Index
Index

Abyholm, F. E., 719
Acland, R. D., 374
Acoustic analysis of speech, 985
Adams, A., 685
Adams, R. M., 891
Adamson, J. E., 185, 315, 486
Addison, O. L., 186
Adenoidectomy
and ear disease, 132–133
speech defect after, 726–727,
772, 799, 801
Adenoids, 36
growth and development of,
75–77
Adenwalla, H. S., 438
Adhesion methods
lateral, for large pharynx, 613
for lip closure, 246–247
primary velopharyngeal, 649–650
Adisman, I. K., 160, 885–886
Adler, E. A., 910–911
Aduss, H.
on arch forms and nasal cavity
width, 98
on arch forms after surgery, 88,
90
on growth after surgery, 70, 71,
73
on mandibular prognatism,
898
on nasal chambers, 88
on presurgical orthopedics, 282
on results of conservative sur-
gery, 380–382
on results of early bone graft-
ing, 337, 348–349
on team approach in habilita-
tion, 1021
Aerodynamics, of velopharyngeal
orifice, 987–1005
Africa, Flying Doctors Service in,
1057–1058
Agnew, division of palatal mus-
cles, 498
Air escape, nasal, measurement of,
985
Airway complications, in pharyn-
geal flap surgery, 690, 691
Albertengo, A., 404–405
Alcock, T., 175
Alhopuro, S., 370, 371
Allen, R., 1045
Alley, N., 1020
Alt, A., 121
Altamirano, J. T., 817–818
Alveolar flap, interdigitating, 289–
290
in bilateral clefts, 294–295
Analogue, palate, 986–987
Anatomy, 19–50
and aponeurosis in cleft palate,
29–33
blood supply to palate, 41–46
bony skeleton, 19–20
of Eustachian tube, 37–40
modern research in, 26–28
musculature, 20–26
in cleft palate, 28, 497–523
in normal palate, 27–28
pharyngeal, 33–36
of nasopharynx, 36–37
nerve supply, 47–50
Anatomy—Continued
and Passavant’s pad, 383–389
Andersen, H., 9
Anderson, H., 1020
Andræ, A., 739
Anesthesia
in cleft lip, 141–142
in cleft palate, 142–144
endotracheal, 148–152
by Freeman, 155–157
by MacMahon, 152–155
and position of patients, 144–145
Angle, E. H., 897, 903
Animal models of cleft palate, 6–7
Annandale, T., 499
Antisocial behavior, and physical defects, 1043–1045
Apert’s syndrome, 942–943
Aponeurosis, palatine, in cleft palate, 29–33
Aram, A., 887
Aramany, M., 879
Arch forms
and nasal cavity width, 98
surgery affecting, 88–93
Ardran, G. M., 388, 710
Arm flaps, 838–839
Armstrong, B. W., 122
Arnander, C., 307, 308
Arnold, G. E., 870
Aronson, A. E., 728
Aschan, G., 132
Aschan, P. E., 856
Auditory tube. See Eustachian tube
Aufricht, G., 238, 675
Austin, A. A., 522
Avery, J. K., 143, 183, 498
Axhausen, G.
bone grafting of, 299, 302, 311
division of neurovascular bundles, 469
maxillary surgery of, 934
operative technique of, 190
criticism by Veau, 421
on timing of surgery, 689, 733
training of Ernst, 501
tube pedicles of, 845
Ayre, P., 150–151, 1052
Azygos uvulus muscle, 31–33, 510
Azzan, N. A., 32

Babcock, W. W., 355, 912
Bäckdahl, M., 306, 307
Baggerman, E., 510
Bakes, F. P., 728
Balber, G., 535, 1020
Ballenger, on deafness with cleft palate, 121
Bar-David, D., 699–700
Bardeleben, A. von, 219, 251
Bardenheuer, B., 615, 831, 836–837
Bariana, G., 378
Barnes, M., 1000
Barr, B., 307, 308
Barrett, B. M., Jr., 368
Barron, J., 850
Barry, A., 6
Bassini, E., 146
Battle, R. J. V., 734
Baumgartner, P., 340
Baxter, H., 436, 464, 475–477, 528
Baylin, G. J., 712
Bean, R., 3
Beery, Q., 127, 131
Beethoven, L., 1042
Behrman, S. J., 923
Ben-Bassat, M., follow-up of Langenbeck closures, 194
Bennett, J. P., 559
Bennett, M., 131
Bensen, J. F., 538, 587, 772, 778, 1007, 1008, 1021
evaluation of speech, 982–984
on speech therapy, 1032–1035
Bentley, F. H., 867
Berard, L., 909
Berger, J. C., 41
Berger, P., 909
de Bergerac, Cyrano, 1042
Bergstrom, L., 126

1168
Berkeley, W. T., 845–846
Berkman, M. D., 810–811
Berkowitz, S., 875, 1021

evaluation of island flap, 596–599

evaluation of Millard patients, 754–755, 756, 757, 759, 764, 765, 766, 770, 772, 775, 777, 796, 797

evaluation of velopharyngeal function, 994–995

on facial growth, 70, 104
on maxillary correction, 944
on prosthetic therapy, 887–888
on results with Latham device, 292, 296–297, 298

studies of clefts, 80, 81–93
use of optical profilometer, 120
vitalium splint of, 931

Bernes, A., 830
Bernstein, L., 690, 737–738, 809
Berry, J., 1052

on anesthesia, 144, 145
criticism of myotomies, 499
on maxillary compression by wiring, 225, 227

opinion of Lane procedure, 198
treatment of premaxilla, 217

Bess, F., 138
Bethmann, W., 689
Bevin, A. G., 563
Beziers, operative technique of, 173

Bichat, X., 215
Biebendt, A., 985

Bilateral clefts
and deleterious effect on non-physiological surgery, 115–118

palatal growth in, 108
profile in, 104–113
and protrusion of premaxilla, 100

and timing of surgery, 739, 743
treatment with Latham method, 292–298

Billingman, R. E., on growth and development, 57

Billroth, T.
on cleft palate speech, 1023
fracture of hamular process, 499
operative procedure of, 187–189
on spontaneous closure of clefts, 707
on uranoplasty, 204
use of Langenbeck technique, 184

Bingham, H., 122, 648
Bishara, S., 63
Björk, L., 359, 627–628, 984

Blackfield, H. M.
on failure of surgical closure, 809
on height of pharyngeal flap base, 636
middle third nasal turnback flap, 622
on pharyngeal flaps, 695, 697

Blair, V. P.
Blair/Brown operation, 191
on Brophy maxillary compression, 228
cheek flaps of, 825–826
horizontal osteotomy of mandibular ramus, 911–912, 913
lengthening of uvula, 394
mandibular ostectomy of, 903
maxillary compression by wiring, 226–227, 228
neck flap of, 837
on position of patient, 145
results of surgery, 59, 60
Sarnat as assistant to, 53
training of Padgett, 615, 838, 843
treatment of premaxilla, 217

Blakeley, R. W., 889–891
Blandin, P., 219, 529
Blasius, E., 836
Blocker, T. G., 191–192, 348, 722
Blocksma, R.
on base of pharyngeal flap, 635
evaluation of island flap, 594
follow-up of Langenbeck closures, 194
Blocksmma, R.—Continued
missionary surgery of, 1058
retropharyngeal implants of silicone, 869–870
on timing of surgery, 243–245
on unoperated clefts, 63
Blood supply, to palate, 41–46
Bloom, M., 464–465
Bloomer, A., 728
Bloomer, H. H., 609–611
Blount, W., 211
Bluestone, C. D., 124, 125, 127, 131, 871
Bollert, J. A., 11
Bom, A., 267
Bone flaps, 205–214
Bone grafting
and biology of grafts, 331–332
boneless. See Periosteal flaps
choice of bone in, 325–327
ilium, 300, 301, 308, 316, 326–327
prevomerine, 317
skull, 327
tibia, 301, 327
vomer, 327
carly, maxillary, 299–324
and adaptation of transplant, 303–304
criticisms of, 333–347
and prostheses by Rosenstein, 318–319, 320
and tooth eruption into graft, 328, 329, 330
and transplantation of teeth, 307–308
for velum clefts, 310–311
and factors in survival of graft, 331–332
and fate of grafts, 328–330
in fistula closure, 822–823
at five years, 347–349
in interpterygomaxillary space, 938, 943
late, after rapid expansion, 350–352
present stand on, 353
and substitutes for bone, 332
at twelve years, 353
Bonfils, J. F., 195, 485
Bony skeleton of palate, 19–20
Boo-Chai, K., 1049
Booker, B., 414–415
Borden, G. H., 67
Borel, Mlle. 421, 422
Borel-Maisonny, S., 386, 734, 992, 1006
Borghouts, J. M. H., 611
Borowiecki, B., 691
Bosma, J. F., 48
Botey, R., 709
Bourdet, B., 879
Bowers, D. G., 823
Bradely, D., 563
Braden, T. D., 573
Brahms, J., 188
Braithwaite, F.
on anatomy of palate, 22, 23
approach to muscles in cleft palate, 214, 505–509
comparison of McIndoe and Gillies, 847
dissection in space of Ernst, 501
on muscular mechanisms in speech, 503, 505
operative techniques of, 1024–1025
pharyngeal flaps of, 686
speech pathologist for, 735
on timing of surgery, 734
training of Williams, 572
Bralley, R., 975
Braly, S., 869
Brandt, L., 400
Bransfield, J., 458, 464, 476, 477, 528
Brash, J. C., 52
Brauer, R. O., 314–315, 483, 874–875, 984
Brenner, J., 692, 810
Brenner, L., 714–715
Broadbent, B. H., 52, 916
Broadbent, T. R., 645, 663, 664, 679
on dynamic pharyngeal flap, 664
on plastic surgery for prisoners, 1044
on results of mandibular surgery, 929
on sectioning of neurovascular bundle, 440
treatment of palatal paresis, 728
Broadway, E. S., 328, 372-373
Brodie, A. G., 52, 231, 234
Bromberg, B. E., 864-865, 926, 1054
Broomhead, I. W., 1008
on anatomy of palate, 32, 42, 48, 50, 214, 502
bone grafting of, 321
on dangers of injury during surgery, 447-448
on results of early bone grafting, 349
Brophy, T. W.
basis for operation of, 223
cheek flaps of, 826
criticism by Browne, 504
maxillary compression by wiring, 218, 225-227
reactions against, 227-230
methods criticized by Gillies, 413
results of surgery, 53, 60, 65
on separation of tuberosities, 335
training of Kostečka, 910
on tube pedicles to palates, 848
von Brosch, F., 576-577
Brown, G. V. I., 205, 211, 230
Brown, J. B.
Blair/Brown operation, 191
controversy with Dorrance, 461-462, 463
criticism of nasal skin grafts, 479, 532, 538
dissection of neurovascular bundle off flap, 470, 471
horizontal osteotomy of mandibular ramus, 912
on one-stage closure of clefts, 752
on Passavant's pad, 385
on pharyngeal flaps in secondary surgery, 694
pushback operation of, 459-463, 473, 525-526
results of surgery, 59-60
on skin grafts for nasal defect after pushback, 479
on speech therapy, 1017
training of Trier, 1019
vomer resection of, 220
Browne, D.
on anatomy of palate, 21
approach to muscles in cleft palate, 503-505
circumpharyngeal stitch of, 505
closure of bilateral clefts, 271
division of neurovascular bundles, 469
division of palatal muscles, 498
premaxillary setback of, 220, 221, 321
on soft palate anatomy, 384, 386
training of Jolleys, 345
treatment of premaxilla, 219, 220, 221
Bruck, H., on periosteopasty, 360
Buchholz, R. B., 690, 696
Buck, G., 216
Buck, M. W., 59
Bucket-handle flap, in closure of fistulae, 812-813, 829
Buchring, J., 204
Buncke, J. H., 985
Bunnell, S., 227, 848
Burdi, A., 5, 11, 70
Burian, F.
buccal flaps of, 257-258, 260
on early bone grafting, 336-337
labial sulcus flap for closure of fistulae, 812, 823, 829
medial flap pedicle of, 258
modification of mucosal flap, 311
palate closure procedure, 439, 441

1171
Burian, F.—Continued
pharyngeal flaps in primary surgery, 639
pushback combined with pharyngeal flap, 671-674
treatment of hard palate defect with submucous cleft, 722
use of Schweckendiek method, 237
Burian-Trauner procedure, for oral lining, 342
Burnell, approval of tube pedicles, 848
Burnink, J., 243
Burston, W. R.
on growth and development, 52, 53
McNeil-Burston dental appliance, 275
on postoperative growth patterns, 240
premaxillary setback of, 220
presurgical orthodontic methods of, 264-267, 268, 270, 271
on protrusion of premaxilla, 100
training of Latham, 285
Busch, W., on operative procedures, 183
Buxton, R. W., 315, 583
Byars, L. T.
operative technique of, 191
pushback procedure, 473, 525-526
results of surgery, 60
training of Trier, 1019
vomer resection of, 220
Byrne, M., 809
Bzoch, K. R.
book with Grabb and Rosenstein, 5, 234, 434, 640, 815, 926, 1013
evaluation of speech results, 981-982
opposition to two-stage closure, 245
retropharyngeal implants of teflon, 873
on timing of surgery, 735-736
on wide pharyngeal flaps, 620
Cabesa, C., 1021
Cadenat, H., 830
Caldwell, J. B., 915, 916
Calhoun, T. B., 868
Calnan, J.
on causes of velopharyngeal insufficiency, 725
on congenital hard palate holes, 722
on congenital large pharynx, 727-728
evaluation of velopharyngeal function, 984, 985
on nasal defect after pushback, 474
on Passavant's pad, 384, 385-388, 503
retropharyngeal implants of teflon, 871
on rhinolalia after tonsillectomy, 726
on submucous cleft palate, 710-711, 720
on timing of surgery, 733
V-Y palate retropositioning of, 434-435
Campbell, A., 256-257, 310, 362, 363, 445
Cannon, M. S., 38, 571
Canter, H., 378
Carcinoma of soft palate, and island flaps in reconstruction, 581-584
Cardoso, M., 476-477, 479
Carneiro, R., 572
Caronni, E., 404
Carpenter, M. A., 389
Cartilage
autogenous, retropharyngeal implants of, 867
homologous, retropharyngeal implants of, 868-869
Case, C. S., 881
Casselberry, division of palatal muscles, 498

1172
Cephalometry
in evaluation of velopharyngeal function, 984
of maxillofacial deformities, 897
Chalat, N. I., 132
Chalmers, J., 340
Champonois, M. P., 189
Champion, R.
on complications of pharyngeal flap surgery, 690
on nasal defect after pushback, 474
on pharyngoplasty operation, 665
Z-plasty lengthening of soft palate, 395
Z-plasty of nasal mucous membrane, 474
Chanda, A., 409
Chang, W. H. J., 622-623
Charles V., 901-902
Chase, R. A., 873
on base of pharyngeal flap, 633
on complications of pharyngeal flap surgery, 690, 691, 693
evaluation of velopharyngeal function, 985, 992
on height of pharyngeal flap base, 636
on muscle fiber direction in pharyngeal flaps, 664
on pharyngeal flaps, 696-697
pushback combined with pharyngeal flap, 676-680, 686
on speech therapy, 1030
on submucous cleft palate, 719
on T-shaped pharyngeal flap, 684
Chaudhry, A. P., 11
Cheek flaps, 825-829, 833
for nasal defect, 491-495, 829
Chest flaps, 834
with neck flaps, 837-838
Chevron-shaped pharyngeal flaps, innervated, 664-667
Chierici, G., 696
Chizen, J. H., 1044
Chmelová, A., 673
Choanal atresia, and island flap for nasal airway, 583-586
Cholesteatoma, 134
Chong, C., 864-865
Chong, J. K., 484, 493, 557-563, 716
Christie, F. B., 822
Cieliczka, D., 138
Cineradiography, in evaluation of velopharyngeal function, 985
Claiborne, Billy, 79
Clancy brothers, 79
Claué, C., approval of tube pedicles, 848
Claus, W., 521
Clavin, H. D., 487
Claybaugh, G., 518
Cleft types, 86-87
variations in, 71, 87
Cleveland, K. M., 648
Clifford, E., 68, 1047, 1048
Clodius, L., 188, 208, 263, 1023
Closure of clefts, 203-205
anesthesia in, 142-157
bone flaps and osteotomies in, 205-214
bone grafting in. See Bone grafting
conservative procedures in, 575-582
eye early methods of, 167-176
eversion of flaps in, 195-201
hamular fracture in, 187-189
island flaps in. See Island flap
Langenbeck procedure in, 181-184, 204
modifications of, 187-194
and maxillary compression by wiring, 223-230
mucoperiosteal dissection in, 181-184
nasal and labial flaps in, 249-262
one-stage closure of total cleft, 745-752
periosteal flaps in, 355-367
pharyngeal flaps in. See Pharyngeal flaps
Closure of clefts—Continued

postoperative care in, 159–163
preoperative care in, 159
relaxing incisions in, 177, 184–186
mechanical aids to, 189
and secondary fistulae, 809–824
by suturing of edges, 167–176
and theories of Passavant, 383–389
timing of, 94. See also Timing
of surgery
two-layer, 256–262
two-stage, 231–247
V-Y palate closure, 419–448
opposition to, 245–246
Clouet, M., 830
Coccaro, P. J., 75, 976
Coe, H. E., 253
Coën, R., 1023
Coffey, R. J., 66, 619, 889
Colcleugh, R. G., 408
Cole, R., 734–735, 744, 871
Collender, division of palatal muscles, 498
Collin, gags used by, 145
Collis, M. H., 143–144, 498
Collito, M., 206, 246
Columella lengthening, with forked flap, 271
Combelles, R., 830
Complete clefts of lip and palate, 86–87
affecting nasal chamber, 88
bilateral. See Bilateral clefts
unilateral, 88–92
Compression, maxillary, for urano-
plasty, 223–230
Cone, maxillary surgery of, 952
Connelly, J., 1019
Consonants, production of, 1034
Constrictor muscle, superior
function of, 651–652
nerve supply of, 664, 665
Converse, J. M.
combined maxillary and mandibular procedures, 971
diagnosis of submucous cleft palate, 712
mandibular surgery of, 918, 926
maxillary surgery of, 937, 964
on prosthetic therapy, 885
on speech after maxillary surgery, 976
training of Dieffenbach, 571
Conway, H.
on Cronin approach to nasal defects, 484
on osteotomies, 216, 468
pharyngeal flaps of, 633
on pharyngeal flaps in primary surgery, 640
pushback combined with pharyngeal flap, 677–678
training of Furnas, 569
Cooper, A., 692
Cooper, H. K., 882–883, 1018–1019
Cooper, R., 315
Cords, E., 48
Core, W., 192
Correa-Iturraspe, M., 820
Corticosteroids, and cleft palate
induction, 5, 9
Corticotomy, for malposed teeth, 957–958
Cosman, B.
on maxillary deformities, 68, 69
augmentation of pharyngeal flap, 699
on speech results after two-stage closure, 246
on submucous cleft palate, 713, 720
treatment of palatal paresis, 728
Coughlin, W. T., 842
Coupe, T. B., 58, 66, 85, 88
Cox, J. B., 641–642, 690
Cramer, L. M., 493, 559–563, 716
Crampton, D., 1021
Cranial growth. See Growth and development
Crawford, H. H., 185, 315
Creech, B., 695

1174
Cremin, B. J., 750
Crekelair, G. F.
on maxillary deformities, 68, 69
on submucous cleft palate, 713, 720
training of Roth, 1055
treatment of palatal paresis, 728
use of presurgical orthodontic methods, 267
Crime, and physical defects, 1043-1045
Crocker, E., 1047
Croft, C., 631, 685-687, 691, 872
Cronin, T. D.
advancement of mucosal flaps from nasal floor, 480-484
bone grafting of, 314-315, 330
closure of bilateral clefts, 271
on maxillary growth rate, 284
nasal slide of, 274
opinion of island flap, 537-558, 756
on results of early bone grafting, 343-344
silastic breast implants of, 874
vomer resection of, 220
Crossbite, dental, 83, 98-99
anterior, incidence of, 70
correction in deciduous dentition, 97
Crouzon’s disease
mandibular surgery in, 929-930
maxillary surgery in, 952-953
Cruz, R., 62
Cubicciotti, G., 573, 1021
Culf, N. K., 493, 559-562, 716
Čupar, I., 237, 316-317, 854-855
Curtin, J., 648-649, 692
Cushing, H., 47, 615
Custer, G., 473
Cuthbert, J. B., 235, 449-450, 469
Curtino, J. T., 868

Dahl, E., 367
Dal Pont, G., 921-923, 929
Dambre, operative technique of, 216

Daniller, A., 631, 685-687, 872-873
Da Rocha, C., 409
Dautrey, J., 898, 924-925, 950-951
Davies, D., 355, 557, 749-750, 751
Davies-Colley, N. C., 196
Davis, A., 227, 229
Davis, J. S., 206, 238, 341
Davis, M. E., on presurgical orthodontics, 279
Davis, R. M., 151
Davis, W. B., 204, 205-206, 211
Deane, M., 514, 539
Dedo, H. H., 664, 695
Deformities, individual reactions to, 1041-1042
De Geurs, J. J., 573
DeHaan, C., 639, 690
De Jesus, J., 62
Delabarre, C. R., 879
Delaire, J., 323-324, 404
Delinquent adolescents, plastic surgery for, 1045
Dellon, A. L.
on levator veli palatini, 129
on muscular mechanisms in speech, 514-515
palate analogue of, 986-987
on submucous cleft palate, 715-716
Delorme, E., 825
Delpech, as friend of Dieffenbach, 178
Demarquay, J. N., 708, 720
Demeter, speech studies of, 210
Demjen, S.
on blood supply to palate, 42
criticism of Edgerton, 472
division of neurovascular bundles, 469
follow-up of Peer bone flap, 208
opinion of island flap, 546, 565
on osteotomy, 468
V-Y palate retropositioning of, 439-441
Dempsey, J., fight with Tunney, 535

Dental conditions. See Teeth
on lateral port control pharyngeal flap, 629-630
on mandibular prognathism, 901
mandibular surgery of, 904-906, 907-909, 927
maxillary surgery of, 953-954
mouth gag of, 147
pharyngeal flaps of, 609-611
after maxillary osteotomy, 703
on timing of surgery, 243, 902
training of Grabb, 1013
Distoclusion, 83
Dixon, A. D., 10
Dodenhoff, T. G., 897, 902, 906
Dodge, R. E., Jr., 1044
Donaldson, J., 122
Dorrance, G. M.
on anatomy of palate, 384
challenge by Cooper, 883
conflict with Ivy, 458, 462
on congenital insufficiency of palate, 724-725
division of neurovascular bundles, 469
fracture of hamular process, 189, 500
on intramuscular suture of Veau, 502-503
on Krimer procedure, 195
modification of Langenbeck procedure, 190
opposition to tube pedicles, 841, 843
on pharyngeal flaps, 603
pushback procedure, 70, 413, 424, 453-458, 473
criticism by Brown, 461-462
and grafting of nasal raw area, 464, 476, 477-478, 528
on retropharyngeal implants of fat and fascia, 868
on submucous cleft palate, 710
textbook of, 60
on timing of surgery, 238
Dott, N. W., 146
Doubek, F., 809
Douglas, B., 193, 926
Doyen, gags used by, 146
Doyen-Jensen, gags used by, 145
Drachrer, R., 228, 299
Dresner, J., 194, 747
Drexler, A., 241
Dreyer, J., 744
Druncer, L., 47
Dudon, M., 189
Dufourmentel, C., 910
Dufourmentel, L., 701, 909-910
Duk, L. J., 1055
Dunn, F. S.
on pharyngeal flaps, 609, 617, 690
vomer flap of, 213, 253
Dunn, R., 355
Duplay, S., 216
Dupuytren, G., 168-169, 178, 219
Durante, J., 1042
Durham, T., 529
Durkee, S., 532
Dvořák, J., 27, 28-31
Dysplasia, dental, maxillary, 97, 98

Ear disease and hearing loss, 121-140
acoustic impedance measurements in, 138
adhesive stage of, 134
and advocates of early surgery, 122, 127-129
causes of, 121-122
anatomical factors in, 133-134
closure of cleft affecting, 129-130
and Eustachian tube function, 135-137
exudative stage of, 134
hamartoma affecting, 130-132
identification of, 137-138
incidence of, 121
in infants, 123-126
myringotomy in, with tube insertion, 122, 125, 127, 138
and use of Pullen plug, 139-140
pathogenesis of, 134-135
pharyngeal flap affecting, 132
with submucous cleft palate, 126
tonsil and adenoid removal affecting, 132-133
treatment of, 122-123, 138-139
viscid stage of, 134
Earley, A., 128, 1021
Earp brothers, 79
East Africa Flying Doctors Service, 1057-1058
Eastman, J. R., 227
Edgerton, M. T.
approach to muscles in cleft palate, 515-516
as assistant to Brown, 461
closure of fistulae, 820
on complications of pharyngeal flap surgery, 690
levator retrodisplacement in congenital palate insufficiency, 729-730
on plastic surgery for adolescents, 1045
sharp dissection of neurovascular bundle, 471-472, 474
suspensory pharyngeal flap of, 624-625
turnover flap for hard palate notches, 485-486
use of island flap, 546-549
Z-plasty lengthening of soft palate, 397
Z-plasty of nasal mucosa, 474-475
Educational achievements, of cleft patients, 1048
Edwards, L. E., 130
Egyedi, P., 812-813, 829
Ehrmann, division of palatal muscles, 498
von Eiselsberg, A. F.
arm flap of, 838
closure of fistulae, 817
von Eiselsberg, A. F.—Continued
flaps from nasal chambers, 249, 831
use of finger to fill palate cleft,
299, 839–840
Eisenbach, C., 873
Eisenstaedt, J., 903–904
Electromyography
in diagnosis of submucous cleft
palate, 712
limitations of, 985
of pharyngeal flaps, 663–664
Embryology, 3–18
animal studies
in dogs, 6–7
in mice, 13–16
and depressed mucopolysaccharide
synthesis, 15–16
and effects of tongue position,
4, 5, 8, 9, 15
and epithelial breakdown, 10–13
fusion theory in, 3, 5–6
and ossification centers of maxillofacial region, 16–18
shelf elevation in, 15–16
Emmett, A. J., 689
Endoscopy, 1006–1013
nasal, 1007–1010
oral, 1006–1007
Endotracheal anesthesia, 148–152
Engdahl, E., 344, 359
Enlow, D. H., 51
Erich, J., 904
Ernst, F.
approach to muscles in cleft
palate, 501
on Brophy maxillary compression,
228
premaxillary flaps of, 252–253
relaxing incisions of, 209, 607
V-Y palate retropositioning of,
419–420
criticism by Limberg, 424
Ernst space
development of, 501
dissection into, 420, 441, 447,
501–502
packing of, effects of, 501–502,
513
von Esmarch, F., 216, 263
Esposito, P., 679
Esser, J. F. S., 200, 530, 833–834
Eustachian tube, 37–40
in cleft palate, 39–40
opening by tensor palatini muscle, 28, 38
pathology in ear disease, 127
pump mechanism in, 137
relation to levator palatini, 129
relation to tensor palatini, 28,
38, 130, 137
Eustachio, B., 37
Evaluation of velopharyngeal closure
and speech, 981–1016
Evans, A. J., 854
Evans, D., 735
Evans, E. R. G. R., 1043
Exner, on cleft palate speech,
1023
Expansion, palatal
appliances in, 96–98
rapid, and late bone grafting,
350–352
Fabie, M., 830
Fabrikant, J., 514, 715–716, 984–985
Face
contour correction, 965
growth of. See Growth and de-
velopment
profile in complete bilateral
cleft lip and palate, 104–113
Faist, K., 11
Fairwichow, L., 479
Falcone, A., 999
Falcson, R., 32, 1008
Falk, A., 246, 698
Falk, M. L., 648
Fára, M.
on anatomy of palate, 27, 28–31, 34–35
on base of pharyngeal flap, 634,
663–664
on congenital hard palate holes,
description of Burian, 672-673
on muscle sutures for closure of
donor area, 691
on pushback combined with
pharyngeal flap, 673-674
on submucous cleft palate,
721
Farina, R., 745-746, 749
Fascia
and muscle slings in facial pa-
ralysis, 860-862
retropharyngeal implants of,
867-868
Far, retropharyngeal implants of,
867-868
Fauchard, P., 878, 884
Federspiel, M. N., 189, 219
Feeding, postoperative, 160-163
bifid nipple for, 160
Feingold, M., 71
Feinstein, A. R., 73
Felder, H., 125
Ferguson, M. W. J., 15-16
Fergusson, W., 141, 142, 184, 204,
497-498
Fernandez, J. M., 818
Figl, F. A., Goodsell training with,
229
Fillebrown, C. D., 189
Finger, to fill palate cleft, 299,
839-840
Finley, J. M., 374
Fish, J., 352-353
Fisher, J. C., 214, 729-730
Fistulae, closure of, 809-824
bone grafts in, 822-823
bucket-handle flap in, 812-813,
829
cheek flaps in, 826, 827-829
hinge flaps in, 814, 816
island flaps in, 574-576, 824
labial sulcus flaps in, 812-813,
823, 829
lip flaps in, 829-830
non-surgical treatment of, 810-
811
surgery in, 811-824
tongue flaps in, 817-821
tube pedicles in, 851-852
Fitzgerald, use of anesthesia, 150
Fitzgerald, T. N., 811-812
Flaps
alveolar, interdigitating, 289-290
in bilateral clefts, 294-295
arm, 838-839
bone, 205-214
bucket-handle, in closure of fis-
tulae, 812-813, 829
cheek, 825-829, 833
for nasal defect, 491-495, 829
chest, 834
with neck flaps, 837-838
forehead, 836-837
forked, for columella lengthen-
ing, 271
hinge, for closure of fistulae,
814, 816
island. See Island flap
labial sulcus, in closure of fis-
tulae, 812-813, 823, 829
lip, 829-830
mucoperiosteal. See Mucoperios-
teal flap
nasal
septal, 830-832
turbinate, 832
nasolabial, 249-262, 833-836
neck, 834, 837
with chest flaps, 837-838
pedicle. See Tube pedicles to
palate
periosteal, 355-367
pharyngeal. See Pharyngeal flaps
premaxillary, 252-253
tongue, 830
in closure of fistulae, 817-
821
lateral, 860
turnover or eversion, 195-201
combined with mucoperios-
teal flap, 196, 199
modern uses of, 201
skin grafting of, 200
vomerine. See Vomerine flaps
Fletcher, S. G., 48
Fluoroscopy, in evaluation of velo-
pharyngeal function, 992
Foederl, O., 831
Fogh-Andersen, P., 64, 367, 403, 609
Forbes, Airman, 952
Forbes, W. S., 393
Forehead flaps, 836–837
Forked flap, for columnella lengthening, 271
Foster, T. D., 69, 239
Fox, J. W., 820
Fracture of hamulus, 187–189
Franco, P., treatment of premaxilla, 219, 878
Franco, T., 63
Fraser, F. C., 8, 43, 71
Frederiks, E., 43
Freeman, A., 155–157
Freihofer, H. P. M., Jr., 924, 946–947, 973–974
French, gags used by, 145
Freshwater, F., 529, 1021
Freydend flaps in primary surgery, 639
Freyss, G., 682
Friede, H.
early bone grafting of, 339, 344
on growth after surgery, 70, 72, 104
on vomer flaps, 255–256
Fry, K., 80, 413–418, 881
Freyer, M., 470, 912–913
Fujino, T., 518–519
Fukimura, O., 975
Furlow, L. T., 519–520, 873
Furnas, D., 464–465, 569, 649, 1057
Futrell, J. W., 820

Gabka, J., 242, 814–815
Gable, D. O., 573
Gags, mouth, 145–148
Ganguli, A. C., 492–493, 829
Ganzer, H., 419, 426, 841
Garay, J., 818
Gariel, obturator of, 412, 880
Garretson
division of palatal muscles, 498
maxillary compression of, 224
Gault, flaps of mucoperiosteum from inferior turbinate, 832
Gay, J., 142, 249, 830
von Gaza, W. V., 867–868
Genetic factors, in mandibular prognathism, 901–902
Gensoul, J., treatment of premaxilla, 219
Geometrical relationships affecting profile, 104
between palatal shelves and premaxilla, 100–101
Georgiade, N. G.
anteoriol superiorly based pharyngeal flaps, 625–626
on bone formation between mucoperiosteal layers, 366–367
on bone grafting, 315–316, 326
evaluation of island flap, 551–552, 570, 590–591
mandibular surgery of, 915
Mark III coaxial arch alignment appliance, 284, 288, 293
nasolabial flap of, 835–836
use of expansion screw plate, 273
Gerard, on early lip closure, 375
Gerow, F. J., 1044
Gersuny, R., 817, 867
Giargiana, F., 518
Gibb, A. G., 726
Gibbons, P., 728
Gibson, T., 174, 451, 505, 509
Gillespie, N. A., 150
Gillies, H. D.
and anesthesia by Magill, 148, 149
association with Lane, 196
book with Millard, 919, 929, 938
competition with Sheehan, 401–402
criticism by Browne, 504
description by Walker, 721
on growth and development, 51
on Hynes pharyngoplasty, 654, 656
Le Fort III osteotomy of, 952–953
maxillary surgery of, 934–936, 942
on nasal flaps for palate closure, 249–250, 831
and obturator by Fry, 881
periosteal hinge in mandibular surgery, 929
on pharyngeal flaps, 609
portrait of, 402, 417–418
prosthetic principles of, 828, 881–882
pushback procedure of, 413–418
surgical principles of, 235, 956
on survival of medullary bone grafts, 938
training of Cuthbert, 449, 450
training of Demjen, 439
training of Hynes, 653
training of Kaplan, 747
training of Kirkham, 612
training of Loenneken, 65
training of Millard, 151, 429
training of Obwegeser, 919
training of O’Connor, 229
training of Tessier, 936
treatment of premaxilla, 219
tube pedicles of, 526, 841, 844, 847–852
use of Rutenberg-Wardill pharyngoplasty, 652–653
use of temporalis muscle in facial paralysis, 861
Ginestet, J. G., 846–847, 848, 924
Gingivoperiosteoplasty, 289–290
bilateral, 294–295
Gilmer, T. L., maxillary compression of, 228
Girotti, W., 914
Giroud, A., 14
Glass, D., 279–280, 379
Glossopharyngeal nerve, 48
Gluck, on ear pathology, 135
Glucocorticoids, and cleft palate induction, 5, 9
Glue ears, incidence of, 128
Gnoinski, W., 282–284
Goetz, as friend of Ernst, 501
Golden, G. T., 820
Goldenberg, A., 1021
Goldin, H., 321, 349
Goldwyn, R. M., 169, 180, 181, 186, 815
Gonzales, J. B., 728
Gonzales-Ulloa, M., 854
Goodsell, J. O., 229
Goodstein, L. D., 1047
Goodwill, D. H., 216
Goodwill programs, exporting of, 1053–1059
Goodwillie, C., 747
Gorodischer, C., 747
Goss, A. N., 14, 15
Grabb, W. C.
book with Rosenstein and Bzoch, 5, 234, 343, 440, 815, 926, 1013
on mandibular prognathism, 901
mouth gag of, 147
pharyngeal flaps of, 609–611, 634
on speech results, 1013–1014
on timing of surgery, 737
Graber, T. M., 58–61, 84, 735
Grafts
bone. See Bone grafting
periosteal, free, 368–373
skin, to cover vomer flap surface, 254–256
Graham, M. D., 128, 132, 648
Graham, W. P., III, 634, 691
Graves, F. O., 130
Gray, on complications of pharyngeal flap surgery, 690
Greene, G., 1044
Greminger, R. F., 247
Griffith, H., 319–320
Griffiths, J., 412
Grignon, J. L., 682
Grillo, on growth and development, 57
Grimaces, facial, 49, 1034
Grocott, J., 218
Gross, R., 145, 192, 940
Grossman, W., 270, 321, 349, 350
Growth and development, 51–77
of adenoid tissue, 75–77
clefts affecting, 52–53
and concept of catch-up
growth, 102
facial
good pattern of, 104, 105
and guidelines for treatment, 119
poor pattern of, 104, 105–106
serial changes after lip repair, 103–104
maxillary
pharyngeal flap affecting, 700–701
after simultaneous lip and
 palate closure, 748
and timing of surgery, 736–738, 744
of nasopharynx and soft palate, 74–75
palatal
good pattern of, 106
poor pattern of, 105–106
studies of unoperated adult
clefts, 61–64
surgery affecting, 232, 238–241
in animals, 53–58, 259
and arch form changes, 88–93
in conservative surgery, 378–379
and criticism of early surgery, 58–61, 64–69
and deleterious effect of
non-physiological surgery, 115–118
and hourglass maxillary col-
lapse, 69–74
in humans, 58–74
and timing of surgery, 52, 736–738, 744
trauma affecting, 53–55
and variables in development, 71–74
Gruber, H., 273–274, 329, 330
Gruver, D., 1059
Guérin's fracture, 934
Guerrero-Santos, J., 817–819
Gunderson, on ear pathology, 135
Gussenbauer, transverse releasing
incisions in palate, 412
Gutzmann, H., 135, 709
Gylling, U., 370
Haataja, J., 365
Habal, M. B., 976
Habilitation, 1017–1039
and impact of learning, 1031–1039
and speech therapy, 1023–1030
team approach in, 1018–1023
analysis of, 1022–1023
in Chapel Hill, 1019–1020
in Miami, 1020–1021
Hackett, E. J., 1010
Hage, J., 543–545, 550, 570, 984
Hagerty, R., 206, 208, 276–278, 385, 868
Hahn, obturator of, 880
Hahnel, E., 529
Halfond, H., 121
Hall, A. S., 712
Halle, H., 419–420, 424, 607, 834, 867
Hamilton, R. W., 131, 632, 634, 691
Hamlen, M., 633
Hammer, U., 812
Hammond, B. N., 224, 734
Hamular fracture, 187–189
ear disease from, 130–132
results of, 513
Hance, G., 459, 460, 911
Hanrahan, E., 471
Hapsburg family, genetic studies
of, 901–902
Hard palate clefts, 87
Harding, R. L., 229
conservative lip and palate clo-
sure of, 375–376, 377, 378
on presurgical orthodontics, 281
on timing for pharyngeal flaps,
631–632
Hearing loss. See Ear disease and hearing loss.

Helbing, C., 402
Heller, A., 660–661
Heller, J. C., 591–592
Heller, Joyce, 126
Hellquist, R., 69, 280, 344, 359–360, 361
Hemenway, W., 126
Hemorrhage, in pharyngeal flap surgery, 690
Henderson, D., 575–576, 580–581
Hendrickx, A. G., 11
Henle, F. G. J., 28
Henry, J. V., 41
Henschen, C., 903
Herbert, D. C., 575
Herfert, O., 55, 56, 238–239, 312, 630
Hess, D. A., 277, 868
Heycock, M. H., 368, 587
Hill, M. J., 868
Hilton, evaluation of velopharyngeal function, 984
Himsworth, H., 7
Hindemith, P., 501
Hinds, E. C., 914–915, 929
Hinge flap, for closure of fistulae, 814, 816
Hirose, T., 891–892
Hirshowitz, B., 699–700
Hochberg, I., 126
Hochstein, H. J., 689
Hochstrasser, A. E., 440
Hodge, G., on mandibular prognathism, 901, 912
Hoeksema, P. A., 612
Hofer, O., 926
Hoffman, G. W., 571
Hoffman-Axthelm, W., 841
Hoffmeister, F. S., 206, 385
Hogan, V. M., 627–630, 728, 875
Hogeman, K.-E., 326, 345, 347, 912
Holborow, C. A., 131
Holdsworth, W., 510, 733, 809–810, 813–814
Holes in hard palate, congenital, 721–722
Holliday, Doc, 79
Hollmann, K., 347
Hollweg, E., 867
Holm, P., 367, 570
Holmes, O. W., 180, 529
Holmstrand, K., 350
Höltje, W.-J., 812
Honig, C. A., 676, 678–679, 686, 1013
Honjow, I., 627
Hoopes, J. E.

approach to muscles in cleft palate, 518
evaluation of velopharyngeal function, 984–985
on island flap procedure, 538, 555–556, 593–594
on muscular mechanisms in speech, 514, 515
palate analogue of, 986–987
on plastic surgery for adolescents, 1045
on submucous cleft palate, 714, 715–716
Horowitz, S. L., 43, 918, 964
Horses, cleft palate closure in, 573
Horseshoe cleft and timing of surgery, 752
Horseshoe-shaped incision
in Brown procedure, 459–463
in Dorrance procedure, 453–458
in pushback procedures, 453–465
Horseshoe-shaped incision—Continued
and toggle tacks for flap fixation, 464-465
use by Millard, 464
Horton, C. E., 185, 315, 346, 486-487
Hotz, M., 258, 282-284, 418
Houllier, J., 167, 878
Hourglass maxillary collapse, postoperative, 69-74
Hrivnáková, J., 673
Huddart, A. G., 279, 282
Hudson, W. R., 712
Huffman, W. C., 221, 690, 809
Huffstadt, A. J. C., 128, 611-612, 820, 1009
Hugo, V., 1044
Hulke, operative procedure of, 184
Hullihen, S. P., 186-187, 879-880, 902
Hunter, J., 51, 151-152
Hynes, D. M., 657
Hynes, W.
closure of fistulae, 814
division of neurovascular bundles, 469
pharyngoplasty of, 437, 451, 655-657
compared to inferior base
pharyngeal flap, 654
evaluation of, 1012
refinements in, 654-655
in submucous cleft palate, 711, 716
V-Y palate retropositioning of, 437-438
Hypernasality. See Speech
Hyslop, V. B., 205, 209, 213
Icke, R., 1058
Ilium, as graft donor area, 300, 301, 308, 316, 326-327
Immenkamp, A., 501
Implants, retropharyngeal, 867-876
cartilage
autogenous, 867
homologous, 868-869
evaluation of, 1012
fat and fascia, 867-868
paraffin, 867
silicone, 869-870
teflon, 870-873
and vacillation between cartilage, teflon and silicone, 873-876
views of Millard, 875-876
Incisions
horseshoe-shaped, 453-465
palatal, in island flap procedure, 118
relaxing, 177, 184-186
mechanical aids to, 189
transverse, 187
in pushback operations, 411-418
Incisive canal, vasculature in, 46
Incomplete clefts, 86
bilateral, with good palatal growth pattern, 107
Innervation. See Nerve supply
Innes, F. L. F., 435, 566, 657, 716, 734
Innis, C. O., 63, 219
Interplast Project, 1057
Interpterygomaxillary space, bone grafts in, 938, 943
Intravenous fluids, location of vein for, 152
Irish, T., 486
Ishiguro, K., 378
Island flap, 491, 514
in ablative and other defects, 579-586
acceptance by surgeons, 543-577
challenge by Cronin, 537-538
compared to pharyngeal flaps, 588
and dangers of ostectomy, 531, 561
detailed description of, 533
development of, 525-541
double-pedicle, 533-534
with early pushback, personal cases of Millard, 755-771
first illustrations of, 532
first trial by Millard, 530-531
in fistula closure, 574-576, 824
long-term evaluation of, 587-600, 1012
at Butterworth, 594
at Duke, 590-591
at Johns Hopkins, 593-594
length, 588
in Miami, 587-590
by Millard, after 18 years, 595-600
mobility, 587-588
at Montefiore, 591-593
speech results, 588-590
and mending of levator muscles, 538-539
for nasal defect after pushback operations, 491
original use by Brosch, 576-577
for palate closure in horses, 573
palate deformation from, 116
pharyngeal flaps with, 595-596, 600
personal cases of Millard, 802-805
in submucous cleft palate, 716
and placement of palatal incisions, 118
and reduction of fistula formation, 539-540
sandwich principle in, 557-564
evaluation of, 686
and opinion of Millard, 564
in submucous cleft palate, 716
secondary, personal cases of Millard, 792-798
special techniques with, 540-541
use by Kriens, 513
and use of two islands, 534-538, 558
Isolated cleft palate, incidence of, 8
Isshiki, N., 262, 626-627
Itard, surgical procedure of, 169
Ivy, R.
advice to Millard, 549
bone grafting of, 328
on Charles II of England, 170
on Cooper challenge to Dorrance, 883
description of Dorrance, 458, 462
meeting with Burian, 671
observation of island flap procedure, 570
opposition to tube pedicles, 841
on pharyngeal flaps, 650
on Shearer, 228, 229
on spontaneous closure of clefts, 707
on team approach in habilitation, 1018

Jabaley, M. E., 1045
Jaboulin, M., 909
Jackson, C. M., 75
Jackson, E., 416-417
Jackson, I. T., 360, 372-373, 661, 703, 819-820, 822
Jackson, M. S., 822
Jackson, Tony, 1054
Jacob, C. T., 700, 871-872
Jacobson, B., 318
Jacobson, S., 326, 345, 347
Jager, E., 873
Jalaquier, Veau as assistant to, 421
Jamaica, plastic surgery in, 1054-1055
Jaw defects, 897-899
mandibular surgery in, 901-931
maxillary surgery in, 933-977
Jobe, R.
on causes of velopharyngeal incompetence, 728
on complications of pharyngeal flap surgery, 690
on height of pharyngeal flap base, 636
on muscle fiber direction in pharyngeal flaps, 664
on pharyngeal flaps, 696-697
pushback combined with pharyngeal flap, 678, 680-681
on rhinolalia after tonsil and adenoid removal, 726
Jobe, R.—Continued
  on speech therapy, 1031
  on submucosal cleft palate, 719
Johanson, B., 973
  bone grafting of, 300–301, 327, 328
  on early bone grafting, 336, 337–340, 344
  on fate of bone grafts, 330
  flap for midline lining on nasal side, 488
  lip adhesion procedure, 246
  long pharyngeal flap of, 623–624
  on periosteal flaps of Skoog, 358
  use of presurgical orthopedics, 272
  on vomer flaps, 255–256
Johns, D. F., 631, 729
Johnson, W., 987
Jolleys, A.
  on failure of surgical closure, 809
  on results of early bone grafting, 345, 349
  on timing of surgery, 61, 733, 738
Jones, on complications of pharyngeal flap surgery, 690
Jones, G., 142
Jones, R. S., 573
Jones, W. D., III, 635
Jonsson, G., 255
Jorgenson, R. J., 278
Jorstad, as teacher of Graber, 59
Josephson, J. E., 1030
Joss, G.
  on bone grafting results, 321, 328, 358, 364
  on Hynes pharyngoplasty, 657
  on periosteoplasty, 362–363, 373
Jurkiewicz, M. J., 57–58, 462, 694
Kapetansky, D. I., 638, 667–669
Kaplan, E. N.
  approach to muscles in cleft palate, 517
  on causes of velopharyngeal incompetence, 728
  cheek flap for nasal lining, 494–495, 829
  levator muscle reattachment, 214
  on maxillary growth after pharyngeal flap, 700–701
  pushback combined with pharyngeal flap, 681–682
  on rhinolalia after tonsil and adenoid removal, 726
  on submucosal cleft palate, 717–719
  on timing of surgery, 740
Kaplan, I., 194, 747–749
Kappis, M., 834
Karfi, V., 23
Kastein, S., 728
Kausch, W., 834
Kawamoto, H., 703
Kazanjian, V. H., 903, 913
Keach, S., 1052
Keith, A., 225
Kelly, A. B., 709
Kemp, F. H., 388
Kemper, J. W., lip and palate closure of, 908
Kendrick, W. S., 573
Kennedy, C., 728
Kernahan, D. A., 220, 439, 740
Kerr, L., 325–326
Khettourov, A., 443
Kichn, C. L., 229, 728, 860–862
Killey, H. C., 935
Kilner, T. P.
  approach to anterior cleft, 252
  dissection in space of Ernst, 501
  on Hynes pharyngoplasty, 656
  Matthews as assistant to, 349
  mouth gag of, 146
  as Nuffield Professor, 401, 429
  opposition to tube pedicles, 841
  on position of patient, 145
  prosthetic principles of, 881–882

1186
Korea, plastic surgery in, 1053–
1054, 1055–1056
Körlof, B., 307, 308
Korsan-Bengsten, M., 128
Koseharten, L. G., 570
Kostěčka, F., 910
Kostrubala, J., 846
Kowalzig, E., operative technique
of, 216
Kraske, P., 250, 832
Kraus, B. S., 5
Krause, C., 63
Kremenak, C. R., 56–57, 118, 239
Kriens, O.
on anatomy of palate, 23–26
approach to muscles in cleft
palate, 511–513
bone grafting of, 329
concern about dissections in
Ernst space, 501–502
on ear pathology, 132
on levator repositioning, 730
work with Schuchardt, 311
Krischer, J., 275
Krogman, W., 59, 378–379, 631,
736
Kronheim, L., 861
Kuehn, D. P., 32
Kuester, E., 394
Kuna Indians, 1058, 1059
Kymography, in evaluation of
nasal air escape, 985
Labandter, follow-up of Langen-
beck closures, 194
Labial arteries, 41
Labial flaps
for alveolar and hard palate clo-
sure, 249–262
for closure of fistulae, 812–813,
823, 829
Ladd, W. E., 145, 192
Laffer, J., 730–731
Lando, R. L., 868
Lane, W. A., 196–199, 225, 826
criticism by Brownc, 504
gags used by, 145
Lane, W. A.—Continued
methods criticized by Gillies, 413
Lane, L., 173
Lang, B. R., 728
von Langenbeck, B.
cheek flaps of, 825
closure of fistulae, 811
lack of anesthesia, 142
methods criticized by Gillies, 413
procedure for palate closure, 65, 69, 181–184, 204, 253
criticism by Veau, 421
modifications of, 187–194, 422
and speech results, 475
use by Logan, 228, 230
use by Wardill, 425
on separation of periosteum, 355
on spontaneous closure of clefts, 707
on submucous cleft palate, 708
Lannelongue, R., 205, 249, 830
Larsson, K. S., 71
Lateral port control pharyngeal flap, 627–630
Latham, E. A., 33
Latham, R. A.
on growth and development, 52, 240
Mark III coaxial arch alignment appliance, 283–288, 293
training of Dieffenbach, 571
on treatment of bilateral cleft, 292–296
on treatment of unilateral cleft, 285–292
Latin American countries, plastic surgery in, 1057
Laub, D. R., 678, 719, 1030, 1057
Lauterstein, A. M., 73
Lawson, L. I., 622, 690, 696
Leanderson, R., 307, 308
Leber, D., 493
Leboug, approval of tube pedicles, 848
Leck, I., 71
Lee, W. H., 868
Le Fort, R., 933–934
Le Fort I osteotomy, 934–955
Le Fort III osteotomy, 952–955
Lefoulon, dental orthopedics of, 263
Legg, T. P., 144, 145, 217, 499
Lehman, J. A., Jr., 823
Leibowitz, J., 877
LeMesurier, A. B., 423
Le Monnier, operative technique of, 167, 186
Lenbach, on Billroth, 187
Lencione, on anatomy of palate, 36
Lengthening of palate, 393–600
early pushback operations in, 411–418
horseshoe-shaped incision in, 453–465
by island flap, 525–541
oral mucoperiosteal flap transpositions in, 449–451
radical lateral flaps of Sheehan, 400–401
by union of posterior pillars of tonsils, 399
criticism of, 400–410
modifications of, 402–409
uvula in, 393–395
V-split flap pushback in, 436
V-Y palate retropositioning in, 419–448
in soft palate cleft, 444
and Z-plasty for soft palate, 395–397
criticism of, 397
Lermoyez, M., 708–709
Letterman, G. S., 916
Leutenegger, speech studies of, 210
Leuz, C., 243, 594, 635
Levator palatini muscles, 30, 35
blood supply of, 42
in cleft palate patients, 500–521
dissection with island flaps, 538–539
and Eustachian tube function, 129
retrodisplacement with pharyngeal flap, in congenital palate insufficiency, 729-730
sling construction in submucous cleft palate, 719
surgical division of, 497-499
Levatorplasty, of Neuner, 859
Leven, L., 240
Levet, A., 223, 263
Levy, Y., 621-622
Lewin, M. L.
on antisocial behavior, 1043-1044, 1045
evaluation of island flap, 591-592
on insertion of pharyngeal flaps, 631, 685-687
survey of operative procedures, 192
on timing of surgery, 733-734
treatment of secondary fistulae, 810-811
Lewis, E., 862
Lewis, H., 138
Lewis, S. R., 348, 722
Leworthy, G. W., 132
Lewy, R. B., 870-871
Lexer, E., 146, 299, 421-422
Lierle, D., 129, 132, 221, 690, 809, 987
Limberg, A. A.
mandibular surgery of, 926
osteotomy of, 467-468
and island flap in pushback procedure, 530, 533
on submucous cleft palate, 710
on timing of surgery, 243
V-Y palate retropositioning of, 424-425
Lindgren, V. V., 891
Lindsay, W., 193-194, 733
Lip flaps, 829-830
Liston, R., 185-186, 498
Litowitz, R., 756, 1020, 1021
Lodovici, O., 479
Loennecken, W., trained by Gillies, 65
Loewenhardt, R., 204
Logan, W., 53, 228
Longacre, J. J., 61, 240-241, 341, 690
Longfellow, H. W., 180
Lore, J., 1019
Lorenz, W., 327
Losken, H. W., 557, 751
Louis XIV, 1042
Lovius, B. B. J., 573
Lowery, B., 1049-1050
Luban, J., 267
Luce, E. A., 593
Luhr, H.-G., 812
Lupovich, P., 135
von Luschka, H., 20, 384
Lusitanus, A., 877-878
Luxenburger, A., 837-838
Lynch, J. B., 348, 722
Lynch, K. L., 214
Lyons, C. J., 229
Macbeth, on Eustachian tube, 37
MacCollum, D. W., 65, 145, 159, 160, 192, 467
Machida, J., 48
MacKenty, J. E., 189
MacMahon, F. S., 152-155
Macomber, W. B., 845-846
Madden, J. W., 57
Madeira, L. A. M. C., 234
Maeglin, B., 340
Maes, J. M., 861
Magill, I., 148-150
Maher, W. P., 43-44
Mahler, D., 621-622
Mahu, gags used by, 145
Maillard, G. E., 572, 701
Maisels, D. O.
on growth and development, 52
palate closure in horses, 573
on presurgical orthodontics, 268-271, 282, 284
on timing of surgery, 240
use of island flap, 568-569, 570, 579
Majno, on growth and development, 57
on scholastic achievement of cleft patients, 1048
studies of Passavant’s pad, 389
on submucous cleft palate, 712, 715
Masters, F., 122, 219
Mathieson, L., 862
Matsuya, T., 48
Matthews, D.
bone grafting of, 321–322, 325
book with Grossman, 270
description of Sanvenero-Rosselli, 617
on fate of bone grafts, 219, 329, 330
on rapid expansion and late grafting, 350–352
on results of early bone grafting, 349–350
training of Jolleys, 345
work with Broomhead, 48
Matthiessen, M., 9
Maue-Dickson, W. See Dickson, W. M.

Maxilla
deformity of, and use of prosthesis, 881–882, 891–893
growth of pharyngeal flap affecting, 700–701
after simultaneous lip and palate closure, 748
and timing of surgery, 736–738, 744
ossification centers of maxillofacial region, 16–18
postoperative collapse of, 69–74

Maxillary artery, 41
Maxillary compression for uranoplasty, 223–230
Brophy method with wiring, 218, 225–227
reactions against, 227–230
external pressure in, 223–224

Maxillary nerve, 47
Maxillary orthopedics, presurgical, 263–298
for bilateral cleft, 292–298
criticism of, 278–282
and pin-retained expandable prosthesis, 276–278
for unilateral cleft, 285–292
Maxillary surgery, 933–977
and chances of relapse, 972–974
combined with mandibular procedures, 965–971
early bone grafting, 299–324
effects on speech, 975–977
for facial contour correction, 965
first osteotomy in congenital case, 952–955
late osteotomy in, 952
Le Fort I osteotomy, 934–955
with Le Fort III, 955–957
and opening of cleft, 947–951
Le Fort III osteotomy, 952–955
with Le Fort I, 955–957
for malposed teeth, 957–964
corticotomy, 957–958
and movements of anterior segment of maxilla, 961–964
and osteotomy for tilting premaxilla, 960
reducing broad maxillary arch, 959–960
rotation of bilateral alveolar segments, 959
in severe deformities with bilateral clefts, 960–961
in unilateral complete clefts, 959
unilateral rotation of small alveolar segment, 958–959
nasal effects of, 947
pharyngeal flaps with, 702–703, 977
and vitality of teeth, 975
May, H., 463, 571
McCall, G., 36, 694, 999, 1000, 1002
McCarthy, J. G., 976
McClelland, R., 809
McClelland, W., 809
McClinton, M., evaluation of island flap, 593
McComb, H. K., 911
McCormack, R., 442, 692, 871
McCoy, F., 664–667
McCutchen, G. T., 404
McDowell, F.
description of Dorrance, 458, 462–463
dissection of neurovascular bundle off flap, 470
on Langenbeck procedure, 191
on one-stage closure of clefts, 752
on pharyngeal flaps in secondary surgery, 694
pushback of, 473
on speech therapy, 1017–1018
training of Trier, 1019
on unoperated clefts, 63
vomer resection of, 220
McEvitt, W., repositioning of pharyngeal flap, 698
McFarlane, R. M., 407–409
McGill, I., 425
McGill, P., 172, 1052
McGowan, on bilateral osteotomy, 213
McGrath, obturator of, 880
McGregor, M. W., 828
McIndoe, A., 22, 714, 721, 847, 1057
McLaughlin, C. R., 379
McLowry brothers, 79
McMyn, J. K., 130
McNeil, C. K., 239, 264, 265, 314
McNeil-Burston dental appliance, 275
McNeill, K., 531, 1054–1055
McNett, W. B., 190, 458, 463
McWilliams, B. J., 125, 1026–1029
assessment of Braithwaite cleft repair, 508
on blood supply of palate, 43
evaluation of velopharyngeal function, 985
on feeding technique, 161
personal cases of, 753–805  
ablative defects treated with  
island flaps, 582–586  
bilateral clefts, 768–771  
both island and pharyngeal  
flap, 802–805  
conservative primary ap-  
proach, 781–791  
delayed primary island flaps,  
771–778  
ey early pushback with island  
flap, 755–771  
palate closure with island  
flap, 530–531, 535–536  
primary pharyngeal flap,  
778–781  
primary surgery, 754–791  
secondary island flap push-  
back, 792–798  
secondary pharyngeal flaps,  
800–802  
secondary surgery, 792–805  
submucous cleft palate, 772–  
776, 799  
tertiary pharyngeal flaps,  
798–799  
V-Y pushback, 754–770  
pharyngeal flaps in primary sur-  
gery, 650, 778–781  
for side-to-side relief, 645–646  
on retropharyngeal implants,  
875–876  
surgery in Korea, 1053–1054  
T-shaped pharyngeal flap, 683–  
685, 1013  
on timing of surgery, 742–744  
training with Gillies, 429  
tube pedicle for palate, 526–527,  
852–854  
use of horseshoe-shaped inci-  
sion, 464  
visit to Veau, 423  
on V-Y pushback procedures,  
448  
work with Latham, 285–298  
Millard, R. T., 246, 893, 982, 1021  
guidelines for prosthesis use,  
884–885
Millen, J. W., 14
Miller, A. L., 211
Miller, B. H., 750
Miller, E. R., 622, 690
Minaba, T., 67–68
Minami, R., 682–683, 719, 726–727, 728
Minuto, I., 404
Missionary surgery, and exporting goodwill, 1053–1059
Miyazaki, T., 48
Mladick, R., 486, 551, 590–591, 819, 835
Mogi, on ear pathology, 135
Mohler, L. R., 720
Molding action
   geometrical changes from, 101–102
   and palatal growth, 102
Moll, K., 129, 690, 809
Monbureau, O., 293
Monks, G. H., 529
Monnier, lack of anesthesia, 142
Monroe, C., 220, 271, 318
Montin, maxillary compression of, 223–224
Moolenaar, A. J., 611
Moore, F. T., 484, 489, 557–559, 991, 1012
Moran, P., 617, 618, 633, 690, 862
Morel-Fatio, D., 169
Morestin, H., 400
Morimoto, M., 262, 626, 627
Morley, M. E., 42, 508–509, 735, 1024–1026
Morris, H. L.
   division of neurovascular bundles, 469
   evaluation of velopharyngeal function, 992
   on pharyngeal flap as speech mechanism, 630
   on speech therapy, 1031–1032
   studies of Passavant’s pad, 389
   on timing of surgery, 735
Morrison, D., 750
Morton, W. T. G., 141, 143, 180
Moskowicz, L., 199
Moss, M. L., 67, 267
Mourino, A. P., 522
Mouth gags, use of, 145–148
   Miami modification of, 147–148
Mucoperiosteal dissection, 181–184
Mucoperiosteal flap
   combined with turnover flap, 196, 199
   and freeing of neurovascular bundle, 467–472
   toggle tacking for fixation of, 464–465
   transpositions for palate lengthening, 449–451
   in V-Y procedures, 419–448
Mucopolysaccharides, depressed
   synthesis of, and cleft palate induction, 15–16
Muir, I. F. K., 259–261, 321
Mukherji, M. M., 491–492, 829
Mulliken, J., 214, 518
Mullin, W., 595, 1021
Munker, G., 347
Munro, I. R., 703, 941
Murray, J. E., 199, 939–940, 976
Musculature
   aberrant forces affecting palatal segments, 85–87
   and fascial slings in facial paralysis, 860–862
   fiber direction in pharyngeal flaps, 625, 664
grafts of, 862–864
   lateral transpositions of pterygoid muscles, 859
   levator palatini, 30, 35. See also
   Levator palatini muscles
   of palate, 20–26
   and approaches to levators, 500–521
   in cleft palate, 28, 497–523
   division of, 497–499
   and fracture of hamular process, 499–500
   nerve supply of, 39, 47
   in normal palate, 27–28
   and velar stretch factor, 521–523
Musculature—Continued
palatoglossus, 30–31, 510
palatopharyngeus, 31. See also
Palatopharyngeus muscle
palmaris longus muscle as
purse-string, 864–865
pharyngeal, 33–36
superior constrictor, 651–652,
664, 665
tensor tympani, 28, 136–137
tensor veli palatini, 27–28, 29.
See also Tensor veli palatini
muscle
uvular, 31–33, 510
Musgrave, K. S., 693
Musgrave, R., 683, 692, 810, 871
Mylin, W. K., 276–278, 868
Myotomy procedures, 497–499
criticism of, 499
Myringotomy, with tube insertion,
in ear disease, 122, 125,
127, 138
and use of Pullen plug, 139–140
Myrrhen, A., 393
Nachmani, A., follow-up of Laengebeck closures, 194
Nanda, R., 14
Nasal conditions. See Nose
Nasality of speech. See Speech
Nasolabial flaps, 833–836
Nasopharynx, 36–37
configuration of, and velopharyngeal function, 996
growth and development of, 74–75
stenosis repair with island flap, 585
Nasse, D., 583
Neck flaps, 834, 837
with chest flaps, 837–838
Nélaton, A., 195
Nerve supply, 47–50
and innervated pharyngeal flap,
664–669
of superior pharyngeal constrictor muscles, 664, 665
of tensor veli palatini, 39, 47
Nestor, J., 147–148
Neuner, O., 406–407, 857–858,
859, 860
Neurovascular bundles, 467–472
blunt freeing and tugging of, 467
dissection with island flap, 530
dissection of mucoperiosteal
flap, 470–471
division of, 469
criticism of, 470
need to preserve vessels in,
472
osteotomy behind, 467–468
sectioning of, affecting palate,
439–440
sharp dissection of vessels in,
471–472
New, G., 229, 904
Newmann, on ear pathology, 130
Newton, I., 473
Nishio, J., 48–49
Nitch, C. E., 189
Noone, B. R., 131, 635
Noordhoff, M. S., 554–555, 1055
Nordin, K.-E., 272, 300, 306, 307,
308, 344, 973
North, J. F., on presurgical orthodontics, 279
Northern, J., 137
Northway, W. H., Jr., 985, 992
Nose
air escape through, measurement of, 985
complete clefts affecting chambers of, 88
endoscopy of, 1007–1010
flaps for alveolar and hard palate closure, 249–262
grimaces in phonation, 49,
1034
lip flap for lining of, 830
maxillary advancement affecting, 947
raw area after pushback procedures, 450, 457, 459, 460,
473–495

1194
and advancement of mucosal flaps from nasal floor, 480–484
cheek flaps in, 491–495, 829
and forked flap from tail of vomer, 487–488
and free grafts of mucosa, 479
grafting of, 464
nasal mucosa transposition in, 484–485
and palatal island flap for lining, 525–541
split-skin graft in, 464, 475–479
and transposition of lateral pharyngeal flaps, 489–491
and T-shaped pharyngeal flap, 683–685, 1013
and turnover flap for hard palate notches, 485–486
vomer flaps in, 486–488
Z-plasty in, 474–475
septal flaps, 830–832
turbinate flaps, 832
Norta, on submucous cleft palate, 708
Nuffield, Lord, 401–402, 418
Nussbaum, V., 836
Nylén, B. O. S., 121, 128, 306–308, 635, 647, 690
Obermeyer, V. P., 810
Oberniedermayer, A., 317, 356
O’Brien, B., 360, 364–365
Obrurators, palatal, 877–894
combined with palatoplasty, 880–881
fixed bridge with, 883–884
for floating premaxilla, 892
and guidelines for prosthesis use, 884–885
historical aspects of, 877–880
and overlay denture, 892, 894
with pharyngeal flap, 889
with prosthesis for teeth and facial contour, 881–882
temporary use of, 889–892
use by Gillies and Fry, 414–417, 849–850
Obwegeser, H.
on jaw defects, 898, 899
mandibular surgery of, 917, 919–920, 923, 928, 929
maxillary surgery of, 937–939, 942, 945, 947, 949, 955–957, 958, 959, 960–961, 964, 972, 975
combined with mandibular surgery, 966–970
Oclusion, disorders of, 82–84
O’Connor, G., 227, 229, 251, 823, 828–829
O’Connor, J. E., 243
Odenadt, in Finnish lay psalm, 1051
Odoi, H., 131
O’Donnell, J. P., 275, 282
Ohlsson, Â., 272, 273, 301, 327
Ohmori, S., 365–366, 468
Ohyama, K., 70
Oikari, T., 365
Oldfield, M., 21, 384, 430, 503, 810
Olin, W. H., 63, 221, 281–282, 712
Ollier, M., 355, 359
Ombrédanne, L., 217, 500
One-stage closure of total cleft, 745–752
Oncal, R., 815–816, 901
Open bite, 83
anterior, correction of, 109–111
Optical profilometer, 120
O’Riain, S., 734
Oronasal fistulae. See Fistulae, closure of
Orthodontics
and correction of anterior open bite, 109–111
and facial and palatal growth patterns, 104–111
in maxillary dental dysplasia, 98–99
and maxillary surgery, 946

1195
Orthodontics—Continued
palatal expansion appliances in, 96–98
role in jaw defects, 898
and timing of surgery, 738
Orthognathia, 105
Orthopedics, maxillary, presurgical, 263–298
Orticco, M., 657–659, 1012
Ortiz-Monasterio, F., 62, 211, 751
Osborne, R., 439
Ossification centers, in maxillofacial region, 16–18
Osteogenesis, periosteoplasty affecting, 359–362
Osteoplasty. See Bone grafting
Osteotomies, 215–222
in bilateral clefts, 219–221
and bone flaps, 205–214
dangers in island flap procedure, 531, 561
and handling of neurovascular bundles, 467–468
Le Fort I, 934–955
Le Fort III, 952–955
mandibular, 902–906
horizontal, 911–914
oblique subcondylar, 914–915
subcondylar, 909–910
vertical, 916
premaxilla excision, 215
timing of, 973–974
in unilateral clefts, 216–218
Otitis media. See Ear disease and hearing loss
Otorrhea, 121
Ott, J., 714–715
Ousterhout, D., 681
Owlsley, J. Q., Jr.
on bone grafting at 12 years, 353
on complications from pharyngoplasties, 689, 690
on early bone grafting, 336
on failure of surgical closure, 809
on height of pharyngeal flap base, 636
middle third nasal turnback flap, 622
on pharyngeal flaps in secondary surgery, 695–696
repositioning of pharyngeal flap, 698
vomer flaps for nasal defect, 487
Oya, N., 642, 648–649

Padgett, E. C.
cheek flaps of, 826–827, 834
chest and neck flaps of, 838
criticism by Brown, 694
lip flap for nasal lining, 830
pharyngeal flaps of, 615
tube pedicles of, 843–844, 848

Pagnamenta, E., 121

Palate
analogue of, 986–987
distance of shelves from premaxilla, 104, 106
lengthening of. See Lengthening of palate
muscles of. See Musculature, of palate
Palatine arteries, 41, 42, 43. See also Neurovascular bundles
Palatine nerves, 47. See also Neurovascular bundles
Palatoglossus muscle, 30–31, 510
Palatopharyngeal arch, and palate extension by union of pillars, 399, 402–410
Palatopharyngeal flaps. See Pharyngeal flaps
Palatopharyngeus muscle, 31
in cleft palate patients, 505, 510
surgical division of, 498, 499
transplant of, 658
Palmaris longus muscle, use as purse-string, 864–865
Panama, plastic surgery in, 1058–1059
Pancoast, J., 219, 497
Panigatti, H. L., 820
Paparella, on ear pathology, 135
Paradise, J. L.
on blood supply of palate, 43
on ear pathology with cleft palate, 124, 125, 126, 127, 131, 135
on feeding techniques, 161
Paraffin, retropharyngeal implants of, 867
Paré, A., 877
Paresis, palatal, 728-730
Parris, P., 730-731
Passavant, G.
adhesion method for reduction of velopharyngeal aperture, 605
check flap for nasal defect, 492
correction of velopharyngeal insufficiency, 651
obturator of, 880
palate extension by union of posterior pillars, 399
modifications of, 402-409
pushback procedures of, 473
with transverse releasing incisions, 411-412
on speech defects, 606
on spontaneous closure of clefts, 707
on submucous cleft palate, 708
theories of, 383-389, 394, 434
Passavant’s ridge, 651-652, 1002, 1011
after maxillary advancement, 703
muscular identity of, 503
Pasternak, R., 926
Patten, B. M., 5-6, 16-18
Patterson, T., 174, 183, 809
Paulsen, J. W., 128
Payr, E., 834
Peacock, E., 462, 989, 1019
Pearl, R., 800-801
Peat, J. H., 274
Pedicle flaps. See Tube pedicles to palate
Peet, E. W.
approval of island flap, 546
book with Patterson, 174
dissection in space of Ernst, 501
mucoperiosteal flaps for palate closure, 408
one-stage closure of clefts, 749
speech assessment of patients, 735
on timing of surgery, 733
trained by Kilner, 429-430, 431
training of Innes, 716
use of anesthesia, 151
V-Y palate retropositioning of, 430, 431-434, 439
Penn, J., 683-684
Pepersack, W., 923, 924
Periosteal flaps, 355-367
varied reactions to, 366-367
Periosteal grafts, free, 368-373
Periosteum
excessive undermining at early age, 95, 116
microvascular anastomosis of, 373-374
Perko, M.
approach to muscles in cleft palate, 516
maxillary surgery of, 960
with mandibular surgery, 970
pharyngeal flaps in scarred palate, 630
on results of early bone grafting, 347
V-Y palate retropositioning of, 445-446
work with Hotz and Gnoinski, 282
Perthes, G., 867
Peter, K., 710
Peterson-Falzone, S., 730-731
Petit, P., 424, 734
Pfeiffer, G., 73, 311, 317, 347, 960
Pharyngeal artery, ascending, 42
Pharyngeal flaps, 603-703
affecting hearing, 132
augmentation of, 698-700
bilateral
intercrossing of, 660
transverse, 665-669
combined with pushback, 671-687
Pharyngeal flaps—Continued
compared to island flaps, 572, 588
comparison of three insertions, 685–687
complications and failures of, 689–693
design of width by logic, 630–631
detachment of, 691–692
and directions of contracture, 636, 697
donor area in, 636–637, 686–687
dynamic, search for, 663–669
evaluation of, 1012–1013
evaluation of attachment methods, 631
for extraoral mucosa, 685
fishtail attachment of, 621
and fold-back principle for creating obturator of scar tissue, 650
and forward projection of pharyngeal wall, 651–661
importance of level of base, 636
indications for, 566–567, 632
inferiorly based, 605–612
compared to Hynes pharyngoplasty, 654
compared to superior base, 633–638
use with superior base, 637–638
with island flap, 595–596, 600
personal cases of Millard, 802–805
in submucous cleft palate, 716
lateral, 613–614
transposition of, 489–491
lateral port control, 627–630
levator retrodisplacement with, 729–730
longest, 623–624
and maxillary development, 700–701
and maxillary surgery, 702–703, 977
middle third nasal turnback, 622
mini-flaps, 650
muscle fiber direction in, 625, 664
obturators with, 889
in palatal paresis, 728–730
posterior, attachment to velum, 528
primary, 639–650
advocates of, 639–647
comments by Millard, 650
justification of, 648–649
opposition to, 647–648
personal cases of Millard, 778–781
for side-to-side relief, 645–646
repositioning of, 698
in secondary surgery, 693–697
personal cases of Millard, 800–802
and speech results, 630, 998
with superior base, 614–631
anteriorly, 625–626
compared to inferior base, 633–638
lining of, 626–627
in submucous cleft palate, 719
use with inferior base, 637–638
suspenory, 624–625
T-shaped, 683–685, 1013
teflon injection with, 700
tertiary, 798–799
three-fingered, 697
timing of, 631–632
tonsillectomy with, 691
and velar split exposure, 622–623
wide, 619–620
Pharyngoplasty techniques, 651–661
comparison of methods, 1012–1013
complications of, 689
implants in, 867–876
timing of, 689

1198
Pharyngoscopy, nasal, 1007–1010
Pharynx, 36
  large, congenital, 727–728
  lateral adhesions for, 613
  muscles of, 33–36
Phenobarbitone, and induction of
submucous cleft palate, 9
Phillips, B., 1020
Physical defects, individual reac-
tions to, 1041–1042
Pichler, H.
  closure of hard palate, 310
  mandibular surgery of, 927
  septal mucosa flap for closure of
  palate, 342
  timing of surgery, 739
  training of Trauner, 250
  treatment of premaxilla, 219
  vomer flaps for palate closure,
  250–251, 252
Pick, J. F., 1044
Pickerill, J. P., 841, 848, 880
Pickrell, K. L.
  on bone grafting, 315–316, 326, 341
  closure of fistulac, 819
  on growth after surgery, 68
  psychological studies of patients,
  1047–1048
  studies of Passavant’s pad, 389
  on submucous cleft palate, 715
Pierce, G. W., 227, 229, 306, 644
Pierre Robin syndrome, 74
  cleft palate in, 94
and complications of pharyngeal
  flap surgery, 691
  embryology of, 5, 8
  feeding problems in, 163
  mandibular growth in, 926
  personal case of Millard, 798–
  799
Pigossi, N., 479
Pigott, R. W., 872, 1006, 1007–
1013, 1015
  on complications of pharyngeal
  flap surgery, 692
  evaluation of Millard patients,
  756, 776
  inspection of island flaps, 538
  on musculus uvulae, 32
  on nasopharyngoscopy, 1007–
  1013
  training under Reidy, 451
Pin-retained expandable prosthesis,
  276–278
Pineda, R., 701
Pinto, C., 438
Pionek, G. D., 210
Pipkin, I. H., 712
Pitanguy, I., 63
Podvinec, S., 22
Politzer, A., 130–131
Pollak, C., 691
Pollock, division of palatal mus-
  cles, 498
Pollock, G. D., 183, 184
Pollock, W., 571
Ponitz, as orthodontist, 907
Pontén, B., 70, 362
Pool, R., 645
Pope, B., 1047
Porterfield, H. W., 711, 719–721
Position of patient, in mouth sur-
  gery, 144–145
Postoperative care, 159–163
  in mandibular surgery, 906–909
Poswillo, D. E., 6–10, 16, 723
Potter, J., 219
Pourtois, M., 11
Prather, W., 129
Premaxilla
  distance from palatal shelves,
  104, 106
  excision of, 215
  factors determining size of,
  100–101
  protrusion of, in bilateral cleft
  lip, 100
  stabilization with prosthesis,
  112, 892
  surgical retrusion of, 113–115
  in deciduous dentition, 111–
  113
  indications for, 104, 106
  and preoperative evaluation,
  114

1199
Premaxillary flaps, 252–253
Preoperative care, 159
and maxillary orthopedics, 263–298
Prevomerine bone, grafting of, 317
Price, R., 68, 69
Prince, D., 189
Prison inmates, plastic surgery for, 1044
Profile, in complete bilateral cleft lip and palate, 104–113
Profilometer, optical, 120
Prognathism, 84, 105, 897
surgery in, 902–926
Prostheses
McNeil-Burston appliance, 264–271
obturator. See Obturators, palatal
pin-retained, expandable, 276–278
for premaxillary stabilization, 112, 892
Proud, O., 131
Pruzansky, D., 162
Pruzansky, S., 17
on arch form and nasal cavity width, 98
on arch form after surgery, 88, 90
on closure of velum, 233, 234
criticism of early bone grafting, 333–336
on factors in successful surgery, 379–380
on growth and development, 52, 58, 64, 66, 70, 71, 72–74, 75–76, 84–85, 103, 104
on hypernasality with absence of cleft, 730–731
on mandibular prognathism, 898
on nasal chambers, 88
on Pierre Robin syndrome, 926
on postoperative care, 162
premaxillary setback of, 220
on presurgical orthodontics, 278, 282
on protrusion of premaxilla, 100
on velar stretch factor, 521–522
on work of Berkowitz, 80
work with Bluestone, 125
Prydo, U., 367
Psamé, J., 233, 245
Psychological reactions to physical defects, 1041–1060
and antisocial behavior, 1043–1045
and exporting of goodwill, 1053–1059
and individual reaction patterns, 1041–1042
and success stories, 1047–1053
and suicide, 1046–1047
without surgery, 1052–1053
Pterygoid muscles, medial, lateral transposition of, 859
Pterygoid nerve, internal, 47
Pullen, F., 135–139, 794, 798, 800, 1021
Pullen plug, 139–140
Pushback procedures combined with pharyngeal flap, 671–687
Dorrance. See Dorrance, G. M., pushback procedure
and handling of neurovascular bundles, 467–472
horseshoe-shaped incision in, 453–465
and humping of excess oral mucoperiosteum, 525–526
and making island of hump, 528–533
with levator retrodisplacement and pharyngeal flap, 729–730
nasal raw area in, 450, 457, 459, 460, 473–495. See also
Nose, raw area after pushback procedures
in submucous cleft palate, 719
transverse releasing incisions in, 411–418
V-split flap in, 436
Querze, R. H., 66, 889
Quick, B., 842–843, 848
Quigley, L. F., 66, 619, 889
Quinn, G. W.
on bone grafting, 315–316, 326, 341
on growth after surgery, 68
mandibular surgery of, 915
on scholastic achievement of cleft patients, 1048

Radiation, and cleft palate induction, 5, 9
Radin, L., 747
Radiography, in evaluation of velopharyngeal function, 984–985
Ragawaldinpoika, T., 1050–1052
Ragnell, A., 912
Rakoff, S., 1002
Ramstad, T., 65, 883
Randall, P.
approach to muscles in cleft palate, 517
on base of pharyngeal flap, 634, 635
on blood supply of palate, 43
closure of fistulae, 815
on complications of pharyngeal flap surgery, 691
discussion with Millard, 549
dissection of neurovascular bundle off flap, 471
on ear pathology with cleft palate, 123, 131
lip adhesion procedure, 246
maxillary advancement with pharyngeal flap, 702
on palatal tomography, 712
on pharyngeal flaps in primary surgery, 649
on timing for pharyngeal flaps, 632
treatment of palatal paresis, 728
Ranta, R., 365, 371
Rantala, S. L., 568
Ranzi, E., 817
Reaves, E. L., 314
Rebeil, on unoperated clefts, 62
Récamier, J., 149, 423–424
Rees, T., 712, 1057
Reese, J., 206
Reflux, and otitis media, 121
Regnoli, lip flaps of, 829
Rehrmann, A.
assessment of patients, 739
on research by Joss, 362, 363
on results of early bone grafting, 341–343, 346, 347, 349
work with Schrudde, 301
Reichert, H.
on bone formation between mucoperiosteal layers, 366
bone grafting of, 300, 309–311, 327
lateral velopharyngoplasty of, 659–660
use of island flap, 552
Reichman, J., 325–326
Reichman, L. C., 1042
Reid, D. A. C., 814, 856–857
Reidy, J. P., 430–431, 439, 655–656
Relaxing incisions, 177, 184–186
Renfrew, C., 735
Réthi, A., 613–614
Réthi, L., 47
Retrognathia, 84, 105, 897
surgery in, 926–930
Rhinolalia. See Speech
Rib, as graft donor area, 301, 307, 308, 311, 313, 315, 316, 317, 318, 321, 325–326
Rich, A. R., 28, 38, 39, 47, 48, 130
Richards, C., 648
Richardson, S. O., 65
Richmond, J. B., 926
Ricketts, R. M., 67, 996–998
Riley, J., 1021, 1035
Rinderer, L., 973
Rintala, A., 1050
Rintala, A.—Continued
  closure of fistulae, 816–817
  free periosteal grafts of, 370, 371
  periosteal flaps of, 365
  use of island flap, 567–568
Ritchie, H. P., 227
Ritsilä, V., 360, 370–372
Ritter, R., 242
Robbe, N., on periosteoplasty, 360
Robert, M., 167, 224
Roberts, A. C., 884
Roberts, J. B., 413
Robertson, N. R. E.
  on bone grafts after rapid expansion techniques, 352–353
  on presurgical orthopedics, 275–276, 282
  on results of early bone grafting, 345, 349
  on timing of surgery, 738
Robinson, D., 122, 809
Robinson, F., 320–321
Robinson, M., 715, 914–915
Rockert, H., 330
Roe, W. J., 204, 206
Rogers, B. O., 167, 877, 878, 1049
Rosasco, S., 565
Rose, R., 144, 145, 219
Rosenstein, S. W., 318–319, 320, 338
  book with Grabb and Bzoch, 5, 234, 434, 640, 815, 926, 1013
Rosenthal, W.
  arm flap of, 838
  cheek flaps of, 825, 833
  on growth and development, 55–56
  on lateral pharyngeal flaps, 614
  lip flaps of, 829
  on timing of pharyngoplasty, 689
  use of pharyngeal flaps, 603, 607–608
  in palatal paresis, 729
Ross, M. A., 130
Ross, P., 378
Ross, R. B., 210, 701
Rosselli, D., 404
Roth, R. F., 1055–1056
Rotter, J., 836
Roux, P. J.
  feud with von Graefe, 172–173, 174, 178
  lack of anesthesia, 142
  palate surgery for Stephenson, 1052
  pushback operation with transverse releasing incisions, 411
  on submucous cleft palate, 707–708, 728
  surgical techniques, 168–173, 186
Rovilarta, pushback combined with pharyngeal flap, 675
Rowe, N., 935, 953, 958
Roy, J., 7, 9
Ruberg, R., 702
Rubin, L. R., 690, 926
Ruding, R., 28, 468, 478, 500, 509–511
Ruppe, C., 229, 421
Russell, J. A., 66, 619, 889
Russolillo, G., 803
Rutenberg, D., 651
Ruyao, S., 605
Sabatier, A., 249, 830–831
Sade, J., 135
Sakura, C., 714–715
Salinas, C. F., 278
Salpingopharyngeus muscle, 34
Salyer, K. E., 631, 729, 976
Sandel, A., 720
Sandwich principle, with island flaps, 557–564, 686. See also Island flap, sandwich principle in
Sanson, lip flaps of, 829
Santoni-Rugiu, P., 360, 364
Sanvenero-Rosselli, G., 20, 23
  palate extension by union of posterior pillars, 402–404

1202
pharyngeal flaps of, 616–617, 639
combined with pushback,
676–677, 678–679, 681,
686
Sarnäs, K. V., 326, 345
Sarnat, B. G., 52, 53–55, 228, 239
Sasaki, M., 275
Sayre, maxillary compression of,
224, 225
Scammon, R. E., 75
Schilli, W., 347–348
Schlaepfer, neck flap of, 834
Schliesser, H., 132
Schlitsky, obturator of, 880
Schmid, E.
bone grafting of, 299–300, 327
cheek flaps of, 827
on early bone grafting, 336,
344, 347
training of Reichert, 309
translation of Dieffenbach, 178,
203
Widmaier as patient of, 308,
444
Schoemaker, J., 217
Schoenborn, K. W. E. J., 606–607,
614, 633, 689
Schoeny, A. G., 975
Scholastic achievement, of cleft
patients, 1048
Schröder, F., 245, 317, 689
Schrudder, J., 301–306, 309, 347
Schuchardt, K.
bone grafting of, 311–312, 329,
357
book with Steinhardt and
Schwenz, 259, 812
mandibular surgery of, 919,
928
maxillary surgery of, 934, 964
nasolabial flap of, 834
Rehrmann as assistant to, 342
timing of surgery, 739
training of Heller, 660
training of Kriens, 23
translation of von Graefe, 168
tube pedicles of, 848, 849, 857
work with Pfeifer, 317
Z-plasty lengthening of soft palate,
396
Schuh, division of palatal muscles,
498
Schuknecht, H., 135
Schultz, L., 60, 219
Schulze, C., 902
Schuring, A. G., 1044
Schwartz, A. W., 189
Schwartz, M., 976
Schwarz, R., 903
Schweckendiek, H., 235–239, 245–
246, 739
Schweckendieck, W., 236–239,
245–246, 739
Schwenzer, N., book with
Schuchardt and Steinhardt,
259, 317, 812
Scott, J., 52, 314
Sedillot, division of palatal muscles,
498
Sedláčkova, E., 673
Seeman, M., 710
Segall, B., 1021
Segre, R., 675
Seider, H. A., 582
Seif, S., 129
Senn, N., 399
Senturia, on ear pathology, 135
Septal artery, posterior, 41
Shah, R. M., 11
Shakespeare, W., 1042–1044
Shapiro, H., 937
Shapiro, S. D., 278
Sharma, R. N., 647
Shaw, W., 275–276
Shea, B. F., 224
Shearer, W., 218, 227, 228
Sheehan, E., 400–401
Sherman, D., 1030
Shermann, H., 200
Shields, E., 1020, 1021
Shiere, F., 275
Shigematsu, T., 889
Shprintzen, R. J., 36, 631, 685–
687, 1002
Sieber, H., 819–820

1203
Silicone, retropharyngeal implants of, 869–870
Silver, W. E., orthodontic correction by, 801
Silverstein, B., 641, 690
Silverton, J., 661
Simon, B., 960
Simon, G., 394
Simpson, R. K., 522
Sims, treatment of premaxilla, 219
Singer, as assistant to Obernedermayr, 356
Singleton, A. O., use of Langenbeck operation, 191
Sinko, G., 1021, 1035
Skarthy, T., 1049
Skey, division of palatal muscles, 498
Skin grafts
to cover vomer flap surface, 254–256
for nasal lining, 464, 475–479
Skolnick, M. L., 36, 694, 999–1005, 1016
Skolnik, E. M., 121, 123–124, 130
Skoog, T.
on base of pharyngeal flap, 633, 641
bone grafting of, 317, 344
on complications from pharyngoplasties, 689, 690
on growth after surgery, 70
on height of pharyngeal flap base, 636
periosteal flaps of, 356–362
on presurgical orthodontics, 280
pharyngeal flaps of, 647
three-fingered, 697
on pharyngeal flaps in secondary surgery, 693
training of Nylén, 306
Skull
as graft donor area, 327
growth of. See Growth and development
Slaughter, W. B.
on blood supply to palate, 41

on growth and development, 84, 103
on timing of surgery, 60, 64
velar closure with later hard palate closure, 231–234, 238, 239
Slepyan, D., 147
Smiley, G. R., 9, 10–13
Smith, B., 854
Smith, H., 690
Smith, H. L., 412
Smith, J. K., 690, 809
Smith, J. W., 634
Smith, N., 175
Smith, R. M., 901
Smith, R. R., 664
Smith, T., 143, 145
Snell, S., 612
Snell, J., 879
Sonodrasso, R. M., 59
Snow, J., 141, 142
Soft palate. See Velum palati
Soiviö, A., 365
Soliman, A., 514, 715–716
Sommerlad, B. C., 1010
Soudijn, E. R., 128
Speech
and causes of velopharyngeal incompetence, 724–730
defects after tonsillectomy, 726–727, 772, 799, 801
and diphthong formation, 624
after early pushback with island flap, 764
evaluation of, 981–1016
and hypernasality with absence of overt cleft, 730–731
maxillary surgery affecting, 975–977
muscular mechanisms in, 503, 505
after one-stage closure of clefts, 750
pharyngeal flaps affecting, 630
pharyngoplasty affecting, 655–656
and role of Passavant’s ridge, 386–388

1204
and size of velopharyngeal port, 627
in submucous cleft palate, 707
timing of surgery affecting, 733–736
velar stretch factor in, 521–523
Speech therapy, 1023–1030
foibles and follies of, 1033–1036
and ventrilqueous, 1036–1039
Sphenopalatine artery, 41, 46
Sphenopalatine nerve, 47
Sphincter pharyngoplasty techniques, 657–661
Spiessl, B., 925
Spina, V., 479
Spira, M., 1044
Sprague, E. W., 189
Spriestersbach, D. C., 1030
on blood supply of palate, 43
on deafness with cleft palate, 121, 129
evaluation of nasal air escape, 985
evaluation of velopharyngeal function, 987–988
on pharyngeal flap as speech mechanism, 630
Stark, D. B., 484–485, 999
Stark, R. B.
on complications of pharyngeal flap surgery, 690
on embryology, 3, 4–5
on growth deficiencies, 84
on osteotomies, 216
pharyngeal flaps in primary surgery, 639–641, 650
pushback combined with pharyngeal flap, 677
training of Roth, 1055
training of Weatherley-White, 714
Starr, F. M. G., 199
Stearn, C. H., 879, 880
Steffensen, W., 427, 473, 652
Stein, K., 300, 326
Stein, L., 385
Steinhardt, G., 259, 356
book with Schuchardt and Schwenzler, 317, 812
Steinhauser, E., 970
Stellmach, R. K.
bone grafting of, 301, 309, 313–314
on early pharyngeal flaps, 605
on fate of bone grafts, 329
osteoplasty with flap, 342
periosteal flap repair, 362
on presurgical orthodontics, 279
primary velopharyngeal adhesion of, 649–650
on results of early bone grafting, 347, 348
use of island flap, 567
vomerine mucosal flap of, 258, 311, 313, 321
Stenström, S., 213, 253–256, 340–341, 344
Stephenson, J., 170–173, 178, 1052
Stephenson, K. L., 827, 843
Stereophotogrammetry, 120
Stevens, A. H., 175–176
Stewart, J., 714–715
Stickle, R. L., 573
Stilwell, D., 681, 913, 937
Stöckli, P., 967
Stool, S. E., 123–124, 131, 133, 134, 691
Straatsma, C., visit with Warren Davis, 206
Strait, C., 62, 142, 1041, 1043
Straus, W. L., 48
Streeter, G. L., 3
Striker, P., 713
Strombeck, J., 683
Sturim, H. S., 700, 871–872
Stutenville, O. H., 620
Submucous cleft palate, 707–721
asymptomatic, 714–715
and Calnan controversy, 720–721
and congenital hard palate holes, 721–722
defining of, 713–714
diagnostic aids in, 711–721
and ear disease, 126

1205
Submucous cleft palate—Continued
and effects of adenoideectomy, 133
embryology of, 9, 11
pathogenesis of, 723
personal cases of Millard, 772–776, 799
timing of surgery in, 739, 742
treatment of, 715–720, 722–723
Subtelny, J. Daniel
on adenoidectomy, 727
analysis of pharyngeal flap mobility, 692
evaluation of pharyngeal flaps, 648–649
on growth and development, 65, 66, 67, 75, 76
on maxillary growth after pharyngeal flaps, 701
on nasal chambers, 88
on pharyngeal dimensions, 997
on prosthetic therapy, 887
on tissue deficiencies, 85
on unoperated clefts, 62
Subtelny, Joanne D., 648–649, 692
Suchard, E. P., 916
Sucheston, M. E., 38
Suction test, postoperative, 991
Suersen, W., 880
Suicide, in cleft palate patients, 1046–1047
Sullivan, D., 489–491, 564, 991
Sultan, C., 817
Šupišek, I., 673
Surgeons, cooperation with dental teams, 79–93
and team approach in habilitation, 1018–1023
Surgical techniques. See Closure of clefts
Surgical trauma
affecting growth and development, 53–69
and ear disease, 130–132
Surgicel, use of, 357, 358, 361, 364, 365, 370, 944
Suthunyarat, P., 648
Sutures, for cleft palate closure, 167–176
Swanson, L. T., 65
Swinyard, C., 663, 664, 679, 712, 728
Syme, J., 499
Tait, C. A., 131, 499
Taiwan, plastic surgery in, 1055
Takahashi, S., 553–554, 570, 574
Tange, chisel for osteotomy, 468
Tanner, J. M., 75
Taub, S., 1006, 1008
Teeth
blood supply of, 43
and cooperation of dental teams with surgeons, 79–93
and dental prostheses. See Prostheses
eruption into bone graft, 328, 329, 330
facial contour correction with dentures, 965
malposed, correction of, 957–964
maxillary dental dysplasia, 97, 98
transplantation of, 307–308
types of malocclusion, 82–84
vitality after surgery, 975
Teflon
injections with pharyngeal flap failure, 700
retropharyngeal implants of, 870–873
Templeton, J. B., 912–913
Temporalis muscle, transfer with fascia, 860–862
Tension relief, relaxing incisions in, 177, 184–186
Tensor tympani muscle, 28, 136–137
Tensor veli palatini muscle, 27–28, 29
blood supply of, 42
in cleft palate, 29
innervation of, 39, 47
relation to Eustachian tube, 28, 38, 130, 137
Tessier, P.
bone grafting of, 326–327
as friend of Dautrey, 924
on mandibular prognathism, 898
maxillary surgery of, 940, 943, 953, 965, 977
advancements with pharyngeal flaps, 702, 703
visits to Gillies, 936
Thiersch, C., 833
Thilander, B., 254, 340–341, 344
Thompson, J. E., 189, 227, 400
Thompson, N., 862–864, 865
Thorne, F. L., 551, 590–591
Tibia, as graft donor area, 301, 327
Timing of presurgical orthodontia, 265, 275, 276, 282
Timing of surgery, 480
Burian on, 257
and ear disease prevention, 122, 127–129
effects on growth patterns, 232, 238–241
and conflicting findings in animals, 239
and maxillary growth, 52, 736–738, 744
effects on speech, 733–736
and efficacy of early complete closure, 736, 739–740
and guidelines for treatment, 119
in island flap procedure, 573, 596
and logical design of treatment, 740–741
in mandibular surgery, 902
in maxillary surgery, 946–947
in osteotomies, 973–974
for palatal closure, 94, 733–744
with pharyngeal flaps, 631–632
in pharyngoplasty, 689
and type of surgery, 739
views of Millard, 742–744
Tito, Marshall, 854
Todd, T. W., 52
Toggle tacking, for mucoperiosteal flap fixation, 464–465
Toledo, on ear pathology, 131
Tomasoni, S., 347
Tomography
in diagnosis of palatal defects, 712
in evaluation of velopharyngeal function, 984
Tongue flaps, 830
in closure of fistulae, 817–821
lateral, 860
Tongue stitch, use of, 154
Tonsillar artery, 42
Tonsillectomy
and ear disease, 132–133
with pharyngeal flap operation, 691
speech defect after, 726–727, 772, 799, 801
Tonsils, 36–37
growth and development of, 76
Torres, A., 818
Tortil, on periosteoplasty, 360
Trabue, J. C., 711
Transplantation of bone. See Bone grafting
Transposition flaps, for palate closure, 449–451
Trasler, D. G., 8
Trauner, R.
description of Rosenthal, 608
on failure of surgical closure, 809
lateral flap pedicle of, 258
lateral pharyngeal flaps of, 614
mandibular surgery of, 917, 927–928, 929
modification of Burian-Trauner flap, 311
on Pichler, 250
on size of lateral ports, 630
training of Obwegeser, 919
training of Widmaier, 444
Treacher Collins syndrome, mandibular surgery in, 929
Trélat, U., 146, 498, 708, 720, 722
Trendelenburg, F., on pharyngeal flaps, 606
Trevaskis, A. E., use of Kilner V-Y procedure, 429
Trier, W. C., 1019-1020
Trigeminal nerve, 47
Trusler, H., 720
Tube pedicles to palate, 526-527, 841-858
of cheek mucosa, 828-829
to plug fistula, 851-852
pushed out of mouth, 526, 852
Tucker, A., 860
Tuckey, cineradiography of, 710
Tuerk, M., use of Kilner V-Y procedure, 429
Tunney, G., fight with Dempsey, 531
Turner, G., 425
Turner, W. A., 47
Two-layer closure of clefts, 256-262
Tyler, M. S., 13
Tympanometry, 138

Ulrich, maxillary compression of, 224
Unilateral clefts, 88
complete, 88-92
and excessive periosteal undermining at early age, 95-96
and timing of surgery, 739, 742-743
treatment with Latham method, 285-292
Uranoplasty, 203-205. See also Closure of clefts
Uvula, lengthening of, 393-395
Uvular muscle, 31-33, 510

Vagus nerve, 48
Valderrama, M., on unoperated clefts, 62
Van Riper, diagnosis of submucous cleft palate, 712
Variables in growth and development, 71-74
Variations in cleft types, 71, 87
Vascularity, of periosteal flaps and grafts, 373-374

Vaughan, H. S., 219, 402, 437
Veau, V.
on alveolar clefts, 257
on anatomy of palate, 20, 23, 29, 30
anti-tension suture of, 190
bone grafting of, 299, 300, 311
on congenital hard palate holes, 722
on embryology, 3-4
fissural muscle of, 510, 511
influence on Pruzansky, 64
influence on Wardill and Kilner, 425-426
intramuscular suture of, 421, 430, 456, 502-503
on maxillary compression, 229
opposition to tube pedicles, 841, 843
on Passavant’s ridge, 385-386
on position of patient, 145
procedure for nasal lining, 342
speech therapist of, 592
on submucous cleft palate, 720
timing of surgery, 739
vomer flaps for palate closure, 251-252, 260
V-Y palate retropositioning of, 421-424
criticism by Dorrance, 453-454
use by Kilner, 427-428
Velasco, J. C., on plastic surgery for prisoners, 1044
Vele, F., 634, 663-664, 674
Velopharyngeal closure
evaluation of, 981-1016
endoscopy in, 1006-1013
fluoroscopy in, 992
and nasopharyngeal configuration, 996
and pharyngeal dimensions, 996-998
postoperative suction test in, 991
videofluoroscopy in, 999-1005, 1016
by Passavant, 389
pharyngeal flaps in. See Pharyngeal flaps
Velopharyngeal function, 26
adenoid tissue affecting, 76
and aerodynamics of orifice, 987–1005
and motor nerve supply, 48
and port size affecting speech, 627–628
Velopharyngeal incompetence, 724–730
in congenital large pharynx, 727–728
in myasthenia gravis, 728
in palatal paresis, 728–730
and submucous cleft palate, 707–723
after tonsillectomy and adenoidectomy, 726–727
Velum palati
anatomy of, 26
blood supply of, 42
clefts of, 87
bone grafting in, 310–311
closure with later hard palate closure, 231–247
and timing of surgery, 739, 742
growth and development of, 74–75
midline split for exposure, 622–623
stretch factor during speech, 521–523
V-Y lengthening of, 444
Z-plasty lengthening of, 395–397
criticism of, 397
Veneziani, A., 347
Ventriloquism, and speech therapy, 1036–1039
Verneuil, division of palatal muscles, 498
Verrusio, A. C., 9
Videofluoroscopy, in evaluation of velopharyngeal function, 999–1005, 1016
Vietnam, Barsky unit in, 747, 1056–1057
Vilar-Sancho Alter, B., 220, 549–550
Viñas, J. C., 873–874
Vitamin A hypervitaminosis, and cleft palate induction, 5, 14
Volp, C., 275–276
Vomer
as graft donor area, 327
resection of, 219–220
Vomer flaps
modification by Stellmach, 313
for nasal defect after pushback operations, 486–488
skin grafts to cover surface of, 254–256
V-Y palate retropositioning, 419–448
combined with pharyngeal flap, 676–677, 682
limitations of, 448
personal cases of Millard, 754–770
in soft palate cleft, 444
Waar, C. H., 729
Wahlin, Å., 690
Wald, H., 569
Walden, R. W., 690, 926
Walker, B. E., 8
Walker, D. H., 235, 261, 516, 621, 721
Walker, J. C., 208, 246, 395
Walker, T., 389
Wallace, A. B., 491
Wallace, A. F., 834–835
Wallbank, W. A., 152
Ward, P. H., 871
Ward, R. H., 131
Wardill, W. E. M.
anesthesia used by, 151
approach to anterior cleft, 252
criticism by Browne, 504
division of neurovascular bundle, 469
evaluation of speech results, 981

1209
Wardill, W. E. M.—Continued
four-flap pushback operation, 412, 426
use by Kilner, 428
on nasopharynx dimensions, 233
palatoplasty of, 68
on Passavant’s ridge, 385, 387, 651–652
pharyngoplasty of, 652–653
on position of patient, 145
resentment of government intervention, 426, 427, 620, 652
on retropharyngeal implants of cartilage, 867
speech pathologist for, 735
on speech therapy, 1024
training of Whillis, 34
V-Y palate retropositioning of, 425–427
work with Ayre, 150, 151
work with Morley, 42
Warren, D. W., 10, 563, 627, 988–991, 1019
Warren, E., 169
Warren, J. C., 174–175, 179
Warren, J. M., 143, 179–180, 181, 228, 499
Wassmund, M.
closure of fistulae, 812
closure of nasal floor, 310
feud with Axhausen, 190
maxillary surgery of, 934, 962, 964
training of Rehrmann, 342
Watson, J., 1010
Weatherley-White, R. C. A., 714–715, 719
Webb, M., 1052–1053
Weber, J., Jr., 636, 664, 696–697, 698
Webster, G., 306
Webster, J. P., 675, 686
Webster, R. C., 66, 479, 618–620, 639, 889
Webster, T., 417
Weinberg, B., 522
Weinberg, I., 1054

Weinberger, B. W., 877
Weise, W., 902
Weisman, P. A., 620, 642–645
Welsh, G. F., 44–46
Wepman, J., 871
Wessel, on growth and development, 57
Wesser, D., 747
Wethered, R., 416
Wexler, M. R., 55
Whillis, J.
on anatomy of palate, 20–21, 34, 425, 510
approach to muscles in cleft palate, 503
evaluation of velopharyngeal function, 984
on Passavant’s ridge, 651–652
Whitaker, L. A., 325–326, 634, 635, 702, 977
White, F. D., 538, 1008
White, W., 622
Whitehead, W., 145, 399, 498
Whitting, D. M., 750
Widmaier, W., 972
bone grafts of, 300, 308, 310, 327
flaps for palate closure, 362
use of Campbell incision for hard palate closure, 445
use of island flaps, 574
V-Y palate retropositioning of, 444
Wildt, A., 831
Williams, H. B., 654, 690, 809
Williams, S., 572–573
Williams, W., 729, 873
Willigen, training of Ernst, 501
Wilson-Mackby, L. F., 894
Winchester, R., 131, 634, 691
Winslow, R. B., 565
Winters, H. P. J., 708
Wirks, C., 1048
Wirz, J., 970
Wittel, R., 127, 131
Witzel, M. A., 703
Wiviott, W., 213
Wolfe, S. A., 1021

1210
on biology of bone grafts, 331
bone grafting of, 326–327
mandibular surgery of, 922, 924, 929–931
maxillary surgery of, 942–946, 948–949, 954–955, 962–963
on velopharyngeal incompetence from maxillary advancement, 702
Wolff, J., 187, 217, 707, 880
Wood, B., 320
Wood, M. B., 374, 1057, 1058
Wood-Smith, D., 712, 918, 944, 964, 976
Woolf, R. M., 152, 645, 929, 1044
Woolhouse, F. M., 275, 654, 690, 809
Woollam, D. H. M., 14
Worster-Drought, C., 728
Worthington, P., 576, 581–582
Wu, G., 719, 726, 728
Wunderer, S., 964
Wutzer, C. W., 204
Wyeth, J. E., 217
Wynn, S. K., 205, 209–214

Yamoto, K., 975
Yang-Chi, W., 1049
Young, F., 442
Yules, R. B.
on base of pharyngeal flap, 633
Z-plasty
combined oral and nasal, 519–520
for lengthening of soft palate, 395–397
criticism of, 397
for nasal defect after pushback, 474–475
Zahorsky, C., 664–667
Zausayev, V-Y palate retropositioning of, 443
Zaworski, R., 295, 1021
Zeis, E., 174, 183
Ziegler, maxillary compression of, 224
Zimmerman, E. F., 71
Zwemer, bone flap of, 209

1211