- broccoli, 249
 - cancer prevention and, 246, 247
 - with EFAs, 160, 248–249
 - fructose toxicity, 249
 - fruit juice, 249–251
 - protein requirement and, 240–241
 - romaine lettuce, 249
 - salads, value of, 247
 - spinach, 249
 - See also* vegetarian diets
- Fu, Z., on linoleic acid, 219
- G
- Galileo, 40–41
- gamma-linolenic acid (GLA), 167, 185, 195, 356, 376, 377–378, 415
- Gao, Jian-Xin, on precancerous stem cells (pCSCs), 528
- Gardasil vaccine controversy, 398
- gastritis, bacterial cause of, 32
- gene therapy, 100, 101
- genetic inheritance laws, 101–103
- genetic mutations, cancer cause myth and, 89–90, 106, 165, 429, 465–482, 481–482
- genetic theory, 36, 106
- genetics
- cancer linked to, xxv, 14, 21, 23–24, 89–109, 386–387, 484–485
 - genetic-based cures or solution myth, 91–101, 396, 426–427, 465–482
 - hereditary, 90–91
 - of humans, number of genes, 115, 115n1
 - politics of research, 156
- Genius (Gleick), 21
- genome mapping. *See* Human Genome Mapping Project
- Gilani, G., on protein digestibility, 241
- Gilles, R.J., glycolysis and respiration in cancer cells, 486
- GLA (gamma-linolenic acid), 167, 185, 195, 356, 376, 377–378, 415
- Glantz, Stanton A., on medical research errors, xvi, 58
- Gleick, James, *Genius*, 21
- Glum, Gary L., *Calling of an Angel*, 320
- glycemic index (GI), 262–266, 262n7
- glycolysis
- aerobic, 497
 - anaerobic, 497
 - cancer cells and, 227–229, 433, 450, 486–490
 - defined, 122
 - EFA supplementation and, 464
 - See also* lactic acid tests
- The Glycolysis and Respiration of Tumors* (Aisenberg), 495–501
- glycolytic pathway research, 514–519
- glycosylation, 260, 389–390
- Goethe, Johann Wolfgang von, 381
- Gofman, John, on radiation treatment, 71n19
- Goldblatt, Dr., oxygen deficiency and cancer cells, 119, 120, 405
- Goldstein, Mark R., on cholesterol-lowering drugs, 292
- Goodman, Brenda, cancer and insulin connection, 259
- Goodwin, Pamela, on cancer and insulin connection, 259
- Gottesman, Irving, on gene-disease link, 92
- Gould, Stephen Jay, on Richard Lewontin, 99
- Grady, Denise, on Gardasil vaccine, 398
- grains and cereal, with EFAs, 160
- Grant, William, on health effects of sunlight, 337
- grapeseed oil, 192, 355
- GRAS (Generally Recognized As Safe) status, 312

The Hidden Story of Cancer

- gravity, law of, 41
Green, Brian, on mass and energy connection, xvi
Green, Saul, *Oxygenation Therapy: Unproven Treatments for Cancer and AIDS* (Green), 502–504
Grunfeld, Eva, 18
Guyatt, Dr., 47
- H
- Habib, Amid
on EFAs as “oxygen sponges,” 126
photo of, xiv
professional profile of, xiii–xiv
on science in medicine, 29
- Haluska, Frank G., on cancer prevention, xxxix
- Hammarsten, E., on Otto Warburg’s research, 139, 142, 498
- Haney, Daniel G., cancer cure failing, 7, 20–21
Harper’s Illustrated Biochemistry, 280, 281, 324
- Harris, Henry, on fallacy of oncogene theory, 461–462, 485
- hazelnut oil, 193, 356
- head and neck cancer, tumor oxygenation and, 118, 384–385
Health and Survival in the 21st Century (Horn), 271
- hearing, EFAs effect on, 535
- heart attacks
cholesterol and, 72–73
EFA deficiency as risk factor for, 183, 220–222, 294
- heart cancer, rarity of, 133
Heart Disease: A Textbook of Cardiovascular Medicine, 49
- heart disease
atherosclerosis and lipid peroxidation reactions, 79–80, 524–525
clogged arteries, 119, 277–279
EFAs and heart health, 179, 183–184, 294
invention of EKG and, 276
low incidence of (1920), 276
vitamin E supplements and, 198–199
- hemoglobin
functions of, 74–75, 231, 389, 391–392
high concentrations for cancer prevention, 436
- hemp oil, 192, 192n36, 193, 355
- Henderson, Craig, on cancer cure, 8
- herbal detoxifiers
cat’s claw, 320, 359
Essiac formula, 317–319
hoxey formula, 321
for pets (dogs and cats), 534
- Herceptin, 11
- high protein diets, 233
- high-oleic (nonessential omega-9) oils, 194, 197
- Hirsch, J.M., on effects of fruit juice, 250
- Hirschhorn, Dr., on gene-disease link, 92
- Holick, Michael F., on healthfulness of sunlight, 337
- hormone replacement therapy (HRT), 46, 47, 73–74, 297, 311, 513–514
- hormones, EFAs benefits, 178, 179, 186–187
- Horn, Ross, *Health and Survival in the 21st Century*, 271
- Houston Academy of Medicine–Texas Medical Center (HAM-TMC) library, xv, xx, 39, 117
- Howard, Barbara, on protein-rich diet, 238
- Hoxey, Harry, 321
- hoxey (herbal formula), 321
- Hubbard, Ruth, *Exploding the Gene Myth*, 91, 97–99, 104, 469–474, 480
- Hulley, Stephen B., on cholesterol-lowering drugs warnings, 291
- Human Genome Mapping Project, 24, 93, 94, 96, 100, 467–468

Index

- Cancer Genome Atlas, 531–532
completion of, 103–105, 480–481
Human Nutrition: Clinical Nutrition, 278
human papillomavirus (HPV),
cervical cancer and, 396–398,
529–531
*Humic, Fulvic and Microbial
Balance: Organic Soil Conditioning*
(Jackson), 251, 437n7
Hunter, Jehu, translator of
Warburg's works, xliii, 401
hydrogenated oils. *See* transfats
hydrogenation, 166, 255
hyperbaric oxygen therapy, 201–
202, 201nn44, 45, 225–226, 506
hypothyroidism, breast cancer
link, 131–133
hypoxia
carcinoma and, 159
defined, 130
- I
immune system
cancer development and, 112–
113
soy as trypsin inhibitor, 324–325
India, diabetes epidemic, 52
infant mortality, 38
inflammation. *See* anti-inflamma-
tories
inflammatory breast cancer (IBC),
331–334
in African American women,
332–333
incidence of, 332n6
web site, 333
insulin
blood clotting and, 272
cancer connection, 259–260
carbohydrates and, 262
*Investigations from the Metabolism
of Tumors* (Warburg), 112–113,
481–482
Ioannidis, John, on medical re-
search errors, 59
iron, 231–232, 236–237, 252, 357,
385, 387–388, 391–392, 433
*It Ain't Necessarily So: The Dream of
the Human Genome...* (Lewontin),
99–101, 474–480
- J
Jackson, William R., *Humic, Fulvic
and Microbial Balance: Organic Soil
Conditioning*, 251, 437n7
Jaffe, Elaine, on early cancer detec-
tion, 62
Japan, cancer rate, 169, 520
Jenner, Edward, 33, 55
Jennings, Peter, death from lung
cancer, 339
Jones, Julie Miller, on glycemic
index, 262–264
- K
Kaplan-Meier-life table, 118, 384
Karolinska Institute (Sweden), fat
absorption study results, 282–
283, 287–288
Khachaturian, Zaven, on Alzheim-
er's research, 26–27
kidney cancer, 5
kidney failure, 232
Kramer, Barnett, on early cancer
detection, 62
Krebs, Hans Adolf
on calorie theory, 268
Nobel Prize research, 143
*Otto Warburg: Cell Physiolo-
gist, Biochemist, and Eccentric*,
137–138
on Warburg and his research,
147, 148, 154–155, 488
Kushi, Aveline, death from cancer,
244
- L
LA (linoleic acid), 217, 376, 416
lactic acid
cancer linked to increased,
210–213

The Hidden Story of Cancer

- lactic acid (*continued*)
cancer metabolism and, 133–134, 202–204
EFAs effect on production of, 430–431
- lactic acid “burn,” 202–204
- lactic acid tests, 50–51
Cavallino experiments, 180–182, 208, 209, 210, 213–215
proper performance of, 209ⁿ⁵⁴
self-tests, 204–210
- Lamb, Arthur B., 76
- Lander, Eric, on gene-related research, 96–97, 468–469
- Lands, William E., on fatty acids, 223–224
- law (in science), 36
- Lee, B.J., on inflammatory breast cancer, 334
- leukemia, 130–131
animal experiments, 285
aspartame linked to, 313
fatty acid composition and, 224
lactic acid buildup linked to, 213
retroviruses as cause of, 387
- leukocytes (white blood cells), 130
- leukotrienes, 299
- Levine, Robert E., hyperbaric oxygen therapy, 201ⁿ⁴⁴, 506
- Lewontin, Richard
on genetic link to cancer, 426–427, 480–481
on human genome mapping, 99–101, 104, 105
It Ain't Necessarily So: The Dream of the Human Genome..., 99–101, 474–480
- Libby, Peter
on heart attacks-cholesterol link, 73
on positive research studies, 49
- life expectancy
reduced calorie diet and, 172
in U.S., 37–38
- Life-Systems Engineering Science, xxxiv–xxxv
- Lineweaver, Hans
enzyme research, 76
translator of Warburg's works, xliii
- linoleic acid (LA), 167–168, 195, 217, 223, 278–279, 376, 411, 416
See also alpha-linolenic acid (ALA); gamma-linolenic acid (GLA); parent omega-3 (alpha-linolenic acid)
- lipid peroxidation (LPO) reactions, 521–526
- lipids (fats and oils), 217
- Lipitor, 291
- lipogenesis, 268
- lipoprotein. *See under* cholesterol levels
- liver, damage from excess fructose, 249
- liver cancer, increase in, 5
- Livingston, Virginia, “cancer” virus research, 505–506
- Lowry, Colin, on DNA sequencing, 94, 104, 467–468, 480
- Lu, H, on the Warburg effect in carcinogenesis, 211–212
- Ludwig, David, on high-sugar drinks, 250
- lung cancer
chemotherapy, 12–13
contraction rates, 340–342, 345
increase in, 5
non-small cell lung cancer (NSCLC), 12
prevention, 348
radioactive plutonium and, 346, 346–347ⁿ²⁰
smoking linked to, 338–348
smoking as a secondary cause of, 341
statistical analysis, 343, 343ⁿ¹⁷
- Lupron, 29
- lymphoma
aspartame linked to, 313–314
defined, 313ⁿ⁶⁰

Index

- M
- Macphail, David, 533
- macrobiotics, 244
- magnesium, 252, 357, 385
- The Maker's Diet* (Rubin), 232–233
- Malmgren, R.A., oxygen deficiency and cancer, 121, 441
- mammography, effectiveness of, 68–72
- manganese, 252, 357, 385
- manic depression gene, 99–100
- Marcus, Amy Dockser, on cancer recurrence, 14*n*13
- margarine, 166, 256, 257–258, 374, 375, 411
- Marshall, Barry, on stomach ulcers and bacterial infection, 32
- maspin, 377–378
- Mathews, Anna Wilde, on ghostwriters in medical journals, 55
- Maughan, Ron, 205*n*51, 302, 323
- McGrady, Pat, Sr., on Warburg's cancer research, 504
- McKeehan, Wallace, on cancer-genetics link, 106
- meat (beef/chicken)
- free-range versus corn-fed chicken, 165–166, 196
 - from the supermarket, 170
 - grain-fed versus grass-fed cattle, 165, 171, 196, 236*n*4
 - livestock and genetically modified corn feed, 170
 - low meat diets and deficiencies, 247
 - with parent EFAs, 160, 169
 - See also* animal-based protein
- medical devices, as cancer risk, 446
- medical journals
- ghostwriters of articles, 55
 - peer-review system, 54–55
 - rejection of new ideas, 56
- medical research
- accountability, 56–57, 141
 - cause-effect statements, 50, 57
 - controlled experiments, 60
 - coordination lacking, 34–35
 - evidence-based medicine movement, 47
 - “experts” or “authorities” and, xxvii, 54, 460
 - group consensus recommendations and, 44–47
 - independent analysis, 54
 - international dissemination of, 52–53
 - meta-studies, 48, 49, 307
 - negative results, 49–51
 - Nobel Prize criteria for, 463–464
 - peer-review system, xxxv, 54–55
 - positive results, 48–49
 - rejection of, xl–xli, 463
 - reporting errors, 59–60
 - reproducible results, 51
 - reversals of recommendations unpublicized, 47–48
 - slowness of results in, 462–463
 - sources for this study, xv–xvi
 - See also* cancer research; statistical analysis
- Meier, Paul, on getting it right, 44
- Meisenberg, Gerhard, 203*n*50
- Mendelsohn, John, on cancer-genetics link, 106, 107
- mental clarity, EFAs effect on, 536
- meta-studies, 48, 49, 307
- metabolism
- carbohydrates effect on, 266–267
 - fat metabolism studies, complications of, 283, 287*n*36
- metabolism of tumors, 112–113, 122–123, 202–203, 210, 394
- quantitative measurements, 491–492
- Warburg's table, reviewed by Burk, 490–491
- Metabolism of Tumors in the Body* (Warburg), 202–203, 516
- metastases
- blood clotting and, 271–272, 412–414
 - blood flow speed and, 243, 271–272

The Hidden Story of Cancer

- metastases (*continued*)
 lactic acid buildup and, 211
 tumor oxygenation and, 159
Meyerhof, Otto Fritz, Nobel Prize research, 143, 215, 229
mice experiments
 EFA deficiency and cancer
 growth, 173–178, 331, 377, 394
 on effects of EFA, 50–51
 embryonic cells and cancer, 443–444
 tumors and tetanus spores, 121, 441
Michaels, L., on blood clots and cancer metastases, 271
Miklos, George Gabor, on genome projects, 532
mineral supplements
 cell respiration and, 139, 385–386, 433
 as coenzymes, 251, 386, 437–438
 “colloidal” or vegetable-based minerals, 253, 438
 forms of minerals, 252–253
 metabolism in the body, 232
 mineral deficiencies in the body and, 251–254
 for pets (dogs and cats), 540
 phytates in vegetables and, 236–237, 438
 recommended daily allowances (RDA), 357
 for throat and esophageal cancer prevention, 451–452
 “truly chelated,” 252, 357, 437–438
 See also calcium; iron; niacin
Miners, Scott E., on Essiac herbal formula, 318
Minkel, J.R., on benefits of nitrates, 78
mitochondria
 EFA deficiency animal experiments, 286–287
 EFA requirements, 229
Moldover, Jonathan, on cardiovascular fitness, 301–302
Molecular Biology of the Cell, 278
Moncada, S., on fatty acids, 223
Moss, Lenny, on gene-disease link, 92–93, 465–466
Moss, Ralph
 The Cancer Industry, 504–505
 on cancer treatment failures, 17–18
 on chemotherapy, 12
 on oncologist burn out, 17–18
 on Warburg’s cancer research, 504–505
 web site, 12, 17
The Moss Reports, 12
Mullis, Kary, 56
Munro, Daniel G., 261
Munro, William C., 261

N
Nabel, Elizabeth, on low-fat diets and breast cancer, 512
Naik, Gautam, on global cancer rates rising, 53
National Cancer Institute (NCI)
 breast implants and cancer risk, 446n12
 budget, 23
 cancer statistics, xxxii, 6–7, 13
 child bearing and cancer risk, 335
 EFAs and cancer cells, 150
 fruits and vegetables for cancer prevention, 246
 lung cancer, early detection of, 339–340
 lung cancer and smoking, xlii
 rejection of Warburg’s research, 146
National Center for Health Statistics, cancer statistics, 39, 89, 408
National Heart, Lung and Blood Institute, 77
National Institutes of Health, 77
National Lung Screening Trial (NLST), 339
neuropathy (nerve damage), EFAs benefits, 185

Index

- Newman, Thomas B., on
 cholesterol-lowering drugs
 warnings, 291
- Newton, Sir Isaac, 41
- niacin, deficiency, 232
- nicotinamide, 450
- nitrates in food, 77–78
- Niwa, Yukie, antioxidant research,
 200
- non-Hodgkin's lymphoma,
 increase in, 5
- non-small cell lung cancer
 (NSCLC), 12
- nut oils, 193, 356
- nutrients, as "natural" anticancer
 vaccine, xxxix–xl
- Nutrition for Fitness and Sport*
 (Williams), 203, 267
- nutritional guidelines, The Plan:
 Five Simple Anticancer Steps,
 113, 127, 197, 353–369
- nuts, raw, omega-6 requirement
 and, 161, 193–194, 196
- O
- obesity
 Atkins "theory" on prime cause
 of, 484
 calorie theory and, 234–235
 cancer risk, 260–261
 carbohydrate consumption
 and, xxxiii, 235, 260–261, 266,
 269–270, 322–324
 dietary fat inhibits lipogenesis,
 268–269
 pediatric, effect of juice on, 250
 worldwide problem, 52
- olive oil, 192, 355, 374, 377
- Omacor, 82
- omega-3
 EFA derivatives, 167, 169, 299
 See also parent omega-3
- omega-6
 EFA derivatives, 167
 oils as source of, 170
 reactive oxygen intermediate
 (ROI) generation and, 379
 See also parent omega-6
- omega-6/3 ratios, 165–166, 171,
 190–191, 195, 330–331
 case study, 533–537
 omega-6 as critical component,
 219–220
 proper proportions to take,
 354–356
 recommendations, 197–198
 The Scientific Calculation of the
 Optimum Omega 6/3 Ratio (Pes-
 kin), 539
- omega-9 (high-oleic), 194, 197
- OMNIHEART study, 237–238
- "On the Origin of Cancer Cells"
 (Warburg), commentary on, 119,
 400–428
- oncogene theory, 108, 461–462,
 485, 510, 511
- oncologists' burn out, 17–18
- One Renegade Cell: How Cancer*
 Begins (Weinberg), 19, 95–96,
 484–485, 511
- optics, theory of, 36
- osteoporosis
 lack of calcium myth, 245
 protein and, 244–245
- Otto Warburg: Cell Physiologist,*
 Biochemist, and Eccentric (Krebs),
 137–138
- oxygen deficiency
 cell respiration and, 403–406
 as primary cause of cancer,
 116–122
- oxygen levels in the body, mea-
 surement of, 159, 445
- "oxygen magnets," EFAs as,
 162–163, 217–219, 432
- oxygen respiration. *See* cell respi-
 ration
- oxygen transfer
 cell membrane defect and,
 407–408
 EFAs for, 163–165, 217–219,
 394–395

The Hidden Story of Cancer

- oxygen transfer (*continued*)
 - free radical damage and, 198
 - lack of, as prime cause of oxygen deficiency, 407
- oxygenation of cells, 159–160
- Oxygenation Therapy: Unproven Treatments for Cancer and AIDS* (Green), 502–504
- P
- pancreatic cancer, 390, 390n6
- Pap smear test, for cervical cancer, 62
- parent EFAs, 161, 167–168
 - importance of, 415–428
 - omega-3 (alpha-linolenic acid, or ALA), xii, 79–85, 167–168, 195, 217, 222–223, 330, 416, 519–520
 - omega-6 (linoleic acid) fatty acids, 167–168, 195–196, 217, 223, 278–279, 411, 416
 - to derivative EFA ratios, 222–225
- Pasteur, Louis, 228, 420, 441
- Pasteur reaction, 228
- Patterson, Kevin, on what doctors don't know, 46–47
- Pauly, on xrays and carcinogenesis, 422
- pCSCs (precancerous stem cells), 528
- peanut oil, 193, 356
- peer-review system, xxxv, 54–55
- penicillin, 33
- Pennington, Dr., on obesity, 234, 235
- Peskin, Brian
 - on belief without understanding, 109
 - Beyond the Zone: Peak Performance, Radiant Health*, 253
 - e-mail address, xxii
 - frequently asked questions (FAQs), 457–464
 - on information, xxvii
 - nutritional discoveries of, xi, 180n12
 - on “science – not opinion”, xi
 - The Scientific Calculation of the Optimum Omega 6/3 Ratio*, 539
 - web site, xii, xxii, 539
- PET (positron emission tomography), 486
- pets, EFA supplements and, 540
- phospholipid bilayer, 279–280n29, 285
- phospholipids, 279, 280, 294
- photosynthesis research, 146
- Physics (Stewart), 30
- physiology
 - defined, 139n6
 - of humans, 115–116
- phytates, as mineral magnets, 236–237
- Pisters, Katherine, on lung cancer, 13
- The Plan: Five Simple Anticancer Steps, 113, 127, 197, 353–369
- Planck, Max, on new scientific breakthroughs, 32, 154
- Plummer-Vinson syndrome, 126, 451
- PMS symptoms, EFAs benefits, 186
- polyunsaturated fatty acids (PUFA), defined, 161
- polyunsaturated oils, 412
- Pompei, Francesco, cancer incidence rates, 6
- positron emission tomography (PET), 486
- Pravachol, 291
- pravastatin, 292
- precancerous stem cells (pCSCs), 528–529
- Prentice, Ross L., on low-fat diets and breast cancer, 512
- preservatives in food, 166, 411
- preserved oils. *See* margarine
- prevention
 - or cure, xxxvii–xlii
 - as cure for cancer, xxxviii–xxxix
 - See also* cancer prevention
- “The Prime Cause and Prevention of Cancer” (Warburg), commentary on, 428–434, 428–435

Index

- “The Prime Cause and Prevention of Cancer” (Warburg) [revised], commentary on, 439–453
- Principles of Medical Biochemistry* (Meisenberg and Simmons), 203, 322
- progesterone, 296, 297ⁿ43
- prostacyclin, 298
- prostaglandins, 299
- prostate cancer
- chemotherapy, 114
 - drug therapy, 29
 - increase in, 5
- protein
- animal-based, 231–233, 242, 357–359, 388, 391–392, 436, 438
 - high protein diet, 233
 - osteoporosis and, 244–245
 - requirements, 239–244
- Pruitt, Robert, on genetic inheritance laws, 102
- PUFA. *See* polyunsaturated fatty acids
- PUFA *Newsletter*, web site, 222
- pumpkin oil, 192, 355
- pumpkin seeds, 193
- Q
- “quackwatch sites,” notables listed on, xii
- quantum mechanics, 35, 36ⁿ27
- quantum theory, 34–36
- R
- Racing to the Beginning of the Road: The Search for the Origin of Cancer* (Weinberg), 386, 485
- Racker, Efraim, on Warburg’s cancer research, 151, 489
- radiation treatment, 23, 70–71, 71ⁿ19, 114, 360–361, 422
- radiation-induced cancer, xxvi–xxvii, xxviii¹, 349–352, 380
- Rajewsky, on xrays and carcinogenesis, 422
- rapeseed plants, genetically modified, 193
- reactive oxygen intermediates (ROIs), 379
- real-life results, 509–527
- Feynman on, 25, 43, 65
 - genetic inheritance law experiments, 103
 - lactic acid test experiments, 180–182, 208, 209, 210, 213–215
 - See also* lactic acid tests
- Reeves, Dana, death from lung cancer, 339
- research. *See* cancer research; medical research
- respiration, defined, 122
- respiratory enzymes. *See* mineral supplements
- retinopathy (eye damage), EFAs benefits, 185
- retroviruses, linked to cancer, 386–387
- Retsky, Dr., 15
- Ridell, Stanley, on cancer treatment, 10
- The Roles of Amino Acid Chelates in Animal Nutrition* (Ashmead), 252–253
- Rosenthal, Robert, on self-fulfilling prophecy, 25
- Rowen, Robert, on a vegetarian diet, 161, 162ⁿ4, 359
- Rubin, Jordan S., *The Maker’s Diet*, 232–233
- Rubin, Rita, on Gardasil vaccine, 398
- S
- Saba, Hussain I., on anemia, as risk factor for cancer, 388
- Sacks, Frank M., on fish oil supplements, 80
- safflower oil, 192, 194–197, 355–356
- Salem, Norman, on alpha-linolenic acids, 222–223
- Saltz, Leonard, on cancer cure, 8

The Hidden Story of Cancer

- Sammelweis, Dr., 33
- Sanford, Katherine, glycolysis experiment, 486–490
- sarcoma, defined, 226
- saturated fats
defined, 161
function of, 161
- Schade, Arthur L., on quantitative measurements of metabolism of cancer cells, 491
- Schoopenhauer, Arthur, on truth, stages of, xl-xli
- Schweigart, H.A., on oxygen deficiency of cancerous tissue, 119
- Schwickert, G., on lactic acid and cancer, 212
- The Scientific Calculation of the Optimum Omega 6/3 Ratio* (Peskin), 539
- scientific integrity, 25
- Scotland, heart disease rates, 52
- seafood and fish, with parent EFAs, 160, 169
- Seaman, Barbara, on mammography, 68, 69
- Second Opinion Newsletter*, 161, 162n4
- “second-hand” smoke, 40
- seeds, with EFAs, 160
- selenium, 252, 357, 385
- sesame oil, 192, 355
- sexual function, EFAs benefits, 178, 179, 186
- Sheehan, George, on running, 301
- Shephard, Thomas H., on soybean “formula” for infants, 304
- Sim, David
on “blood thinning,” 273
on cholesterol, 274, 288
- Simmons, William H., 203n50
- Sinclair, A.J., on fatty acids, 219, 222
- Sinclair, H.M., on EFA deficiency, 283
- skin, EFA supplements effect on, 534–535
- skin cancer
cottonseed oil as risk factor, xxix, 338, 374
EFAs benefits, 189–190
healthfulness of sunlight and, 336–338
hydrogenation and, 166
incidence of, 4
melanoma, increase in, 5
transfats linked to, 258
See also melanoma
“sleeping cancer cells,” 424–425
- smallpox vaccine, 33, 55
- smoking
cancer prevention and, 40
linked to lung cancer, 338–348
- Snow, Sheila Fraser, on Essiac herbal formula, 318
- Soffritti, Morando, on aspartame link to cancer, 314
- Solomon, Henry, *The Exercise Myth*, 301
- Sopolsky, Robert, on gene-disease link, 93–94, 466–467
- Soy: It Won't Protect You Against Contracting Cancer*, 240
- soy
as fuel for cars, 326
as healthy food myth, xii, 197, 240, 246, 304–313
immune system and, 324–325
thyroid cancer linked to, 325–326
- soy infant formula, 304, 310, 326
- soy oil, not recommended as EFA supplement, 192–193, 355
- Sperling, Kenneth
on Peskin's research, 541
on radiant health, xviii
- Spiteller, Gerhard, on oxygen/EFA connection and heart disease, 521–526
- sports medicine. *See* lactic acid tests
- Stacpoole, P., on fish oil supplements and blood glucose levels, 85
- Stamler, Jonathan, on hemoglobin, 75, 75–76n22

Index

- statins (cholesterol-lowering drugs), 274–276, 278, 289–293
cancer-causing studies, 291–293
failure of, 289–291
- statistical analysis, xvi, 58–59
F test, 176, 176*n*7
predictive value, 119*n*3
t test, 58, 58*n*11, 176
- Stefansson, Vilhjalmur
Cancer: Disease of Civilization?, 232
on human genomes, 481
- stem cell production, hyperbaric oxygen therapy and, 225–226
- stem cell research, and causes of cancer, 509–510
- sterilization, 33
- steroids, 349
- Stewart, Oscar M., on scientific method, 29–30
- stomach cancer, linked to nitrates, 77
- stomach ulcers, causes of, 32–33
- stress, oxygen requirements during, 135–136
- Stryer's Biochemistry*, 266
- sunflower oil, 192, 194, 195, 355
animal experiments with, 285
“high oleic,” 196–197
- sunlight therapy, 336–338
- superoxide dismutase (SOD), 198, 200
- Szent-Györgyi, Albert, on discovery, xxxiv
- T
- Taller, Herman, *Calories Don't Count*, 234–235, 261
- Tamoxifen, 61, 132–133, 311*n*58
- Tannenbaum, N.E., on inflammatory breast cancer, 334
- Tap Pharmaceutical, 29
- Tesla, Nicola, on thinking clearly, 20, 275
- testicular cancer, 208*n*
- testis cancer, 5
- testosterone, 296, 298
- Textbook of Medical Physiology*, 267, 268, 296, 302, 309, 322
- Thailand, diabetes epidemic, 52
- Theorell, Axel Hugo Theodor, Nobel Prize research, 144
- theory
meaning of, 35–37
predictive value of, 119*n*3
- thermodynamics, 151, 236*n*3, 446–448
- Thom, Stephen R., on hyperbaric oxygen therapy, 225
- Thomas, Richard, *The Essiac Report: The True Story of a Canadian Herbal Cancer Remedy...*, 320
- Thun, Michael, on low-fat diets and breast cancer, 513
- thyroid
hypothyroidism linked to breast cancer, 131–133
soy formula and infant thyroid problems, 304, 310, 326
- thyroid cancer, soy linked to, 325–326
- tofu, 308
- transfats
adverse health effects of, 166, 255–259, 295–296, 411
defined, 255
linked to cancer, 375
low consumption recommended, 172
- triglycerides, 256–257*n*2, 290
- truth
Galileo on, 41
Schoopenhauer's stages of, xl–xli
- tuberculosis, sunlight therapy, 338
- Tufts School of Medicine, 351
- tumor oxygenation
head and neck cancer and, 118, 384–385
See also oxygen deficiency
- tumorigenesis
EFA deficiency and, 174, 377, 378
urinary tract, 378

The Hidden Story of Cancer

U

UC Berkeley Wellness Letter, 63
ulcers, bacterial cause of, 32–33
unsaturated fats
 defined, 161
 function of, 161
 as “oxygen magnets,” 162–163
uterine cancer, 336
 See also cervical cancer

V

vaccines
 for cancer cure, 18–19
 Gardasil for cervical cancer, 398, 529
 nutrients as “natural” vaccine, xxxix–xl
 for smallpox, 33, 55
Vane, J.R., on fatty acids, 223
Vegan Society, web site, 239ⁿ⁶
vegetarian diets, 161–162, 238–239, 240, 244, 359
 See also fruits and vegetables
Verrengia, Joseph B., on genetic inheritance laws, 101–102
Vioxx, side effects, 28
viruses, as cause of cancer, 386–387, 395–398, 427, 429, 450–451, 505–506, 529–531
Visco, Fran, on drug costs, xxiv
vitamin supplements, 431–432ⁿ⁵, 438
 B, 232, 252, 391, 431–432
 C, 20, 2500
 D, 336–338
 E, 198–199, 200
Voet, Donald and Judith, 323
von Schacky, Clemens, on omega-3 fatty acids, 80
Vonk, Brian, 537

W

Wacholder, Sholom, on gene-disease link, 92

Wade, Nicholas, on Human Genome Mapping Project, 103, 480–481
Wainwright, P.E., on fish oil supplements and brain damage, 83–84
Wald, Elijah, *Exploding the Gene Myth*, 91, 97–99, 469–474
Walenta, S., lactic acid and metastases, 211
Walker, Sam, on lactic acid test, 208
walnut oil, 193, 356
Warburg effect, 211–212, 515
Warburg, Otto
 biographical profile, xxxi, 137–139
 Burk on discoveries of, 439–440
 as a medical physicist, 140–141
 mentor to Nobel Prize winners, 143–144
 photo of, 137
 cancer research, xxv, xxvii–xxviii, xxxiii, 22
 blood flow speed, 260
 on cancer “cure”, xxxviii
 chronology of, 144–145
 hemoglobin oxygenation and cancer prevention, 231
 lactic acid levels and, 212–213
 metabolism of tumors, 112–113, 122–123, 202–203, 210
 oxygen deficiency measurement, 159, 445
 oxygen deficiency as primary cause of, 116–122
 primary cause of cancer, xvii, 39–42, 65, 107, 111–136, 383, 385, 392–393
 secondary causes of cancer, 23–24, 112
 on the Warburg effect, 211–212
scientific discoveries, xxxiii–xxxiv, 87–88, 137–156
 on cell structure and environment, 108

Index

- criticism or rejection of
 - research, 146–151, 463, 483–507
- excerpts from, 383–398
- experimentation and testing techniques, 36, 61, 497–498
- Nobel Prize research, 463–464
- on prime cause of a disease, xxx, 440
- recognition of, 141–143
- on respiratory enzymes research, 139
- significance of research, 139–140, 514–519
- on simplifying research techniques, 31
- works of
 - excerpts from, with commentary, 383–398
 - Investigations from the Metabolism of Tumors*, 112–113, 481–482
 - Metabolism of Tumors in the Body*, 202–203, 516
 - “On the Origin of Cancer Cells”, commentary on, 119, 400–428
 - “Prevention of Endogenous Cancer”, commentary on, 435–438
 - “The Prime Cause and Prevention of Cancer”, commentary on, 428–434
 - “The Prime Cause and Prevention of Cancer” (revised), commentary on, 439–453
 - translations, xliii–xliv
- Warfarin Sodium, 273
- Warren, J. Robin, on stomach ulcers and bacterial infection, 32
- Watkins, H. Thomas, 29
- Weber, Michael, on exercise and hypertension, 303
- weight loss. *See* calorie theory; diet and nutrition; obesity
- Weinberg, Robert
 - on cancer metastases, 271
 - on cancer research, 35, 95
 - on causes and cure of cancer, 19–20, 95
 - on gene-disease link, 95, 386–387, 484–485
 - One Renegade Cell: How Cancer Begins*, 19, 95, 484–485, 511
 - Racing to the Beginning of the Road: The Search for the Origin of Cancer*, 485
- Weinhouse, Sidney
 - on misinterpretations of Warburg’s research, 148–149, 483–484, 489, 490–495
 - “Oxidative Metabolism of Neoplastic Tissues,” 490–495
- Weston A. Price Foundation, 304
- Whelton, Paul, on changes in medical practice, 77
- The Whole Soy Story: The Dark Side of America’s Favorite Health Food* (Daniel), 305
- Why Zebras Don’t Get Ulcers: A Guide to Stress, Stress-Related Disease and Coping* (Sopolsky), 466
- Wilde, Stuart, on what sounds good, 45
- Williams, Melvin H., *Nutrition for Fitness and Sport*, 203, 267
- Wilson, Richard, cancer incidence rates, 6
- Windesch, F., on oxygen deficiency and cancer cells, 119
- Wolfer, John, on Essiac herbal formula, 318
- Wood, Summer, on blood clots and cancer deaths, 271
- Woods, Mark
 - glycolysis experiment, 486–490
 - Morris-hepatomas experiment, 442–443

The Hidden Story of Cancer

World Health Organization
(WHO)
cancer statistics, xxxi, 53, 329
diabetes in India, 52*n*5

Wynder, Bernest, on cancer
prevention, 126, 452

X

xray radiation-caused cancer,
xxviii, 349–352, 422–423

Y

Yang, C.N., on theoretical physics,
36

Z

zinc, 252, 357, 385
Zocor, 291