

ANESTHESIOLOGY

Volume 3

INDEX TO SUBJECTS

Items having boldface figures indicate titled subjects of articles

- Abdomino-perineal resection of rectum, nupercaine spinal anesthesia, **437**
- Abscess,
around respiratory passages, relation to anesthesia, 195
lung, cause, 198
- Acacia, use in shock, 624
- A. C. E. mixture, history, 288
- Acetone, early use, 12
- Acetylcholine, role in bronchial spasm, 136
- Acidosis, during anesthesia, **429**
- Adrenal cortical extract, 69
use in shock, 625
- Adrenalinemia, 304
- Aeroembolism (see air embolism)
- Aero-otitis media, treatment, 270
- Aeronautics, ill effects, treatment, 267
- Age, barbiturate overdose, prognosis, 40
- Air embolism, prevention, 266
- Airway,
importance in anesthesia, 83
introduction of, 692
obstructions, relation to anesthesia, 195
- Alcohol,
benzyl, local anesthetic characteristics, 674
ethyl,
intraspinally, 668
intravenously, 655
- Alkalosis, during fever therapy, 126
- Allergy, relation to bronchial obstruction, 201
- Altitude, effect on flyers, 267
- Alypin hydrochloride, local anesthetic characteristics, 674
- American Medical Association, first meeting, 15
- Amine oxidase, action on epinephrine, 49
- Ammonium chloride solution, perineural infiltration, 666
- Ammonium sulfate, intraspinally, 670
- Amylcaïne hydrochloride, local anesthetic characteristics, 674
- Anatomy,
basis for local anesthesia, 540
basis for splanchnic block, 393
respiratory tract, 61
relation to anesthesia, 195
- Anemia, spinal anesthesia in presence of, 630
- Anesthesia,
acid base balance during, **369**
acidosis during, **429**
after poison gases, 551
airway during, 83, 195
analogy to golf, 683
atelectasis following, 137
basal,
for plastic surgery, 512
with pentothal sodium, 458
block,
abdominal wall, 394
early use, 20
for plastic surgery, 512
maxillary, 282
paravertebral, 394
splanchnic, **392**
trigeminal nerve, 282
blood studies during, 193
circulation during, neurogenic control, **491**
colonic, 171
combined, for laryngectomy, 197
continuous spinal, 62, 214, **522**, 631
advantages, 59
concentrations of procaine, 160
disadvantages, 59
preparation of solution, 342
dental, monocaïne, 514
development (see anesthesia, history)
endotracheal (see anesthesia intratracheal)
ether-oil, 171
for abdomino-perineal resection, **437**
for burned patients, 513
for gastric surgery, splanchnic block, **392**
for plastic surgery, **507**
for pneumonectomy, **314**
for soldiers, 252
for tonsillectomy, dangers, 197
general,
curare during, 418
effect on small blood vessels, 146
history, 11, 171, 282, **650**
Morton's birthplace, 213
in desert warfare, 247, 379
in military base hospital, **379**
in navy, 459
induction, 508
infiltration, history, 21
inorganic gases in, **560**
insulin shock during, **660**
intramedullary, 312
intra-neural, 282
intratracheal, 557
atelectasis following, 79, 138
care after, 510
complications, effect of intubation, 135
early use, 315
ether vaporizer for, 379

- for chest operations, 319
- for plastic surgery, 507
- for upper abdominal operations, 528
- in wartime, 255
- surface anesthesia before, 342
- technic, 199
- intravenous,
 - advantages, 658
 - for military use, 257, 381, 657
 - for plastic surgery, 512
 - history, 650
- local, 540
 - for chest surgery, 319
 - for military use, 258
 - therapeutic use, 664
- methods, in base hospital, 254, 390
- obstetric,
 - early use, 287
 - oil-ether, 174
- oil-ether, 171
- paraneural, 282
- reactivation after, effect of shock, 619
- records, army, 253
- rectal, 171
 - history, 284
- regional, 540
 - early uses, 282
 - intravenously, 654
- relation of respiratory passages to, 195
- serial spinal (see anesthesia, continuous spinal)
- service, for small hospitals, 553
- spinal, 630
 - acidosis, 429
 - atelectasis following, 137, 201
 - circulation during, 421
 - collapse during, 159
 - combined epinephrine-ephedrine during, 49
 - complication, 444
 - continuous, 52, 160, 214, 342, 522, 631
 - contraindications, 544
 - deaths from, 276
 - dosages, 636
 - first used, 282
 - for abdominal perineal resection, 437
 - for military surgery, 258
 - for plastic surgery, 511
 - for thoracic surgery, 272
 - history, 21
 - oxygen during, 276
 - respiration during, 460
 - shock following, 177
 - Sise's method, 631
 - strychnine after, 276
 - supplements, 341
 - with cyclopropane, 525
 - technics, 630
 - therapeutic uses, 671
 - tolerance to procaine, 159
 - with magnesium salts, 326
 - with monacaine formate, 514
- splanchnic, for gastric surgery, 392
- subarachnoid (see anesthesia, spinal)
 - surface,
 - before intubation, 342
 - wartime use, 258
 - surgeon's comment, 455
 - via bone marrow route, 312
 - wartime, 247
 - pentothal sodium, 657
 - personnel, 388
 - risk, 382
 - spinal, 258
 - teaching, 433
 - with magnesium salts, 326
- Anesthésie à la reine, 12
- Anesthetics,
 - action on brain, 207
 - choice for pneumonectomy, 318
 - concentrations in blood, 373
 - general, action on blood vessels, 146
 - local, 295
 - bacteriocidal action, 516
 - characteristics, 673
 - intravenously, 654
 - pharmacologic effects, 398
 - role in atelectasis, 137
- Anociassociation, 282
- Anoxia,
 - danger during spinal anesthesia, 168
 - during anesthesia, 79
 - during cyclopropane anesthesia, 304
 - tissue, role in shock, 625
- Apnea, effect of belladonna alkaloids, 72
- Apomorphine, use in overdose of belladonna alkaloids, 77
- Apothesine hydrochloride, local anesthetic characteristics, 674
- Apparatus,
 - automatic recording of blood pressure, 141
 - cylinders for gases, 562
 - ether dripper, 214
 - Flagg's can (modified), 380
 - for animal anesthesia, 147
 - for continuous spinal anesthesia, 52, 631, 639
 - for intravenous anesthesia, 381
 - for military anesthesia, 379
 - for oxygen estimation, 566
 - for regional anesthesia, 282, 381
 - for spinal anesthesia, Australian army issue, 381, 631
 - for sternal puncture, 308
 - gas anesthesia, Australian army issue, 380
 - gas mask for warfare, 550
 - Goldman's ring, 510
 - introducer for malleable needle, 457, 458
 - laryngoscope,
 - Australian army issue, 380
 - curved, 580
 - Leech pharyngeal bulb gasway, 557
 - mask with stomach tube, 460
 - Matas Smyth pump, 315
 - mouth prop, 94

- negative pressure chamber, 315
 resuscitation outfit, 382
 Shipway's, 380
 vaporiser for ether, 379
 wartime anesthesia, suggestions, 390
- Arachnoid villi**, role in spinal anesthesia, 162
- Artificial respiration**, role in shock, 624
- Asthma**, during anesthesia, relief, 75
- Atelectasis**, 131, 200
 during anesthesia, 79
- Atropa belladonna**, 71
- Atropine sulfate**,
 action in laryngospasms, 74
 action on central nervous system, 71
 dangers, 77
 drying effect, 72
 effect on humans, 24
 effect on respiration, 72
 effect on vagus nerve, 74
 in barbiturate overdose, 44
 intravenously, 76
 prevention of bronchial spasm, 138
 relation to atelectasis, 137
 sedative effect, 73
 use in anesthesia, 71
- Australian Army Medical Corps**, 247
- Avertin** (see tribromethyl alcohol)
- Backache**, choice of anesthetic, 544
- Ballistocardiograph**, 422
- Bandages**, role in postoperative complications, 201
- Barbital**,
 discovery, 655
 effect on blood flow, 618
- Barbiturates**,
 acidosis, 429
 before pneumonectomy, 318
 effect of sulfonamides on action of, 46
 history, 655
 in overdose of belladonna alkaloids, 77
 in overdose of picrotoxin, 45
 laryngospasm caused by, relief, 74
 overdose, treatment, 37, 44
 role in atelectasis, 137
- Barium hydroxide**, 1
- Basal narcosis**, for soldiers, 252
- Beer**, intravenously, 650
- Belladonna alkaloids**, role in anesthesia, 71
- Bends**, treatment, 267
- Benzine**, early use for anesthesia, 13
- Binioidide of mercury**, 510
- Bleeding**,
 effect of carbon dioxide retention, 511
 importance in skin graft, 507
 prolonged, 616
- Blindness**, result of oxygen lack, 280
- Blood**,
 acid-base balance, 369
 anesthetic concentration, 373
 carbon dioxide content, 369
 effect on anesthesia, 369
 compatability, early studies, 653
 effect of fluid therapy, 65
 effect of picrotoxin, 41
 erythrocyte volume, during anesthesia, 373
 flow, 616
 injection into bone marrow, 307
 inspiration during anesthesia, 197
 lamb's, transfusion of, 650
 oxygen, estimation, 566
 plasma,
 after burns, 191, 513
 injection into bone marrow, 307
 pH, during anesthesia, 371
 preparation, 332
 preservation, 332
 specific gravity, 179, 181
 transfusion, 69, 191, 513
 value in shock, 189, 624
 volume, during shock, 618
 preservation, 332
 pressure,
 after barbiturate overdose, 44
 automatic recording, 141
 determination of vascular system changes, 147
 during continuous spinal anesthesia, 59, 523
 during spinal anesthesia, 421, 518, 642
 effect of epinephrine-ephedrine, 49
 effect of carbon dioxide excess, 6
 effect of cyclopropane anesthesia, 374
 effect of ether, 492, 498
 effect of magnesium salts, 325
 effect of monocaïne, 403
 effect of operation, 427
 effect of pituitary extract-ephedrine, 274
 in shock, 611
 pyruvate, 661
 serum bicarbonate during anesthesia, 373
 sludge formation, 623
 specific gravity, 67, 179, 181
 stored, 331
 studies,
 during cyclopropane anesthesia, 370
 during fever therapy, 125
 substitutes, 332
 transfusion,
 during operation, 318
 first used, 650
 recent advances, 331
 use in shock, 189, 624
 vessels, effect of anesthetics, 146, 493, 498
 volume, effect of ether, 494, 502
- Bone marrow**, route for injecting fluids, 307
- Brain**,
 effect of ether, 494
 effect of oxygen want, 280
 oxygen supply, 206
- Breathing** (see respiration)
- Bronchitis**, in soldiers, 254
- Bronchography**, 61

- Bronchoscopic aspiration (see tracheobronchial aspiration)
- Bronchoscopy, after tonsillectomy, 197
- Bronchospasm, 201
effect of atropine, 75
role in atelectasis, 136
- Bronchus, constriction of, effect on heart, 74
- Burns,
choice of anesthesia for, 713
pentothal anesthesia for, 657
shock, after, 619
blood studies, 190
treatment, 191
- Butyn sulfate,
comparison with monocaine, 298
local anesthetic characteristics, 674
- Caffein sodium benzoate, treatment of spinal headache, 442
- Caisson disease, treatment, 267
- Calcium chloride, use in magnesium salts overdose, 325
- Calcium hydroxide, 1
- Calcium salts, anticonvulsant action, 678
- Canisters, for soda lime, 689
- Capillaries,
action of anesthetics, 146
effect of hemorrhage, 616
effect of spinal anesthesia, 165
- Carbohydrates, postoperatively, 252
- Carbon dioxide,
after anesthesia, 253
blood, during cyclopropane anesthesia, 373
depletion, 317
during induction of anesthesia, 254
fatality, 384
during resuscitation, 83
in anesthesiology, 573
percentage in exhaled air, 4
percentage in exhausted absorbers, 7
postoperatively, 202, 253
in desert warfare, 387
preservative for blood, 332
prevention of air embolism, 266
retention, 430
effect on bleeding, 511
use during fever therapy, 125, 128
- Carbon dioxide absorbers, 1
Australian army issue, 380
ether dripper for, 214
handling of, 688
- Carbon dioxide absorption, 1
in military anesthesia, 256
- Carbon monoxide, in warfare, 547
- Carbon oxychloride (see phosgene)
- Cardiovascular system, effect of magnesium salts, 325
- Carnations, role in development of ethylene, 289
- Carotid body mechanism, effect of belladonna alkaloids, 72
- Carron oil, vehicle for ether, 286
- Cellular respiration, 204
- Cervical arachnoiditis, 444
- Chemistry, local anesthetics, 679
- Children,
intramedullary fluid administration, 313
local anesthesia for, 543, 544
- Chloral hydrate, intravenously, first used, 653
- Chloralozane, effect on blood flow, 617
- Chlorazol fast pink, 624
- Chloride of carbon, early use, 12
- Chloroacetophenone, 547
- Chloroform,
early use, 13
effect on heart, 534
in desert warfare anesthesia, 255
intravenously, 655
- Circulation,
during continuous spinal anesthesia, 523
effect of drugs, 24
effect of irritation, 74, 176
effect of monocaine hydrochloride, 403
effect of spinal anesthesia, 421
neurogenic control, 491
time, absorption of fluids, 312
- Clark window, 146
- Cocaine,
history, 19
infiltration, 282
intraspinally, 21
local anesthetic characteristics, 674
nerve block, with, 282
surface application, 258
- Cold, anesthetic properties, 283
- Color, marking of cylinders, 564
- Complications,
after continuous spinal anesthesia, 527
after poison gases, 549
after spinal anesthesia, 444, 520
during anesthesia, 79, 689
during spinal anesthesia, 519
postoperative, 17, 132, 200, 444, 520, 527
after tonsillectomy, 197
effect of intubation, 135
factors increasing, 136
in desert warfare, 254, 386
- Controlled respiration, 317
- Convulsions,
anesthetic, early report of, 17
effect of magnesium salts, 326
local anesthetic, 677
role of carbon dioxide, 431
- Coriamyrtin, 43
- Crocus metallorum, 650
- Curare, use in general anesthesia, 418
- Cylinders,
color markings, 564
for oxygen, 562
- Cyclopropane, 557
acid-base balance during, 369
acidosis during, 429
action of epinephrine for hemostasis, 511
action on small blood vessels, 149

- cardiac arrhythmias, 530
 curare during, 419
 effect on intestine, 303
 for gastric surgery, 393
 for military use, 255
 for plastic surgery, 511
 for pneumonectomy, 318
 history, 290
 insulin shock during, 660
 role in atelectasis, 137
 supplement to spinal anesthesia, 525
 with epinephrine,
 action on digitalized heart, 644
 tachycardia, prevention, 259
- Cyclopropyl ethyl ether (see ether, cypreth)
 Cyclopropyl methyl ether (see ether, cyprome)
 Cypreth ether, 414
 Cyprome ether, 293
- Deadly nightshade, 71
 Death, during anesthesia, 276, 384
 Decicaine (see pontocaine)
 Decompression, after deep sea diving, 268
 Decontamination, after poison gases, 549
 Dehydration,
 shock, 182, 187
 treatment, 69, 187
 Desert, anesthesia in, 247, 379
 Dextrose, blood preservative, 332
 Diabetes,
 choice of anesthetic, 543
 insulin shock, during anesthesia, 660
 spinal anesthesia in presence of, 631
 Dial, first used, 655
 Dichlorethylsulphide (see mustard gas)
 Diethyl-amino-methyl-benzo-dioxane (F883)
 action on heart, 536
 Diginin, 645
 Digitalis, effect on heart, 644
 Diorthane hydrochloride, local anesthetic characteristics, 674
 Diving, ill effects, treatment, 267
 Divinyl oxide, 290
- Drugs,
 absorption from subarachnoid space, 162
 analeptic, use in shock, 274
 antianaleptic, 83
 anticoagulant, first use, 652
 belladonna alkaloids, 71
 effects on human subjects, 24
 first hypodermic use, 17
 injection into bone marrow, 307
 local anesthetic, convulsive potency, 677
 stimulant, 83
 in barbiturate overdose, 42
 vasoconstrictor-local anesthetic, 514
 Dust, factor in carbon dioxide absorbers, 5, 7
- Eclampsia, effect of magnesium salts, 326
 Edema,
 impending, determination, 69
 relation to anesthesia, 195
- Embolism,
 air, prevention, 266
 during operation, 689
 role in lung abscess, 198
 Emphysema, subcutaneous, treatment, 266
 Encephalography, headache after, treatment, 266
 Ephedrine sulfate
 after barbiturate overdose, 44
 before spinal anesthesia, 439, 442, 633
 combined with epinephrine, 49
 combined with posterior pituitary extract, 274
 during continuous spinal anesthesia, 524
 during spinal anesthesia, 518
 site of injection, 342
 Epinephrine,
 action during cyclopropane, 530
 effect on digitalized heart, 644
 hemostasis with, 511
 tachycardia, prevention, 259
 combined with ephedrine, 49
 effect on action of ephedrine, 524
 effect with local anesthetics, 404
 mechanism of death from, 621
 synergism with monocaïne, 295, 407, 514
 to control bleeding, 199, 511
- Equipment (see apparatus)
 Erythroxylin, 19
 Eschatin (see suprarenal cortical extract)
 Eserine, 49
 Ether,
 cypreth, 414
 cyprome, 293
 diethyl,
 acidosis, 429
 action on small blood vessels, 154
 circulation during, 491
 early uses, 11
 effect on heart, 534
 prevention of tachycardia, 259, 536, 645
 for gastric surgery, 392
 for military use, 254
 for pneumonectomy, 319
 in normal saline, rectally, 172
 in oil,
 bactericidal action, 174
 colonic anesthesia, 171, 284
 history, 286
 intravenously, 655
 open method, in desert warfare, 379
 rate of evaporation from oil, 173
 role in atelectasis, 137
 role in bronchial irritation, 201
 spray, 283
 vapor, rectal administration, 171, 284
 vaporiser, 379
 ethylenated, 290
 Etherington-Wilson technic, 272
 Ethyl chloride,
 induction, wartime anesthesia, 254
 spray, 283

- Ethylchlorarsine, 547
 Ethylenated ether, 290
 Ethylene,
 action on small blood vessels, 152
 blood studies during, 374
 history, 288
 Eunarcon, introduced, 657
 Evipal, discovery, 657
 Explosion, static electricity, 85
- F883, action on cyclopropane-epinephrine
 tachycardia, 536
 Femur, injection of fluids into, 308
 Fever,
 effect on oxygen want, 123
 therapy,
 blood studies during, 125
 oxygen during, 123
 Fire extinguishers, gases from, 547
 Flagg's can, 380
 Flowers, effect of gases on, 289
 Fluids,
 injection into bone marrow, 307
 intravenously,
 after barbiturate overdose, 44
 during operation, 274, 318
 treatment of acidosis, 432
 loss, in burned patients, 190, 619
 output, 65
 replacement,
 in desert, 252
 in shock, 624
 therapy, 65
 hematocrit-protein pattern, 184
 utilization, 185
 Foramen rotundum, nerve block at, 282
 Foreign material, aspiration of, 134, 197
- Gas,
 bubbles, in blood stream, 267
 mask, for wartime, 550
 poisoning, anesthesia after, 551
 Gases,
 anesthetic, for military use, 255, 380
 inert, 265
 inorganic, 560
 noxious, 546
 Gastric contents, role in atelectasis, 138
 Gastro-intestinal tract,
 effect of drugs, 24
 effect of novatropine, 75
 Glucose,
 normal, role in shock, 624
 tolerance, during anesthesia, 661
 Goldman's ring, 510
 Golf, analogy to anesthesia, 683
 Grounding, 95
- Haldane resuscitator, 381
 Hamilton manometer, 422
 Head injuries, blood studies in, 193
- Headache,
 after encephalography, treatment, 266
 after spinal anesthesia, 442, 520
 Heart,
 action of cyclopropane, 530
 digitalized, action of cyclopropane, 644
 disease, spinal anesthesia in presence of, 630
 effect of cyclopropane, 259, 530, 644
 effect of ether, 491
 effect of irritation of respiratory tract, 74
 effect of magnesium salts, 325
 effect of stimulant drugs, 84
 pain, control, 668
 Heat,
 loss, from open chest, 319
 of neutralization, 1
 use in shock therapy, 625
 Hedonal, intravenously, 654
 Helium,
 in anesthesiology, 572
 in air illness, 269
 Hematocrit, 179, 180
 during shock, 618
 operation time determined by, 66
 protein patterns, 184
 Hemorrhage,
 detection, 69
 shock after, 69, 189, 623
 spinal anesthesia in presence of, 630
 Hemostasis, during cyclopropane anesthesia,
 511
 Heparin,
 role in shock, 624
 use in hematocrit determination, 180
 Hiccough, effect of pentothal, 525
 Histamine,
 role in bronchial spasm, 136
 role in shock, 622
 shock from, counteraction, 274
 Holocaine hydrochloride, local anesthetic characteristics, 674
 Homatropine, 71
 Horton intercoupler, arrangement of wires, 342
 Howard Jones' solution, 438
 Hydrochloric acid,
 effect on respiratory passages, 138
 local anesthetic characteristics, 676
 Hyoscine (see scopolamine)
 Hyoscyamine, use in anesthesia, 71
 Hyperpnea, effect of exhaustion of carbon dioxide absorber, 6
 Hyperpyrexia,
 after pentobarbital, 215, 457
 effect on oxygen want, 123
 Hyperventilation,
 after anesthesia, 252
 effect on arrhythmias, 536
 Hypoproteinemia, blood plasma for, 191
 Hypotension, 611
 Hypodermic injection, first use, 17

- Infantile paralysis, dangers of tonsillectomy, 195
- Inhalation therapy, record for, 579
- Intestine,
 action of cyclopropane, 303
 appearance in shock, 619
 distention of, treatment, 265
 obstruction,
 dehydration, treatment, 182
 spinal anesthesia in presence of, 630
 stripping, shock from, 624
- Intocostrin, 418
- Intracaine, 319, 523
 local anesthetic characteristics, 674
- Intratracheal tubes, 320
 prolonged use, 217
 stilets for, 342
 use in resuscitation, 276
 value of, 199
- Introducer, for malleable needle, 457, 458
- Iodine, idiosyncrasy, 61
- Iodoform vapor, use for anesthesia, 13
- Isobutyl amino ethyl para amino benzoate hydrochloride (see monoceaine)
- Keyes and McLelland solution, 438
- Kidney,
 disease, spinal anesthesia in presence of, 630
 operations, spinal anesthesia for, 635
- Knitting needles, stilets for intratracheal tube, 342
- Lachrymator gases, 547
- Larocaine hydrochloride,
 local anesthetic characteristics, 674
 topical use, 62
- Laryngectomy, anesthesia for, 197
- Laryngoscope,
 Australian army issue, 380
 curved, 580
 method of using, 199
- Laryngospasm,
 effect of atropine, 74
 effect of cypreth ether, 416
- Larynx, relation to anesthesia, 195
- Leech pharyngeal bulb gasway, 557
- Lipiodo-bronchography, 61
- Lithium hydroxide, 1
- Liver, disease, spinal anesthesia in presence of, 630
- London Hospital mouth prop, 94
- Lung,
 anatomy, 133
 effect of poison gases, 547
- Macasol, effect on bone marrow, 312
- Magnesium,
 carbon dioxide absorption with, 1
 ions, danger in fluid therapy, 188
 parenterally, 323
- Magnesium sulfate,
 intravenously, 655
 with rectal ether, 287
- Matas Smyth pump, 315
- Merthiolate, plasma preservative, 333
- Metabolism,
 during shock, 619
 effect of fever, 123
 relation to respiration, 204
- Meteorism, role in pulmonary complications, 201
- Methyl bromide, use in warfare, 549
- Methyl-propyl carbinol urethane (see hedonal)
- Metrazol, effect in barbiturate overdose, 42
- Metycaine hydrochloride,
 for continuous spinal anesthesia, 523
 local anesthetic characteristics, 674
- Military hospital, anesthesia in, 247, 379
- Miller-Abbott tube, treatment of distention, 266
- Monoceaine formate, 514
- Monoceaine hydrochloride,
 local anesthetic characteristics, 674
 pharmacologic effects, 295, 398
- Morphine paste, subcutaneous injection, 17
- Morphine sulfate,
 danger before anesthesia, 198
 discovery, 17
 effect on carotid sinus, 74
 effect on human subjects, 24
 history, 17
 intravenously, 55
 relation to atelectasis, 136
 with scopolamine,
 after continuous spinal anesthesia, 525
 in obstetrics, 287
 intravenously, first use, 655
- Mustard gas, 546
- Nausea, control during spinal anesthesia, 642
- Navy, anesthesia in, 459
- Neck infections, value of atropine, 74
- Needles,
 continuous spinal, 53, 526
 hollow, invention, 18
 spinal anesthesia,
 gold, 631
 with hole in bevel, 632
 sternal puncture, 308
 Tocantin's, 308
- Neosynephrin,
 during continuous spinal anesthesia, 524
 during spinal anesthesia, 442, 642
 effect on central nervous system, 276
- Nerves,
 after barbiturate overdose, 46
 splanchnic, 393
- Nervous system,
 action of atropine, 71
 control of circulation, 491
 diseases, contraindication to spinal anesthesia, 630

- effect of drugs, 24
 effect of magnesium, 324
 Neuritis, after barbiturate overdose, 46
 Nitric ether, early use, 12
 Nitrogen, 265
 blood, 571
 elimination of, 268
 importance in distention, 265
 narcotic action, 269
 preparation, 570
 use in anesthesia, 571
 Nitrous fumes, in warfare, 547
 Nitrous oxide,
 action on small blood vessels, 151
 for pneumonectomy, 318
 supplement to spinal anesthesia, 525
 use in desert warfare, 255
 with pentothal anesthesia, 657
 Nose, anatomy, 195
 Novatropine, 71
 Nupercaine,
 local anesthetic characteristics, 674
 spinal anesthesia, 272, 631
 for abdominal perineal resection, 437
 topical application, 62
 Obesity,
 effect of spinal anesthesia, 544
 effect on air embolism, 269
 Olive oil, with ether, 287
 Operation, effect on blood pressure, 427
 Opium, early studies, 17, 650
 Ouabain, effect on cardiac response, 644
 Oxidation, relation to respiration, 204
 Oxygen,
 administration during anesthesia, 168
 arterial, during cyclopropane anesthesia, 373
 blood, 564
 during continuous spinal anesthesia, 524
 during spinal anesthesia, 168, 518, 631, 642
 effect on pulse, 123
 high concentrations, value in shock, 625
 in anesthesiology, 560
 intraparyngeally, during spinal anesthesia,
 276
 lack, effect on brain, 206, 280
 metabolism, effect of drugs, 26
 poisoning, 269
 postoperatively, 321
 preparation of, 560
 subcutaneously, 548
 therapy,
 during fever therapy, 123
 effect on tissue nitrogen, 265
 in Australian army hospital, 381
 in subcutaneous emphysema, 266
 want, 123, 267
 with pentothal anesthesia, 657
 Pack, pharyngeal, 508
 Pain,
 during continuous spinal anesthesia, 525
 influence on shock, 620
 intractable, 663
 role in pulmonary complications, 201
 Paraldehyde, intravenously, 655
 Paralysis, effect of thiamine, 46
 Paraminobenzoic acid, recovery from spinal
 fluid, 526
 Pentobarbital sodium,
 early use, 657
 effect on blood flow, 618
 hyperpyrexia after, 215, 457
 Pentothal sodium,
 complication of, 528
 effect on small blood vessels, 147
 effect on hiccough, 525
 first use, 657
 for burned patients, 513
 induction with, 508
 intubation after, 509
 insulin shock during, 660
 into bone marrow, 312
 preparation in bulk, 93
 rectally, 458, 512, 691
 use in wartime, 257, 512
 Percaine, 258
 Perineural space, significance in spinal
 anesthesia, 164
 Peritoneum, area of, 192
 Peritonitis, shock from, 191
 Perivascular space, significance in spinal anes-
 thesia, 165
 Pernoston, 655
 Pharynx, relation to anesthesia, 195
 Phosgene, 546
 Picrotoxin,
 intracisternally, 45
 secondary depression from, 41
 site of action, 42
 treatment of barbiturate overdose, 37
 Pilocarpine, antidote to belladonna alkaloids,
 77
 Pitcher plant distillate, 664
 Pitressin, 276
 use in capillary atony, 188
 with ephedrine, during spinal anesthesia, 642
 Pituitary solution, use in barbiturate overdose,
 44
 Pituitrin, treatment of postanesthetic headache,
 442
 Placebo, effect on human subjects, 35
 Plasma (see blood)
 Plastic surgery, anesthesia for, 507
 Pneumothorax, use of carbon dioxide for, 267
 Pneumonectomy, anesthesia for, 314
 Pontocaine,
 for continuous spinal anesthesia, 523
 glucose solution, 444, 631
 local anesthetic characteristics, 674
 ointment, for intratracheal tubes, 510
 surface application, 63
 Position, during injection of spinal anesthetic,
 633

- Posterior pituitary extract, with ephedrine, 274
- Potassium hydroxide, carbon dioxide absorption, 1
- Potassium ion,
danger in fluid therapy, 188
role in shock, 622
- Premedication,
before bronchography, 62
before continuous spinal anesthesia, 54, 525
before pneumonectomy, 318
before spinal anesthesia, 273, 443
belladonna alkaloids, 72
choice, 36
effect on carbon dioxide capacity of blood, 370
effect on vocal cords, 74
for soldiers, 252
intravenously, 76
relation to atelectasis, 136
value of atropine, 72
- Preoperative care, for smokers, 135
- Procaine butyrate, local anesthetic characteristics, 674
- Procaine hydrochloride, 258
comparison to monacaine, 296, 399, 514
intravenously, 654, 655
local anesthetic characteristics, 674
rate of disappearance from spinal fluid, 167
spinal anesthesia with, 52, 523, 631
tolerance for, 159
therapeutic use, 671
- Propylene, 290
- Prostigmine, antidote to curare, 419
- Proteins, blood, 181, 189, 190
- Prothrombin, of stored blood, 331
- Psychology, applied to anesthesia, 283
- Pulse,
during carbon dioxide excess, 6
effect of fever, 123
effect of monacaine, 403
effect of oxygen, 123
- Pyruvic acid, determination during anesthesia, 660
- Quinine urea hydrochloride, local anesthetic characteristics, 674
- Relaxation, effect of curare, 418
- Renin, role in shock, 622
- Respiration, 204
cellular, 204
controlled, 317
depressed, acidosis following, 429
during high spinal anesthesia, 642
effect of belladonna alkaloids, 72
effect of drugs, 24
effect of magnesium salts, 324
effect of monacaine, 403
effect of stimulant drugs, 83
failure, during spinal anesthesia, 341
obstruction, device to prevent, 94
physiology, 133
importance in pneumonectomy, 314
- Respiratory tract,
anatomy, 61
diseases, spinal anesthesia in presence of, 630
reflexes, action of belladonna alkaloids, 74
relation to anesthesia, 195
- Resuscitation,
value of intratracheal tube, 276
value of stimulant drugs, 83
- Resuscitator, Australian army issue, 381
- Saline solution, early use, 652
- Saliva, inspiration during anesthesia, 198
- Sand-storms, effect on respiratory sequelae, 386
- Sandford-Magath hematocrit tube, 180
- Sarracenia purpurea, solution, local infiltration, 664
- Scopolamine,
dangers, 77
drying effect, 72
effect on human subjects, 24
effect on respiration, 72
sedative effect, 73
use in anesthesia, 71
with morphine sulfate,
after continuous spinal anesthesia, 525
first use, 655
in obstetrics, 287
- Scopolia carniolica, 71
- Shock, 176, 611
afferent impulse theory, 620
experimental, 623
from burns, 619
from dehydration, 182
treatment, 187
from trauma, 620
hemorrhagic, 189, 623
humoral theories, 622
insulin, during anesthesia, 660
irreversible, 186
local fluid loss theory, 620
primary, 177
surgical, 178
tent, 625
theories, 179, 620
treatment, 69, 332, 624
- Silk's mixture, 255
- Silverton's solution, 438
- Sise director, 53
- Skin, area, 192
- Skin graft, importance of anesthesia, 507
- Smoke, noxious, in warfare, 547
- Smokers, preoperative care, 135
- Soda lime, 1, 688
in gas masks, 550
- Sodium allyl secondary butyl thiobarbituric acid, 657
- Sodium amytal, early use, 656
- Sodium chloride,
daily requirement, 65
intravenously, early use, 652

- use in shock, 188
 value in desert, 252
 Sodium cyanide, effect on bone marrow, 312
 Sodium hydroxide, carbon dioxide absorption with, 1
 Sodium isoamyl-ethyl-barbiturate, 657
 Soldiers,
 anesthesia, 252
 postanesthetic sequelae, 376
 Somnifen, 655
 Sorbitol, 44
 Specific gravity, blood, plasma, urine, 66
 Spinal cord,
 after alcohol injection, 668
 damage by anesthetic drug, 167, 444
 gas bubbles in, 269
 Spinal fluid,
 concentrations of procaine in, 159
 specific gravity of, 279
 withdrawal after spinal anesthesia, 526
 withdrawal during spinal anesthesia, 59
 Spinocaine, 523
 Spinal puncture, 22
 Static electricity, report of committee, 85
 Sterilizing solution, for intratracheal tube, 510
 Sternum, injection of fluid into, 307
 Stenulator gases, 547
 Stokes' law, 181
 Stomach contents, role in atelectasis, 138
 Stomach tube, through face mask, 460
 Stovaine, 22
 Strontium, carbon dioxide absorption with, 1
 Strophanthin K, 44
 Strychnine,
 action with monocaine, 408
 after spinal anesthesia, 276
 Subarachnoid space, absorption from, 162
 Sulfonamides, effect on action of barbiturates, 46
 Suprarenal cortical extracts, 185, 188
 Syringe,
 Anel's eye, early use, 18
 Australian army issue, 381
 early use of, 18

 Tachycardia,
 cyclopropane-epinephrine, prevention, 259
 effect of carbon dioxide excess, 6
 Tear gas, 546
 Technic,
 alcohol intraspinally, 669
 ammonium sulfate intraspinally, 670
 blood specific gravity, 67
 bronchography, 61
 continuous spinal anesthesia, 53, 639
 Crafoord's local anesthesia, 319
 intubation, 199, 320, 508
 spinal anesthesia, 630
 with monocaine formate, 517
 with nupercaine, 437
 splanchnic block, 393, 395
 sternal puncture, 309
 Temperature,
 body,
 effect of drugs, 28
 role in postanesthetic complication, 201
 in carbon dioxide absorbers, 1, 4
 Thiamin, action on radial paralysis, 46
 Thorax,
 operations on,
 blood studies in, 193
 spinal anesthesia for, 272
 value of atropine, 75
 tracheobronchial aspiration, 202
 x-ray of, 61
 Throat, trauma of intubation, 510
 Thrombosis, role in shock, 624
 Thyrotoxicosis, atelectasis following, 137
 Tibia, injection of fluids into, 308
 Tilton General Hospital, instructions in anesthesia, 433
 Tobacco, use of, effect on respiratory sequelae, 386
 Tongue, relation to anesthesia, 195
 Tonsillectomy, dangers of, 195, 197
 Trachea, relation to anesthesia, 195
 Tracheal tug, 460
 Tracheo-bronchial aspiration, 202.
 Tracheotomy tube, anesthesia through, 197
 Traction reflexes, effect of atropine, 75
 Transportation, war casualties, 249, 252
 Trauma, shock after, 620
 Tribromethyl alcohol,
 acidosis, 429
 for pneumonectomy, 318
 hypnotic value, 557
 intravenously, 655
 Tropacocaine, 22
 Trypan blue test, 398
 Tutocaine hydrochloride, local anesthetic characteristics, 674
 Twilight sleep, 287

 Urine, indications for fluid therapy, 65

 Vagus nerve, effect of drugs, 74
 Vasoconstriction, 616
 effect of monocaine, 403
 Venipuncture, aid to, 582
 Veronal (see barbital)
 Vesicant gas, 547
 Vital capacity, role in postoperative complications, 201
 Vitamin C, after barbiturate overdose, 44
 Vocal cords,
 paralysis, relation to anesthesia, 197
 spasm, effect of atropine, 74
 Voice, effect of helium, 269
 Vomiting,
 during spinal anesthesia, 642
 fluid treatment following, 191
 postoperative, incidence in army, 387

- Wartime,
 anesthesia, 379
 in military hospital, 247, 379
 in navy, 459
 pentothal, 657
 teaching, 433
 noxious gases, 546
 shock therapy, 624
 transportation of patients, 249
 wounds, 249
- White cells, of stored blood, 331
 Windows, transparent, for study of blood vessels, 146
 Wine, intravenously, 650
 Wounds,
 healing, value of fluid therapy, 192
 wartime, 249
- Xylene bromobenzene, 67

INDEX OF AUTHORS AND TITLES OF ORIGINAL ARTICLES

	PAGE		PAGE
Adriani, John:		Bueding, Ernest:	
Efficiency of mixtures of barium and calcium hydroxides in the absorption of carbon dioxide in rebreathing appliances	1	Insulin shock during sodium pentothal and cyclopropane anesthesia	660
Inorganic gases in anesthesiology	560	Burdick, D. L.:	
Allen, C. R.:		Monocaine formate: its application in spinal anesthesia	514
Cardiac arrhythmias which occur spontaneously in cats during cyclopropane anesthesia	530	Burford, G. E.:	
Prevention of cyclopropane-epinephrine tachycardia by diethyl ether	259	Tolerance of humans for procaine injected into the subarachnoid space	159
Response of the digitalized heart to cyclopropane and epinephrine	644	Calesnick, B.:	
Apgar, Virginia:		Essential characteristics of local anesthetics	673
Combined use of ephedrine and epinephrine in spinal anesthesia	49	Cook, Evelyn:	
Continuous spinal anesthesia	522	Rationale of oxygen therapy during fever therapy	123
Treatment of untoward effects from nitrogen	265	Cullen, S. C.:	
Aumann, K. W.:		Rationale of oxygen therapy during fever therapy	123
Studies on the mechanism of intestinal inhibition by cyclopropane anesthesia	303	Drew, C. R.:	
Bates, William:		Early recognition and treatment of shock	176
Intractable pain	663	Editorial:	
Batten, D. H.:		Anaesthesia and golf: an analogy	683
Efficiency of mixtures of barium and calcium hydroxides in the absorption of carbon dioxide in rebreathing appliances	1	Antianaleptic	83
Inorganic gases in anesthesiology	560	Breathing in anesthesia	204
Beans, R. B.:		Presidential address	448
Recent advances in transfusion therapy	331	Scientific discussions	336
Beutner, R.:		Shortage of anesthetists?	576
Essential characteristics of local anesthetics	673	Enos, R. W.:	
Bourne, Wesley:		Studies in the mechanism of intestinal inhibition by cyclopropane anesthesia	303
(Editorial) Breathing in anesthesia	204	Essex, H. E.:	
(Editorial) Presidential address	448	Effect of certain general anesthetic agents on the small blood vessels in the ear of the rabbit	146
Spinal anesthesia for thoracic surgery	272	Evans, W. E., Jr.:	
Brace, D. E.:		Anesthesia. VII. Studies with cyclopropyl ethyl ether (cyprath ether) in man	414
Atelectasis	131	Eversole, U. H.:	
Bradley, S. E.:		Technics of spinal anesthesia	630
Circulatory adjustments during spinal anesthesia in normal man with special reference to the autonomy of arteriolar tone	421	Fine, J. H.:	
		Fluid therapy before and after operation	65

- Flagg, P. J.:
(Editorial) Scientific discussions 336
- Foregger, R.:
Cardiac arrhythmias which occur spontaneously in cats during cyclopropane anesthesia 530
- Forman, S. E.:
Anesthesia. VII. Studies with cyclopropyl ethyl ether (cypreth ether) in man 414
- Friend, A. W.:
Gases encountered in warfare 546
- Gordon, R. A.:
Problems of anaesthesia in plastic surgery 507
- Green, H. D.:
Shock 611
- Griffith, H. R.:
Anesthesia service for small hospitals . . 553
Use of curare in general anesthesia . . . 418
- Gunn, Grace:
Anesthesia for pneumonectomy in man . 314
- Gwathmey, J. T.:
Story of oil-ether colonic anesthesia . . . 171
- Hale, D. E.:
Splanchnic anesthesia in gastric surgery 392
- Hathaway, H. R.:
Acid-base balance during cyclopropane anesthesia 369
- Haugen, F. P.:
Serial spinal anesthesia 52
- Hawk, M. H.:
Effects of morphine, atropine and scopolamine on human subjects 24
- Haynes, W. G.:
Cervical arachnoiditis occurring after spinal anesthesia 444
- Hoff, H. E.:
Pharmacological actions of parenterally administered magnesium salts. A review 323
- Howell, G. R.:
Spinal anesthesia for thoracic surgery . . 272
- Iglauer, Samuel:
Relation of respiratory passages to anesthesia 195
- Inglis, A. N.:
Spinal anesthesia for thoracic surgery . . 272
- Johnson, G. Enid:
Use of curare in general anesthesia 418
- Judovich, B. D.:
Intractable pain 663
- Karstens, A. I.:
Studies on the mechanism of intestinal inhibition by cyclopropane anesthesia . . 303
- Kaye, Geoffrey:
Impressions of anaesthesia in a military base hospital 247
- Impressions of anaesthesia in a military base hospital (continued) 379
- Keys, T. E.:
Development of anesthesia (continued) 11, 282, 650
- Kilborn, M. G.:
Anesthesia. VII. Studies with cyclopropyl ethyl ether (cypreth ether) in man 414
- Krantz, J. C., Jr.:
Anesthesia. VII. Studies with cyclopropyl ethyl ether (cypreth ether) in man 414
- Lahey, F. H.:
Tribute to Lincoln F. Sise 686
- Lapiasohn, L.:
Essential characteristics of local anesthetics 673
- Leigh, M. D.:
Acidosis during clinical anesthesia 429
Spinal anesthesia for thoracic surgery . . 272
- Lundy, J. S.:
Effect of certain general anesthetic agents on the small blood vessels in the ear of the rabbit 146
Local and regional anesthesia 540
- Martin, S. J.:
Instruction in anesthesiology at Tilton General Hospital 433
- McAllister, F. F.:
Neurogenic control of the circulation of dogs under ether anesthesia 491
- Meek, W. J.:
Cardiac arrhythmias which occur spontaneously in cats during cyclopropane anesthesia 530
Prevention of cyclopropane-epinephrine tachycardia by diethyl ether 259
Response of the digitalized heart to cyclopropane and epinephrine 644
- Menaker, J. G.:
Role of picrotoxin in the treatment of acute barbiturate poisoning 37
- Neff, William:
Anesthesia for pneumonectomy in man . 314
- Pallin, I. M.:
Case of massive atelectasis during anesthesia 79
- Papper, E. M.:
Bone marrow route for injecting fluids and drugs into the general circulation . . 307
Circulatory adjustments during spinal anesthesia in normal man with special reference to the autonomy of arteriolar tone 421
Insulin shock during sodium pentothal and cyclopropane anesthesia 660

Peterson, M. C.: Case of massive atelectasis during anesthesia.....	79	diastolic and systolic blood pressure in clinical practice.....	141
Phelps, M. L.: Role of the alkaloids of the belladonna plants in clinical anesthesia.....	71	Smith, F. A.: Cervical arachnoiditis occurring after spinal anesthesia.....	444
Phillips, Wilson: Anesthesia for pneumonectomy in man.....	314	Smith, P. K.: Pharmacological actions of parenterally administered magnesium salts. A review.....	323
Richards, R. K.: Role of picrotoxin in the treatment of acute barbiturate poisoning.....	37	Sommerfeld, R. B.: Anesthetist's interest in lipiodo-bronchography.....	61
Rochberg, Samuel: Combined use of ephedrine and epinephrine in spinal anesthesia.....	49	Stern, Marvin: Insulin shock during sodium pentothal and cyclopropane anesthesia.....	660
Root, W. S.: Neurogenic control of the circulation of dogs under ether anesthesia.....	491	Stormont, R. T.: Acid-base balance during cyclopropane anesthesia.....	369
Rovenstine, E. A.: Circulatory adjustments during spinal anesthesia in normal man with special reference to the autonomy of arteriolar tone.....	421	Stutzman, J. W.: Cardiac arrhythmias which occur spontaneously in cats during cyclopropane anesthesia.....	530
Insulin shock during sodium pentothal and cyclopropane anesthesia.....	660	Prevention of cyclopropane-epinephrine tachycardia by diethyl ether.....	259
Monocaine formate: its application in spinal anesthesia.....	514	Response of the digitalized heart to cyclopropane and epinephrine.....	644
Ruth, H. S.: Serial spinal anesthesia.....	52	Tainter, M. L.: Pharmacological effects of monocaine hydrochloride.....	295
Schamp, H. M.: Pharmacological effects of monocaine hydrochloride.....	295	Pharmacological effects of monocaine hydrochloride (continued).....	398
Pharmacological effects of monocaine hydrochloride (continued).....	398	Taylor, I. B.: Serial spinal anesthesia.....	52
Schamp, J. R.: Pharmacological effects of monocaine hydrochloride.....	295	Tovell, R. M.: Gases encountered in warfare.....	546
Pharmacological effects of monocaine hydrochloride (continued).....	398	Wangeman, C. P.: Effects of morphine, atropine and scopolamine on human subjects.....	24
Schuhmacher, L. F., Jr.: Technics of spinal anesthesia.....	630	Weir, E. F.: Rationale of oxygen therapy during fever therapy.....	123
SeEVERS, M. H.: Acid-base balance during cyclopropane anesthesia.....	369	Wilkinson, F. A. H.: Nupercaine spinal anesthesia for abdomino-perineal resection of the rectum: a new technic.....	437
Seldon, T. H.: Effect of certain general anesthetic agents on the small blood vessels in the ear of the rabbit.....	146	Winkler, A. W.: Pharmacological actions of parenterally administered magnesium salts. A review.....	323
Local and regional anesthesia.....	540	Youmans, W. B.: Studies in the mechanism of intestinal inhibition by cyclopropane anesthesia..	303
Shaar, C. M.: Splanchnic anesthesia in gastric surgery.....	392		
Shideman, F. E.: Acid-base balance during cyclopropane anesthesia.....	369		
Slocum, H. C.: Apparatus for the automatic recording of			

INDEX OF AUTHORS AND TITLES OF ABSTRACTS

	PAGE		PAGE
Anggaard, G. N.:		Bancroft, F. W., Fuller, A. G. and Ruggiero, W. F.:	
Transfusion reactions and erythroblastosis foetalis caused by the Rh factor . . .	598	Improved methods in extremity amputations for diabetic gangrene	489
Aceff, Herbert:		Batten, D. H.:	
Role of the liver in the surgical risk	234	Hypoxia—the hazard of the operating room	365
Adams, H. D., and Hand, L. V.:		Beecher, H. K. and Adams, Ralph:	
Twenty minute cardiac arrest with complete recovery: principles of prevention and treatment	464	Ether anesthesia in the presence of pulmonary tuberculosis	596
Adams, R. C.:		Bicker's, William:	
Shock, blood transfusion and supportive treatment	102	Procaine hydrochloride in obstetrics	476
Adams, R. C., and Lundy, J. S.:		Blalock, Alfred and Mason, M. F.:	
Anesthesia in cases of poor surgical risk: some suggestions for decreasing the risk	603	Comparison of the effects of heat and those of cold in the prevention and treatment of shock	224
Alexander, F. A. D. and Studebaker, Glenn:		Blicke, F. F. and Castro, E. R.:	
Anesthesia equipment station	236	1-Alkyl 2-dialkylaminoalkyl 4-aminophthalates as local anesthetics	239
Allen, F. M.:		Blicke, F. F. and Otsuki, Chieko:	
Reduced temperatures in surgery. I. Surgery of limbs	118	1-Dialkylaminoalkyl 2-alkyl 3-aminophthalates as local anesthetics	238
Allen, J. G., Kable, Vera and Livingstone, H.:		Bourne, Wesley:	
Effect of anesthetic drugs on prothrombin concentrations in experimental animals	222	Anaesthesia in war circumstances	588
Altschule, M. D., Gilligan, D. R. and Zamcheck, N.:		Breslow, Lawrence and Poncher, H. G.:	
Effects on the cardiovascular system of fluids administered intravenously in man. IV. The lung volume and pulmonary dynamics	701	Use of seconal (sodium propylmethylcarbinyl allyl barbiturate) in pediatric procedures	238
Altschule, M. D. and Zamcheck, Norman:		Buchstein, H. F.:	
Significance of changes in subdivisions of the lung volume in the Trendelenburg position	702	Acute spinal epidural abscess: report of a case	108
Anderson, B. M. and Essex, H. E.:		Burford, G. E. and Calvin, W. H.:	
Studies on barbiturates, especially their cyclic disappearance from and reappearance in the blood following intravenous injection	704	Observations on continuous spinal anesthesia	472
Andrews, A. H., Jr.:		Burgen, A. S. and Schofield, E.:	
Functional examination of respiration in obstructive diseases	235	Dental anaesthesia and oxygen lack	355
Ansbro, F. P. and Pico, L. J.:		Burstein, C. L. and Roventine, E. A.:	
Continuous spinal anesthesia: report of one hundred cases in which this method was employed	490	Toxicity of intravenous paraldehyde	363
Arnold, L. E.:		Butler, T. C.:	
Analgesia in obstetrics: an analysis of 500 consecutive cases	121	Delay in onset of intravenously injected anesthetics	590
Arnott, G. M. and Young, W. F.:		Campbell, S. M. and Gordon, R. A.:	
Postoperative administration of fluids to children	698	Post-anaesthetic complications in a military hospital	695
Atlas, L. N.:		Carraway, C. N. and Davison, T. C.:	
Further observations on the etiology of vasomotor disturbances following peripheral nerve section	225	Pentothal sodium oxygen anesthesia in thyroid surgery	237
		Cassels, W. H.:	
		Cessation of respiratory exchange	462
		Cowan, S. L., Scott, R. D. and Suffolk, S. F.:	
		Oxford vaporiser No. 2	114
		Craig, P. E.:	
		Cobra venom analgesia in surgery	221
		Crane, R. M. and Whitacre, R. J.:	
		Cyclopropane anesthesia	594

- Crowley, R. T.:
Reflex changes in respiration induced by distention of the small intestine 694
- Cullen, S. C. and Skewis, J. E.:
Prophylactic and therapeutic use of oxygen in the surgical patient 246
- Davies, R. M.:
Some factors affecting the incidence of post-anaesthetic vomiting 343
- Draper, W. B. and Whitehead, R. W.:
Chances of resuscitation after an overdose of ether, divinyl ether and chloroform 609
- Dreisbach, R. and Snyder, F. F.:
Effect of scopolamine on the fetus 461
- Eckstein, A. W.:
Surgical treatment of peptic ulcer (Fiske Fund prize essay No. LXX) 487
- Edwards, W. B. and Hingson, R. A.:
Continuous caudal anesthesia in obstetrics 718
- Elkin, D. C.:
Special field of cardiac surgery 235
- Epstein, H. G., Macintosh, R. R. and Mendelssohn, K.:
Oxford vaporiser No. 1 113
- Epstein, H. G. and Pask, E. A.:
Performances of the Oxford vaporisers with ether 115
- Evans, J. A.:
Combined use of heparin and dicoumarin (3,3' methylenebis, 4-hydroxyocoumarin) in thrombophlebitis and pulmonary embolism (preliminary report) 711
- Eversole, U. H.:
Anesthesia for surgery about the head . . 346
- Fabing, H. D.:
Induction of metrazol convulsions with the patient under nitrous oxide anesthesia 466
- Ferguson, L. K. and La Towsky, L. W.:
Study of the immediate postoperative complications and mortality in certain general surgical operations. Analysis of 662 cases at the Philadelphia General Hospital, 1936 to 1939 104
- Fine, Jacob and Sears, J. B.:
Prophylaxis of pulmonary embolism by division of the femoral vein 461
- Fischer, T. E.:
General anesthesia in the treatment of maxillo-facial cases 361
- Fredericks, Lillian E.:
Prevention of shock in spinal anesthesia . 693
- Gardner, W. J.:
Injection of procaine into brain to locate speech area in left handed persons 463
- Gillespie, N. A.:
Surgeon and anesthetist 597
- Gould, R. B.:
Cyclopropane anaesthesia 468
- Greene, B. A.:
Hazards of fire and explosion of anaesthetic agents. II. In the presence of the cautery 477
- Griffin, E. L. and Benson, R. C.:
Gynecologic surgery under local anesthesia 349
- Griffith, H. R. and Goodall, J. R.:
Analgesia and anaesthesia in obstetrics . 227
- Gruber, C. M.:
Barbiturates and the thiobarbiturates: some differences in their actions when administered to human beings and to experimental animals 239
- Guernsey, Gretchen and Lorhan, P. H.:
Effect of anesthetics upon the liver . . . 219
- Gurney, Ramsdell:
Some recent contributions to the physiology of respiration 344
- Handley, Carroll A. and Abreu, B. E.:
Antagonism of benzedrine to the central depressant effects of morphine 222
- Hanley, B. J.:
Obstetrical analgesia in private patients 353
- Harbord, R. P.:
Anaesthesia for air-raid casualties 599
- Harkins, H. N.:
Treatment of shock in wartime 99
- Haugen, F. P.:
General anesthesia for jaw casualties . . . 97
- Hayman, I. R. and Wood, P. M.:
Abducens nerve (VI) paralysis following spinal anesthesia 696
- Heard, K. M.:
Avertin-nitrous oxide anaesthesia in thyroidectomy 233
- Heineken, T. S. and Roseman, H. I.:
Use of pentothal sodium intravenous anesthesia for gastroscopic examination . 471
- Hewer, C. L.:
Trichlorethylene as an inhalation anaesthetic 229
- Hollis, K. E.:
Indications and contraindications to spinal anesthesia 697
- Johnston, Florence D.:
Some problems in anesthesia 244
- Kaltreider, N. L., Meneely, G. R. and Allen, J. R.:
Effect of epinephrine on the volume of the blood 702
- Kasin, Edwin and Parker, Sam:
Momentary death and choreoathetosis following nitrous oxide anesthesia with recovery 466

- Keating, F. R., Jr., Power, M. H. and Rynearson, E. H.:
Desoxycorticosterone acetate: an appraisal of the value of its preoperative administration to surgical patients . . . 480
- Kellogg, J. F., Phillips, R. B. and Sahler, LeRoy:
Cyclopropane anesthesia in military surgery . . . 102
- Koller, Theodore:
Clinical significance of intravenous anesthesia in gynecology . . . 226
- Lahmann, A. H. and Mietus, A. C.:
Caudal anesthesia: its use in obstetrics . . . 474
- Lee, W. E., King, O. C. and Farrell, H. L.:
Controlled fractional spinal anesthesia . . . 473
- Lemmon, W. T. and Paschal, G. W., Jr.:
Continuous—serial, fractional, controllable, intermittent—spinal anesthesia: with observations on 1000 cases . . . 600
- Levy, R. L. and Moore, R. L.:
Paravertebral sympathetic block with alcohol for the relief of cardiac pain; report of forty-five cases . . . 96
- Lindsay, G. E. and Spicer, A. D.:
Lung volume under surgical anesthesia: the effect of avertin on the subtidal air . . . 117
- Long, Carroll H., Mickal, Abe and Ochsner, Alton:
Use of pentothal sodium for the induction of anesthesia in thyrotoxicosis . . . 365
- Long, C. H. and Ochsner, Alton:
Intravenous pentothal sodium anesthesia: a review of the literature . . . 590
- Lopez, Vara:
Spinal anesthesia in infancy . . . 122
- Lovell, W. R. II:
Airplane transportation of patients . . . 225
- Lund, C. J.:
Relation of inhalation analgesia and anesthesia to asphyxia neonatorum . . . 594
- Lyford, John, III:
Postoperative infections of the respiratory tract in relation to inhalation and spinal anesthesia: a study of six hundred and thirty-one cases . . . 467
Preoperative and postoperative infection of the respiratory tract in relation to inhalation and spinal anesthesia . . . 467
- Lyford, John, III, Berger, Olive L. and Shumacker, H. B., Jr.:
Analysis of deaths in the operating rooms of the Johns Hopkins Hospital with reference to those occurring under general anesthesia and spinal anesthesia . . . 705
- Macintosh, R. R. and Mendelssohn, K.:
Quantitative administration of ether vapour . . . 112
- Macintosh, R. R. and Pask, E. A.:
Improved apparatus for continuous intravenous anesthesia . . . 117
- Madding, G. F. and Fricke, R. E.:
Secondary or postoperative parotitis . . . 468
- Mahorner, Howard:
Sympathetic nerve blocks in rehabilitation of the injured extremity: report of cases; and a discussion of causalgia . . . 697
- Martin, J. D., Jr. and Robertson, Roy:
Blood studies during anesthesia: reference to infections and non-infections . . . 486
- McCall, J. W. and Freeman, M. S.:
Postoperative atelectasis: presentation of four cases . . . 704
- McCarthy, K. C.:
English medicine and the war . . . 360
Relationship of nitrous oxide anaesthesia and anoxia . . . 231
- McIntyre, A. R., Bennett, A. L. and Wagner, J. C.:
Nerve-modulus for anesthetics . . . 481
- McLaughlin, C. W., Jr.:
Postoperative gangrene of the finger following digital nerve block anesthesia: report of a case . . . 488
- Miley, George:
Knott technic of ultraviolet blood irradiation in acute pyogenic infections: a study of 103 cases with clinical observations on the effects of a new therapeutic agent . . . 485
- Monroe, S. E. and Benjamin, E. L.:
Convulsions associated with general anesthesia: 'Ether convulsions': report of a case with findings at autopsy . . . 107
- Moore, R. M. and Wingo, W. J.:
Blood level of magnesium ion in relation to lethal, anesthetic, analgesic and antitetic effects . . . 485
- Moorhead, J. J.:
Surgical experiences at Pearl Harbor . . . 585
- Mousel, L. H. and Lundy, J. S.:
Some pulmonary problems related to anesthesia . . . 110
- Mueller, Lillian B.:
Simple device for administering intravenous barbiturate . . . 472
- Mushin, W. W.:
Heavy percaine spinal anaesthesia . . . 583
- Myers, R. D.:
Injection anesthesia . . . 608
- Nelson, E. E.:
Action of the opium alkaloids on the gastro-intestinal tract . . . 223
- Newman, Samuel:
Convulsions associated with general anesthesia: report of three cases . . . 352

- Novak, Milan:
Use of sulfonamide derivatives: as a solution to the problem of bacterial contamination in stored plasma 484
- Obermann, C. F.:
Use and abuse of sedatives 240
- Owens, L. B., Wright, Jackson and Brown, Edna:
Efficacy of intravenous sodium bicarbonate therapy in the treatment of diabetic ketosis 367
- Pelner, Louis:
Gangrene of the toe, following local anesthesia with procaine-epinephrine solution; a clinical and experimental study 487
Value of the "head-up" position for an infant 368
- Pender, J. W. and Lundy, J. S.:
Anesthesia in war surgery 586
- Phillips, R. B.:
Wartime anesthesia 359
- Phillips, W. H. and Maxmen, H. A.:
Local anesthesia in operative dentistry for children 230
- Potter, Robert, Livingstone, Huberta, Andrews, Edmund and Light, Geraldine:
Blood ether levels in surgical anesthesia 354
- Ray, B. S. and Stewart, H. J.:
Observations and surgical aspects of the carotid sinus reflex in man 703
- Read, J. M. and Brown, J. S.:
Note upon more accurate measurement of diastolic blood pressure 717
- Rhoads, Jonathan and Lee, W. E.:
Advantages of combining local infiltration anesthesia with controlled fractional spinal anesthesia in substandard surgical risks 364
- Richards, R. K., Keuter, K. and Klatt, T. J.:
Effect of vitamin C deficiency on action of different types of barbiturates 365
- Rieser, Charles:
Spinal anesthesia and injury to the nervous mechanism of micturition 105
- Ritter, J. S. and Kramer, S. E.:
Modern urologic pharmacology 351
- Root, W. S. and McAllister, F. F.:
Circulatory responses of chronic spinal dogs to ether anesthesia 116
- Roth, F. and Schumacher, J.:
Reasons for the late febrile reactions following blood transfusions 226
- Rovenstine, E. A. and Papper, E. M.:
Packaging ether for anesthesia 478
- Rovenstine, E. A. and Wertheim, H. M.:
Present status of therapeutic regional analgesia 474
Therapeutic nerve block 348
- Ruigh, W. L.:
Analysis of divinyl ether in blood 473
- Sahler, S. L., Kellogg, J. F. and Phillips, R. B.:
Cyclopropane anesthesia at the Rochester General Hospital: review of 7,120 cases 593
- Santy, A. C.:
Response of blood donors to iron 221
- Searles, P. W.:
Intravenous anesthesia 470
- Seever, M. H.:
Drugs in intractable pain 483
- Seibert, C. W.:
Practical application of obstetric analgesia 362
- Shoor, Mervyn:
Paraldehyde poisoning: report of a fatality 350
- Shumacker, H. B., Jr.:
Local anesthetic reactions 104
- Smith, C. H.:
Regional anesthesia for high ligation of the internal saphenous vein 366
- Snyder, F. F. and Kha Ti Lim:
Effect of morphine on labor 367
- Stedje, R. L. and Henstridge, F. St. P.:
Use of prolonged local anesthesia for delivery: a preliminary report 475
- Tainter, M. L. and Thronson, A. H.:
Suitability of butyn for injection anesthesia in oral surgery 362
- Thompson, S. A. and Birnbaum, C. L.:
Phenomenon of asphyxial resuscitation. I. Resuscitation with inert (asphyxiating) gas in advanced asphyxia 701
- Thorson, J. A.:
Intratracheal anesthesia in head operations 345
- Tovell, R. M. and Edmondson, R. E.:
Modern concepts of cyclopropane anesthesia 469
- Tovell, R. M. and Hickcox, C. B.:
Present status of cyclopropane 479
- Tynes, A. L., Nichol, W. W. and Wiggin, S. C.:
Anesthesia for military needs 358
- Uiblein, Alfred and Kendrick, D. B., Jr.:
Determinations of the blood platelets during traumatic shock: an experimental study 222

Walker, R. H. and Teague, F. B.: Metrazol in barbiturate poisoning—a case report	482	Williamson, C. S.: Laboratory aids of value in the diagnosis of traumatic shock and internal hemorrhage with a brief reference to the use of blood plasma as a therapeutic agent	221
Waters, E. G.: Regional anesthesia: its use in obstetrics and gynecology	598	Windle, W. F. and Becker, R. F.: Role of carbon dioxide in resuscitation at birth after asphyxia and after nembutal anesthesia: an experimental study in the cat and guinea pig	356
Weinstein, M. L. and Adams, E. L.: Further observations on the use of rectal sodium pentothal	122	Wolff, E. C. and Stewart, H. B.: Clinical conclusions on high spinal anesthesia	584
White, J. C., Verlot, M., Selverstone, B. and Beecher, H. K.: Changes in brain volume during anesthesia: the effects of anoxia and hypercapnia	481	Woodson, F. E.: Outline for teaching anesthesia to physicians of small communities	220
Whitehead, J. M.: Anesthetic agents and anesthetic failures	478		
Wiggers, C. J.: Applicability of experimental results to the shock problem in man	242		

BOOKS REVIEWED

	PAGE		PAGE
Physicians' reference book of emergency medical service. New York, E. R. Squibb and Sons, 1942, 268 pp. with illustrations [no price listed].	578	Goldman, Victor: Aids to anaesthesia. London, Balliere, Tindall and Cox, 1941, 235 pp. with 58 illustrations. Price, \$1.75	578
Bancroft, Frederic W. (Editor): Operative surgery—including anesthesia, pre- and postoperative therapy, principles of surgical technic, blood transfusion and abdominal surgery. New York, D. Appleton-Century Co., Inc., 1941, 1102 pp. with 514 illustrations. Price, \$10.00	338	Gregg, Alan: The furtherance of medical research. New Haven, Yale University Press, 1941, 129 pp. Price, cloth, \$2.00	453
Gillespie, Noel A.: Endotracheal anesthesia. Madison, The University of Wisconsin Press, 1941, 187 pp. with 45 illustrations. Price, \$4.00	211	White, James C. and Smithwick, Reginald: The autonomic nervous system. New York, The Macmillan Company, 1941, 469 pp. Price, \$6.75	211
		Woolmer, Ronald: Anaesthetics afloat. London, H. K. Lewis and Company, Ltd., 1942, 120 pp. with 18 illustrations. Price, 6/-net	340

TABLES, ILLUSTRATIONS, ETC.

	PAGE		PAGE
Table—Barium lime and soda lime; carbon dioxide in volumes percent in outgoing air	4	Photograph—Carl Koller	20
Table—Barium lime and soda lime; temperatures of reacting absorbents	4	Photograph—J. Leonard Corning	21
Table—Barium lime; percentage carbon dioxide in breathing bag	7	Graphs—Effects of morphine sulphate on the pulse, etc.	25
Anesthesia study record; effects of carbon dioxide accumulation	8	Tracings—Effects on morphine sulphate on the respiration	27
Graph—Barium lime; temperature recordings	9	Graphs—Effects of atropine	29
Graph—Soda lime; temperature recordings	9	Graphs—Effects of scopolamine hydrobromide	30
Photograph—John Snow	12	Graphs—Effects of morphine and atropine	31
Photograph—Sir James Young Simpson	13	Graphs—Effects of morphine sulphate and scopolamine hydrobromide	32
Photograph—Queen Victoria	14	Graph—Comparison of effect of drugs on pulse rate	33
Reproduction of title page—first meeting American Medical Association	16	Graph—Comparison of effect of drugs on minute volume	34
Photograph—Friedrich Wilhelm Sertürner	18	Graph—Comparison of effect of drugs on oxygen consumption	35

Table—Picrotoxin in acute barbiturate poisoning.....	39	Drawing—Absorption from the spinal sub-arachnoid space.....	163
Anesthesia study record; effect of intramuscular injection of epinephrine.....	50	Drawing—Perivascular space and extension into brain substance.....	165
Anesthesia study record; lengthy operative procedure with small dose of procaine..	55	Chart—Controlled fluid therapy.....	180
Anesthesia study record; operative procedure in aged patient with small dose of procaine.....	56	Table—Effect of fluid therapy.....	183
Anesthesia study record; lengthy operative procedure with small dose of procaine..	57	Chart—Hemato-crit-protein patterns.....	184
Anesthesia study record; upper abdominal operation under spinal anesthesia.....	57	Tables—Effect of fluid therapy.....	185, 189, 190, 192
Table—Types of operations using serial spinal anesthesia.....	58	Drawing—Retropharyngeal abscess.....	196
Table—Summary of dosages of procaine for serial spinal anesthesia.....	58	Photograph—Larynx viewed from behind.....	196
Chart—Dehydration accompanying intestinal obstruction.....	66	Roentgenogram—Head and neck showing laryngoscope in place.....	200
Chart—Acute blood loss and shock.....	67	Pictures—Birthplace of William Thomas Green Morton and marker.....	213
Chart—Falling total protein and blood dilution.....	68	Drawing—Ether dripper for the to and fro absorber.....	215
Anesthesia study record; massive atelectasis during anesthesia.....	80	Tables—Protection from cyclopropane-epinephrine tachycardia.....	260, 262, 263
Picture—Equipment used in making bulk solution of pentothal sodium.....	94	Table—Dosage and time tables for nupercaine spinal analgesia.....	273
Picture—London Hospital mouth prop... ..	95	Tracings—Effect of histamine, ephedrine and pituitary extract on blood pressure and respirations.....	275
Graph—Effect of oxygen therapy on fever.....	124	Anesthesia study record; effect of adequate premedication on spinal analgesia.....	277
Graph—Effect of oxygen therapy on blood pressure.....	126	Anesthesia study record; effect of anesthetics during spinal analgesia.....	278
Graphs—Effect of oxygen therapy on blood pH and on blood CO ₂	127	Table—Spinal anesthesia in thoracic surgery.....	279
Graph—Effect of oxygen therapy on oxygen tension.....	128	Photograph—Rudolph Matas.....	283
Tables—Postoperative respiratory complications.....	132	Photograph—George W. Crile.....	284
Picture—Apparatus for automatic recording of blood pressure.....	142	Reproduction of title page—Pirogoff's book.....	285
Drawing—Working principles of apparatus for automatic recording of blood pressure.....	143	Photograph—James T. Gwathmey.....	286
Graph—Automatic recording of blood pressure.....	144	Photograph—Arno B. Luckhardt.....	289
Photomicrograph—Effect of pentothal sodium on capillary.....	148	Photograph—Chauncey D. Leake.....	291
Graphs—Effect of pentothal and of cyclopropane on capillaries and blood pressure.....	149	Photograph—Ralph M. Waters.....	292
Photomicrographs—Effect of cyclopropane and oxygen on capillary and on arteriole.....	150	Table—Efficacy of local anesthetics on frogs' skin.....	298
Photomicrographs—Effect of nitrous oxide and oxygen on capillary.....	151	Table—Action of local anesthetics on rabbits' conjunctival sacs.....	299
Graphs—Effect of nitrous oxide and of ethylene on capillaries and blood pressure.....	152	Table—Anesthesia of frogs' sciatic nerve.....	300
Photomicrographs—Effect of ethylene and oxygen on capillary and arteriole.....	153	Table—Anesthesia after infraorbital infiltration in rabbits.....	300
Graph—Effect of drop ether on capillaries and blood pressure.....	155	Table—Anesthetic efficiency of infiltration of rabbit skin.....	301
Photomicrographs—Effect of drop ether on capillary and on arteriole.....	156	Table—Anesthetic efficiency of intradermal injection in human skin.....	301
Anesthesia study record; spinal anesthesia.....	161	Tracings—Intestinal inhibition by cyclopropane anesthesia.....	305
		Picture—Sagittal section of adult sternum.....	309
		Table—Circulation time following intravenous injection and sternal injection..	312
		Table—Effects of parenteral magnesium.....	326
		Nomogram—Acid-base displacement during cyclopropane anesthesia.....	371
		Graphs—Acid-base changes during cyclopropane anesthesia.....	372
		Table—Correlation of anesthetic concentrations, with acid-base equilibrium....	375

Table—Anesthesia in military base hospital.....	383	Table—Action of F883 during cyclopropane anesthesia.....	537
Table—Anesthetic "risk" in military base hospital.....	384	Table—Cardiac arrhythmias in various depths of cyclopropane anesthesia.....	537
Table—Anesthetics and operations in military base hospital.....	385	Table—Anesthetics in small hospital.....	557
Table—Respiratory sequelae to anesthesia in military base hospital.....	387	Table—Cyclopropane anesthetics and methods in small hospital.....	557
Table—Postoperative vomiting after anesthesia in military base hospital.....	388	Table—Endotracheal anesthetics in small hospital.....	558
Table—Splanchnic anesthesia in gastric surgery.....	396	Table—Upper abdominal operations with cyclopropane in small hospital.....	558
Table—Comparison of acute toxicity of monacaine and procaine.....	401	Sketch—Safety device for evacuation of cylinders at high temperature.....	562
Tracings—Effect of epinephrine and monacaine on blood pressure and respiration.....	404	Sketch—Engraving markings on cylinders for storing compressed gases.....	563
Table—Effect of epinephrine and monacaine on blood pressure.....	405	Table—Color markings of anesthetic gas cylinders.....	564
Tracings—Effect of epinephrine and monacaine on blood pressure.....	406	Table—Dimensions and capacities of cylinders.....	565
Table—Mean fatal doses of monacaine and procaine; effect of artificial respiration.....	407	Sketch—Diagram of gas analysis apparatus (Orsatt type).....	567
Table—Incidence of sloughs after injections of monacaine, procaine and epinephrine.....	408	Sketch—Diagram of gas analysis apparatus (Van Slyke and Neill type).....	568
Table—Effect of epinephrine, monacaine and procaine on absorbability of strychnine.....	409	Record—Consultation record for inhalation therapy.....	579, 580
Table—Hemodynamic effects of spinal anesthesia.....	423	Sketch—Advantages of curved laryngoscope.....	581
Graphs—Circulatory effects of spinal anesthesia.....	424, 425, 426	Graphs—Mechanisms of shock.....	614
Scheme—Present scope of anesthesiology.....	434	Chart—Vicious cycle in shock.....	616
Table—Schedule of lectures.....	435	Graph—Arterial pressure and blood flow in an extremity.....	617
Sketch—Introducer for continuous spinal anesthesia needle.....	457	Sketch—Syringe, needle and tubing for induction and maintenance of fractional spinal anesthesia.....	632
Picture—Removable introducer for spinal needle.....	458	Sketch—(a) Sise introducer. (b) Moore introducer.....	632
Graphs—Effect of ether inhalation upon heart rate and blood pressure.....	492, 493, 495, 497, 498, 499, 500, 501, 503	Sketch—Patient in position for spinal puncture when pontocaine-glucose mixture is to be used.....	633
Picture—Continuous spinal set.....	524	Sketch—(a) Patient in position for injection of pontocaine-glucose mixture for spinal anesthesia. (b) Position for obtaining height of anesthesia.....	634
Records—Cystometric readings; bladder dysfunction after continuous spinal anesthesia.....	526	Sketch—Patient in Buie position for rectal operation after spinal anesthetic has been given.....	635
Table—Continuous spinal anesthesia, distribution of cases.....	529	Table—Modification of Sise's table for determining dosage of pontocaine.....	636
Table—Ventricular irregularities during cyclopropane anesthesia.....	532	Sketch—Patient in position for spinal puncture when nupercaine is to be used.....	636
Table—Effect of epinephrine during cyclopropane anesthesia.....	533	Sketches—Positions of patient after nupercaine spinal anesthesia.....	637
Table—Cardiac arrhythmias during cyclopropane anesthesia and chloroform anesthesia.....	534	Sketch—Mattress used for fractional spinal anesthesia.....	638
Table—Blood gas studies during cyclopropane anesthesia.....	535	Sketch—Position of patient for perineal operation [fractional spinal anesthesia].....	639
		Sketch—Patient in left lateral decubitus position [fractional spinal anesthesia].....	640
		Sketch—Positions of patient for injection of fractional spinal anesthesia.....	641
		Table—Effect of ouabain on cardiac automaticity in dogs.....	646

Tables—Cardiac response to epinephrine in unanesthetized dogs before and after ouabain	647, 648	Table—Action of strongest local anesthetics after neutralization of their hydrochlorides	675
Picture—Sir Christopher Wren	651	Table—Local anesthetics with an intermediate action	675
Picture—Richard Lower	652	Table—Time values for disappearance of reflex (local anesthetics)	676
Title page—First monograph to be published on intravenous anesthesia	654	Table—Convulsive doses in relation to anesthetic efficiency (local anesthetics)	678
Picture—Emil Fischer	656	Table—Substitution in the acid radical and its influence on (local) anesthetic potency	680
Table—Blood glucose and pyruvic acid levels following insulin, pentothal and cyclopropane	661	Photograph—Thrombus and vein	691
Table—Results obtained with eighteen local anesthetics	674		

MISCELLANY

	PAGE		PAGE
Advisory Board of Medical Specialties	330	Army. Need for anesthetists	649
American Board of Anesthesiology, Inc.		Case Reports	215, 217, 341, 689
Diplomates, annual dinner	294	Chicago Society of Anesthetists. Officers elected	443
American Board of Anesthesiology, Inc.—notice of coming examination	10, 70, 130, 294	Connecticut State Medical Society, Section on Anesthesia. Program of meeting	281
No. 5, xxii; No. 6, xxii		Correspondence	92, 214, 455, 457, 691
American Board of Anesthesiology. Oral examination announcement	No. 5, xxii	Current Comment	85, 213, 341, 455, 579, 688
American Medical Association, Section on Anesthesiology. Officers elected	378	Medical Literature Copying Service	271, 454
American Medical Association, Section on Anesthesiology. Scientific exhibit	313	New England Society of Anesthesiology. Program of meeting	539, 682
American Society of Anesthetists. Form for request or contribution		New York Medical Week, quotation from Ohio Society of Anesthetists. Officers elected	391, 417
No. 1, xvii; No. 6, xv		Ohio Society of Anesthetists and American Society of Anesthetists, Inc. Program of meeting	210
American Society of Anesthetists. Library and Museum announcement		Punch Card Record System	
No. 1, xv; No. 2, xiii		No. 1, xiv; No. 2, xii	
American Society of Anesthetists, Inc.		No. 3, xiv; No. 4, xiv	
Membership blank	No. 1, xix; No. 2, xvii	No. 5, xxii; No. 6, xxii	
No. 3, xix; No. 4, xix		Questions for examinations	48, 60, 78, 82, 84, 145, 203, 212, 264, 337, 307, 417, 420, 436, 452, 559, 582, 643, 672, 692
No. 5, xix; No. 6, xix		Southern Medical Association, Section on Anesthesia, Election of officers	10
American Society of Anesthetists. Officers		Technical Suggestions	95, 218, 342, 460, 692
No. 1, xx; No. 2, xviii		Texas State M. J., quotation from	340
No. 3, xx; No. 4, xx, xxi			
No. 5, xx, xxi; No. 6, xx			
American Society of Anesthetists, Inc.			
Program of meetings	64, 140, 506, 629		
American Society of Anesthetists, Inc. and Ohio Society of Anesthetists. Program of meeting	210		
Anesthesia Abstracts (Burgess Publishing Co.)	158, 335, 436		
No. 5, xviii; No. 6, xviii			
Anesthesiology. Binding	36, 170, 281, 577		
Anesthesiology. Notice for change of address	No. 1, xvii		