

SUBJECT INDEX

(Asterisks refer to subject matter listed in
"Review Articles and Other References")

A

- Abscess: nerve, leprotic, 341
Absorption, percutaneous, 501*
 mechanism of, 433
Acantholysis, 473^r
Acanthoma: Degos', 159
Acanthosis nigricans, 466^r, 468^s,
 492^s, 493^s
Acetic acid, 472^r
Acetylcholine: inducing sweating,
 443
Acetylcholinesterase: contact in
 neurodermatitis, 124
Acid-fast microorganisms: and scler-
 oderma, 263
Acid phosphatase: distribution in
 psoriatic cornification, 247
Acne
 conglobata, 492^r
 17 α -methyl-B-nortestosterone in,
 64
 occupational, 386
 vulgaris, 455*, 456*, 489*, 492^s
Acrodermatitis: infantile papular,
 of Gianotti-Crosti, 383
Acrodynia, 496^r
Acropathy: ulceromutilating, 298
Acroscleroderma: virus-like parti-
 cles in striated muscle in, 324
ACTH, 455*
Actinomycin D, 470*, 497*
Actinomycosis, 456*
Adenoacanthoma, 187
Adenoid squamous cell carcinoma,
 187
Adenoma: sweat gland, 467*
Adenosine-5'-monophosphoric acid:
 in porphyria, in children, 296
Adenosine triphosphate, 499*
Adhesive tape, 501*
Adrenal cortex: suppression with
 flumethasone, 58
Aged: venereal infections of, 355
Aging: and collagen, 438
Ainhum, 495*, 496*
Albinism: and tyrosinase inhibition,
 50
Aldolase, 497*
Aldosterone. and sweat electrolytes,
 444
Alkylating agents, 494^r
Allergenic residues: in penicillins,
 106
Allergens
 contact, identification by assay,
 92
 dandruff, 110
 house-dust mite and, 113
Allergy, 96 ff., 458*-460*
 dermatitis, contact, and mononu-
 clear cell infiltrate, 104
 drug, 461^r
 lymphoblastic transformation
 test and, 97
 mercury, 91
 penicillin (*see* Penicillin)
 skin reactions and inflammatory
 infiltrates, 103
 test, lymphocyte culture as, 99
 vasculitis and, 272
Alopecia, 462^r, 482*
 9,11-dihalogenated corticosteroids
 in, 63
Aluminum salts: antiperspirant ef-
 fect of, 447
Amethopterin: and dihydrofolic re-
 ductase, 246
Amino acids: and epidermal kera-
 tinization, 409
Amphotericin B: for chromoblasto-
 mycosis, 61
Ampicillin, 456*
Amyloidosis: bullous, 479*
Anaplastic cells: in keratosis senilis,
 181
Anatomy, 453^r
Anemia
 dermatopathic, 282
 hemolytic, 461*
Anesthesia, 503*
Angiodermatitis, 478*
Angiokeratoma, 169 ff., 464*, 480*
 clinicopathology, 171
 corporis diffusum, 285 ff.
 electron microscopy of, 285
 lipid deposits in, 287

- scrotum, 170
vulva, 169
- Angioma
serpiginosum, 465
sudoriparous, 466
- Angiomatosis, 473
- Angio-osteohypertrophy syndrome, 464^c
- Anhidrosis, 445 ff.
diabetic, 480^v
eccrine, 447
familial, 158
miliaria and, 445
- Antibody(ies)
alloimmune, 459^r
antinuclear antibody test, 250
antinuclear, in lupus erythematosus, 253
bullous pemphigoid and, 220
 autoantibodies, 220
 base zone, 221
to DNA, in lupus erythematosus, 253 ff.
 complement-fixing, 253
γM, pycoderma and moniliasis, 118
reaginic, 459^r
serum, in lupus erythematosus, 252
- Antifungals, 457^r
- Antigen(s)
bacterial, and vasculitis, 270
epidermal, 406
M, 490^r
macromolecular, percutaneous absorption of, 95
stimulation, 460^r
- Antinuclear antibody and lupus erythematosus, 253
- Antinuclear antibody test, 250
- Antinuclear factors in lupus erythematosus, 251
- Antistreptolysin O, 485^r
- Arseniasis from water and lung cancer, 130
- Arteries
continuous arterial infusion chemotherapy for cancer, 74
occlusive disease, progressive, 277
pulmonary, hypertension, and lupus erythematosus, 249
- Arterioiditis "allergica" ruiter: HPF in, 276
- Arthritis
exudative, 487^r
psoriatic, in Egypt, 236
rheumatoid, 461^r, 477^r
corticosteroids and collagen, 404
 L-chain proteins in, 255
- Asboe-Hansen's disease, 377, 465^r
- Ascorbic acid deficiency, 502^v
- Aspergillosis, 483^r
- Aspirin: and ultraviolet erythema, 140
- Ataxia-telangiectasia, 464^r
- Atopy, 461^r, 487^r
- Atrophoderma: follicular epithelioma and hypotrichosis, 372
- Autoantibodies, and bullous pemphigoid, 220
- Autografts (see Grafts)
- Autoradiography: of epidermis in ichthyosiform dermatosis, 375
- Autosensitivity diseases, 461^r
- B
- Bacilli, 489^v
- Bacteria: and psoriasis, 239
- Bacterial antigens: and vasculitis, 270
- Bacteriophage cycle: in diphtheroids, 327
- Baldness, 458^r, 482^r
- Basement membrane, 469^r
absence, epidermal basal cell behavior in (in chick), 37
- Basophil, 458^r, 500^r, 501^r
- "Beau's lines:" in hair, 302
- Behçet's disease, 495^r
- Benzothiadiazine: causing photo-leukomelanodermitis, 131
- Benzylpenicillin
immune responses to, 109
skin sensitivity to, 107
- Betamethasone, 457^r
17-valerate, 54 ff., 456^r
H¹, percutaneous absorption of, 55
hyperkeratosis lenticularis perstans and, 370
therapeutic effectiveness, 54
- Biochemistry, 497^r
- Biology, 453^r
- Black heel, 494^r
- Blastomycosis, North American, 483^r, 484^r
in central U.S., 313
- Bleaching spontaneous, of melanotic freckles, 185
- Blisters, 228 ff., 474^r
enzymes in blister fluid, 416
friction, linear rubbing and twisting techniques, 228

- suction, 229 ff
 cellular dynamics of inflammation and, 231
 electron microscopy and histochemistry, 229
- Block heart, 476^{*}
- Blood cells. chromosome mutations due to x-ray of skin, 450
- Bloom's syndrome, 153 ff., 465^{*}
 chromosome breakage and leukemia in, 154
- Blue dot infection, 484^{*}
- Bone marrow (*see* Marrow)
- Boric acid intoxication. from talcum powder, 126
- "Bound" complement in epidermis, in pemphigus vulgaris, 225
- Bradykinin, 499^{*}
- Brain heterotopic tissue, 180
- Brassieres: Spandex, causing dermatitis, 120
- Brocq-Lyell syndrome, 382
- Bronchial cancer, 455^{*}
- Butylphenol, 460[†]
- C
- Cadmium, 470^{*}
- Calcinosis cutis, 480^{*}
- Calciphylactic calciferol-albumin syndrome, 498^{*}
- Cancer, 468^{*}
 bronchi, 455^{*}
 carcinoma, basal cell, 470^{*}, 472^{*}
 autologous transplant in skin grafts, 208
 carcinoma, squamous cell, 186 ff.
 adenoid, 187
 oral papillomatosis and, 186
 cells, 469^{*}
 chemotherapy, 456^{*}, 471^{*}
 continuous arterial infusion, 74
 colon, and facial keratoacanthoma, 190
 cytodagnosis, 472^{*}
 duodenum, and facial keratoacanthoma, 190
 epidermal, and urocanic acid, 411
 epidermoid, 485^{*}
 larynx, and facial keratoacanthoma, 190
 lip, 457^{*}
 lung, due to arseniasis, 130
 metastases, melanoma, and perilesional leukoderma, 201
 pancreas, and panniculitis of Weber-Christian disease, 401
 skin, 83 ff., 471^{*}, 473^{*}
 Ir¹³¹ endoradiotherapy of 84
 Queensland study, 189
 therapy of, 78
 x-ray and gamma radium ray therapy of, 83
 skin manifestations of, 473^{*}
 sweat gland, 472^{*}
- Candida albicans, 484^{*}
 in pregnancy and newborn, 307
- Candidiasis, 483^{*}
- Cantharidin-produced blisters: and lactate dehydrogenase, 232
- Caproic acid, 500^{*}
- Carbamazepine, 477^{*}
- Carbohydrate, 479^{*}, 498^{*}
 metabolism, and methotrexate in psoriasis, 235
- Carbon-14
 labeling cortisol, percutaneous penetration of, 434
 labeling norepinephrine, and atopic dermatitis, 125
- Carbimol, 462^{*}
- Carcinogenesis occupational, 468^{*}
- Carcinoma (*see* Cancer)
- Catecholamine, 478^{*}, 500^{*}
- Catechols, 458^{*}
- Cell(s), 39 ff., 164 ff
 anaplastic, in keratosis senilis, 181
 blood, chromosome mutations due to x-ray of skin, 450
 cancer, 469^{*}
 cellular dynamics of inflammation, and suction blisters, 231
 cultures, and Chediak-Higashi syndrome, 155
 epidermal (*see* Epidermis)
 epithelial (*see* Epithelium)
 intercellular cement, and pemphigus vulgaris, 225
 Langerhans' (*see* Langerhans' cells)
- L. E. cell factor and liver disease, 258
- lepromatous, phagocytosis and mitochondrial changes in, 338
- marrow (*see* Marrow)
- mast (*see* Mast cells)
- maturation and tissue organization in epithelial outgrowths from skin and buccal mucosa, 41
- melanoma, malignant, histochemistry of, 203

- mononuclear infiltrate in allergic contact dermatitis, 104
 nevi, 164 ff.
 balloon, 166
 renewal, 453
 tumor, study of skin reticulosarcomatosis, 214
 Cement. intercellular, and pemphigus vulgaris, 225
 Cephaloridine: in early syphilis, 363
 Ceramidetrihexosidase deficiency, 479
 in Fabry's disease, 291
 Chalone: vertebrate epidermal, 413
 Chediak-Higashi syndrome, 495, 496
 cell culture and, 155
 Cheilosis, 496*
 Chemotherapy
 cancer, 456, 471'
 continuous arterial infusion, 74
 leprosy, 490'
 Children
 acrodermatitis of Gianotti-Crosti, 383
 dermatomyositis, 265
 epidermolysis bullosa, flucinolone acetonide for, 57
 granulomatous disease, fatal, 397
 newborn
 Candida and, 307
 fat necrosis of, lipid study, 401
 hemangioma, miliary, 177
 patch tests, positive, 86
 porphyria of, adult type, 296
 psoriasis, Zumbusch type, 237
 scalded skin syndrome, 381
 Chlorambucil: in Kaposi's disease, 211
 Chloraminophen. in Kaposi's disease, 211
 Chloramphenicol, 487*
 Chlormadnone-mestranol and sebum production, 65
 Chloroquine, 456*, 492*
 retinopathy, screening for, 129
 Chlorpromazine, 462*
 phototoxic reaction due to, 142
 skin changes and, 128
 Cholinesterase, 454*
 Chondrodystrophia congenita punctata: skin manifestations of, 373
 Chromatography, thin-layer, of lipids, 420 ff.
 epidermal, 421
 sebaceous gland, 420
 Chromium. 502
 Chromoblastomycosis, 482*, 483*
 amphotericin B for, 61
 thiabendazole for, 69
 Chromogen infections, 348
 Chromosomes
 breakage in Bloom's syndrome, 154
 mutations of blood cells due to x-ray of skin, 450
 Cignolin: healing and psoriasis foci, 245
 Clone formation, 502'
 Cobalt: sensitizing effect of, 90
 Coccidioides immitis, 485*
 Coccidioidomycosis, 483*
 Cockayne's syndrome, 465'
 Colcemid: effects on skin, 242
 Collagen, 404 ff., 464, 476, 497'-499'
 aging and, 438
 degeneration, marginal, 149
 disease, 477
 eosinophilic, 280
 fibers, 454*
 histology and biosynthesis of, 405
 profile in clinical conditions, 418
 rheumatoid arthritis and corticosteroids, 404
 Collagenoma: "eruptive," 168
 Collagenosis: reactive perforating, 394
 Colon
 carcinoma, and facial keratoacanthoma, 190
 lesions due to 2,4-dinitrochlorobenzene (in animals), 87
 Comedones, 486'
 Complement-fixing antibodies: to DNA, and lupus erythematosus, 253
 Connective tissue, 467*, 497*, 500*, 501*
 disease, 476*
 Conradi's disease: skin manifestations of, 373
 Contraception, oral, 462*
 causing melasma, 127
 Coproporphyrria, 480*
 Coral-red fluorescence: of skin, 331
 Corneal staining: in lupus erythematosus, 248
 Corticosteroids, 456*
 betamethasone (*see* Betamethasone)
 9, 11-dihalogenated, in alopecia, 63

- fibroblasts and, 438
 potency, and vasoconstriction test, 56
 rheumatoid arthritis and collagen, 404
 Cortisol-C¹⁴ percutaneous penetration of, 434
 Corynebacterium acnes causing scalp pustules, 333
 Croton oil, 472^{*}
 CRST syndrome, 475^{*}
 Cryogenic temperature studies of skin, 74
 Cryoglobulin: in lupus erythematosus, 257
 Cryoglobulinemia, 479^{*}
 Cryoproteins in lupus erythematosus, 256
 Cryotherapy, 456^{*}
 Cryptococcus neoformans, 484^{*}
 Cyclamate as photosensitizer, 143
 Cyclophosphamide, 456^{*}, 460^{*}
 Cyst(s)
 dermoid, 467^{*}
 jaw, 470^{*}
 Cystic fibrosis of pancreas, 501^{*}, 512^{*}
 aldosterone and sweat electrolytes, 444
- D
- Dactinomycin, 484^{*}
 Dandruff allergen, 110
 Dapsone, 462^{*}
 leprosy and, 71
 Darier's disease, 455^{*}
 DDS, 462^{*}
 leprosy and, 71
 Deafness, 465^{*}
 leukonychia and knuckle pads, 158
 Degos' acanthoma, 159
 Demodicidosis: rosacea-like, of eyelids, 352
 Dendritic cells: epidermal, in pigmented skin, 44
 Deoxyribonucleic acid (*see* DNA)
 Depigmentation: ischemic, 455^{*}
 Dermatitis, 119 ff., 123 ff., 459^{*}, 460^{*}, 462^{*}
 atopic
 immunologic capabilities in, 123
 norepinephrine-C¹⁴ and, 125
 Scholtz regimen in, 121
 caterpillar, 494^{*}
 cobalt, 462^{*}
 contact, 103 ff., 119 ff., 459^{*}-462^{*}
 allergic and mononuclear cell infiltrate, 104
 ethylenediamine causing, 119
 monocytes in, 103
 spandex brassieres causing, 120
 herbicide, 461^{*}
 herpetiformis, 456^{*}, 473^{*}, 474^{*}
 lichenoides zoniformis, 495^{*}
 neuodermatitis, acetylcholinesterase content in, 124
 nickel, 459^{*}
 occupational, 459^{*}, 461^{*}
 primula, 462^{*}
 radiation, 469^{*}
 occupational of fingers, 77
 seborrheic, 492^{*}
 solar, 464^{*}
 stasis, 478^{*}
 Dermatoarthritis: lipoid, lipids in, 396
 Dermatoglyphic analysis, 499^{*}
 Dermatomycosis and penicillin allergy, 96
 Dermatomyositis, 256 ff., 476^{*}, 477^{*}
 case review, 266
 in children, 265
 Dermatopathic anemia, 282
 Dermatophagoides pteronyssinus and allergens, 113
 Dermatophytes, 483^{*}
 Dermatoses, 463^{*}, 492^{*}
 allergic, 456^{*}
 ashy, 495^{*}
 ichthyosiform, epidermal proliferation, 375
 light, 134 ff.
 hemolysis with visible light in, 136
 light, polymorphous, 134 ff.
 indolyl-3-acryloyl-glycine and "light band" in, 135
 light tests and pathogenic wavelengths, in, 134
 solar, 146
 vesicular, 473^{*}
 Dermis papillae regeneration in vibrissae (in rat), 306
 Dermoepidermal junction in bullous pemphigoid, 222
 Dermoepidermal separation with suction, 229
 Dermographia, 495^{*}
 Dermohypodermic alterations vascular, in diabetes, 283
 Dermoids, 468^{*}

- Dermo-jet, 457
 Desacetylmethylcolchicine: effects
 on skin, 242
 Dexamethasone, 480, 486
 Dextran, 490*
 Diabetes
 lipoatrophic, 466
 mellitus, 480*
 anhidrosis and, 480
 vascular dermohypodermic alterations in, 283
 5,6-Diacetoxyindole, 455
 Diamine oxidase, 474
 Diethylaminoethyl ester hydriodide
 salt of penicillin G: in scleroderma, 262
 Digital tumors, 495*
 9, 11-Dihalogenated corticosteroids
 in alopecia, 63
 Dihydrofolic reductase, 475
 amethopterin and, 246
 3,4-Dihydroxyphenylalanine: oxidation
 by *Mycobacterium leprae*, 345
 Dimethyl sulfoxide, 455', 482',
 500'-502*
 idoxuridine in, in herpes simplex,
 316
 ultrastructure of horny layer after
 (in guinea pig), 429
 Dinitrochlorobenzene, 458*, 460'
 1,3-Dinitro-4-chlorobenzene: flare-up
 reactions to, 114
 2,4-Dinitrochlorobenzene
 colon lesions due to (in animals),
 87
 hypersensitivity transfer by IgA
 (in guinea pig), 116
 Diphtheroids
 bacteriophage cycle in, 327
 of erythrasma, fine structure, 335
 Dirafilaria, 487*
 Disulfide, 463*
 DMSO (see Dimethyl sulfoxide)
 DNA, 477*
 in lupus erythematosus, 253 ff.
 antibodies to DNA, 253 ff.
 Dogger Bank itch, 387
 DOPA: oxidation by *Mycobacterium leprae*, 345
 Drug allergy: and lymphoblastic
 transformation test, 97
 Drug reactions, 462*
 Duodenum carcinoma, and facial
 keratoacanthoma, 190
 Dyskeratoma: warty, 466*
 Dysphagocytosis: congenital, 397
 Dysplasia: hydrotic ectodermal, 465
 Dysproteinemia, 480

E

 Ecchymoses, 478
 Eccrines, 467
 anhidrosis, 447
 Eczema, 456', 458', 461', 462', 487'
 isomorphous reaction due to nicotinic
 acid ester, 122
 EDTA: for gold erythroderma, 62
 Ehlers-Danlos syndrome, 464', 465',
 492', 496'
 Eicosa-5.8:11.14-tetraenoic acid: in
 sebaceous gland suppression,
 441
 Elastic fibers, 454
 skin, electron microscopy of, 427
 ultrastructure in pseudoxanthoma
 elasticum, 439
 Elastosis
 actinic, 493*
 dermal, 496*
 Electrolytes: sweat, and aldosterone,
 444
 Electron beam therapy: total skin,
 of lymphoma cutis and psoriasis,
 80
 Electron microscopy (see Microscopy)
 Electrophoresis: of epidermal antigens,
 406
 Elephantiasis, 493'
 Embolism: fat, 493'
 Embryology, 453'
 Embryos
 epidermis, ultrastructure of, 35
 postembryonic epidermal cells, 39
 Endocarditis, bacterial, 487*
 Osler's node of, 279
 Endocrine disorders, 480'
 Endocrinopathy, 479*
 Endocurietherapy: Ir^{192} , in skin cancer,
 84
 Enolase, 496*
 Enteritis: regional, 496*
 Enzymes
 in blister fluid, 416
 defect in Fabry's disease, 291
 folate-dependent, in epidermis,
 246
 glucose breakdown, in ichthyosis
 vulgaris, 281
 inactivation by ultraviolet irradiation,
 51
 induction, 499*

- Eosinophils, 465⁺
 Ephidrosis, 466⁺
 Epidermis, 35 ff, 409 ff., 413 ff
 antigens and soluble substances
 of, 406
 "bound" complement in, in pem-
 phigus vulgaris, 225
 cancer, and urocanic acid, 411
 cells
 basal, behavior in basement
 membrane absence (in chick),
 37
 dendritic, in pigmented skin,
 44
 growth and keratinization, 40
 postembryonic, preparation and
 characterization, 39
 chalone, vertebrate, 413
 epidermal derivatives and, 454⁺
 folate-dependent enzymes in, 246
 isoenzymes of, 414
 keratin and prekeratin of, 410
 keratinization, and amino acids,
 409
 Langerhans cells of (see Langer-
 hans cells)
 lipids of, chromatography of, 421
 lysosomes in, 415
 melanin unit, 29
 definition, 29
 mercury compound distribution
 in psoriasis, 241
 mitochondria of (in rat), 419
 necrolysis, 330
 proliferation in ichthyosiform der-
 matosis, 375
 replacement, 501⁺
 specificities, conservation of (in
 mammals), 37
 tumors of, and urocanic acid, 411
 ultrastructure, in embryos, 35
 Epidermodysplasia verruciformis,
 485⁺
 Epidermolysis bullosa, 473⁺, 474⁺
 fluocinolone acetonide for, in
 children, 57
 hereditary, 223
 Epithelioma, 472⁺, 473⁺
 basal cell, atrophoderma and hy-
 potrichosis, 372
 Epithelium
 cells
 tonofilaments, periodic repeat
 units of, 34
 in vitro culture, 40
 outgrowths from skin and buccal
 mucosa, 41
 Epoxides, 473⁺
 Erwinia, 490⁺
 Erythema, 493⁺
 annulare, 492⁺
 elevatum diutinum, 273
 dyschromicum perstans, 495⁺
 gyratum repens, 471⁺
 infectiosum, epidemic, 385
 multiforme, due to herpes sim-
 plex, 317
 nodosum, 488⁺
 leprosum, 489⁺
 telangiectatic, and growth retar-
 dation, 153 ff.
 chromosome breakage and leu-
 kemia in, 154
 ultraviolet causing, and aspirin,
 140
 ultraviolet monochromatic wave-
 lengths in solar spectrum and,
 132
 Erythematovesiculopapular erup-
 tive syndrome of Gianotti-
 Crosti of extremities, 383
 Erythrasma: diphtheroids of, fine
 structure, 335
 Erythroderma, 496⁺
 gold. EDTA for, 62
 Erythropoiesis: dermal, 486⁺
 Esophageal mucosa: in pemphigoid,
 219
 Esterase, 496⁺
 Estrogens: conjugated equine, and
 sebum production, 66
 Ethylenediamine
 contact dermatitis and, 119
 tetra-acetate, for gold erythroder-
 ma, 62
 Eye, 363 ff.
 fluorescent antibody tissue stain
 for *Treponema pallidum* in
 (in monkey), 364
 syphilis (in monkey), 363
 Eyelids: rosacea-like demodicidosis
 of, 352
 Extremities
 Gianotti-Crosti syndrome of, 383
 keratoelastoidosis verrucosa of,
 368

F

- Fabry's disease, 289 ff., 464⁺, 479⁺
 ceramidetrihexosidase deficiency
 in, 291
 electron microscopy of, 289

- Face
keratoacanthoma, and colonic, duodenal and laryngeal carcinoma, 190
necrobiosis lipoidica of, 284
ulcer, 493
Fanconi's syndrome, 465
Fat
embolism, 493
necrosis, lipids of, in newborn, 401
Fatty acids: short chain, of skin surface, 422
Febrile mucocutaneous syndrome, 490
Feet: fungous infections, 308
Fenticlor: photoallergy to, 141
Fibrinolysin, 500
Fibroblasts, 502
corticosteroids and, 438
Fibromatosis: desmoid, 468
Fibrosis, cystic, of pancreas, 501, 502
aldosterone and sweat electrolytes, 444
Fingers: occupational radiodermatitis of, 77
Flumethasone
adrenocortical suppression and, 58
pivalate, 456
Fluocinolone acetonide, 455
for epidermolysis bullosa, in children, 57
N,N'-2,7-Fluorenylenebisacetamide, 470
Fluorescence: coral-red, of skin, 331
Fluorescent antibody tissue stain: for *Treponema pallidum* in (in monkey), 364
Fluorescent test
treponema antibody, in leprosy, 344
treponemal-antibody absorption, in false positives in syphilis, 360
5-Fluorouracil, 473*, 503*
Flurandrenolone tape: study of, 53
Folate-dependent enzymes: in epidermis, 246
Follicular mucinosis, 212
Fortner's malignant melanoma: tyrosinase inhibitor in (in hamster), 49
Fragilitas cutis inguinalis and obesity, 389
Freckle, melanotic, 469
spontaneous bleaching of, 185
Friction
producing blisters, 228
test, 95
FTA-200 test: in leprosy, 344
FTA-ABS tests: in false positives in syphilis, 360
Fungous infections: of feet, 308
Furocoumarins, 455, 456, 463
photosensitivity and, 139
- G
- Gamma globulin, 476, 502
vasculitis and, 270
Gamma radium ray therapy: for skin cancer, 83
Gangrene, 487
pyoderma and myeloma, 278
Gene control: of pigmentary differentiation, 46
Genodermatosis, 464
Genotype: XXYY, 465
Geriatrics: and venereal infections, 355
Gianotti-Crosti syndrome, 494
of extremities, 383
Glaucoma, 456
Globulin
(See also specific globulins)
diagnostic, in papular mucinosis, 292
Glomus
necrotizing vasculitis of, 279
tumors, and blue rubber bleb nevi, 179
Glucose
breakdown enzymes, in ichthyosis vulgaris, 281
-6-phosphate dehydrogenase, 496
B-Glucuronidase, 498
Glycogen, 463
Glycogenolysis, 502
Gold
erythroderma, EDTA for, 62
jewelry, radon contaminated, skin reactions to, 151
Gonadotropin, chorionic, 480
Gonococci, 485
Gonorrhea, 486, 487
Gorlin's syndrome, 465
Gougerot-Ruiter syndrome, 272
Grafts
overgrafts, 501
rejection, and immune mechanisms, 104

- skin
 autologous transplantation of
 basal cell carcinoma in, 208
 lupus erythematosus and, 260
- Granuloma, 390 ff
 annulare, 493
 generalized, 393
 coral reef, 332
 multiforme, 494
 Leiker, 390
 pyogenicum, 466
 talc, 502
- Granulomatosis Wegener's, 455,
 494
- Granulomatous disease: fatal, in
 children, 397
- Griseofulvin, 67 ff, 456*, 483*
 microcrystalline, in tinea capitis,
 68
 nail extraction and, in onychomy-
 cosis, 67
 -warfarin antagonism, 451
- Groin dissection in malignant mel-
 anoma, lymphatic changes
 after, 198
- Growth
 epidermal cells, 40
 retardation, and telangiectatic
 erythema, 153 ff
 chromosome breakage and leu-
 kemia in, 154
- H
- Hair, 481*, 482*
 "Beau's lines" in, 302
- Hairline, receding, 457
- Hand-foot-mouth disease, 319 ff.,
 487*
 case study, 319
 in South Wales, 320
- Hand tumors, 466
- Healing
 (See also Wounds)
 Cignolin and psoriasis foci, 245
 proliferation (in rat), 441
- Heart block, 476*
- Hemangioma, 172 ff., 465*
 giant, and thrombopenia, 174
 miliary, in newborn, 177
 verrucous, 172
- Hemangiomatosis: congenital mul-
 tiocular, 176
- Hemoglobin, 478*
- Hemolysis: with visible light in
 porphyria and light dermatosis,
 136
- Heparin precipitable fraction, 478
 purpura hyperergica and, 276
- Hepatitis viral, and porphyria, in
 children, 296
- Hepatocyte, 486
- Herpes
 genitalis, 487
 simplex virus, 316 ff, 487
 erythema multiforme due to,
 317
 infection, idoxuridine in di-
 methyl sulfoxide for, 316
 infection, recurrent, in man
 and rabbit, 318
 zoster, 457
- Heterohemagglutinins, 458*
- Heterotopic brain tissue, 180
- Hexachlorophene, 457*
- Hexosamine, 497*
- Hidradenitis suppurative, 456*,
 495
- Hidradenoma, 162 ff, 466*
 eruptive, and syringoma, 162
 nodular, 163
- Hirsutism, 480*
 female, 301
 17 α -methyl-B-nortestosterone in,
 64
- Histamine, 465*, 497*, 498*, 500*
- Histidine, 497*
- Histiocytoma, 467*
- Histiocytosis, 493*, 494*
 X, 495*
 epidermal Langerhans cells
 and, 432
- Histochemistry, 496*
- Histopathology, 496*
- Histoplasmosis, 484*, 485*
- Hodgkin's disease, 460*, 468*
 tuberculin sensitivity transfer in,
 217
- Homograft rejection: and immune
 mechanisms, 104
- Hookworm, 490*
- Hormones, 501*
 MSH, 454*, 455*, 458*, 482*, 502*
 α -MSH, radioimmunologic study,
 417
- Horny layer, 453*, 497*
 ultrastructure after dimethyl sul-
 foxide (in guinea pig), 429
- House-dust mite: and allergens, 113
- HPF, 478*
 in purpura hyperergica, 276
- Hurler's syndrome, 479*
- Hydroproline, 498*
- Hydroxychloroquine, 460*, 492*

- Hydroxyproline, 497
 Hygrometry: electric, in transepidermal water loss measurement, 435
 Hyperadrenocorticotrophism, 455
 Hyperhidrosis, 466
 Hyperkeratosis
 follicular, 498
 lenticularis perstans, metamethasone-17-valerate in, 370
 Hyperlipidemia, 481²
 Hyperparathyroidism, 480
 Hypersensitivity, 100 ff.
 delayed, 458², 459², 461¹, 483¹
 bone marrow as cell source, 102
 immune mechanisms and, 104
 impaired, in leprosy, 343
 intestinal tract (in animals), 87
 to 2,4-dinitrochlorobenzene and tuberculin, transfer by IgA (in guinea pig), 116
 transfer by RNA extract, 100
 drug, 462²
 immediate, lymphocytes and ragweed-sensitivity, 101
 Hypertension pulmonary arterial, and lupus erythematosus, 249
 Hyperthermia: and parapsoriasis, 274
 Hypocholesteremic agents, 480
 Hypopigmentation, 464¹
 Hypotrichosis: atrophoderma and epithelioma, 372
- I
- Ichthyosiform dermatoses: epidermal proliferation, 375
 Ichthyosis vulgaris, glucose breakdown enzyme in, 281
 Idoxuridine in dimethyl sulfoxide: in herpes simplex, 316
 IgA, and hypersensitivity transfer (in guinea pig), 116
 Immune mechanisms: delayed hypersensitivity and homograft rejection, 104
 Immune responses to benzylpenicillin, 109
 Immunoelectrophoresis: of epidermal antigens, 406
 Immunofluorescence, 477¹
 allergic vasculitis and, 272
 Immunoglobulins, 461², 465²
 A, and hypersensitivity transfer (in guinea pig), 116
 liver disease and, 258
 lupus erythematosus and, 253, 258
 Immunologic capabilities: in atopic dermatitis, 123
 Immunologic precipitin system: in lupus erythematosus, 252
 Immunology, 458²
 serum sickness-like reactions to penicillin, 108
 sweat and, 112
 Immunoproteins, 488¹
 Immunosuppression, and mycobacterium ulcerans multiplication (in mice), 349
 Immunosuppressive drugs, 490
 Immunosuppressive therapy, 501²
 Imuran, 455¹
 Incontinentia pigmenti, 377, 465²
 Indolyl-3-acryloyl-glycine: and polymorphous light dermatosis, 135
 Inflammation, 463
 cellular dynamics of, and suction blisters, 231
 Ingram method: for psoriasis, 60
 Insect-sting, 458¹-460¹
 Insulinoma, 494¹
 Intermedin, 500²
 Intestine
 delayed hypersensitivity (in animals), 87
 polyposis, and oral melanosis, 156
 Intoxication: boric acid, from talcum powder, 126
 Intradermal tests: in lupus erythematosus, 251
 Iridium-192 endocurietherapy: of skin cancer, 84
 Iron
 level, in porphyria, 294
 pigment, 482¹
 Isoantigens, 461¹
 Isoenzymes: epidermal, 414
 Isohemagglutinins, 458¹
 Isoniazid, 462²
- J
- Jaw cysts, 470²
- K
- Kaposi's disease: chlorambucil in, 211
 Kaposi's sarcoma, 471², 472²
 Kaposi's varicelliform eruption, 490²

Kasabach-Merritt syndrome, 174
 Keloids, 457, 466
 Keratin, 498
 epidermal, 410
 Keratinization, 453, 473, 497
 epidermal, and amino acids, 409
 epidermal cells, 40
 Keratinolytic activity: of *Trichophyton*, 310
 Keratoacanthoma, 160 ff., 466, 467
 face, and colonic, duodenal, and laryngeal carcinoma, 190
 recurrences, 160
 ultrastructure (in rabbit), 161
 Keratoderma: of palms, 148
 Keratoelastoidosis verrucosa of extremities, 368
 Keratohyalin granules, 497
 Keratosis senilis: histology, 181
 Kinin, 463, 498
 Klippel-Trenaunay-Weber syndrome, 464
 Knuckle pads. leukonychia and deafness, 158
 Koebner phenomenon: and psoriasis, 240
 Kohlmeier-Degos disease, 277

L

Lactate dehydrogenase, 497
 cantharidin-produced blisters, 232
 Lactic acid dehydrogenase, 470*
 Lactones, 473
 Langerhans' cells, 453-455*, 497*
 epidermal, 430 ff.
 histiocytosis X and, 432
 induced "shedding" (in guinea pig), 430
 quantitative studies (in guinea pig), 430
 melanocytes and, 45
 vitiligo and, 366
 Larynx: carcinoma, and facial keratoacanthoma, 190
 Laser beam, 470*, 472*, 501
 L.E. cell factor: and liver disease, 258
 Leech bite: prurigo nodularis Hyde-like reaction to, 399
 Leishmania, 486*
 Leishmaniasis, 350 ff.
 American, histopathology, 350
 epidemic in Amazon, 351
 Lentigo, 468*
 maligna, and malignant melanoma, 184

Leprosy, 70 ff., 336 ff., 485, 486*, 488, 490*, 495
 FTA-200 test in, 344
 lepromatous
 dapsons in, 71
 impaired delayed hypersensitivity in, 343
 morphazinamide in, 70
 Mycobacterium leprae (see *Mycobacterium leprae*)
 nerve abscesses, 341
 phagocytosis and mitochondrial changes in cell, 338
 thalidomide for, 73
 Letterer-Siwe disease, 493, 494
 Leukemia: in Bloom's syndrome, 154
 Leukoderma: perilesional, in metastatic melanoma, 201
 Leukonychia: knuckle pads and deafness, 158
 Lichen
 myxedematosus, 479
 diagnostic globulin in, 292
 planus, 378 ff., 493
 buccal mucous membrane, 378
 ultrastructure of, 379
 rubber bullosus, and internal organ tumors, 224
 sclerosus et atrophicus, 493
 Light
 dermatosis (see Dermatitis)
 "light band" in polymorphous light dermatosis, 135
 polymorphous eruptions, 460
 tests, and wavelengths in polymorphous light dermatosis, 134
 ultraviolet (see Ultraviolet)
 visible, hemolysis with, in porphyria and light dermatoses, 136
 Lip: cancer, 457*
 Lipidosis, glycolipid (see Fabry's disease)
 Lipids, 420 ff., 497*, 498*
 deposits, in angiokeratoma corporis diffusum, 287
 fat necrosis and, in newborn, 401
 lipoid dermatoarthritis and, 396
 metabolism in skin, 424
 sebaceous gland, 420
 Lipo-atrophia annularis, 493*
 Lipogenesis, 497*
 Liver disease: immunoglobulins in, 258
 LTT: and drug allergy, 97

- Lung cancer: due to arseniasis, 130
 Lupus erythematosus, 248 ff., 460^r,
 461^r, 475^r-477^r
 autografts and, skin, 260
 cryoproteins in, 256
 disseminated, and pulmonary ar-
 terial hypertension, 249
 DNA in, 253 ff.
 antibodies to DNA, 253 ff.
 systemic, 251 ff.
 corneal staining in, 248
 cryoglobulins and rheumatoid
 factor in, 257
 immunoglobulin, 258
 immunoglobulin, antinuclear
 and complement-fixing anti-
 bodies in, 253
 intradermal tests and antinu-
 clear factors in, 251
 L-chain proteins in, 255
 nephritis of, 259
 nucleoprotein and serum anti-
 body in, 252
 Lupus-like syndrome, 476^r
 Lyell's disease, 330
 Lymphadenopathy, 499^r
 Lymphatic changes: after groin
 and axillary dissection, in
 malignant melanoma, 198
 Lymphoblastic transformation test:
 and drug allergy, 97
 Lymphocyte, 98 ff., 459^r, 477^r
 culture, as allergy test, 99
 ragweed-sensitivity and immedi-
 ate hypersensitivity, 101
 trichophytin and, 98
 Lymphocytic infiltration of skin,
 397
 Lymphoma, 468^r
 continuous arterial infusion chem-
 otherapy for, 74
 cutis, electron beam therapy of,
 80
 mycosis fungoides, and mechlo-
 rethamine, 216
 Lymphoplasia, 467^r
 Lyon hypothesis, 479^r
 Lysosomes, 454^r, 472^r, 473^r, 503^r
 in epidermis, 415
 Lysotypes of *Staphylococcus aure-*
us, 332
 Lysozymes, 498^r, 502^r
- M
- Macroglobulinemia, 478^r
 Macrophage, 485^r, 499^r
 Maffucci's syndrome, 467^r
 Malabsorption: in scleroderma, 261
 M antigens, 490^r
 Marrow
 as cell source in delayed skin re-
 action, 102
 selective accumulation of cells
 from, 104
 Mast cells, 436 ff., 478^r, 497^r, 500^r,
 502^r
 disease, 492^r
 granules in, 436
 pigment-forming cell tumors and,
 167
 ripening and degranulation of,
 437
 Mastocytoma, 501^r
 Mastocytosis (see *Urticaria pig-*
mentosa)
 Mastomycosis, 492^r
 Mechanoreceptors, 454^r
 Mechlorethamine: and mycosis fun-
 goides lymphoma, 216
 Medina's reaction, 342
 Mediterranean fever, 465^r
 Mefenamic acid, 486^r
 Meirowsky phenomenon, 454^r
 Melanin, 6, 454^r, 501^r
 definition, in vertebrates, 20
 epidermal melanin unit, 29
 definition, 29
 protective effect of, 51
 structure of, 9
 "vertebrate epidermal melanin
 unit," 455^r
 Melanoblastoma: malignant, 468^r
 Melanocyte, 28, 45ff., 454^r, 455^r,
 458^r
 clonal origin of, 46
 definition, 29
 Langerhans cells and, 45
 stimulating hormone (see *Hor-*
mones)
 tumors, 464^r
 Melanocytosis oculodermal, 464^r
 Melanoma, 454^r, 501^r
 malignant, 192 ff., 468^r-472^r
 case study, 192 ff.,
 case study, African forms, 197
 cells, histochemistry of, 203
 Fortner's, tyrosinase inhibitor
 in (in hamster), 49
 inaccurate pathologic diagnosis
 and survival, 200
 inoperable, tumor-exchange
 transplantation in, 202
 lentigo maligna and, 184

- Lymphatic changes after groin
 and axillary dissection, 198
 metastatic, and perilesional leu-
 koderma, 201
 pregnancy and, 199
 production with ultraviolet from
 DMBA-induced "blue nevi"
 (in mice), 206
 stage I, radiotherapy of, 82
 therapy and prognosis, 194
 therapy, local failure, 196
 tyrosinase from (in mice), 207
 mucosal, 469*
- Melanoproteins, 16
 Melanosis, 462*
 Melanosomes, 24
 definition, 28
 Melanotic freckle, 469*
 spontaneous bleaching of, 185
 Melasma, due to oral contracep-
 tives, 127
 Melphalan, 468*
 Meprobamate, 462*
 Mercury
 allergy, 91
 ammoniated, 462*
 compound, distribution in psori-
 atic epidermis, 241
 Merkel's "tastzelle," 454*
 Mestranol-chlormadinone and se-
 bum production, 65
 Metabolic disorders, 479*
 Metachromasia, 501*
 Metastases: melanoma, and peri-
 lesional leukoderma, 201
 Methacholine: inducing sweating,
 443
 Methandrostenolone, 486*
 Methotrexate, 468*, 474*, 475*, 499*
 psoriasis and, 234 ff.
 carbohydrate metabolism in,
 235
 17 α -Methyl-B-nortestosterone: in
 acne and hirsutism, 64
 Microcirculation: (in rat), 441
 Microscopy
 electron
 acid phosphatase in psoriasis,
 247
 angiokeratoma corporis diffu-
 sum, 285
 bacteriophage cycle in diph-
 theroids, 327
 dermoepidermal junction in
 bullous pemphigoid, 222
 elastic fibers of skin, 427
 Fabry's disease, 289
 mast cells, 437
 pemphigus vulgaris of mouth
 and skin, 225
 smallpox diagnosis and, 322
 suction blisters, 229
 Syringoma and eruptive hidrad-
 enoma, 162
 light and electron, of solar derma-
 tosis, 146
 optical and electron, of vascular
 alterations in diabetes, 283
 Miliaria and anhidrosis, 445
 Milkers' nodules, 488*
 Mite house-dust and allergens, 113
 Mitochondria
 changes in lepromatous cell, 338
 epidermal (in rat), 419
 Mohs' technique, 472*
 Moniliasis: pyoderma and γ M anti-
 bodies, 118
 Monochromator, 463*
 Monocytes, in contact dermatitis,
 103
 Mononuclear cell infiltrate in aller-
 gic contact dermatitis, 104
 Morphaznamide in leprosy, 70
 Mouth
 melanosis, and intestinal polypo-
 sis, 156
 papillomatosis, and squamous
 cell carcinoma, 186
 pemphigus vulgaris, and intercel-
 lular cement, 225
 MSH (see Hormones)
 Mucinosis
 follicular, 212
 papular, diagnostic globulin in,
 292
 Mucopolysaccharides, 482*, 498*
 Mucosa
 buccal, 454*
 epithelial outgrowths from, 41
 epidermal specificities conserva-
 tion (in mammals), 37
 esophageal, in pemphigoid, 219
 fine structure, 454*
 Mucous membrane buccal, lichen
 planus of, 378
 Multifungin: photoallergy to, 141
 Muscle
 indurations in phenylketonuria,
 299
 striated, virus-like particles in, in
 acroscleroderma, 324
 Mycobacterium, 345 ff.
 atypical, causing skin disease, 348
 leprae, 345 ff.

- DOPA oxidation by, 345
 metabolism of, 346
 submicroscopic forms of, 336
 ulcerans, immunosuppression of
 (in mice), 349
 Mycosis, 484', 485'
 fungoides, 215 ff., 496'
 lymphoma, and mechlorethamine, 216
 reconsideration of, 215
 Myeloma
 multiple, 473'
 pyoderma gangrenosum and, 278
 Myxedema pretibial, 455'
 Myxoderma tuberosa circumscripta
 euthyreotica, 293
- N
- Nails, 481'-483'
 extraction, and griseofulvin, in
 onychomycosis, 67
 half-and-half, 303
 Naldixic acid, 463'
 B-Naphthol, 500*
 Necrobiosis lipoidica: of face and
 scalp, 284
 Necrolysis, 468*, 487', 492'
 epidermal, 330
 Necrosis, 478'
 acute, 457*
 fat, lipids of, in newborn, 401
 parapsoriasis and, 274
 Neisseria gonorrhoeae: L-form of,
 326
 Neoarsphenamine bismuth: in
 syphilis, 359
 Neomycin: patch tests, 88
 Nephritis, 489'
 lupus, 259, 476*
 Nephrotic syndrome, 462'
 Nerve abscess: leprotic, 341
 Netherton's disease: in sisters, 305
 Neural elements: cutaneous, labili-
 ty of, 448
 Neural rest: heterotopic, 180
 Neuralgia: trigeminal, 493*
 Neurodermatitis: acetylcholinester-
 ase content in, 124
 Neurofibromatosis, 467'
 Neurosyphilis: (in monkey), 363
 Nevi, 164 ff., 466*
 achromic, 376
 balloon cell, 166
 basal cell nevi syndrome, 465*,
 466*
 blue rubber bleb, 467*
 glomus tumors and, 179
 connective tissue, 467'
 DMBA-induced "blue," ultravio-
 let produced melanoma from
 (in mice), 206
 of Ota, 466'
 pigmented, 467'
 spindle and epitheloid cell, 164
 Nevocarcinoma
 therapy and prognosis, 194
 therapy review, 75
 Newborn (*see* Children)
 Nicotinic acid ester: causing iso-
 morphous reaction in ecze-
 ma, 122
 Nitrogen: liquid, in cryogenic tem-
 perature studies of skin, 75
 Nocardia brasiliensis, 484'
 Nocardiosis: sporotrichoid, 484'
 Norepinephrine-C¹⁴: and atopic der-
 matitis, 125
 Nucleoprotein, 477'
 lupus erythematosus, 252
 Nucleoside, 499'
 triphosphatase, 497'
 5'-Nucleotidase, 498'
 Nucleotides, 499*
- O
- Obesity: and fragilitas cutis ingu-
 inalis, 389
 Occlusive film, 501'
 Occupational acne, 386
 Ocular syphilis: (in monkey), 363
 Oculocerebral syndrome, 464'
 Oculocutaneous syndrome, 493'
 Onychomycosis, 311 ff., 483*
 morphology, 312
 nail extraction and griseofulvin,
 67
 Phyllostictina Sydow causing, 311
 Onycho-osteo-arthrodysplasia, 465'
 Oral (*See also* under Mouth)
 Oral contraception, 462*
 causing melasma, 127
 Osler's node: of bacterial endocar-
 ditis, 279
 Osmium, 497*
 Osteopoikilosis, 464*
 Otomycosis, 484*
 Overgrafts, 501'
 Oxygen, 503*
 tension, 499*
- P
- Paget's disease: intraepidermal fis-
 sures in, 210

- Palms keratoderma of, 148
- Pancreas
 carcinoma, and panniculitis of
 Weber-Christian disease, 401
 cystic fibrosis, 501^{*}, 502^{*}
 aldosterone and sweat electro-
 lytes, 444
- Panniculitis, 495^{*}
 of Weber-Christian disease in
 pancreatic carcinoma, 401
- Papain, 474^{*}
- Papillae regeneration dermal, in
 vibrissae (in rat), 306
- Papilloma, 469^{*}
- Papillomatosis oral, and squamous
 cell carcinoma, 186
- Paquidermoperiostosis, 464¹
- Paraben, 462^{*}
- Parakeratosis pustulosa, 367
- Paramyloidosis polyneuritic, 298
- Parapomiasis ulceronecrotic, with
 hyperthermia, 274
- Parkinsonism, 501^{*}
- Passive transfer tests: and skin
 tests, 117
- Patch test, 459¹, 461^{*}
 neomycin, 88
 positive, in children, 86
- Pellagra-like syndrome, 462^{*}
- Pemphigoid, 219 ff.
 bullous, 220 ff.
 autoantibodies in, 220
 basement zone antibodies in,
 221
 dermoepidermal junction in, 222
 esophageal mucosa in, 219
- Pemphigus, 225 ff., 474^{*}
 familial benign, and *Candida al-*
bicans, 227
vulgaris, 225 ff.
 "bound" complement in epider-
 mis in, 225
 mouth and skin, and intercellu-
 lar cement, 225
- Penethamate, 459^{*}
- Penicillamine, 455^{*}, 476^{*}
- Penicillin, 106 ff., 459^{*}, 463^{*}, 485^{*}-
 487^{*}
 allergenic residues in, 106
 allergy
 dermatomycosis and, 96
 immune responses to benzyl-
 penicillin and, 109
 benzylpenicillin (see Benzylpeni-
 cillin)
 G. hydriodide salt of, in sclero-
 derma, 262
 serum sickness-like reactions to,
 108
- Penile horn, 183
- Percutaneous absorption, 501^{*}
 mechanism of, 433
- Percutaneous penetration of corti-
 sol-C¹¹, 434
- Peroxy compounds, 473^{*}
- Peutz-Jeghers syndrome follow-up
 study, 156
- Phagocytosis, 473^{*}
 in lepromatous cell, 338
- Phenolformaldehyde, 460^{*}
- Phenols, 469^{*}
- Phenothiazine, 462^{*}
- Phenylalanine, 469^{*}
- Phenylketonuria skin and muscle
 indurations in, 299
- Phlebectasia, 465^{*}, 494^{*}
- Phosphatides, 468^{*}
- Phosphofructokinase, 498^{*}
- Phosphoglucose isomerase, 498^{*}
- Phosphomonoesterase, 498^{*}
- Phosphorus-32 in pigmented skin
 lesion diagnosis, 205
- Photoallergy, 464^{*}
 to fenticlor and multifungin, 141
- Photodermatitis, 463^{*}
 contact, 463^{*}
- Photography monochromatic ultra-
 violet, 452
- Photoleukomelanodermitis: due
 to benzothiadiazine, 131
- Photopatch test, 463^{*}
- Photosensitivity, 138 ff., 463^{*}, 464^{*}
 cyclamate and, 143
 furocoumarins and, 139
 patterns, in protoporphyria, 295
 porphyria and, 138
- Phototoxicity, drug, 464^{*}
 chlorpromazine and thioridazine,
 142
- Phrynoderma, 498^{*}
- Phycomycosis: subcutaneous, in
 South America, 314
- Phyllostictina Sydow: causing ony-
 chomycosis, 311
- Phytohemagglutinin, 502^{*}
- Phytophotodermatitis, 464^{*}
- Pigment
 -forming cell tumors and mast
 cells, 167
 iron, 482^{*}
 regulation of vitamin D biosyn-
 thesis, 52
- Pigmentary differentiation: gene
 control of, 46

- Pigmented skin
 epidermal dendritic cells in, 44
 lesions, P² in diagnosis of, 205
 Pineal body, 469
 Pinocytosis, 499
 Pinta, 460
 Pituitary: α -MSH in, 417
 Plasmacytoma, 471
 Plastics, 461
 Poison ivy, 458
 Polymorphous light eruptions, 460
 Polyneuropathy: familial amyloid, 298
 Polyposis, 465
 intestinal, and oral melanosis, 156
 Polyribosomes, 497
 Polysaccharides, 483
 Porokeratosis, 496
 Poroma folliculare, 469
 Porphyrin, 136 ff., 463, 479-481
 adult type, in child, 296
 cutanea tarda, 456
 pyridoxal-6-phosphate and iron level in, 294
 hemolysis with visible light in, 136
 photosensitivity and, 138
 Porphyrin, 479, 486
 excretion, in porphyria, 294
 Potassium iodide, 475
 Precancer, 468
 Pregnancy
 Candida and, 307
 melanoma and, malignant, 199
 Prekeratin epidermal, 410
 Procainamide, 476, 477
 Progesterone, 502
 Protein, 468, 474, 482, 485, 497
 L-chain, in lupus erythematosus and rheumatoid arthritis, 255
 synthesis, cell-free, 407
 Proteinosis, 479
 lipoid, viscera in, 297
 Protoporphyrin, 479, 480
 erythropoietic, photosensitivity in, 295
 Prurigo, 463
 actinic, 147
 nodularis Hydellike reaction to leech bite, 399
 Pseudoeurotium ovalis, 483
 Pseudomalignancies, 466
 Pseudosarcoma, 467
 Pseudoxanthoma elasticum, 493
 ultrastructure of elastic fibers in, 439
 Pseudoxanthomatous rheumatoid nodules, 269
 Psoralen, 139, 455, 456, 463
 Psoriasis, 233 ff., 243 ff., 456, 474, 475, 480, 499, 502
 arthritis and, in Egypt, 236
 bacteria and, 239
 cornification, acid phosphatase distribution in, 247
 electron beam therapy of, 80
 foci, healing and Cignolin, 245
 Ingram method for, 60
 Koebner phenomenon, 240
 mercury compound distribution in epidermis, 241
 methotrexate in, 234 ff.
 carbohydrate metabolism and, 235
 pustular, Zumbusch type, in children, 237
 standard stimulus effects in, 243
 steroids in, 233
 tryptophan and, 235
 Purpura, 462
 anaphylactoid, 478
 fulminans, 490
 hyperergica, HPF in, 276
 Pyoderma
 gangrenosum, 456, 457, 496
 myeloma and, 278
 moniliasis and γ M antibodies, 118
 Pyridoxal-5-phosphate: in porphyria, 294
 Pyrophosphatase, 498
 Pyruvate kinase, 496
- Q
- Quinine, 462
- R
- Radioautography. of norepinephrine-C¹⁴ in atopic dermatitis, 125
 Radiodermatitis, 469
 occupational, of fingers, 77
 Radioimmunologic study: of α -MSH, 417
 Radiotherapy (see Roentgenography, therapeutic)
 Radium ray therapy: gamma. in skin cancer, 83
 Radon contaminated gold jewelry: skin reactions to, 151
 Ragweed sensitivity, 459
 lymphocytes and immediate hypersensitivity, 101

- Rashes in viral diseases, 488^{*}
 Reactions (*see* Skin)
 Refsum's disease, 481^{*}
 Reiter protein complement-fixation test, 491^{*}
 Reticulohistiocytosis, 481^{*}
 Reticulosarcomatosis of skin, 214
 Reticulosis: malignant, of skin, 215
 Retinitis pigmentosa, 464^{*}
 Retinol, 479^{*}
 Retinopathy chloroquine, screening for, 129
 Rheumatic diseases, 475^{*}, 477^{*}
 Rheumatoid arthritis (*see* Arthritis)
 Rheumatoid factor: in lupus erythematosus, 257
 Rheumatoid factor-like substance, 485^{*}
 Rheumatoid nodules: pseudoxanthomatous, 269
 Rhinophyma, 468^{*}
 Ribonucleic acid, 497^{*}
 extract, and delayed hypersensitivity, 100
 Riminophanazine, 489^{*}
 Ringworm, 456^{*}, 484^{*}
 of scalp, due to *Trichophyton mentagrophytes*, 309
 Ritter von Rittershain-Lyell disease, 330
 RNA, 497^{*}
 extract, and delayed hypersensitivity, 100
 Roentgenography, 449 ff.
 skin, chromosome mutations of blood cells due to, 450
 therapeutic, 82 ff
 cancer, skin, 82
 melanoma, stage I, 82
 tinea capitis, 449
 ultra-soft x-rays, of plantar warts, 79
 Rosacea, 457^{*}
 gastrointestinal observations in, 403
 -like demodicidosis of eyelids, 352
 RPCF test, 491^{*}
- S
- Salicylanilides, 463^{*}
 Sandalwood oil, 464^{*}
 Sarcoidosis, 493^{*}-495^{*}
 Sarcoma: Kaposi's, 471^{*}, 472^{*}
 Scabies, 487^{*}, 488^{*}, 490^{*}
 Scalded skin syndrome, 492^{*}
 in children, 381
- Scalp
 necrobiosis lipoidica of, 284
 pustules due to *Corynebacterium acnes*, 333
 ringworm due to *Trichophyton mentagrophytes*, 309
 tricholemmoma of, 466^{*}
 Scar hypertrophic, 457^{*}
 Scholtz regimen: in dermatitis, 121
 Scleredema, 494^{*}
 Scleroderma, 261 ff, 475^{*}-477^{*}, 502^{*}
 acid-fast microorganisms and, 263
 hydriodide salt of penicillin G in, 262
 malabsorption in, 261
 Sclerosis, 477^{*}
 tuberous, 465^{*}
 Scrotum: angiokeratoma, 170
 Sebaceous gland, 496^{*}, 501^{*}, 502^{*}
 lipids of, 420
 suppression with eicosa-5, 8, 11, 14-tetraynoic acid, 441
 Sebum production, 65 ff
 estrogens and, conjugated equine, 66
 mestranol-chlormadinone and, 65
 Sensitivity
 ragweed, 459^{*}
 lymphocytes and immediate hypersensitivity, 101
 sensitizing effect of cobalt, 90
 skin, to benzylpenicillin, 107
 urticarial, 144
 Serotonin, 500^{*}
 Serum sickness-like reactions: to penicillin, 108
 Shwartzman phenomenon, 478^{*}
 Silver nitrate, 457^{*}
 Sjögren-Larsson syndrome, 268
 Sjögren's syndrome, 478^{*}
 Skin
 cancer (*see* Cancer)
 changes, and chlorpromazine, 128
 coral-red fluorescence of, 331
 cryogenic temperature studies, 74
 effects of desacetylmethylcolchicine, 242
 elastic fibers, electron microscopy of, 427
 epithelial outgrowths from, 41
 flora, 489^{*}
 grafts (*see* Grafts)
 indurations in phenylketonuria, 299
 lipid metabolism in, 424
 lymphocytic infiltration of, 397

- neural elements, lability of, 448
 pemphigus vulgaris, and intercellular cement, 225
 penetration, and transient diffusion, 433
 pigmented
 epidermal dendritic cells in, 44
 lesions, P² in diagnosis of, 205
 reactions, 102 ff.
 allergic, and inflammatory infiltrates, 103
 bone marrow as cell source in, 102
 to radon contaminated gold jewelry, 151
 reticulosarcomatosis of, 214
 reticulosis of, malignant, 215
 sensitivity, to benzylpenicillin, 107
 structure, 501*
 surface, short chain fatty acids of, 422
 tests, and passive transfer tests, 117
 total skin electron beam therapy, of lymphoma cutis and psoriasis, 80
 transparent, 405
 Smallpox, 488^r, 491^r
 diagnosis, and electron microscopy, 322
 vaccination complications, 457^r
 Sodium: transport, 501*
 Solar dermatosis, 146
 Spandex, 461*
 brassieres, causing dermatitis, 120
 Spectrometer, 497*
 Sphingolipidosis Sweeley-Klionsky (*see* Angiokeratoma corporis diffusum)
 Spiradenoma: eccrine, 468*
 Sporotrichosis, 485*
 Staphylococcus aureus: lysotypes of, 332
 Staphylogenous infection: significance of, 329
 Steroids, 457*
 in psoriasis, 233
 Stevens-Johnson's syndrome, 490^r
 Stratum corneum, 482*
 replacement, 501*
 turnover time estimation, 43
 Streptomycin, 486*
 Suction (*see* Blisters)
 Sulfhydryl, 463*, 472*
 Sulfones, 489*
 Sulfur, 498*
 Sulfur-35, 455
 Sun tanning, and tyrosinase inhibition, 50
 Sunlight, 463^r, 473^r
 Sunscreen, 457^r, 463^r
 Sweat
 electrolytes, and aldosterone, 444
 gland
 adenoma, 467
 cancer, 472
 immunologic studies, 112
 Sweating, 499^r, 502^r
 acetylcholine- and methacholine-induced, 443
 Syphilis, 356 ff., 476^r, 491^r
 early, cephaloidine in, 362
 false negative TPI test, 361
 false positives and FTA-ABS tests, 360
 fluorescent antibody tissue stain for Treponema pallidum in eye (in monkey), 364
 follow-up of neoarsphenamine bismuth in, 359
 immobilizing antibodies against Treponema pallidum in cerebrospinal fluid in, 358
 ocular and neurosyphilis (in monkey), 363
 serodiagnosis and therapy, 353
 seroresistant, TPI test, provocation and therapeutic influence, 356
 Syringoma: and eruptive hidradenoma, 162
- T
- Talc granuloma, 502*
 Talcum powder, causing boric acid intoxication, 126
 Tangier disease, 496*
 Tattoos, 456*
 Telangiectatic erythema and growth retardation, 153 ff.
 chromosome breakage and leukemia in, 154
 Tetracycline, 456^r, 457*
 Tetrahydrofolate-dependent enzymes, 246
 Tetrahydroxyquinone, 498*
 Thalidomide for leprosy, 73
 Thermal transients, 500*
 Thermometry, infrared, 500*
 Thesaurismosis lipoidica (*see* Angiokeratoma corporis diffusum)
 Thiabendazole: for chromoblastomycosis, 69

- Thionidazine phototoxic reaction due to, 142
- Thrombopenia. and giant hemangioma, 174
- Thymidine, 453
- Thymoma, 471
- Thymus, 476
- Ticks, 488
- Tinea
capitis
 griseofulvin for, 68
 radiotherapy of, 449
nigra, 483
pedis, 484, 486
versicolor, 457
- Tissue, connective, 467, 497, 500, 501
 disease, 476
- Tolnaftate evaluation, 60
- Tonofilaments: epithelial cell, periodic repeat units of, 34
- TPI (*see* Syphilis)
- Transparent skin, 405
- Transplantation, 461
 autologous, of basal cell carcinoma, in skin grafts, 208
 tumor-exchange, in inoperable melanoma, 202
- Treponema pallidum (*see* Syphilis)
- Triacetoxanthracene, 475
- Triamcinolone, 455, 456, 500
- Tri-aryl phosphates, 461
- Tricholemmoma of scalp, 466
- Trichophytin and lymphocytes, 98
- Trichophyton, 309 ff.
 keratinolytic activity of, 310
 mentagrophytes, 309 ff.
 scalp ringworm due to, 309
 rubrum infection, 485
- Trichorrhexis nodosa, 482
- Tritium: labeling betamethasone 17-valerate, 55
- Tryptophan, 478, 480
 psoriasis and, 235
- Tuberculin
 hypersensitivity, 459
 transfer by IgA (in guinea pig), 116
 sensitivity transfer in Hodgkin's disease, 217
 test, 458, 459
- Tuberculosis: pulmonary, 488
- Tumors
 benign, 466
 cells, study of skin reticulosarcomatosis, 214
 digital, 495
 epidermal, and urocanic acid, 411
 glomus, and blue rubber bleb nevus, 179
 hand, 466
 internal organ, and lichen ruber bullosus, 224
 melanocytes, 464
 α -MSH in, 417
 pigment-forming cell, and mast cells, 167
 tumor-exchange transplantation, in inoperable melanoma, 202
 tumorigenic cutaneous form of Waldenstrom's disease, 398
- Tyrosinase, 20, 47 ff, 454, 455
 definition, 24
 inhibition, sun tanning and albinism, 50
 inhibitor, in Fortner's malignant melanoma (in hamster), 49
 melanoma and (in mice), 207
 synthesis and distribution, 47
- Tyrosine, 469
- U
- Ulcer
 decubitus, 456
 face, 493
 of Meleney, 487
 parapsoriasis and, 274
 tropicaloid, 486
 ulceromutilating acropathy, 298
- Ultrastructure
 elastic fibers in pseudoxanthoma elasticum, 439
 epidermis of embryos, 35
 horny layer after dimethyl sulfoxide (in guinea pig), 429
 keratoacanthoma (in rabbit), 161
 lichen planus, 379
- Ultraviolet light, 454, 463, 464
 enzyme inactivation by, 51
 erythema due to, and aspirin, 140
 monochromatic ultraviolet photography, 452
 monochromatic wavelengths in solar spectrum, and erythema, 132
 producing melanoma in DMBA-induced "blue nevi" (in mice), 206
- Uremia, 481
- Urethane, 472
- Urethritis, 457, 487
- Uridine diphosphoglucose dehydrogenase, 197

- Urocanic acid, 411 ff.
 epidermal tumors and, 411
 metabolism and function (in guinea pig), 412
- Urticaria, 144 ff., 463*, 492*
 case review, 145
 pathogenesis of chronic types, 388
 pigmentosa, 494*, 501*, 502*
 quantitating urticarial skin sensitivity, 144
 solar, 475*

V

- Vaccinia virus: antagonism for wart virus, 323
- Varicella, 487*, 490^r
- Variotin, 456*
- Vasculitis, 270 ff., 478*
 allergic, 272, 478^r
 livedo, 271
 necrotizing, of glomus body, 279
 nodular, bacterial antigens, and gamma-globulin in, 270
- Vasoconstriction test: and corticosteroid potency, 56
- Vena cava syndrome: superior, 492*
- Venereal disease, 490*-492*
 in aged, 355
- Verrucae (*see* Warts)
- Verrucous hemangioma, 172
- Vesiculation, 474*
- Vessels: dermohypodermic alterations in diabetes, 283
- Vibrissae: dermal papillae regeneration in (in rat), 306
- Viruses, 323 ff.
 antagonism of vaccinia and wart viruses, 323
 diseases, and rashes, 488*
 hepatitis, and porphyria, in children, 296
 herpes simplex (*see* Herpes simplex)
 virus-like particles in muscle in acroscleroderma, 324
 wart, 487*
- Vitamin
 A, 469*, 498*
 acid, 467*
 alcohol, 479*

B₁₂, 454^r

D biosynthesis, pigment regulation of, 52

Vitiligo, 454*, 456*

Langerhans cells in, 366

Vulva: angiokeratoma, 169

W

Waldenström's disease: tumorigenic cutaneous form, 398

Warfarin-griseofulvin antagonism, 451

Wart

plantar, 473*

ultra-soft x-ray therapy of, 79
 virus, 487*

antagonism for vaccinia virus, 323

Wassermann reactions, 491*

Water

arseniasis from, 130

loss, transepidermal, measurement by electric hygrometry, 435

Wavelengths, 132 ff.

light tests and, in polymorphous light dermatosis, 134

monochromatic, of ultraviolet in solar spectrum, and erythema, 132

Weber-Christian syndrome, 493*

panniculitis of, in pancreatic carcinoma, 401

Wegener's granulomatosis, 455*, 494*

Wiskott-Aldrich syndrome, 374

Wood's light: in perilesional leukoderma, in metastatic melanoma, 201

Wounds

(*See also* Healing)

contraction, 502*

epithelialization, 503*

X

Xanthoma, 479*

Xanthomatosis, 480*

Xenon arc lamp, 464*

Xeroderma pigmentosum, 471*

X-ray (*see* Roentgenography)

XXYY genotype, 465*

INDEX TO AUTHORS

A

Abdel Fattah, A., 236
 Abe, Kaoru, 417
 Abele, Donald C., 39
 Abulafia, J., 378
 Achten, G., 192
 Ackerman, A. Bernard, 144, 186
 Ackerman, Lauren V., 165
 Adham, Mustafa I., 75
 Agache, P., 194
 Ager, Ernest A., 385
 Aguilar, Rodolfo, 342
 Albert, Roy E., 449
 Alonso Puertas, M. L., 336
 Amache, Nouhal, 97
 Aplas, V., 239
 Araki, Hisae, 131
 Ariel, Irving M., 198
 Ayres, Samuel, Jr., 121, 352
 Azar, Miguel M., 87
 Azoury, Faris J., 251
 Azulay, Elias, 344
 Azulay, R. D., 344
 Azulay, Rubem David, 351

B

Backman, A., 118
 Baden, Howard P., 411, 412
 Baer, R. L., 295
 Baer, Rudolf L., 108, 308, 449
 Baker, Harvey, 43, 435
 Balkuv, Sengun, 217
 Balows, Albert, 314
 Bandmann, H. J., 103
 Bando, Wakaba, 131
 Barber, Phoebe, 414
 Bard, James W., 271
 Barlow, K. A., 190
 Barnett, Roy N., 200
 Barrière, H., 174
 Barrow, Mark V., 396
 Bart, Robert S., 144, 158
 Basset, A., 197
 Baublis, Joseph V., 381
 Baumann, Robert R., 269
 Baumring, Ralph, 449
 Bazex, A., 372
 Beard, R. J., 403
 Bearn, Alexander G., 156
 Beattie, W. G., 184
 Beck, J. Swanson, 250
 Bedson, H. S., 322
 Belaich, S., 211
 Bell, A. J. Yates, 190
 Berdichesky, R., 378
 Berger, H., 242
 Bergmann, H., 329
 Berliner, David L., 438
 Berrens, L., 111

Besch, P. K., 301
 Beutner, Ernest H., 221
 Beyer, H., 84
 Biagini, Roberto E., 130
 Bianchi, C., 272
 Bianchi, O., 272
 Bicks, Richard O., 87
 Bierman, Stanley M., 80
 Bingham, R. E., 38
 Bittencourt, Achiléa L., 149
 Black, S. H., 327, 335
 Blackwell, J. B., 208
 Blair, John D., 258
 Blank, F., 309
 Blavlock, W. Kenneth, 123
 Block, Jerome B., 343
 Bloom, David, 154
 Blum, G., 96
 Blumenthal, George, 221
 Bodian, Eugene L., 373
 Bogojević, J., 332
 Bolgert, M., 76
 Boot, P. A., 355
 Borsuk, Gregory M., 163
 Boschikowa, A., 307
 Bottoms, Eva, 404
 Boyle, William, 232
 Bradford, Lynda L., 360
 Bradley, Roy M., 291
 Brady, Roscoe O., 291
 Brandis, H., 332
 Brandis, J., 122
 Brandis, U., 122
 Brauer, Earle W., 449
 Braun-Falco, O., 181, 203, 214, 220, 247, 399
 Bravo R., Cesar, 314
 Briggaman, Robert A., 39
 Brown, David C., 318
 Brown, Irene V., 207
 Brown, Jack, 366
 Buck, A., 136
 Bullough, W. S., 413
 Burbach, J. P. E., 135
 Bureau, B., 174
 Bureau, Y., 174
 Bureau, Yves, 62
 Burk, Peter G., 416
 Burman, David, 177
 Burnett, Jean B., 207
 Burns, Robert A., 227
 Burns, Robert E., 331
 Burry, John N., 141
 Butler, Joan, 55

C

Camain, R., 197
 Campbell, Patricia C., 200
 Canby, Charles M., 310
 Canet, J., 383
 Cantin, Jacques, 196
 Cantwell, Alan R., Jr., 263

Caplan, Richard M., 297
 Caputo, Armando, 147
 Carney, S. A., 405
 Carr, R. I., 254
 Carr, Richard D., 58
 Carter, C., 377
 Carter, D. Martin, 348
 Casala, A. M., 272
 Catalano, Philip M., 451
 Chaglassian, H. T., 60
 Chassagne, D., 84
 Chian, Lucia T. Y., 50
 Chierigato, G. C., 260
 Chin, Tom D. Y., 385
 Chorzelski, T., 220
 Chorzelski, T. P., 226
 Christian, Charles L., 256
 Christol, B., 372
 Christophers, E., 220
 Church, C. Franklin, 416
 Civatte, J., 210
 Clark, M. L., 403
 Clark, Wallace H., 277
 Cliff, Ivan S., 261
 Cochrane, T., 305
 Cohen, Noel C., 449
 Cohen, T. M., 377
 Colvin, William S., 396
 Consbruch, U., 294
 Constantine, Anthony B., 280
 Convit, J., 73
 Cordelle, Frank H., 407
 Cormane, R. H., 225
 Cortese, Thomas A., Jr., 228
 Cott, Robert E., 348
 Coumel, Philippe, 249
 Coupe, R. L., 376
 Craggs, Eugenia, 263
 Cramer, H. J., 168
 Crevelier, Alain, 249
 Cripps, D. J., 138
 Crouse, Robert G., 410
 Croydon, E. A. P., 107
 Cruickshank, J. G., 322
 Cullen, Stanley I., 451
 Cummings, Charles E., 215

D

Dabrowska, H., 278
 Danes, B. Shannon, 156
 Daniel, F., 274
 Day, Jack L., 429
 Deane, Gladstone, 344
 Debelić, M., 95
 Decker, Richard H., 415
 Degos, R., 211, 274
 de Graciansky, P., 401
 De Groot, W. P., 287
 Demis, D. J., 441
 Demis, D. Joseph, 261
 Denk, R., 282
 Derbes, Vincent J., 251
 de Sablet, M., 179

de Weck, A. L., 96
 Dhople A M, 349
 Diaz, J, 378
 Diaz G, Constanza, 314
 DiBella, Richard J., 35,
 163, 427
 Dicken, Charles H, 415
 di Sant'Agnes, Paul A,
 444
 Donald, G F, 370
 Dove, David C, 449
 Dowling, G B, 284
 Dreize, M. A, 426
 Dube, B, 341
 Duchon, Jiri, 6
 Dufourmentel, C., 193,
 199
 Duncan, W C., 152
 Duncan, W. Christopher,
 78
 Dunham, Wolcott G, 87
 Duperrat, B., 274
 Dupré, A, 372
 Durand, Agnès, 283
 Durand, Max, 283
 Duthie, M. B, 205

E

Earnshaw, E R., 129
 Echevarria, René, 165
 Ehrmann, G, 356
 Eichenberger-de Beer, H.,
 60
 Eisenberg, Henry, 200
 El Din Bahgat, N., 236
 Elgjo, K., 413
 Ellison, Emily Maloney,
 318
 Enta, Thomas, 219
 Epstein, J H, 206
 Epstein, W L, 206, 292
 Epstein, Wallace V, 255
 Epstein, William L., 409
 Essenfled-Yahr, Ervin,
 350
 Esteves, Juvenal, 266
 Evans, A. D, 320
 Evans, Jean, 37
 Even-Paz, Z, 389

F

Farah, F S, 60
 Farber, Eugene M, 57
 Fauchier, A, 383
 Feldmann, Robert J, 434
 Fellner, Michael J, 108,
 109
 Fine, I Howard, 407
 Finzi, Aldo F, 246
 Fisher, Isadore, 180
 Fisher, J. Prochazka, 406
 Fishman, Leonard, 228
 Fitzpatrick, Thomas B, 6
 Flarer, F, 260
 Flaxman, B A., 42
 Fleischer, Norman, 417
 Folk, Robert L., 301
 Foroozan, Parviz, 219
 Fraga-Mourel, Antonio,
 382
 Freedberg, Irwin M., 407

Freeman, Robert G., 78,
 132, 152
 Friedman-Kien, Alvin E.,
 40
 Frithz, A, 241
 Fromer, John L, 74
 Frost, Phillip, 375
 Fry, Lionel, 234, 379
 Fudenberg, H., 292
 Fukuyama, Kimie, 409
 Fuller, Earl W, 123
 Furcolow, Michael L, 314
 Futterweit, Walter, 63

G

Gajdos, A, 296
 Gal, Andrew E., 291
 Galakatos, E., 441
 Ganor, S., 389
 Gartmann, Heinz, 202
 Gay-Prieto, J., 336
 Georgouras, Katherine,
 332
 German, James, 154
 Gip, Lennart, 311
 Glasgow, Robert, 201
 Glicenstein, J., 193, 199
 Goldman, Leon, 53, 201
 Goldstein, Norman, 126
 González, Gabino, 336
 González-Mendoza,
 Amado, 382
 González-Ochoa, A., 362
 Gordon, Bernard I., 443
 Gordon, D., 189
 Gotz, H., 98
 Grand, Richard J., 444
 Greenblatt, R. B, 64
 Greer, Donald L, 314
 Greer, James E, 331
 Griboff, Solomon I., 63
 Griffin, T B, 445, 446
 Griffiths, Cadvan Owen,
 Jr., 105
 Grignani, Fausto, 246
 Grinspan, D., 378
 Grollman, J. H., Jr., 80
 Gronemeyer, W, 95
 Gross, Bernard G, 35
 Groth, Ove, 233
 Gumarães, Newton A.,
 149
 Gum, Oren B, 251

H

Haagsma, F. M, 359
 Hackett, Raymond L,
 396
 Hale, William L, 221
 Halpern, Bernard, 97
 Halprin, Joan, 414
 Halprin, Kenneth M,
 235, 414
 Hamwi, George J., 301
 Hanauer, Lonnie B., 256
 Hanušová, Světa, 312,
 313
 Harber, L. C., 295
 Harley, John, 151
 Harrell, E Richard, 381
 Harris, Edward D, 418

Harris, Samuel R., 39
 Hashimoto, Ken, 35, 162,
 225, 427, 432, 437
 Hassan, Abdul A., 183
 Haynes, Harley A., 216
 Hazard, Jean, 97
 Heaton, Charles L., 78,
 152
 Heitmann, H. J., 98, 99,
 450
 Helwig, Elson B, 166,
 169, 170, 171, 172, 187
 Herber, Rav, 261
 Herrmann, F, 332
 Hidano, Akira, 436
 Hiltermann, W., 86
 Hjorth, N., 320
 Hjorth, Niels, 88, 367
 Holubar, K, 212, 213
 Holz, U., 240
 Holzmann, H., 282
 Hopper, James, Jr, 289
 Horns, John, 80
 Hosseinian, Abdol H., 280
 Hsia, S L., 424, 426
 Huang, Shao-Nan, 439
 Hudson, H. T., 132
 Hukill, Peter B, 200
 Hunter, G A., 370
 Huriez, Cl., 194

I

Igelman, Jon M., 53
 Illig, L., 240
 Imperial, Roland, 169,
 170, 171, 172
 Island, Donald P., 417
 Isselbacher, Kurt J., 277
 Itakura, Hideko, 51
 Iversen, O. H., 413

J

Jablonska, S, 276, 278,
 299
 Jackson, Robert, 184
 Jacobi, H., 237
 James, K., 292
 Janner, M., 265
 Jarrett, A., 243
 Jillson, Otis Field, 119
 Johnson, F. R., 379
 Johnson, Waine C., 187
 Jones, E. Wilson, 284
 Jones, Henry E., 251
 Jordan, Robert E, 221
 Joseph, Herbert L., 120
 Juel-Jensen, B. E, 316
 Juhlin, Lennart, 233

K

Kalinowska, J., 276
 Kalkoff, K. W., 136
 Kallman, Frances, 37
 Kaplan, Melvin H, 258
 Karasek, Marvin A., 40
 Kaufman, Herbert E., 318
 Kellum, Robert E., 420,
 422
 Kennedy, Lofton, 429

Kerdel-Vegas, Francisco, 160, 350
 Kustala, U, 229, 231, 421
 Kitzmiller, K William, 53
 Kligman, Albert M, 43, 92, 93, 94, 435, 447
 Klostermann, G F, 156
 Knox, John M, 78, 132
 Knudsen, E. T, 107
 Kobayasi, T, 222
 Koblenzer, Peter J, 309, 330
 Kobori, Tatsuji, 131
 Kocsard, E, 368
 Koffler, David, 259
 Kok, S H, 390
 Koljonen, M., 421
 Kompmann, Mario, 67
 Kopp, H, 79, 320
 Korhonen, Paavo, 452
 Kouvalainen, K, 118
 Kreye, George M., 381
 Kudejko, J, 324
 Kumar, Ganraj, 439
 Kunkel, H. G., 254
 Kunkel, Henry G, 259
 Kurban, A. K., 60
 Kwok, M, 403
 Ky, N. T., 97

L

Ladner, H-A, 294
 Lagache, G., 194
 Lagerholm, B, 241
 Lagrot, F, 77
 Lagrue, Gilbert, 97
 Lamberg, Stanford I, 143
 Landau, Joseph W, 153
 Lane, Barry, 424
 Langner, A., 181
 Lantis, Larry R., 186
 Lassus, Allan, 257
 Laster, Leonard, 291
 Laurence, E. B, 413
 Lauret, Ph, 210
 Lawrence, J. C., 405
 Lee, John C, 289
 Lefkovits, Albert M, 236
 Leibiger, C, 237
 Leikola, E, 421
 Leopold, Howard C., 101
 Leperre, B, 194
 Leslie, G., 393
 Le Sourd, M, 76
 Lessard, Raymond J., 430
 Leupen, M. J., 113
 Lever, Walter F., 35, 163, 221, 225, 437
 Levine, Bernard B, 109, 117
 Levytska, Vera, 109
 Liddle, Grant W., 417
 Lidén, Sture, 104, 116
 Liebhaber, Harvey, 40
 Lindlar, F., 401
 Lindsay, Philip G., 303
 Litoux, P., 174
 Livingood, Clarence S., 331, 394
 Livingston, Kenneth E., 159
 Londoño, Fabio, 147, 386

Loomis, W. Farnsworth, 52
 Lopez M, Roberto, 314
 Lopresti, Philip S, 309
 Lorenc, Ernest, 83
 Lowe, Luther B, Jr, 223
 Lowney, Edmund D, 381
 Lubaroff, David M, 102
 Luther, Jerry, 87
 Lutzner, M A, 42
 Lyklema, A W, 113

M

McBride, Mollie E, 327
 McBride, William P, 126
 MacCallum, F. O, 316
 McClellan, James T, 314
 McComb, Harold, 208
 McConkey, B, 405
 Macfarlane, P S, 397
 McGee, Andrew R, 323
 McHugh, J G., 355
 McHugh, M. J, 205
 McIntosh, John S, 142
 McKenzie, Albert R, 381
 Mackenzie, L A., 205
 Mackenzie-van der Noor-
 daa, M. C, 359
 McMinn, R M. H, 234
 McNeer, Gordon, 196
 Macotela-Ruiz, Ernesto, 382
 Magnus, I A., 138
 Magnusson, B., 224
 Mahesh, V B, 64
 Mahloudji, Mohsen, 159
 Maibach, Howard I., 120, 333, 434, 443, 446
 Malak, J. A, 60
 Mansell, Peter W. A, 177
 Marghescu, S, 399
 Marks, J, 282
 Marks, R, 403
 Marquez, M. C., 426
 Marshall, J, 390
 Martelli, Massimo F, 246
 Martensson, Erik, 291
 Mascaro, J. M, 179, 383
 Mechie, A. M, 355
 Mehregan, Amir H., 394
 Menges, Robert W, 314
 Michaëlsson, Gerd, 233
 Mihan, Richard, 121, 352
 Mikhail, George, 331
 Milam, D. Franklin, 183
 Miles, D. W., 129
 Miles, W. J., 295
 Miller, W. Stacy, 140
 Milon, Charles F., 101
 Mintz, Beatrice, 46
 Misgeld, V, 401
 Mishima, Yutaka, 49
 Mitchell, R. E., 146
 Mittler, Brant, 411
 Montes, Leopoldo F., 327, 335, 429
 Moreno, J. B, 362
 Morgan, J. E., 80
 Morgenroth, A., 332
 Morrill, Sonia, 40, 449
 Morrison, N E, 349

Morsches, B, 282
 Mouly, R, 193, 199
 Mraz, John Paul, 273
 Muftuoglu, Asuman U, 217
 Muir E G., 190
 Muller, E, 86
 Muller, F, 358
 Muller, I, 329
 Musajo, L, 139
 Mustakallio, K. K., 229, 231, 421
 Mustakallio, Kimmo K, 257, 452
 Muvdi, Fuad, 147

N

Nadler, Norman J, 125
 Nakai, T, 206
 Neri, A., 301
 Newcomer, Victor D., 153, 273
 Newhouse, M L, 387
 Nicholson, Wendell E, 417
 Nieminen, Elna, 421
 Nordschow, Carleton D, 438
 Norins, Leslie C, 353
 Norman, Amos, 153
 Novales, Josefa, 342

O

Ofner, F., 368
 Ohkawara, Akira, 235, 414
 Ohkido, Muneo, 419
 Ohlenschlaeger, K., 262
 Ohman, Sven, 233
 Olansky, Sidney, 353
 Oliver, R. F, 306
 Omieczynski, Daniel T., 227
 Omran, Abdel R, 449
 Opromolla, Diltor V A, 70
 Orfanos, C, 398
 Orfanos, Constantin, 338
 Orkin, Milton, 180
 Orteza, Arsenio M, 183
 Ottoman, Richard E., 80
 Owens, Donald W., 132

P

Page, C. O'Neal, Jr., 112
 Palacios, Jaime, 123
 Paldrok, Heiti, 311
 Palese, D, 378
 Pallavicini, J. Charles, 444
 Papa, Christopher M., 447
 Paraf, A, 401
 Parish, W E., 270
 Parker, John O., 439
 Pathak, Madhu A., 411, 412
 Pawlowski, A., 448
 Pearson, D., 205
 Petres, J, 242, 294

Petti, John H S., 71
 Petzoldt, D., 203, 214
 Peyakovich, Paul S., 228
 Pfeleger, L., 212, 213
 Phillips, C Alan, 327
 Pickar, Daniel, 314
 Pierce, Lawrence E., 280
 Pierquin, B., 84
 Piñol-Aquadé, J., 163
 Plainfossé, B., 296
 Pochi, Peter E., 65, 66, 441
 Poiares Baptista, A., 298
 Poland, Jack D., 385
 Porter, Michael J., 268
 Prabhakaran, K., 345, 346
 Pritchard, J. G., 355
 Prose, Philip H., 40
 Provost, Thomas T., 119
 Prutkin, L., 161
 Puissant, A., 383
 Pumphrey, Robert E., 158
 Putkonen, Tauno, 257

R

Racz, I., 90
 Rae, Angus I., 289
 Raffle, Edmund J., 404
 Ramos-Silva, J., 148
 Rassner, G., 214
 Rebell, Gerbert, 68
 Redmond, Anthony P., 109, 117
 Reed, Richard J., 215
 Reed, W B., 377
 Reed, William B., 227
 Rees, R J W., 71
 Rehtijärvi, Katri, 118
 Reid, J., 243
 Remington, Jack S., 112
 Resnick, Michael I., 198
 Resnik, Sorrel, 127
 Restrepo M., Angela, 314
 Reymann, F., 79
 Rhodes, E. L., 270
 Richfield, Robert, 201
 Ricketts, C. R., 405
 Riley, P A., 44, 45, 47
 Rimington, C., 138
 Roberts, Richard B., 326
 Robertson, W B., 403
 Robinson, O P W., 107
 Robledo V., Mario, 314
 Rocha, Alberto, 344
 Rock, H., 86
 Rodighiero, G., 139
 Rodrigo, F Guerra, 266
 Rodríguez, Obdulia, 342
 Rodríguez, Rafael, 147
 Rohde, B., 265
 Ronchese, Francesco, 185
 Rook, Arthur, 160
 Rorsman, H., 231, 295
 Rosenberg, E. William, 87
 Rosenthal, Stanley A., 308
 Rosett, Theodore, 232, 416, 419
 Rothfield, Naomi F., 253
 Rothman, Ulf, 116
 Rowell, N. R., 250
 Ruderman, Frank R., 140

Rueda, Luis A., 147
 Ruhmann, Ann G., 438
 Ruiter, M., 285, 286
 Rupec, M., 247
 Ryan, E. A., 138
 Ryves, Samuel E., 101
 Rzcasa, G., 276

S

Salgado, Ubirajara, 351
 Saliba, Alexander, 314
 Sall, Theodore, 348
 Samitz, M. H., 186
 Sasaki, M S., 153
 Satanove, Abraham, 142
 Satoh, Geraldine J. Zdybek, 49
 Saúl, Amado, 342
 Sawitsky, Arthur, 154
 Schaulow, I., 307
 Scheidegger, Jurg Peter, 124
 Scheuplein, Robert J., 433
 Schmidt, Herbert, 449
 Schneiderman, J., 378
 Schrader, William A., 166
 Schroder, K., 294
 Schulz, Robert, 449
 Schur, P H., 254
 Schur, Peter H., 259
 Schutz, Rita, 91
 Schwartz, Oscar D., 394
 Sehgal, V. N., 341
 Senii, Makoto, 6, 51, 436
 Seiler, Hans, 207
 Selmanowitz, Victor J., 268
 Seringe, Ph., 296
 Severin, Gerald L., 57
 Shegaren, John N., 343
 Shehadeh, N. H., 60
 Shelley, Walter B., 317
 Sheskin, J., 73
 Shuster, J., 292
 Shuster, S., 282
 Shuster, Sam, 404
 Silvers, Willys K., 38
 Silverstone, H., 189
 Simon, Norman, 151
 Simonart, J., 192
 Sims, R. T., 302
 Sjoerdsma, Albert, 418
 Skipworth, George B., 126
 Skog, Erik, 114
 Slama, Robert, 249
 Smith, J. Graham, 140, 416
 Smith, J. Graham, Jr., 232, 419
 Smith, J. Lawton, 361, 363, 364
 Snanoudj, Sylvain, 249
 Sofer, Gail, 424
 Solano, A Elfrén, 69
 Solomon, Lawrence M., 125
 Sommerville, R G., 397
 Somogyi, Z., 90
 Soots, G., 194
 Spaeth, George Link, 248
 Spassowa, P., 307
 Speirs, A. I., 397

Spieksma, F. Th M., 113
 Spier, H. W., 122
 Spiera, Harry, 236
 Stachow, A., 278, 299
 Stankler, L., 305, 393
 Steele, Howard D., 439
 Steigleder, G K., 398
 Steigleder, Gerd Klaus, 167
 Stewart, Gordon T., 106
 Stewart, T. W., 129
 Stollar, B. David, 253
 Storck, M. H., 82
 Strauss, John S., 65, 66, 441
 Stringa, S G., 272
 Strole, W. E., Jr., 277
 Suffczynska, M., 299
 Sullivan, Robert D., 74
 Sulzberger, M. B., 445, 446
 Sulzberger, Marion B., 228
 Sunderman, F. William, 396
 Svec, Kathryn H., 258
 Sviokla, Sylvester, 411
 Swatek, Frank, 263
 Swatek, Frank E., 227

T

Takaki, Yasunobu, 436
 Talamo, Richard C., 444
 Tan, E. M., 254
 Tan, Eng M., 252
 Tan, Margaret, 255
 Taplin, David, 68
 Tappeiner, J., 212, 213
 Tarnowski, William M., 432, 437
 Tas, J., 145
 Taugner, Maria, 91
 Tees, E. C., 108
 Theune, Joachim, 245
 Thiers Pinto, J., 344
 Thomsen, Kristian, 88, 367
 Thor, Daniel E., 100
 Timsit, Ed., 401
 Tissot, J., 262
 Toda, Kiyoshi, 131
 Tonato, Maurizio, 246
 Torrinha, J Fleming, 266
 Touraine, R., 211
 Trautman, John R., 343
 Trier, Jerry S., 219
 Trincão, R., 298
 Tritzsch, Helmut, 202
 Truax, Hollis, 200
 Tuffanelli, Denny L., 360
 Tuli, S. M., 341

V

Vachon, N., 211
 Valér, M., 90
 van Mullem, P. J., 285
 Van Scott, E. J., 42
 Van Scott, Eugene J., 216, 375
 Varekamp, H., 113
 Verhagen, A. R. H. B., 134, 135

Villapol, L., 378
 Vogel, Ch., 176
 Vogell, W., 214
 von Gemmingen, George
 R., 279
 Voorhorst, R., 113
 Vorys, N., 301
 Voss, Howard E., 109

W

Waddington, Eric, 320
 Wager, Odd, 257
 Waksman, Byron H., 102
 Waldorf, Donald S., 216,
 343
 Walton, K. W., 405
 Wand, Charlotte J., 429
 Warin, Robert P., 177
 Warshaw, Andrew L., 291
 Watson, D. H., 322
 Watt, Thomas L., 269
 Weary, Peyton E., 310
 Weber, H. W., 390
 Weddell, G., 448

Weinstein, Gerald D., 375
 Wells, G. C., 159
 Wells, John A., 363, 364
 Wernsdorfer, R., 388
 Wessells, Norman K., 34,
 37
 Wheeler, Clayton E., Jr.,
 39
 Whiting, D. A., 61
 Whitman, Erwin N., 441
 Wieland, Ralph G., 58,
 301
 Wiley, H. S., 445
 Wiley, Hugh S., 228
 Wilgram, George F., 50
 Williamson, George S.,
 184
 Wilson, J. Walter, 263
 Wilson, Robert G., 201
 Wilson-Jones, E., 159
 Winkelmann, R. K., 271,
 279, 366, 430, 431
 Winship, Daniel H., 219
 Witebsky, Ernest, 221
 Wodniansky, P., 293
 Wohlrab, Wolfgang, 245

Wolff, James A., 374
 Wolff, K., 212, 213
 Wolff, Klaus, 366, 430,
 431
 Wood, Ronald M., 360
 Wooldridge, Wilfred E.,
 83
 Wuepper, Kirk D., 360

Y

Yardley, Harold, 419
 Yardley, Harold J., 232
 Young, J. A., 160

Z

Zacarian, Setrag A., 75
 Zaias, Nardo, 68
 Zarate, A., 64
 Zaun, H., 56
 Zelickson, Alvin S., 128
 Zimmerman, Erwin H.,
 54

