

INDEX OF AUTHORS AND SUBJECTS • VOLUME 51

Index of Issues: July, pp. 1-100; August, pp. 101-192; September, pp. 193-284; September supplement S1-S388; October, pp. 285-374; November, pp. 375-490; December, pp. 491-646.

Author entries for original articles include the titles of the articles and co-authors under the first author; reference is made from the joint authors.

Subject entries for all material in the JOURNAL appear in this index. The name of the author of an original article, in brackets, follows the subject entry. Entries from the JOURNAL departments are identified by the departments in which the subject matter appears, e.g., Clinical Reports.

- ABADIR, A. R., UNG, K. A., and CHAUDHRY, R., Evaluation of external jugular vein for Swan-Ganz catheter insertion (abstr), S159
- ABBOUD, T., HENRIKSEN, E., KIM, S. H., CHEN, T. C., LEVINSON, G., and SHNIDER, S. M., Enflurane and halothane: effects of placental transfer (abstr), S306
- Abdominal surgery, see under Surgery
- ABOULEISH, E., ORIG, T., and AMORTEGUI, A. J., Bacteriologic comparison of epidural/caudal techniques (abstr), S305
- ABRAM, S. E., see CUSICK, J. F., jt. auth.
- ABRAMOWITZ, M., and MCGILL, W. A., Hazard of an anesthetic scavenging device (correspondence), 276
- Acetylcholine
- brain, turnover, and motor activity changes induced by lidocaine and cocaine in rats [Ngai & others], 230
 - carbachol, malignant hyperthermia muscle, neurotransmitter effect (abstr) [Gronert & Milde], S247
- Accelerometer, see under Measurement techniques
- Accidents, see under Complications
- Acid-base equilibrium
- acidosis
 - intravenous administration of sodium bicarbonate in, intracranial hemorrhage and [Wheeler & others], 517
 - metabolic, in pregnant ewe during dopamine treatment of spinal hypotension [Roblin & others], 36
 - respiratory, changes in, in dog, fentanyl concentrations in brain and serum during [Ainslie & others], 293
 - alkalosis, respiratory, changes in, in dog, fentanyl concentrations in brain and serum during [Ainslie & others], 293
 - base excess, following intravenous administration of sodium bicarbonate, intracranial hemorrhage and [Wheeler & others], 517
 - bicarbonate, sodium, intravenous administration of, intracranial hemorrhage following [Wheeler & others], 517
 - bupivacaine, intravenous injection in pregnant ewe (abstr) [Craft & others], S309
 - cesarean section epidural analgesia, local anesthetics in (abstr) [James & others], S310
 - fetal acidosis, effects on transplacental equilibrium of bupivacaine [Kennedy & others], 50
 - maternal alkalosis, effects on transplacental equilibrium of bupivacaine [Kennedy & others], 50
 - minute volume effects on P_{CO_2} using Bain circuit (abstr) [Goodloe & others], S379
 - nitroglycerin effects on ventilation-perfusion (abstr) [Colley & others], S372
 - nitroglycerin, plasma levels and effects in pregnant ewes (abstr) [deRosayro & others], S312
- pH
- averaging, vs. H^+ values (correspondence) [Giesecke], 482
 - averaging, vs. H^+ values (correspondence) [Pace & others], 481
- Acidosis, see under Acid-base equilibrium
- Acupuncture, halothane MAC in dog modified by (abstr) [Tseng & others], S7
- ADAIR, T. H., and TRABER, D. L., Mechanism of pulmonary edema in burn wound sepsis (abstr), S175
- ADAMS, A., see WILKINSON, C. J., jt. auth.
- Addiction, see under Analgesics, narcotic
- ADELMAN, M., and PRATILAS, V., Unexplained brachial-plexus palsy (correspondence), 479
- , see REES, I., jt. auth.
- Adenosinetriphosphate, see under Metabolism
- Adenosinetriphosphate, see under Metabolism
- Adrenergic transmission, see under Sympathetic nervous system
- Aerosols, diphylline, asthma, bronchospasm prevention during anesthesia (abstr) [Hirshman & others], S364
- Age factors
- see also Anesthesia, pediatric; Biotransformation (drug); Potency, anesthetic
 - coronary blood flow and resistance in chronically instrumented sheep (abstr) [Robinson & others], S323
 - influencing pharmacokinetics of diazepam given in conjunction with spinal anesthesia (clinical report) [Kanto & others], 154
- AGOSTON, S., FELDMAN, S. A., and MILLER, R. D., Plasma concentrations of pancuronium and neuromuscular blockade after injection into the isolated arm, bolus injection, and continuous infusion, 119
- , see DURANT, N. N., jt. auth. (2)
- AIDINIS, S. J., see MARSH, M. L., jt. auth.
- AINSLIE, S. G., EISELE, J. H., Jr., and CORKILL, G., Fentanyl concentrations in brain and serum during respiratory acid-base changes in the dog, 293
- Airway
- anatomy, malformation, airway management in (clinical report) [Alfrey & others], 340
 - difficulty, in acromegalic patient—indications for tracheostomy (clinical report) [Southwick & Katz], 72
 - obstruction
 - intraoperative (clinical report) [Job & others], 550
 - trachea, tracheobronchopathica osteochondroplastica diagnosed as result of difficult intubation (clinical report) [Wagner & Barson], 269
 - tracheal, oxygenation with air or oxygen after (abstr) [Turk & others], S357
- trachea
- constriction of, or decreased lung-thorax compliance from opiates (correspondence) [Yasuda & others], 183
 - constriction of from opiates (correspondence) [Segal], 183
 - obstruction, oxygenation with air or oxygen after (abstr) [Turk & others], S357
 - size, relationship to body habitus (abstr) [Mackenzie & others], S378
- ALBRIGHT, G. A., Cardiac arrest following regional anesthesia with etidocaine or bupivacaine (editorial views), 285
- Alcohol, memory, murine, and (abstr) [Amirdivani & others], S49
- ALDRETE, J. A., LOWE, H. J., and VIRTUE, R. W. (eds.), *Low Flow and Closed System Anesthesia* (book review), 490
- ALDRETE, J. A., see DE CAMPO, T., jt. auth.
- , see GOLDMAN, E., jt. auth. (3)
- , see HUG, C. C., jt. auth.
- ALFERY, D. D., MARSH, M. L., and SHAPIRO, H. M., Post-spinal headache or intracranial tumor after obstetric anesthesia (clinical reports), 92

- , WARD, C. F., HARWOOD, I. R., and MANNINO, F. L., Airway management for a neonate with congenital fusion of the jaws (clinical reports), 340
- ALI, H. H., see LEBOWITZ, P. W., jt. auth.
- Aliflurane, see under Anesthetics, volatile
- ALLEN, F. B., GERSON, J. I., and DAVEY, F. R., Platelet inhibition by nitroprusside and nitroglycerin (abstr), S75
- ALLEN, H. L., Anesthesiologists are CPR experts! (correspondence), 477
- Allergy
anaphylaxis, from contrast media, prevention of (correspondence) [Mitchell], 480
to *d*-tubocurarine (clinical report) [Farmer & Sivarajan], 358
- ALPER, M. H., Intrathecal morphine: a new method of obstetric analgesia? (editorial views), 378
—, see DATTA, S., jt. auth.
- Alpha-adrenergic receptors, see under Sympathetic nervous system
- ALSERI, A., see DHADPHALE, P. R., jt. auth.
- AMENT, R., Origin of the ASA classification (correspondence), 179
- American Society of Anesthesiologists, see under Organizations
- Aminophylline, see under Sympathetic nervous system
- 4-Aminopuridine, see under Antagonists, neuromuscular relaxants
- AMIRDIVANI, M., CHALON, J., and TURNDORF, H., Murine memory and halothane, ethanol, diazepam and scopolamine (abstr), S49
- AMMENDRUP, P., and ATLEE, J. L., Mechanical ventilation and cardiac conduction (abstr), S87
- Amobarbital, see under Hypnotics, barbiturates
- AMORTEGUI, A. J., see ABOULEISH, E., jt. auth.
- Amylase, see under Metabolism
- Analeptics, doxapram, EEG arousal by (abstr) [Roy & Stullken], S47
- Analgesia
measurement
action and pharmacokinetics of morphine and diazepam [Yang & others], 495
intrathecal morphine (editorial views) [Alper], 378
ketamine analgesia and hallucinosis mechanisms (abstr) [Havdala & others], S52
of nitrous oxide effects on cerebral evoked potential to pain [Chapman & Benedetti], 135
phenylalanine in mice and men (abstr) [Balagot & Ehrenpreis], S231
possible painful consequences of misapplying signal detection theory (editorial views) [Ominsky], 491
for spinal action of morphine and effects upon parturition [Yaksh & others], 386
mechanism, ketamine (abstr) [Finek & Ngai], S34
- nucleus reticularis gigantocellularis of medial medullary reticular formation as site of, produced by Ketamine [Ohtani & others], 414
- postoperative
measurement, cryoprobe nerve block after thoracotomy (abstr) [Katz & others], S233
thoracic epidural in morbid obesity (abstr) [Gelman & others], S234
- Analgesics
narcotic
addiction, drug management, controlled, in reducing (abstr) [Ward], S347
dextrorphan, receptor mediation of effect on temperature (abstr) [Rosow & others], S31
fentanyl, concentrations in brain and serum during respiratory acid-base changes in dog [Ainslie & others], 293
hydromorphone, receptor mediation of effect on temperature (abstr) [Rosow & others], S31
ketamine analgesia mediation by biogenic amine and endogenous opiate processes (abstr) [Pekoe & Smith], S36
levorphanol, receptor mediation of effect on temperature (abstr) [Rosow & others], S31
- meperidine, stress relief in pregnant baboons and sheep (abstr) [Morishima & others], S292
- morphine, and diazepam, analgesic action and pharmacokinetics of [Yang & others], 495
- morphine, effects of, on dorsal-horn neuronal responses to graded noxious thermal stimulation in decerebrate cat [Dohi & others], 408
- morphine, naltrexone enhancement, chronic (abstr) [Havdala & others], S235
- morphine, receptor mediation of effect on temperature (abstr) [Rosow & others], S31
- morphine, in studies of brain endorphins in pentobarbital anesthesia and toxicity [Bhargava], 398
- morphine, tolerance, and response to nitrous oxide in rats and mice [Berkowitz & others], 309
- morphine, tracheal constriction or decreased lung-thorax compliance from (correspondence) [Segal], 183
- morphine, tracheal constriction or decreased lung-thorax compliance from (correspondence) [Yasuda & others], 183
- morphine, vs. anesthesia with diazepam and ketamine, in patients undergoing heart-valve replacement [Dhadphale & others], 200
- narcotics
morphine, intrathecal, in obstetric analgesia (editorial views) [Alper], 378
- morphine, spinal action of, and effects upon parturition [Yaksh & others], 386
- nonnarcotic, aspirin, in prevention of post-cannulation radial-artery thrombosis (clinical report) [Bedford & Ashford], 176
- Anaphylaxis, see Allergy
- Anatomy
airway, in acromegalic patient—indications for tracheostomy (clinical report) [Southwick & Katz], 72
- body size, tracheal size relationship to body habitus (abstr) [Mackenzie & others], S378
- celiac ganglion, normal variations (abstr) [Nauss & others], S237
- height, epidural blockade spread in young and old patients influenced by (abstr) [Sharrock], S224
- peridural space
height effects on epidural blockade spread in young and old patients (abstr) [Sharrock], S224
- ultrasonic localization of lumbar epidural space (abstr) [Cork & others], S225
- ANDERSEN, P. K., see OSEBURG, B., jt. auth.
- ANDERSON, D. O., see CONAHAN, T. J., jt. auth.
- ANDREWS, R., see BARTKOWSKI, R. R., jt. auth.
- , see JOBES, D. R., jt. auth.
- , see KLINEBERG, P. L., jt. auth.
- ANDREWS, R. W., see LIEBERMAN, R. W., jt. auth. (2)
- Anemia, see under Blood; Complications
- Anesthesia
cardiovascular
in cardiopulmonary bypass, optimal placement of central venous pressure catheter before (correspondence) [Husum], 577
- in coronary-artery operations, stellate-ganglion blockade to prevent hypertension following (clinical report) [Bidwai & others], 343
- with diazepam and ketamine vs. morphine in heart-valve replacement [Dhadphale & others], 200
- pulmonary and radial arterial catheterization in, arterial blood-pressure and pulse-rate responses to (clinical report) [Lunn & others], 265
- Swan-Ganz catheter-induced right bundle-branch block and complete heart block during (clinical report) [Thomson & others], 359
- cost
containment, painless (abstr) [Quinlan & Modell], S354
- increasing cost consciousness (abstr) [Wilkinson & others], S353

- dental
 health hazards of anesthesia (abstr) [Cohen & others], S254
 iatrogenic subcutaneous emphysema during (clinical report) [Rosenberg & others], 80
 pain intensity with nitrous oxide with and without naloxone [Chapman & Benedetti], 135
- general
 mechanisms of (report of scientific meeting) [Bartkowski], 580
 Second International Research Conference on Molecular Mechanisms of Anesthesia (report of scientific meeting) [Bartkowski], 580
- glucose control in normal and obese surgical patients (abstr) [McLeskey & others], S250
- hazards
 morbidity prediction using pre- and intraoperative data [Schneider & others], 4
 and postoperative morbidity in hypertensive patients (editorial views) [Bunker], 1
- humidification and heating of inspired anesthetics, body temperature responses to (abstr) [Stone & others], S359
- monitoring, intraoperative, computer technology application (abstr) [Mitchell & others], S334
- morbidity
 intraoperative cardiovascular status in prediction (editorial views) [Bunker], 1
 prediction using pre- and intraoperative data [Schneider & others], 4
- neurosurgical
 for craniotomy in sitting position, bilateral footdrop after (clinical report) [Keykhah & Rosenberg], 163
- Society of Neurosurgical Anesthesia and Neurologic Supportive Care (report of scientific meeting) [Illner & Cotrell], 188
- sodium nitroprusside with, neurologic status and intracranial pressure changes in (clinical report) [Marsh & others], 336
- technique of nitroprusside administration to modify intracranial pressure response during [Marsh & others], 538
- obstetric
 antacid administration prior to [Gibbs & others], 380
- aspiration syndromes in (editorial views) [Cohen], 375
- bacteriologic comparison of epidural and caudal techniques (abstr) [Abouleish & others], S305
- brain, blood flow, arterial blood pressure and in non-asphyxiated fetus (abstr) [Pash & others], S293
- bupivacaine, intravenous injection in pregnant ewe (abstr) [Craft & others], S309
- bupivacaine, 0.125 per cent with epinephrine in [Bleyaert & others], 435
- cesarean section in diabetics, epidural analgesia for (abstr) [Datta & others], S302
- cesarean section epidural analgesia, local anesthetics in (abstr) [James & others], S310
- in cesarean section, nitroglycerin to control severe hypertension of pregnancy during (clinical report) [Snyder & others], 563
- chloroprocaine-bupivacaine mixture and chloroprocaine and bupivacaine used individually in, compared [Cohen & Thurlow], 288
- consorts in delivery room (correspondence) [Colton], 365
- continuous-infusion epidural block for analgesia in labor (abstr) [Kenep & Gutsche], S303
- difficulty in endotracheal intubation associated with (correspondence) [Marx & Finster], 364
- dopamine treatment of spinal hypotension in ewe following [Roblin & others], 36
- ephedrine placental transfer (abstr) [Ward & others], S307
- epidural analgesia, dextrose affects spread (abstr) [Park & Eastwood], S301
- epidural analgesia, lateral position effect in parturient (abstr) [Hew & others], S300
- epidural analgesia spread in early pregnancy (abstr) [Fagraeus & others], S299
- epidural analgesia, volume effect in parturient (abstr) [Hew & others], S300
- epidural dose responses in pregnant and nonpregnant patients (abstr) [Sharrock & Greenidge], S298
- fathers in delivery room during (correspondence) [Rosen & Rees], 476
- headache, "wet tap," prophylaxis (abstr) [Smith], S304
- improved ventilator system for delivery-room management of newborn (clinical report) [Cole & others], 356
- intrathecal morphine in (editorial views) [Alper], 378
- ketamine effects on regional cerebral blood flow in asphyxiated fetus (abstr) [Pickering & others], S294
- meperidine stress relief in pregnant baboons and sheep (abstr) [Morishima & others], S292
- methoxyflurane analgesia in, renal function in newborns and mothers exposed to (clinical report) [Clark & others], 464
- nitroglycerin effect in hypertensive pregnant ewe (abstr) [Craft & others], S308
- nitroglycerin, plasma levels and effects in pregnant ewes (abstr) [deRosayro & others], S312
- nitroglycerin and uterine vasculature in gravid ewes (abstr) [Wheeler & others], S291
- placental transfer effects of enflurane and halothane (abstr) [Abboud & others], S306
- placental transfer of nitroglycerin during (correspondence) [Diaz & Marx], 475
- placental transfer of nitroglycerin during (correspondence) [Poulton & James], 475
- post-spinal headache or intracranial tumor after (clinical report) [Alfrey & others], 92
- pre-eclampsia, central venous pressure and epidural analgesia relationship (abstr) [Joyce & others], S297
- pulmonary aspiration syndrome after inhalation of gastric fluid containing antacids (clinical report) [Bond & others], 452
- in quadriplegic patient with autonomic hyperreflexia (clinical report) [Stirt & others], 560
- risk in pregnant surgical patient (review article) [Pedersen & Finster], 439
- single-dose oral antacid therapy in prophylaxis of aspiration during (clinical reports) [Detmer & others], 270
- spinal action of morphine in, and effects upon parturition [Yaksh & others], 386
- transplacental equilibrium of bupivacaine, effects of maternal-fetal pH on [Kennedy & others], 50
- in uterine evacuation of hydatidiform mole, massive trophoblastic embolization and PEEP therapy for (clinical report) [Natonson & others], 469
- ophthalmologic
 for cataract operations, plasma catecholamine levels during (clinical report) [Donlon & Moss], 471
- glycypyrrolate and atropine compared in, in prevention of oculocardiac reflex (clinical report) [Meyers & Tomeldan], 350
- in Kearns-Sayer syndrome (clinical report) [D'Ambra & others], 343
- otolaryngologic, pneumothorax secondary to ball-valve obstruction during jet ventilation in (clinical report) [Oliverio & others], 255
- outcome
 prediction (editorial views) [Bunker], 1
- prediction, using pre- and intraoperative data [Schneider & others], 4
- outpatient, fentanyl vs. enflurane for (abstr) [Chen & Berman], S51
- pediatric
 cannulation, central venous, teaching (abstr) [Jobes & others], S346
- cardiopulmonary bypass, glucose utilization during (abstr) [Bevan & Rosales], S322

- clinical studies in (correspondence) [Keeri-Szanto], 572
 clinical studies in (correspondence) [Yakaitis], 572
 in congenital fusion of jaws (clinical report) [Alfrey & others], 340
 coronary blood flow and resistance, age-related changes in chronically instrumented sheep (abstr) [Robinson & others], S323
 end-tidal CO₂ sampling in infants (abstr) [Reznik & others], S387
 fentanyl effects on pulmonary compliance (abstr) [Marty & Desmonts], S318
 forced duction testing, succinylcholine alteration (abstr) [France & others], S326
 halothane, baroreceptor responses in newborn and adult rabbits affected by (abstr) [Ware & others], S325
 halothane safety for infants examined (abstr) [Diaz & Lockhart], S313
 head trauma, intracranial pressure and cardiovascular function (abstr) [O'Keeffe & others], S316
 heparin activity during open-heart surgery (abstr) [Cohen & others], S321
 induction, cardiovascular performance during, echocardiographic comparison of enflurane and halothane (abstr) [Barash & others], S315
 intermittent mandatory ventilation, low-rate, for neonate (abstr) [Shutack & others], S182
 lung mechanics, monitoring in neonatal primates (abstr) [Wuest & others], S384
 methohexitol premedication, rectal, dose comparison study (abstr) [Liu & others], S381
 myoneural function, infant, analysis during anesthesia (abstr) [Crumrine & others], S327
 oxygen supplementation during endotracheal intubation in infants (correspondence) [Cork & others], 186
 oxygen tension monitoring in infants, intraoperative transcutaneous (abstr) [Messner & others], S319
 pancuronium reversal in neonatal intensive care unit (abstr) [Goudsouzian & others], S329
 respiratory failure, chronic, in infancy, lung function in (abstr) [Loeber & Downes], S328
 succinylcholine alteration of forced duction testing (abstr) [France & others], S326
 thermodilution cardiac output determinations in small infants (abstr) [Zideman & others], S320
 tolazoline effects on intravascular pressures and cardiac output and its distribution during hypoxemia (abstr) [Gregory & others], S324
d-tubocurarine pharmacokinetics (abstr) [O'Keeffe & others], S270
 urodynamic studies of halothane and enflurane (abstr) [Lieding & others], S314
 records, see Records
 risk
 ASA classification, exposed (correspondence) [Robinson], 180
 ASA classification, interpretation of data (correspondence) [Fink], 179
 ASA classification, origin of (correspondence) [Ament], 179
 ASA classification, tally of responses (correspondence) [Owens & others], 181
 ASA Physical Status Classification and (correspondence) [Keats], 180
 preventable anesthetic mishaps, multi-hospital study (abstr) [Cooper & others], S348
 safety, preventable anesthetic mishaps, multi-hospital study (abstr) [Cooper & others], S348
 theories of, see Theories of anesthesia
 machines, see under Equipment
 Anesthesiologists
 cardiopulmonary resuscitation, advanced, knowledge (abstr) [Schwartz & others], S340
 death
 causes, 1930-1946 (abstr) [Linde & others], S338
 rate (editorial views) [Cohen], 193
 Anesthesiology, references, textbooks, currentness alone not valid
 measure of quality (correspondence) [Bromage], 181
 Anesthesiology, renewed venture for (editorial views) [Larson], 193
 Anesthetic
 induction, see Induction
 techniques
 bronchoscopy, and reversal of intracardiac shunt (clinical report) [Rao & others], 558
 cryoanalgesia, prolonged, after thoracotomy (abstr) [Katz & others], S233
 bronchial, intraoperative obstruction of endobronchial tubes in (clinical report) [Job & others], 550
 endotracheal, difficulty in, in obstetric anesthesia (correspondence) [Marx & Finster], 364
 endotracheal intubation, alternative to, in airway management in congenital fusion of jaws (clinical report) [Alfrey & others], 340
 epidural, see under Anesthetic techniques, peridural
 extubation, cardiovascular effects (abstr) [Wohlner & others], S194
 extubation, cardiovascular responses to (abstr) [Edde], S195
 extubation, laryngospasm prevention after tonsillectomy (abstr) [Bidwai & others], S50
 extubation, with or without prior lidocaine, blood-pressure and pulse-rate responses to (clinical report) [Bidwai & others], 171
 extubation, tracheal, laryngeal competence after (clinical report) [Burgess & others], 73
 hypotension, induced, diazoxide, intracranial pressure responses to in cats with intracranial mass lesions (abstr) [Gagnon & Shapiro], S200
 hypotension, induced, infection, antibiotic concentrations in serum, muscle, and bone, compared with normotension (abstr) [Fahmy & others], S133
 hypotension, induced, nitroglycerin, cerebral hemodynamic changes with (abstr) [Rogers & Traystman], S199
 hypotension, induced, nitroglycerin, circulatory responses, pulmonary and systemic (abstr) [Johansen & Benumof], S70
 hypotension, induced, nitroglycerin, to control severe hypertension of pregnancy during cesarean section (clinical report) [Snyder & others], 563
 hypotension, induced, nitroglycerin, coronary-artery disease hemodynamic responses (abstr) [Landry & others], S69
 hypotension, induced, nitroglycerin effect in pregnant ewe (abstr) [Craft & others], S308
 hypotension, induced, nitroglycerin, increase in intracranial pressure following (clinical report) [Gagnon & others], 86
 hypotension, induced, nitroglycerin, intracranial pressure in cat during [Rogers & others], 227
 hypotension, induced, nitroglycerin, placental transfer of (correspondence) [Diaz & Marx], 475
 hypotension, induced, nitroglycerin, placental transfer of (correspondence) [Poulton & James], 475
 hypotension, induced, nitroglycerin, plasma levels and effects in pregnant ewes (abstr) [deRosario & others], S312
 hypotension, induced, nitroglycerin, plastic absorption of solution (abstr) [Ingram & Miller], S132
 hypotension, induced, nitroglycerin, platelet inhibition by (abstr) [Allen & others], S75
 hypotension, induced, nitroglycerin, renal blood flow autoregulation during anesthesia (abstr) [Birch & Boyce], S123
 hypotension, induced, nitroglycerin and uterine vasculature in gravid ewes (abstr) [Wheeler & others], S291
 hypotension, induced, nitroglycerin, ventilation-perfusion effects (abstr) [Colley & others], S372

- hypotension, induced, nitroprusside, baroreflex activity and induced hypotension (abstr) [Chen & others], S76
- hypotension, induced, nitroprusside, blood flow alteration by (abstr) [Delaney & Miller], S73
- hypotension, induced, nitroprusside, brain-surface oxygen tension and cerebral cortical blood flow during [Maekawa & others], 313
- hypotension, induced, nitroprusside, catecholamines in tachyphylaxis to (abstr) [Fahmy & others], S72
- hypotension, induced, nitroprusside, cerebral aneurysm surgery outcome related to (abstr) [Frost & others], S82
- hypotension, induced, nitroprusside, cerebral hemodynamic changes with (abstr) [Rogers & Traystman], S199
- hypotension, induced, nitroprusside, circulatory responses, pulmonary and systemic (abstr) [Johansen & Benumof], S70
- hypotension, induced, nitroprusside, heart rate role in hemodynamic effects and tachyphylaxis (abstr) [Fahmy & others], S71
- hypotension, induced, nitroprusside, hypertension during anesthesia on discontinuation of [Khambatta & others], 127
- hypotension, induced, nitroprusside, metabolism, carbohydrate and lipid, during (abstr) [Fahmy & Battit], S84
- hypotension, induced, nitroprusside, neurologic status and intracranial pressure changes in (clinical report) [Marsh & others], 336
- hypotension, induced, nitroprusside, platelet inhibition by (abstr) [Allen & others], S75
- hypotension, induced, nitroprusside, propranolol abates renin release by (abstr) [Khambatta & others], S74
- hypotension, induced, nitroprusside, propranolol reduction of dose and cyanide levels (abstr) [Bedford & others], S131
- hypotension, induced, nitroprusside, renal blood flow auto-regulation during anesthesia (abstr) [Birch & Boyce], S123
- hypotension, induced, nitroprusside, renal function and hemodynamics during in dogs (abstr) [Behnia & others], S81
- hypotension, induced, nitroprusside, renin-angiotensin system in tachyphylaxis to (abstr) [Fahmy & others], S72
- hypotension, induced, nitroprusside, scoliosisfusion with (abstr) [Grundy & others], S78
- hypotension, induced, nitroprusside, spinal-cord hemodynamics during (abstr) [Jacobs & others], S80
- hypotension, induced, nitroprusside, technique of administration of, to modify intracranial pressure response during neurosurgery [Marsh & others], 538
- hypotension, induced, nitroprusside, and by verapamil, compared (correspondence) [Oates], 363
- hypotension, induced, saralasin, blood flow alteration by (abstr) [Delaney & Miller], S73
- hypotension, induced, trimethaphan, brain-surface oxygen tension and cerebral cortical blood flow during [Maekawa & others], 313
- hypotension, induced, trimethaphan, cerebral aneurysm surgery outcome related to (abstr) [Frost & others], S82
- hypotension, induced, trimethaphan, metabolism, carbohydrate and lipid, during (abstr) [Fahmy & Battit], S84
- hypotension, induced, trimethaphan, renal function and hemodynamics during in dogs (abstr) [Behnia & others], S81
- hypotension, induced, verapamil, and by nitroprusside, compared (correspondence) [Oates], 363
- hypothermia, cardiopulmonary bypass, rewarming, heat dosage vs. distribution during (abstr) [Noback & Tinker], S134
- hypothermia, induced, cardiopulmonary bypass with, heparin activity prolonged during (abstr) [Entress & others], S99
- hypothermia, induced, thiopental and, synergistic EEG suppression (abstr) [Quasha & others], S20
- hypothermia, myocardial ischemic deterioration, global, anesthetics vs. (abstr) [Walls & others], S144
- hypothermia, potassium levels in serum during prolonged (abstr) [Koht & others], S203
- nerve block, myocardial reinfarction following (abstr) [Backer & others], S61
- peridural, caudal, bacteriologic comparison with lumbar (abstr) [Abouleish & others], S305
- peridural, caudal, factors determining level of, and occurrence of severe hypertension (clinical report) [Park & others], 81
- peridural, epidural, another indication for (correspondence) [Stevens], 96
- peridural, epidural, blood patch, another indication for (correspondence) [Lee & Roberts], 96
- peridural, epidural, chlorprocaine-bupivacaine mixture and chlorprocaine and bupivacaine used individually in, compared [Cohen & Thurlow], 288
- peridural, epidural, transplacental equilibrium of bupivacaine, effects of maternal-fetal pH on [Kennedy & others], 50
- peridural, epidural, using bupivacaine, 0.125 per cent with epinephrine in obstetrics [Bleyaert & others], 435
- peridural, lumbar, bacteriologic comparison with caudal (abstr) [Abouleish & others], S305
- peridural, lumbar, central venous pressure relationship in pre-eclampsia (abstr) [Joyce & others], S297
- peridural, lumbar, cesarean section in diabetics (abstr) [Datta & others], S302
- peridural, lumbar, cesarean section, local anesthetics in (abstr) [James & others], S310
- peridural, lumbar, continuous-infusion block for analgesia in labor (abstr) [Keneppe & Gutsche], S303
- peridural, lumbar, dextrose affects gravitational spread (abstr) [Park & Eastwood], S301
- peridural, lumbar, dose responses in pregnant and non-pregnant patients (abstr) [Sharrock & Greenidge], S298
- peridural, lumbar, education, skill test for residents (abstr) [Sivarajan & others], S342
- peridural, lumbar, ephedrine placental transfer (abstr) [Ward & others], S307
- peridural, lumbar, epidural blockade, height effect on spread in young and old patients (abstr) [Sharrock], S224
- peridural, lumbar, headache, "wet tap," prophylaxis (abstr) [Smith], S304
- peridural, lumbar, herpes zoster neuralgia treatment by epidural injection or stellate ganglion block (abstr) [Bauman], S223
- peridural, lumbar, lateral position effect on spread in parturient (abstr) [Hew & others], S300
- peridural, lumbar, neural effects (abstr) [Cusick & others], S227
- peridural, lumbar, resident performance errors (abstr) [Lane & others], S343
- peridural, lumbar, spread of analgesia in early pregnancy (abstr) [Fagraeus & others], S299
- peridural, lumbar, steroids, epidural, effects on nerves and meninges (abstr) [Delaney & others], S226
- peridural, lumbar, ultrasonic localization of lumbar epidural space (abstr) [Cork & others], S225
- peridural, lumbar, using bupivacaine, 0.125 per cent with epinephrine in obstetrics [Bleyaert & others], 435
- peridural, lumbar, volume effect on spread in parturient (abstr) [Hew & others], S300
- peridural, renin activity, plasma, extradural analgesia, and operation (abstr) [Bevan & others], S228

- peridural, thoracic epidural analgesia in morbid obesity (abstr) [Gelman & others], S234
- regional, axillary, air test for (correspondence) [Rosenblatt], 95
- regional, axillary, continuous, for traumatic hand injury (clinical report) [Rosenblatt & others], 565
- regional, axillary, and development of new anesthesia machine (correspondence) [Cullen], 97
- regional, axillary, physician-patient relationships and (correspondence) [Cooper & others], 98
- regional, brachial plexus, continuous, for traumatic hand injury (clinical report) [Rosenblatt & others], 565
- regional, with etidocaine or bupivacaine, cardiac arrest following (editorial views) [Albright], 285
- regional, stellate ganglion block, herpes zoster neuralgia treated by (abstr) [Bauman], S223
- regional, stellate, to prevent hypertension following coronary-artery operations (clinical report) [Bidwai & others], 343
- spinal, adrenergic response to incision, anesthetic dose that blocks (abstr) [Roizen & Horrigan], S141
- spinal, analgesia produced by morphine in, and effects upon parturition [Yaksh & others], 386
- spinal, calculating dose for, body weight vs. surface area for (correspondence) [Dohi & others], 569
- spinal, calculating dose for, body weight vs. surface area for (correspondence) [Feingold], 568
- spinal, effect of age on pharmacokinetics of diazepam given in conjunction with (clinical report) [Kanto & others], 154
- spinal, headache following precipitated by air travel (correspondence) [Mulroy], 479
- spinal, hypobaric, osmotic swelling effects on neural conduction in [Fink & others], 418
- spinal, hypoosmolarity contribution to (abstr) [Barsa & others], S221
- spinal, hypotension in pregnant ewe following, dopamine treatment of [Roblin & others], 36
- spinal, indication for epidural blood patch following (correspondence) [Lee & Roberts], 96
- spinal, intrathecal morphine in (editorial views) [Alper], 378
- spinal, lumbar puncture, acute subdural hematoma following (clinical report) [Pavlin & others], 338
- spinal, nerve damage following, treatment of (correspondence) [Lee], 96
- spinal, nerve damage following, treatment of (correspondence) [Stevens], 96
- spinal, for obstetric anesthesia, headache or intracranial tumor after (clinical report) [Alfrey & others], 92
- spinal, pelvic surgery, intra-abdominal, bupivacaine and tetracaine comparison (abstr) [Moore], S211
- thoracic, epidural analgesia in morbid obesity (abstr) [Gelman & others], S234
- thoracic, renin activity, plasma, extradural analgesia, and operation (abstr) [Bevan & others], S228
- topical, prior to endotracheal extubation, blood-pressure and pulse-rate responses to (clinical report) [Bidwai & others], 171
- topical, tracheal, modified technique for (correspondence) [Stiffel & Hameroff], 274
- Anesthetics
- gases
- cyclopropane, ventricular stiffness, active, of left ventricle during (abstr) [Shimosato & Kemmotsu], S106
 - nitrous oxide, alveolar P_o_2 , concentrating effect in low- V_A/Q regions (abstr) [Dueck & Wagner], S370
 - nitrous oxide, cryoprobe leakage into operating room air (abstr) [Wray], S335
 - nitrous oxide, dental operatory, anesthetic health hazards (abstr) [Cohen & others], S254
 - nitrous oxide, EEG during anesthesia with fentanyl and (abstr) [Klein & Kleiri], S3
 - nitrous oxide, EEG response to during enflurane (abstr) [Smith & others], S5
 - nitrous oxide, effects on evoked potential to pain with and without naxalone [Chapman & Benedetti], 135
 - nitrous oxide, functional residual capacity reduction causing shunt and low V_A/Q areas (abstr) [Dueck & others], S360
 - nitrous oxide, genetic factors, breeding mice resistant and susceptible (abstr) [Koblin & others], S17
 - nitrous oxide, hypokalemia and epinephrine-induced dysrhythmias during (abstr) [Wong & others], S118
 - nitrous oxide, intraocular SF₆ and air interaction with (abstr) [Stinson & Donlon], S16
 - nitrous oxide, metabolism by intestinal contents, human and rat (abstr) [Trudell & others], S258
 - nitrous oxide, midazolam and for anesthetic induction in ischemic heart disease (abstr) [Samuelson & others], S104
 - nitrous oxide, with morphine, cerebral metabolism, blood flow and electroencephalogram relationships in dog during anesthesia with [Kuramoto & others], 211
 - nitrous oxide, morphine or fentanyl with, balanced anesthesia cardiovascular effects before and after pancuronium (abstr) [Bennett & Stanley], S138
 - nitrous oxide, occupational exposure, education, and sampling methods (abstr) [Whitcher & Siukola], S336
 - nitrous oxide, sperm morphologic response in mouse (abstr) [Lund & others], S259
 - nitrous oxide, teratogenic effects compared with xenon (abstr) [Lane & others], S160
 - nitrous oxide, tolerance, and response to morphine in rats and mice [Berkowitz & others], 309
 - protein surface potential decreased by (abstr) [Ueda & others], S14
 - trace concentrations, sperm morphologic response in mouse (abstr) [Land & others], S259
 - xenon, teratogenic effects, lack of, compared with nitrous oxide (abstr) [Lane & others], S260
- intravenous
- alphaprodine, hemodynamic effects of anesthetic doses (abstr) [Reddy & others], S102
 - droperidol cardiac adenylate cyclase response to (abstr) [Gangat & others], S129
 - droperidol, fentanyl and, traumatic shock, halothane comparison (abstr) [Shin & others], S101
 - etomidate, echocardiographic evaluation of ventricular performance (abstr) [Firestone & others], S22
 - fentanyl, antagonists naloxone and naltrexone, comparison in man (abstr) [Smith], S373
 - fentanyl, concentrations in brain and serum during respiratory acid-base changes in dog [Ainslie & others], 293
 - fentanyl, coronary-artery adrenergic nerve responses to (abstr) [Rorie & others], S145
 - fentanyl, coronary-artery surgery, plasma catecholamine and cortisol responses (abstr) [Stanley & others], S139
 - fentanyl, droperidol and, traumatic shock, halothane comparison (abstr) [Shin & others], S101
 - fentanyl, EEG during anesthesia with nitrous oxide and (abstr) [Klein & Klein], S3
 - fentanyl, hyperthermia with, pulmonary shunting during (abstr) [Lees & others], S385
 - fentanyl, LDH₅₀ changes after cholecystectomy or hysterectomy in patients receiving (clinical report) [Viegas & Stoelting], 556
 - fentanyl, nitrous oxide and, balanced anesthesia cardiovascular effects before and after pancuronium (abstr) [Bennett & Stanley], S138
 - fentanyl, outpatient anesthesia with, enflurane compared with (abstr) [Chen & Berman], S51
 - fentanyl, pediatric pulmonary compliance response (abstr) [Marty & Desmonts], S318
 - fentanyl, pharmacokinetics in man (abstr) [McClain & Hug], S29

- fentanyl, polymorphonuclear leukocyte chemotaxis responses to (abstr) [Mathieu & others], S56
fentanyl, rigidity and hypercarbia on induction (abstr) [Comstock & others], S28
fentanyl, septic shock, anesthesia with fentanyl-oxygen (abstr) [Stanley & Reddy], S100
ketamine, analgesia mediation by biogenic amine and endogenous opiate processes (abstr) [Pekoe & Smith], S36
ketamine, asthma, bronchospasm prevention, mechanisms (abstr) [Hirshman & others], S363
ketamine, brain blood flow response in asphyxiated fetus (abstr) [Pickering & others], S294
ketamine, cardiovascular effects of infusion (abstr) [Wilson & others], S35
ketamine, for catatonic schizophrenic patient (correspondence) [Reames & Rosenblatt], 577
ketamine, and diazepam, vs. morphine in heart-valve replacement [Dhadphale & others], 200
ketamine, effects of, on nociceptive cells in medial medullary reticular formation [Ohtani & others], 414
ketamine, hemorrhage during, microvascular responses (abstr) [Longnecker & Ross], S142
ketamine, mechanism of analgesia (abstr) [Finck & Ngai], S34
ketamine, mechanisms for analgesia and hallucinosis (abstr) [Haydala & others], S52
ketamine, neonatal primates, monitoring lung mechanics in (abstr) [Wuest & others], S384
ketamine, optical isomers (abstr) [White & others], S83
ketamine, safe in acute intermittent prophylaxis (correspondence) [Rizk], 184
ketamine, serotonin biosynthesis response to (abstr) [Martin & Smith], S11
ketamine, vasculature, peripheral, dual effect on (abstr) [Liao & others], S116
morphine, adrenergic response to incision, anesthetic dose that blocks (abstr) [Roizen & Horrigan], S141
morphine, anemia, anesthesia, and myocardial blood flow distribution (abstr) [Graham & others], S92
morphine, aortic cross clamping, anesthetic techniques compared (abstr) [Bartkowski & others], S136
morphine, blood flow, regional distribution, responses to in conscious dogs (abstr) [Priano & Vatner], S140
morphine, cardiac output responses to in conscious dogs (abstr) [Priano & Vatner], S140
morphine, cerebral metabolism, blood flow and electroencephalogram relationships in dog during anesthesia with [Kuramoto & others], 211
morphine, coronary artery bypass, hemoglobin-oxygen affinity changes during (abstr) [Graham & others], S93
morphine, diazepam with, adrenergic response to (abstr) [Hoar & others], S105
morphine, liver disease patients anesthetized with (abstr) [Hug & others], S30
morphine, metocurine effects in patients with aortic valvular disease during anesthesia (abstr) [Zaidan & others], S137
morphine, nitrous oxide and, balanced anesthesia cardiovascular effects before and after pancuronium (abstr) [Bennett & Stanley], S138
morphine, polymorphonuclear leukocyte chemotaxis responses to (abstr) [Mathieu & others], S56
morphine, in studies of brain endorphins in pentobarbital anesthesia and toxicity [Bhargava], 398
pentobarbital, studies of role of brain endorphins in [Bhargava], 398
steroids, alphaprodine, EEG, human, during induction (abstr) [Smith & others], S6
steroids, althesin, EEG, human, during induction (abstr) [Smith & others], S6
sufentanil, hemodynamic effects of anesthetic doses (abstr) [Reddy & others], S102
thiopental, anemia, anesthesia, and myocardial blood flow distribution (abstr) [Graham & others], S92
thiopental, asthma, bronchospasm prevention, mechanisms (abstr) [Hirshman & others], S363
thiopental, circulatory hemodynamics and myocardial infarct size in dogs with acute coronary occlusion after high doses (abstr) [Gagnon & others], S89
thiopental, echocardiographic evaluation of ventricular performance (abstr) [Firestone & others], S22
thiopental, EEG, human, during induction (abstr) [Smith & others], S6
thiopental, EEG response to during enflurane (abstr) [Smith & others], S5
thiopental, hyperthermia with, pulmonary shunting during (abstr) [Lees & others], S385
thiopental, hypothermia with, synergistic EEG suppression (abstr) [Quasha & others], S20
thiopental, pharmacokinetics, zero-order, of high-dose (abstr) [Mihm & others], S204
local
action, consumers' guide to models of (medical intelligence) [Lee], 64
benzocaine, cell membrane model interaction (abstr) [Goto & others], S230
benzocaine, lidocaine and, action mechanisms compared (abstr) [Kendig & Erickson], S219
bupivacaine, blockade of sensory and motor pathways (abstr) [Galindo & Witcher], S216
bupivacaine, cardiac arrest following regional anesthesia with (editorial views) [Albright], 285
bupivacaine, cesarean section for diabetics (abstr) [Datta & others], S302
bupivacaine, cesarean section epidural analgesia (abstr) [James & others], S310
bupivacaine, chloroprocaine mixture (abstr) [Galindo & Witcher], S213
bupivacaine, and chloroprocaine used individually and chloroprocaine-bupivacaine mixture for obstetric epidural analgesia, compared, [Cohen & Thurlow], 288
bupivacaine, for continuous axillary analgesia in traumatic hand injury (clinical report) [Rosenblatt & others], 565
bupivacaine, dextran mixture, nerve block duration with (abstr) [Buckley & Fink], S125
bupivacaine, dextran with, nerve block duration (abstr) [Curtiss & Scurlock], S214
bupivacaine, dose responses in pregnant and nonpregnant patients (abstr) [Sharrock & Greenidge], S298
bupivacaine, intravenous injection in pregnant ewe (abstr) [Craft & others], S309
bupivacaine, lung macrophage depression, possible mechanism (abstr) [Graham & others], S48
bupivacaine, nerve fibers, fast and slow, responses to local anesthetics (abstr) [Gissen & others], S217
bupivacaine, neural effects of epidural anesthetics (abstr) [Cusick & others], S227
bupivacaine, pelvic surgery, intra-abdominal, tetracaine compared with (abstr) [Moore], S211
bupivacaine, 0.125 per cent, in obstetric epidural analgesia [Bleyaert & others], 435
bupivacaine, scalp infiltration, blood levels with (abstr) [Colley & others], S238
bupivacaine, spread of epidural analgesia in parturient, lateral position and volume effects on (abstr) [Hew & others], S300
bupivacaine, tetrodotoxin comparison (abstr) [Scurlock & Curtiss], S232
bipivacaine, transplacental equilibrium of, effects of changes in maternal-fetal pH on [Kennedy & others], 50
for cataract operations, plasma catecholamine levels during (clinical report) [Donlon & Moss], 471
chloroprocaine, bupivacaine mixture (abstr) [Galindo & Witcher], S213
chloroprocaine, and bupivacaine used individually and chloroprocaine-bupivacaine mixture for obstetric epidural analgesia, compared, [Cohen & Thurlow], 288

- chlorprocaine, cesarean section epidural analgesia (abstr) [James & others], S310
- chlorprocaine, for continuous axillary analgesia in traumatic hand injury (clinical report) [Rosenblatt & others], 565
- chlorprocaine, continuous-infusion epidural block for analgesia in labor (abstr) [Keneppe & Gutsche], S303
- chlorprocaine, dextrose affects gravitational spread of epidural anesthesia (abstr) [Park & Eastwood], S301
- chlorprocaine, lung macrophage depression, possible mechanism (abstr) [Graham & others], S48
- chlorprocaine, neural effects of epidural anesthetics (abstr) [Cusick & others], S227
- chlorprocaine, pharmacokinetics in $E_1^nE_1^a$ (abstr) [Zsigmond & others], S222
- cocaine, and lidocaine, motor activity changes and acetylcholine turnover induced in brains of rats by [Ngai & others], 230
- dibucaine numbers, rapid semiautomated method for determination (abstr) [Arnold], S264
- etidocaine, blockade of sensory and motor pathways (abstr) [Galindo & Witcher], S216
- etidocaine, cardiac arrest following regional anesthesia with (editorial views) [Albright], 285
- etidocaine, nerve fibers, fast and slow, responses to local anesthetics (abstr) [Gissen & others], S217
- etidocaine, neural effects of epidural anesthetics (abstr) [Cusick & others], S227
- lidocaine, benzocaine and, action mechanisms compared (abstr) [Kendig & Erickson], S219
- lidocaine, blockade of sensory and motor pathways (abstr) [Galindo & Witcher], S216
- lidocaine, brain metabolic events during seizures (abstr) [Ingvær & Shapiro], S229
- lidocaine, cell membrane model interaction (abstr) [Goto & others], S230
- lidocaine, and cocaine, motor activity changes and acetylcholine turnover induced in brains of rats by [Ngai & others], 230
- lidocaine, dextran mixture, nerve block duration with (abstr) [Buckley & Fink], S215
- lidocaine, prior to endotracheal extubation, blood-pressure and pulse-rate responses with or without (clinical report) [Bidwai & others], 171
- lidocaine, enflurane requirement and ventilatory response to carbon dioxide during infusion of in dogs [Himes & others], 131
- lidocaine, epidural analgesia spread in early pregnancy (abstr) [Fagraeus & others], S299
- lidocaine, without epinephrine, and fine structure or microtubules of trigeminal nerve *in vivo* [Byers & others], 55
- lidocaine, extubation, cardiovascular responses to with (abstr) [Edde], S195
- lidocaine, extubation, cardiovascular responses to with (abstr) [Wohlner & others], S194
- lidocaine, hypertension, intracranial, prevention by intravenous (abstr) [Donegan & others], S201
- lidocaine, intravenously administered, analgesic action of, on dorsal-horn nociceptive neurons [Dohi & others], 123
- lidocaine, lung macrophage depression, possible mechanism (abstr) [Graham & others], S48
- lidocaine, nerve fibers, fast and slow, responses to local anesthetics (abstr) [Gissen & others], S217
- lidocaine, neuromuscular relaxant interactions with (abstr) [Morita & others], S282
- lidocaine, osmotic swelling effects on neural conduction of [Fink & others], 418
- lidocaine, partition coefficients in phospholipid liposomes (abstr) [Trudell & others], S13
- lidocaine, potentiation of block by hypoosmotic neural swelling and electrolyte depletion (abstr) [Fink & others], S220
- lidocaine, sensory pathway vulnerability to (abstr) [Galindo & Witcher], S212
- lidocaine, steroids, epidural, effects on nerves and meninges (abstr) [Delaney & others], S226
- lidocaine, *d*-tubocurarine potentiation by, train-of-four measurement (abstr) [Zukaitis & Hoech], S288
- mechanisms of (report of scientific meeting) [Bartkowski], 580
- mixtures, of bupivacaine and chlorprocaine and chloroprocaine and bupivacaine used individually for obstetric epidural analgesia, compared, [Cohen & Thurlow], 288
- nerve fiber blocking length as related to conduction velocity (abstr) [Galindo & others], S218
- procaine, neuromuscular relaxant interactions with (abstr) [Morita & others], S282
- procaine, pharmacokinetics of chlorprocaine in $E_1^nE_1^a$ (abstr) [Zsigmond & others], S222
- and rheologic behavior of erythrocyte suspensions (laboratory report) [Chen & others], 245
- Second International Research Conference on Molecular Mechanisms of Anesthesia (report of scientific meeting) [Bartkowski], 580
- tetracaine, calculating dose of, body weight vs. surface area for (correspondence) [Dohi & others], 569
- tetracaine, calculating dose of, body weight vs. surface area for (correspondence) [Feingold], 568
- tetracaine, cell membrane model interaction (abstr) [Goto & others], S230
- tetracaine, hypoosmolarity contribution to spinal anesthesia (abstr) [Barsa & others], S221
- tetracaine, nerve fibers, fast and slow, responses to local anesthetics (abstr) [Gissen & others], S217
- tetracaine, pelvic surgery, intra-abdominal, bupivacaine compared with (abstr) [Moore], S211
- tetrodotoxin, bupivacaine comparison (abstr) [Scurlock & Curtiss], S232
- rectal, methohexitol premedication in children, dose comparison study (abstr) [Liu & others], S331
- volatile
- aliflurane, determination of minimum alveolar concentration of [Munson & others], 545
 - aliflurane, uptake and biotransformation of in man (clinical report) [Holaday & others], 548
 - chloroform, sperm morphologic response in mouse (abstr) [Land & others], S259
 - DEME, metabolism and hemodynamics (abstr) [Tinker & others], S25
 - diethyl ether, decreasing dose requirement of *d*-tubocurarine [Waud], 298
 - diethyl ether, in inhibition of glucose-stimulated insulin secretion in isolated rat pancreas [Gingerich & others], 34
 - diethyl ether, sperm morphologic response in mouse (abstr) [Land & others], S259
 - enflurane, adrenergic response to incision, adrenergic dose that blocks (abstr) [Roizen & Horrigan], S141
 - enflurane, anticholinergic interaction with (abstr) [Samra & Cohen], S115
 - enflurane, anticonvulsant effect (abstr) [Triner & others], S8
 - enflurane, aortic cross clamping, anesthetic techniques compared (abstr) [Bartkowski & others], S136
 - enflurane, bile duct responses to in dogs (abstr) [Zylanoff & others], S32
 - enflurane, blood flow distribution with (abstr) [Miller & others], S124
 - enflurane, calcium dynamics in sarcoplasmic reticulum response to (abstr) [Conahan & Blanck], S146
 - enflurane, cerebral blood flow and metabolism, local, during (abstr) [Ray & others], S10
 - enflurane, cerebrospinal fluid dynamics in rat during (abstr) [Mann & others], S54
 - enflurane, chromatographic determination, temperature correction (abstr) [Miller & Randall], S12
 - enflurane, conduction, atrioventricular, enhancement by pancuronium during (abstr) [Kreul & Atlee], S86

- enflurane, decreasing dose requirement of *d*-tubocurarine [Waud], 298
enflurane, deuteration of (editorial views) [Mazze & Denson], 101
enflurane, deuteration of, effects on metabolism of in rat [McCarty & others], 106
enflurane, EEG during rapidly changing concentration (abstr) [Smith & others], S4
enflurane, EEG during, thiopental and nitrous oxide effects on (abstr) [Smith & others], S5
enflurane, exposure, dopamine-sensitive adenylate cyclase activity in rat caudate nucleus during [Woo & others], 27
enflurane, fentanyl vs. for outpatient anesthesia (abstr) [Chen & Berman], S51
enflurane, gentamicin and, in chronic renal failure (abstr) [Fish & others], S262
enflurane, hemorrhage during, microvascular responses (abstr) [Longnecker & Ross], S142
enflurane, hypokalemia and epinephrine-induced dysrhythmias during (abstr) [Wong & others], S118
enflurane, isoniazid metabolites and anesthetic metabolism (abstr) [Fish & Rice], S256
enflurane, kidney function after transplantation affected by (abstr) [Goldman & others], S24
enflurane, LD₅₀ changes after cholecystectomy or hysterectomy in patients receiving (clinical report) [Viegas & Stoelting], 556
enflurane, occupational exposure, sampling of operating room air by use of device worn by personnel (abstr) [Burm & Spierdijk], S355
enflurane, pediatric cardiovascular performance during induction, halothane comparison (abstr) [Barash & others], S315
enflurane, placental transfer effects compared with halothane (abstr) [Abboud & others], S306
enflurane, rate-pressure product exercise threshold violation in coronary patients (abstr) [Reves & others], S64
enflurane, requirement and ventilatory response to carbon dioxide during lidocaine infusion in dogs [Himes & others], 131
enflurane, semiclosed system effect on concentration (abstr) [Goldman & others], S23
enflurane, sperm morphologic response in mouse (abstr) [Land & others], S259
enflurane, teratogenesis, reproductive safety in female mice (abstr) [Wharton & Mazze], S261
enflurane, *d*-tubocurarine, time-dependent increase in sensitivity to during anesthesia (abstr) [Stanski & others], S269
enflurane, urodynamic studies in children, halothane comparison (abstr) [Lieding & others], S314
enflurane, ventilatory depression by analyzed (abstr) [Wahba], S382
enflurane, virus growth alteration (abstr) [Knight & others], S253
enflurane, in whole blood, method for quantifying (laboratory report) [Miller & Gandolfi], 542
fluoxetine, decreasing dose requirement of *d*-tubocurarine [Waud], 298
halothane, acupuncture modification of MAC in dog (abstr) [Tseng & others], S7
halothane, adrenergic response to incision, anesthetic dose that blocks (abstr) [Roizen & Horrigan], S141
halothane, alcohol intoxication effect on MAC (abstr) [Amirdivani & others], S49
halothane, anemia, anesthesia, and myocardial blood flow distribution (abstr) [Graham & others], S92
halothane, anticholinergic interaction with (abstr) [Samra & Cohen], S115
halothane, anticonvulsant effect (abstr) [Triner & others], S8
halothane, aortic cross clamping, anesthetic techniques compared (abstr) [Bartkowski & others], S136
halothane, baroreceptor responses in newborn and adult rabbits affected by (abstr) [Ware & others], S325
halothane, bile duct responses to in dogs (abstr) [Zylanoff & others], S32
halothane, blood flow distribution with (abstr) [Miller & others], S124
halothane, brain function, regional, during (abstr) [Hawkins & others], S9
halothane, cardiac adenylate cyclase response to (abstr) [Gangat & others], S129
halothane, carcinogenicity of in mice [Baden & others], 20
halothane, cell cleavage arrest by mechanism (abstr) [Hinkley], S55
halothane, cerebral blood flow and metabolism, local, during (abstr) [Ray & others], S10
halothane, cerebral metabolism, blood flow and electroencephalogram relationships in dog during anesthesia with [Kuramoto & others], 211
halothane, cerebrospinal fluid dynamics in rat during (abstr) [Mann & others], S54
halothane, circulation modulation by central nervous system and (abstr) [Bousquet & others], S53
halothane, conduction, atrioventricular, enhancement by pancuronium during (abstr) [Kreul & Atlee], S86
halothane, coronary arteries, narrowed, and (abstr) [Lowenstein & others], S62
halothane, coronary artery bypass grafting using, ischemia incidence (abstr) [Lieberman & others], S90
halothane, coronary artery bypass, hemoglobin-oxygen affinity changes during (abstr) [Graham & others] S93
halothane, coronary occlusion reflex responses to in dog (abstr) [Bachhuber & others], S88
halothane, coronary reserve greater with (abstr) [Verrier & others], S63
halothane, decreasing dose requirement of *d*-tubocurarine [Waud], 298
halothane, deuteration of (editorial views) [Mazze & Denson], 101
halothane, deuteration of, effects on metabolism of in rat [McCarty & others], 106
halothane, dobutamine effects on myocardial beta-adreno-receptors during (abstr) [Bernstein & others], S109
halothane, EEG analysis of anesthetic depth transition (abstr) [Luque & others], S2
halothane, EEG during rapidly changing concentration (abstr) [Smith & others], S4
halothane, exposure, dopamine-sensitive adenylate cyclase activity in rat caudate nucleus during [Woo & others], 27
halothane, fetal morphology in mice exposed to [Wharton & others], 532
halothane, functional residual capacity reduction causing shunt and low V_A/Q areas (abstr) [Dueck & others], S360
halothane, hemorrhage during, microvascular responses (abstr) [Longnecker & Ross], S142
halothane, hemorrhagic hypotension and trimethaphan-induced hypotension compared during anesthesia with [Mackawa & others], 313
halothane, hepatic necrosis caused by, in phenobarbital-treated rats [Ross & others], 327
halothane, hepatotoxicity, animal model of [McLain & others], 321
halothane, hepatotoxicity of $^2\text{H}/^3\text{H}$ halothane (abstr) [Sipes & Gandolfi], S242
halothane, hepatotoxicity model, hypoxic (abstr) [Brown & others], S239
halothane, hexokinase activity in brain and (abstr) [Richter & White], S257
halothane, 5-hydroxytryptamine uptake and metabolism responses to in rat lungs perfused *in situ* (abstr) [Rannels & others], S251
halothane, hypokalemia and epinephrine-induced dysrhythmias during (abstr) [Wong & others], S118
halothane, hypotension assessment by electromechanical

- monitor, halothane vs. blood loss (abstr) [Pinchak & Eng], S143
- halothane, hypotension, deliberate, effects on spinal-cord hemodynamics (abstr) [Jacobs & others], S80
- halothane, hypotensive drugs and outcome of cerebral aneurysm operations (abstr) [Frost & others], S82
- halothane, immunosuppression in tumor-bearing mice (abstr) [Lewis & others], S252
- halothane, implantable system for delivery of (laboratory report) [Edmunds & Sachdev], 334
- halothane, -induced tachypnea in cats, mechanism of [Mazzarelli & others], 522
- halothane, LDH₅₀ changes after cholecystectomy or hysterectomy in patients receiving (clinical report) [Viegas & Stoeling], 556
- halothane, liver necrosis in hyperthyroid rats (abstr) [Wood & others], S244
- halothane, lung macrophage depression, possible mechanism (abstr) [Graham & others], S48
- halothane, malignant hyperthermia, dantrolene prophylaxis and therapeutic method (abstr) [Flewellen & Nelson], S248
- halothane, malignant hyperthermia, sarcolemmal calcium in (abstr) [Gruener & Blanck], S245
- halothane, malignant hyperthermia, sarcoplasmic reticulum calcium in, halothane present and absent (abstr) [Blanck & others], S246
- halothane, metabolite binding to liver nuclei during low-level exposure (abstr) [Edmunds & others], S241
- halothane, metabolite, enzymatic defluorination (abstr) [Denson & others], S240
- halothane, metabolites, reductive, reactivity (abstr) [Denson & Ford], S243
- halothane, modification of circulatory and hypnotic effects of with naloxone perfusion [Arndt & Freye], 58
- halothane, myocardial ischemia, anesthetics in protection from (abstr) [Tinker & Harrison], S58
- halothane, myocardial ischemic deterioration, global, vs. (abstr) [Walls & others], S144
- halothane, neurons, spinal, heat-evoked responses during (abstr) [Namiki & others], S19
- halothane, nitroprusside-induced blood flow alteration during (abstr) [Delaney & Miller], S73
- halothane, and nitrous oxide-narcotic anesthesia, pharmacokinetics and pharmacodynamics of *d*-tubocurarine during [Stanski & others], 235
- halothane, occupational exposure, sampling of operating room air by use of device worn by personnel (abstr) [Burm & Spierdijk], S355
- halothane, pancuronium reduces requirement (abstr) [Forbes & others], S1
- halothane, pediatric cardiovascular performance during induction, enflurane comparison (abstr) [Barash & others], S315
- halothane, pediatric use, safety in infants examined (abstr) [Diaz & Lockhart], S313
- halothane, peroxidation induced by, pentane expiration as indicator (abstr) [O'Neal & others], S255
- halothane, placental transfer effects compared with enflurane (abstr) [Abboud & others], S306
- halothane, possible interaction of PCB and (correspondence) [Zauder], 95
- halothane, pressure reversal requires water (abstr) [Kamaya & Ueda], S15
- halothane, pseudo-random binary sequence in testing response to (abstr) [Rampil & others], S26
- halothane, rate-pressure product exercise threshold violation in coronary patients (abstr) [Reves & others], S64
- halothane, reductive biotransformation of, SGOT values following (correspondence) [Nawaf & Stoeling], 185
- halothane, reductive metabolism of, and hepatotoxicity (correspondence) [Cousins], 486
- halothane, saralasin-induced blood flow alteration during (abstr) [Delaney & Miller], S73
- halothane, shock, traumatic, fentanyl-droperidol comparison (abstr) [Shin & others], S101
- halothane, soda lime adsorption in pediatric circuit (abstr) [Grodin & Epstein], S317
- halothane, sperm morphologic response in mouse (abstr) [Land & others], S259
- halothane, in synthesis of nucleic acid in *Tetrahymena pyriformis* [Conklin & Lau], 508
- halothane, trace concentrations biotransformation in anesthetists [Duvaldestin & others], 41
- halothane, urodynamic studies in children, enflurane comparison (abstr) [Lieding & others], S314
- halothane, ventricular conduction during (abstr) [Turner & others], S85
- halothane, ventricular stiffness, active, of left ventricle during (abstr) [Shimosato & Kemnotsu], S106
- halothane, viral RNA protein synthesis altered by (abstr) [Bedows & others], S57
- halothane, virus growth alteration (abstr) [Knight & others], S253
- halothane, visual evoked response as index of potency (abstr) [Uhl & others], S18
- halothane, volatile metabolites of, mutagenicity studies with [Edmunds & others], 424
- isoflurane, decreasing dose requirement of *d*-tubocurarine [Waud], 298
- isoflurane, isoniazid metabolites and anesthetic metabolism (abstr) [Fish & Rice], S256
- isoflurane, sperm morphologic response in mouse (abstr) [Land & others], S259
- isoflurane, studies of carcinogenic potential of (correspondence) [Van Poznak], 487
- isoflurane, virus growth alteration (abstr) [Knight & others], S253
- methoxyflurane, cerebral metabolism, blood flow and electroencephalogram relationships in dog during anesthesia with [Kuramoto & others], 211
- methoxyflurane, decreasing dose requirement of *d*-tubocurarine [Waud], 298
- methoxyflurane, deuterated, anesthesia with (abstr) [Baden & others], S263
- methoxyflurane, deuteration of (editorial views) [Mazze & Denson], 101
- methoxyflurane, deuteration of, effects on metabolism of in rat [McCarty & others], 106
- methoxyflurane, hypokalemia and epinephrine-induced dysrhythmias during (abstr) [Wong & others], S118
- methoxyflurane, isoniazid metabolites and anesthetic metabolism (abstr) [Fish & Rice], S256
- methoxyflurane, for labor and delivery, renal function in newborns and mothers exposed to (clinical report) [Clark & others], 464
- methoxyflurane, nitroprusside-induced hypotension and trimethaphan-induced hypotension compared during anesthesia with [Maekawa & others], 313
- methoxyflurane, pulmonary biotransformation of [Blitt & others], 528
- nitrous oxide and, dental operatory, anesthetic health hazards (abstr) [Cohen & others], S254
- protein surface potential decreased by (abstr) [Ueda & others], S14
- sevoflurane, biotransformation and pharmacologic properties (abstr) [Holaday & Smith], S27
- sevoflurane, isoniazid metabolites and anesthetic metabolism (abstr) [Fish & Rice], S256
- trace concentrations, occupational exposure, sampling of operating room air by use of device worn by personnel (abstr) [Burm & Spierdijk], S355
- trace concentrations, sperm morphologic response in mouse (abstr) [Land & others], S259
- trichloroethylene, sperm morphologic response in mouse (abstr) [Land & others], S259

- Angiotensin, see Polypeptides, renin-angiotensin
Anomalies, hereditary, see Genetic factors
Antacids
 see under Gastrointestinal tract
 single-dose oral, in preoperative prophylaxis of aspiration pneumonitis (clinical report) [Detmer & others], 270
Antagonists
 narcotic
 naloxone, brain metabolic effects (abstr) [Artru & others], S46
 naloxone, does not antagonize diazepam-induced sedation (correspondence) [Christensen & Hüttel], 187
 naloxone, EEG arousal by (abstr) [Roy & Stullken], S47
 naloxone, effect of an analgesia induced by nitrous oxide [Chapman & Benedetti], 135
 naloxone, modification of circulatory and hypnotic effects of halothane with [Arndt & Freye], 58
 naloxone, naltrexone comparison in man (abstr) [Smith], S373
 naloxone, opiate effects on temperature, receptor mediation (abstr) [Rosow & others], S31
 naloxone, in reversal of effects of morphine on dorsal-horn neuronal responses [Dohi & others], 408
 naloxone, in studies of brain endorphins in pentobarbital anesthesia and toxicity [Bhargava], 398
 naltrexone, naloxone comparison in man (abstr) [Smith], S373
 naltrexone, morphine, enhancement, chronic (abstr) [Havdala & others], S235
 naltrexone, in studies of brain endorphins in pentobarbital anesthesia and toxicity [Bhargava], 398
Antagonists
 neuromuscular relaxants
 4-aminopyridine, anticholinesterase interaction *in vitro* (abstr) [Foldes & others], S289
 4-aminopyridine, ganglion block reversal (abstr) [Durant & others], S268
 4-aminopyridine, *d*-tubocurarine block reversal *in vivo* (abstr) [Foldes & others], S286
 edrophonium, antagonism of pancuronium-induced neuromuscular blockade [Kopman], 139
 edrophonium, hazards of (correspondence) [Ludwig & Brisztow], 567
 neostigmine, 4-aminopyridine interaction *in vitro* (abstr) [Foldes & others], S289
 neostigmine, atropine and, coronary-artery bypass grafting (abstr) [Brooks & others], S168
 neostigmine, pancuronium reversal in neonatal intensive care unit (abstr) [Goudsouzian & others], S329
 neostigmine, pharmacokinetics of, and renal function in anesthetized man [Cronnelly & others], 222
 neostigmine, *d*-tubocurarine block reversal *in vivo* (abstr) [Foldes & others], S286
 physostigmine, diazepam sedation reversal (abstr) [Garber & others], S37
 physostigmine, EEG arousal by (abstr) [Roy & Stullken], S47
 physostigmine, in reversal of diazepam-induced postanesthetic somnolence (clinical report) [Bidwai & others], 256
 pyridostigmine, 4-aminopyridine interaction *in vitro* (abstr) [Foldes & others], S289
 reversal of neuromuscular blockade and tricyclic antidepressants (correspondence) [Glisson & El-Etr], 575
Antibiotics
 gentamicin, enflurane and in chronic renal failure (abstr) [Fish & others], S262
 neomycin, neuromuscular block by, mechanism (abstr) [Lee & others], S285
 see under Pharmacology
Anticholinergics, see under Premedication
Anticoagulants, see under Blood
Anticonvulsants
 enflurane as (abstr) [Triner & others], S8
 halothane as (abstr) [Triner & others], S8
Antiemetics, see under Vomiting
Antihistamines, promethazine, lipid peroxidation in brain with (abstr) [Smith & others], S44
ANTONIO, R. P., PHILBIN, D. M., and SAVARESE, J. J., Comparative hemodynamic effects of *d*-tubocurarine and metocurine in the dog (abstr), S281
Aorta, see under Arteries
Aortic clamping, see under Surgery, vascular
Aortic cross-clamping, see under Surgery, vascular
ARAKAWA, K., see GOTYO, H., jt. auth.
ARANCIBIA, C. U., see FROST, E. A. M., jt. auth.
ARENDS, J. F., see GABEL, J. C., jt. auth.
ARNDT, J. O., and FREYE, E., Perfusion of naloxone through the fourth cerebral ventricle reverses the circulatory and hypnotic effects of halothane in dogs, 58
ARNOLD, W. P., A rapid, semi-automated method for determining dibucaine numbers (abstr), S264
Arrhythmia, see under Heart
Arteries
 aorta
 clamping, respiratory resistance during (abstr) [Camporesi & others], S365
 cross clamping, anesthetic techniques during compared (abstr) [Bartkowski & others], S136
 cross-clamping, infrarenal, pulmonary changes (abstr) [Klineberg & others], S388
 intra-aortic balloon pump and renal function (abstr) [Hilberman & others], S166
 axillary, catheterization (abstr) [Bryan-Brown & others], S157
 brachial, catheterization, safety vs. radial arterial catheterization (abstr) [Comstock & others], S158
 carotid, puncture with cannulation of internal jugular vein (abstr) [Schwartz & others], 160
 coronary, fentanyl effects on adrenergic nerves in (abstr) [Rorie & others], S145
 pulmonary
 blood withdrawal rate effect on venous oxygen saturation (abstr) [Mihm & others], S198
 left atrial mean pressure estimation from right heart measurements (abstr) [Yelderman & others], S210
 radial
 catheterization, safety vs. brachial arterial catheterization (abstr) [Comstock & others], S158
 post-cannulation thrombosis of, aspirin pretreatment in prevention of (clinical report) [Bedford & Ashford], 176
Artificial ventilation, see Ventilation, mechanical
ARTRU, A. A., STEEN, P. A., and MICHENFELDER, J. D., Cerebral metabolic effects of naloxone (abstr), S46
ASHFORD, T. P., see BEDFORD, R. F., jt. auth.
ASKANAZI, J., HYMAN, A. I., ELWYN, D. H., GUMP, F. E., FURST, P., and KINNEY, J. M., Muscle water and electrolytes in injury and infection (abstr), S196
—, ROSENBAUM, S. H., NORDENSTROM, J., ELWYN, D. H., CARPENTIER, Y. A., and KINNEY, J. M., Nutrition for the patient with respiratory failure (abstr), S192
—, see ROSENBAUM, S. H., jt. auth. (2)
Asphyxia, see under Airway, obstruction; Complications; Ventilation, obstruction
Aspiration, see under Complications; Lung
Asthma, see under Complications; Lung
Ataractics
 butyrophenones
 droperidol, interaction with halothane and enflurane, dopamine-sensitive adenylate cyclase activity in rat caudate nucleus during [Woo & others], 27
 haloperidol, interaction with halothane and enflurane, dopamine-sensitive adenylate cyclase activity in rat caudate nucleus during [Woo & others], 27
ATLEE, J. L., see AMMENDRUP, P., jt. auth.
—, see KREUL, J. F., jt. auth.
Atropine, see under Parasympathetic nervous system; Premedication

- ATTIA, R., and GROGOLO, A., *Practical Anesthetic Pharmacology* (book review), 191
- Auditory nerve, see under Nerve
- AUERBACH, D., see WYNNE, J. W., jt. auth.
- AUKBURG, S. J., see BARTKOWSKI, R. R., jt. auth.
- , see KLINEBERG, P. L., jt. auth.
- AUSTEN, W. G., see deBROS, F., jt. auth.
- Axillary block, see under Anesthetic techniques, regional
- AZAR, I., SATYANARAYANA, T., and TURNDORF, H., Urine and serum K^+ after K^+ cardioplegia in man (abstr), S96
- AZER, S., see BRYAN-BROWN, C. W., jt. auth.
- BABINSKI, M., see BORMAN, B., jt. auth.
- BACHHUBER, S. R., SEAGARD, J. L., BOSNIAK, Z. J., BOROWEC, L. W., and KAMPINE, J. P., Halothane effect on coronary occlusion reflexes in the dog (abstr), S88
- BACKER, C. L., TINKER, J. H., and ROBERTSON, D. M. Myocardial reinfarction following local anesthesia (abstr), S61
- Bacteria, see also under Infection
- BADEN, J. M., MAZZE, R. I., WHARTON, R. S., RICE, S. A., and KOSEK, J. C., Carcinogenicity of halothane in Swiss/ICR mice, 20
- , RICE, S. A., DENSON, D. D., and MAZZE, R. I., Deuterated methoxyflurane (d_4 -MOF) anesthesia (abstr), S263
- , see EDMUND, H. N., jt. auth.
- , see WHARTON, R. S., jt. auth.
- BAETZ, W. R., see SCHNEIDER, A. J. L., jt. auth.
- BAGEAMT, T., see PETTY, C., jt. auth.
- BAHN, R. C., see NAUSS, L. A., jt. auth.
- Bain circuit, see under Equipment, circuits
- BAINTON, C. R., see HOAR, P. F., jt. auth.
- BAKER, A. B., see SMITH, N. T., jt. auth.
- BAKER, E. A., see JOYCE, T. H., jt. auth.
- BALAGOT, R. C., and EHRENPREIS, S., Continuing studies of D-phenylalanine induced analgesia in mice and humans. (abstr), S231
- BALAMOUTSOS, N. G., see GIALA, M. M., jt. auth.
- BALASARASWATHI, K., see RAO, T. L. K., jt. auth.
- Balloon pump, see under Equipment, pump
- BARASH, P. G., KATZ, J. D., FIRESTONE, S., HUI, S., TAUNT, K., JAFFE, C., TALNER, N. S., and KLEINMAN, C. S., S315
- , see FIRESTONE, S., jt. auth.
- BARBER, M. J., see JACOBS, H. K., jt. auth.
- Barbiturates, see under Hypnotics
- Baroreceptors, see under Receptors
- Barotrauma, see under Complications
- BARRESI, V., see FRAGEN, R. J., jt. auth.
- BARSA, J., FINK, B. R., LAMB, J., FREUND, F., and MURPHY, T., The contribution of hypoosmolarity to spinal anesthesia (abstr), S221
- , see FINK, B. R., jt. auth. (2)
- BARSON, P. K., see WAGNER, R. B., jt. auth.
- , Second international research conference on molecular mechanisms of anesthesia. (reports of scientific meetings), 580
- BARTKOWSKI, R. R., AUKBURG, S. J., GREENHOW, D. E., KLINEBERG, P. L., ROSENBERG, H., A ANDREWS, R., and ROBERTS, B., Comparing anesthetic techniques during aortic cross clamp (abstr), S136
- , see KLINEBERG, P. L., jt. auth.
- Base excess, see under Acid-base equilibrium
- BASSELL, G., see SIVARAJAN, M., jt. auth.
- BATTIT, G. E., see FAHMY, N. R., jt. auth.
- BAUMAN, J., Treatment of acute herpes zoster neuralgia by epidural injection or stellate ganglion block (abstr), S223
- BEARD, A. G., see CLARK, R. B., jt. auth.
- BEAUDOIN, A. R., see LANE, G. A., jt. auth.
- , and ASHFORD, T. P., Aspirin pretreatment prevents post-cannulation radial-artery thrombosis (clinical reports), 176
- , BERRY, F. A., and LONGNECKER, D. E., Propranolol reduces nitroprusside dose and cyanide levels (abstr), S131
- , see DONEGAN, M., jt. auth.
- BEDOWS, H., KNIGHT, P. R., NAIRWOLD, M. L., and COHEN, P. J., Halothane alterations in viral RNA-protein synthesis (abstr), S57
- BEHNIA, R., OSBORN, R. C., LINDE, H. W., and BRUNNER, E. A., Renal function and hemodynamics during induced hypotension in dogs (abstr), S81
- BELANI, K. G., GILMOUR, I. J., MCCOMB, R. C., and THOMPSON, T. R., Physical ventilatory weaning parameters in neonates and infants (abstr), S330
- BENDIXEN, H. H., see STONE, J. G., jt. auth.
- BENEDETTI, G., see CHAPMAN, C. R., jt. auth.
- BENNETT, G., and STANLEY, T. H., Comparison of the cardiovascular effects of morphine-N₂O and fentanyl-N₂O balanced anesthesia before and after pancuronium in man (abstr), S138
- BENUMOF, J. L., BERRYHILL, R. E., MARUSCHAK, G. F., OZAKI, G. T., and MEATHE, E. A., Tracheal wall pressure caused by endotracheal tube tip (abstr), S193
- , ROGERS, S. N., MOYCE, P. R., BERRYHILL, R. E., WAHRENBROCK, E. A., and SAIDMAN, L. J., Hypoxic pulmonary vasoconstriction and regional and whole-lung PEEP in the dog, 503
- , see BERRYHILL, R. E., jt. auth.
- , see JOHANSEN, I., jt. auth. (4)
- , see MEATHE, E. A., jt. auth.
- Benzocaine, see under Anesthetics, local
- Benzodiazepines, see under Hypnotics
- BERCI, G., see KATZ, R. L., jt. auth.
- BERGMAN, N. A., see HIRSHMAN, C. A., jt. auth.
- BERKOWITZ, B. A., FINCK, A. D., HYNES, M. D., and NGAI, S. H., Tolerance to nitrous oxide analgesia in rats and mice, 309
- , see YANG, J. C., jt. auth.
- BERMAN, L. S., DOWNS, J. B., VAN EEDEN, A., and DELHAGEN, D., Reverse i:e ratio, CPAP and CPPV: is there a difference? (abstr), S188
- BERMAN, L., see STANLEY, T. H., jt. auth.
- BERMAN, M. L., see CHEN, L. H., jt. auth.
- , see WOOD, M., jt. auth.
- BERNSTEIN, K., GANGAT, Y., VULLIEMEZ, Y., VEROSKY, H., and TRINER, L., Halothane/Dobutamine: myocardial beta-adrenoreceptors (abstr), S109
- , see GANGAT, Y., jt. auth.
- BERNTMAN, L., WELSH, F. A., BIANROSA, J. J., and HARP, J. R., Diazepam fails to protect brain tissue in hypoxic stress (abstr), S202
- BERRY, A. J., GEER, R. T., and MARSHALL, B. E., Alteration of pulmonary blood flow by pulmonary-artery occluded pressure measurement (clinical reports), 164
- , GEER, R. T., MARSHALL, C., and MARSHALL, B. E., The effect of long term CMV and PEEP on renal function in dogs (abstr), S187
- , see GEER, R. T., jt. auth.
- BERRY, F. A., see BEDFORD, R. F., jt. auth.
- BERRYHILL, R. E., and BENUMOF, J. L., PEEP-induced discrepancy between pulmonary arterial wedge pressure and left atrial pressure: the effects of controlled vs. spontaneous ventilation and compliant vs. noncompliant lungs in the dog, 303
- , see BENUMOF, J. L., jt. auth. (2)
- , see MEATHE, E. A., jt. auth.
- Beta-adrenergic receptors, see under Sympathetic nervous system
- BETCHER, A. M., see JOB, C. A., jt. auth.
- BETHEA, H. L., see COHEN, J. A., jt. auth.
- BETTS, E. K., Optimal positioning for cervical and thoracic operations (correspondence), 483
- BEVAN, D. R., LIGHTMAN, S., and PEART, W. S., Plasma renin activity, extradural analgesia and surgery (abstr), S228
- BEVAN, J. C., and ROSALES, J. K., Glucose utilization during C.P.B. in paediatric patients (abstr), S322
- BHARGAVA, H. N., Studies of the possible role of brain endorphins in pentobarbital anesthesia and toxicity in mice, 398
- BIANROSA, J. J., see BERNTMAN, L., jt. auth.

- Bibliography, see under Records, anesthesia
- Bicarbonate, see under Acid-base equilibrium
- BIDWAI, A. V., BIDWAI, V. A., ROGERS, C. R., and STANLEY, T. H., Blood-pressure and pulse-rate responses to endotracheal extubation with and without prior injection of lidocaine (clinical reports), 171
- , ROGERS, C. R., PEARCE, M., and STANLEY, T. H., Pre-operative stellate-ganglion blockade to prevent hypertension following coronary-artery operations (clinical reports), 345
- , ROGERS, C. R., and STANLEY, T. H., Prevention of post-extubation laryngospasm after tonsilectomy (abstr), S50
- , STANLEY, T. H., ROGERS, C. R., and RIET, E. K., Reversal of diazepam-induced postanesthetic somnolence with physostigmine (clinical reports), 256
- , see LUNN, J. K., jt. auth.
- BIDWAI, V. A., see BIDWAI, A. V., jt. auth.
- BIEBUYCK, J. F., see HAWKINS, R. A., jt. auth.
- , see RANNELS, D. E., jt. auth.
- BIEHL, D. R., see ROLBIN, S. H., jt. auth.
- BIRKHAZI, G. B., THOMAS, K. C., and FOLDES, F. F., Effects of verapamil and EGTA on mammalian muscle in vitro (abstr), S275
- Bile, see under Liver
- Biotransformation
- aliflurane, in man (clinical report) [Holaday & others], 548
 - (drug)
 - deuteration of anesthetics (editorial views) [Mazze & Denson], 101
 - enzyme induction, isoniazid metabolites and anesthetic metabolism (abstr) [Fish & Rice], S256
 - fluorometabolites, DEME study (abstr) [Tinker & others], 825
 - fluorometabolites, in halothane administration in hypoxia [Ross & others], 327
 - fluorometabolites, halothane, enzymatic defluorination (abstr) [Denson & others], S240
 - fluorometabolites, halothane, reductive, reactivity (abstr) [Denson & Ford], S243
 - fluorometabolites, isoniazid metabolites, anesthetic metabolism and (abstr) [Fish & Rice], S256
 - fluorometabolites, in metabolism of methoxyflurane by lung [Blitt & others], 528
 - fluorometabolites, sevoflurane in man (abstr) [Holaday & Smith], S27
 - halogenated anesthetics in rat, effects of deuteration on [McCarty & others], 106
 - halothane $^2\text{H}^3\text{H}$, bioactivation and hepatotoxicity (abstr) [Sipes & Gandolfi], S242
 - halothane metabolite binding to liver nuclei during low-level exposure (abstr) [Edmunds & others], S241
 - halothane, reductive, SGOT values following (correspondence) [Nawaf & Stoelting], 185
 - hydrolysis, 2-chloroprocaine pharmacokinetics in $\text{E}_1^{\text{a}}\text{E}_1^{\text{a}}$ (abstr) [Zsigmond & others], S222
 - isoniazid metabolites, anesthetic metabolism and (abstr) [Fish & Rice], S256
 - pseudocholinesterase, chloroprocaine pharmacokinetics in $\text{E}_1^{\text{a}}\text{E}_1^{\text{a}}$ (abstr) [Zsigmond & others], S222
 - pseudocholinesterase, dibucaine numbers, rapid semiautomated method for determination (abstr) [Arnold], S264
- enzyme induction
- in halothane anesthesia causing hepatic necrosis in rats [Ross & others], 327
 - and halothane anesthesia, hepatotoxicity in [McLain & others], 321
 - halothane hepatotoxicity, hypoxic model (abstr) [Brown & others], S239
 - in pulmonary biotransformation of methoxyflurane [Blitt & others], 528
- fluorometabolites
- in biotransformation of aliflurane in man (clinical report) [Holaday & others], 548
 - mutagenicity studies and [Edmunds & others], 424
- halothane
- in anesthetists [Duvaldestin & others], 41
 - and hepatotoxicity (correspondence) [Cousins], 486
 - microsomes
 - and halothane anesthesia, hepatotoxicity in [McLain & others], 321
 - of methoxyflurane [Blitt & others], 528
- BIRCH, A. A., and BOYCE, W. H., Renal blood flow autoregulation during anesthesia (abstr), S123
- , see STEVENSON, P. H., jt. auth.
- BJORAKER, D., Computer management of an anesthesia bibliography (abstr), S332
- BLANCK, T. J. J., GRUENER, R., STERN, L. Z., and THOMPSON, M., Malignant hyperthermia: the sarcoplasmic reticulum (abstr), S246
- , see CONAHAN, T. J., jt. auth.
- BLANCK, T. J. J., see GRUENER, R., jt. auth.
- BLASCHKE, T. F., see SARNQUIST, F. H., jt. auth.
- BLATNICK, R. A., see TSENG, C-K, jt. auth.
- BLEYAERT, A., SOETENS, M., VAES, L., VAN STEENBERGE, A. L., and VAN DER DONCK, A., Bupivacaine, 0.125 per cent, in obstetric epidural analgesia, 435
- BLITT, C. D., BROWN, B. R., WRIGHT, B. J., GANDOLFI, A. J., and SIPES, I. G., Pulmonary biotransformation of methoxyflurane: a *in-vitro* study in the rabbit, 528
- , see ORR, C. W., jt. auth.
- Block, nerve, see under Anesthetic techniques, regional; Nerve
- BLOEDOW, D. C., see COLLEY, P. S., jt. auth.
- Blood
- anemia
 - myocardial blood flow distribution during anesthesia (abstr) [Graham & others], S92
 - normovolemic, in coronary disease, hemodynamic changes due to (abstr) [Rao & others], S164
 - anticoagulants
 - heparin, pediatric open-heart surgery, activity during (abstr) [Cohen & others], S321
 - heparin, potassium, serum, response to (abstr) [Hill & others], S207
 - heparin, propranolol binding in plasma during cardiopulmonary bypass following administration of [Wood & others], 512
 - brain barrier, see under Brain
 - coagulation
 - aspirin pretreatment in prevention of post-cannulation radial-artery thrombosis (clinical report) [Bedford & Ashford], 176
 - calcium chloride, intravenous, and (abstr) [Fahmy & Lappas], S117
 - heparin, blood loss with monitoring anticoagulation and reversal (abstr) [Jobes & others], S167
 - heparin, hypothermic cardiopulmonary bypass accompanied by prolongation of activity (abstr) [Entress & others], S99
 - protamine, blood loss with monitoring anticoagulation and reversal (abstr) [Jobes & others], S167
 - protamine, following cardiopulmonary bypass, propranolol binding in plasma and [Wood & others], 512
 - protamine, pediatric open-heart surgery, heparin activity during (abstr) [Cohen & others], S321
 - erythrocytes
 - rheology, local anesthetics and (laboratory report) [Chen & others], 245
 - viscosity, local anesthetics and (laboratory report) [Chen & others], 245
 - flow, see under individual organs
 - free fatty acids, changes in levels of, produced by heparin and protamine during cardiopulmonary bypass [Wood & others], 512
 - hemodilution, normovolemic, acute (abstr) [Rose & others], S91
 - hemoglobin
 - carboxyhemoglobin, shunt calculation, extrapolated values for (abstr) [Cane & others], S197

- oxyhemoglobin-dissociation curve, optimal position (abstr) [Tien], S375
- oxyhemoglobin, shunt calculation, extrapolated values for (abstr) [Cane & others], S197
- shunt calculation, extrapolated values for (abstr) [Cane & others], S197
- leukocytes, polymorphonuclear, chemotaxis responses to induction agents and drug adjuncts used during anesthesia (abstr) [Mathieu & others], S56
- loss
- anticoagulation monitoring and reversal effect on (abstr) [Jobes & others], S167
 - blood pressure variability and morbidity prediction (abstr) [Schneider & McLaren], S349
 - hypokalemia after trauma and component transfusion therapy (abstr) [Shin & others], S206
 - hypotension assessment by electromechanical monitor, halothane vs. blood loss (abstr) [Pinchak & Eng], S143
 - hypotension, deliberate, to reduce during scoliosis fusion (abstr) [Grundy & others], S78
 - hypotension, induced, renal function and hemodynamics during in dogs (abstr) [Benhia & others], S81
 - microaggregates, platelets, transfusion through micropore filters (abstr) [Snyder & others], S205
- oxyhemoglobin
- dissociation, coronary artery bypass, intraoperative changes (abstr) [Graham & others], S93
 - dissociation, curve, optimal position (abstr) [Tien], S375
 - dissociation, propranolol and (abstr) [Petty & Bageant], S130
 - plasma, binding of propranolol during cardiopulmonary bypass [Wood & others], 512
- platelets
- micropore filters, transfusion through (abstr) [Snyder & others], S205
 - nitroglycerin inhibition (abstr) [Allan & others], S75
 - nitroprusside inhibition (abstr) [Allen & others], S75
 - thrombocytopenia induced by Swan-Ganz catheters (abstr) [Richman & others], S161
- pressure
- BW444U, autonomic vs. neuromuscular profile (abstr) [Savarese & Wastila], S279
 - drug effects, clonidine withdrawal syndrome (clinical report) [Bruce & others], 90
 - drug effects, hypotension assessment by electromechanical monitor, halothane vs. blood loss (abstr) [Pinchak & Eng], S143
 - drug effects, ketamine by infusion (abstr) [Wilson & others], S35
 - drug effects, lidocaine, during endotracheal extubation (clinical report) [Bidwai & others], 171
 - drug effects, naloxone perfusion reversing circulatory and hypnotic effects of halothane [Arndt & Freye], 58
 - drug effects, pseudo-random binary sequence to measure (abstr) [Rampil & others], S26
 - drug effects, sevoflurane in man (abstr) [Holaday & Smith], S27
 - extubation, cardiovascular responses to (abstr) [Edde], S195
 - halothane and central nervous system modulation of circulation (abstr) [Bousquet & others], S53
 - hypertension, during anesthesia on discontinuation of nitroprusside-induced hypotension [Khambatta & others], 127
 - hypertension, brain, blood flow, pressure passive, in non-asphyxiated fetus (abstr) [Pash & others], S293
 - hypertension, following cessation of clonidine therapy (clinical report) [Bruce & others], 90
 - hypertension, nitroglycerin effect in pregnant ewe (abstr) [Craft & others], S308
 - hypertension, nitroglycerin and uterine vasculature in gravid ewes (abstr) [Wheeler & others], S291
 - hypertension, occurrence of, and factors determining caudal anesthetic level (clinical report) [Park & others], 81
- hypertension, of pregnancy, nitroglycerin to control during cesarean section (clinical report) [Snyder & others], 563
- hypertension, prevention of, following coronary-artery operations, stellate-ganglion blockade in (clinical report) [Bidwai & others], 345
- hypertension, renal, beta-receptor antagonist therapy in patients with, hemodynamic effects of anesthesia and surgery (abstr) [Prys-Roberts], S122
- hypotension, actions of nitroprusside and verapamil in, compared (correspondence) [Oates], 363
- hypotension, with anesthesia in disulfiram-treated patients (correspondence) [Diaz & Hill], 366
- hypotension, artificial, without damping, as hazard of disposable diaphragm domes (clinical report) [Sisko & others], 263
- hypotension assessment by electromechanical monitor, halothane vs. blood loss (abstr) [Pinchak & Eng], S143
- hypotension, brain, blood flow, pressure passive, in non-asphyxiated fetus (abstr) [Pash & others], S293
- hypotension, hemorrhagic and drug-induced, brain-surface oxygen tension and cerebral cortical blood flow during [Maekawa & others], 313
- hypotension, nitroglycerin-induced, intracranial pressure in cat during [Rogers & others], 227
- hypotension, nitroprusside-induced, hypertension during discontinuation of [Khambatta & others], 127
- hypotension, with sodium nitroprusside administration in neurosurgery (clinical report) [Marsh & others], 336
- hypotension, spinal, dopamine treatment of in pregnant ewe [Rolbin & others], 36
- intra-aortic balloon pump and renal function (abstr) [Hilberman & others], S166
- measurement, arterial, and pulse-rate responses to pulmonary and radial arterial catheterization prior to cardiac and major vascular operations (clinical report) [Lunn & others], 265
- measurement, in artificial hypotension without damping, in use of disposable diaphragm domes (clinical report) [Sisko & others], 263
- measurement, cardiovascular, zero suppression in (correspondence) [Son], 573
- morbidity prediction and (abstr) [Schneider & McLaren], S349
- nitroglycerin infusion in prolongation of pancuronium-induced neuromuscular blockade [Glisson & others], 47
- pediatric head trauma, intracranial pressure and cardiovascular function (abstr) [O'Keeffe & others], S316
- peripheral vascular resistance, anemia, normovolemic, in coronary disease, hemodynamic changes due to (abstr) [Rao & others], S164
- peripheral vascular resistance, aortic reconstructive surgery, adrenergic blockade and temporary shunt hemodynamic effects (abstr) [Thomson & others], S125
- peripheral vascular resistance, bupivacaine, intravenous injection in pregnant ewe (abstr) [Craft & others], S309
- peripheral vascular resistance, calcium ion acute increase effects on pulmonary vasculature (abstr) [Lappas & others], S172
- peripheral vascular resistance, cardiopulmonary bypass, filling pressures, optimal, following (abstr) [Mangano & others], S165
- peripheral vascular resistance, DEME study (abstr) [Tinker & others], S25
- peripheral vascular resistance, dobutamine effects with and without propranolol (abstr) [Rao & others], S154
- peripheral vascular resistance, extubation cardiovascular effects (abstr) [Wohlner & others], S194
- peripheral vascular resistance, fentanyl-oxygen anesthesia for coronary-artery operations, plasma catecholamine and cortisol responses (abstr) [Stanley & others], S139

- peripheral vascular resistance, ketamine dual effect (abstr) [Liao], S116
peripheral vascular resistance, morphine effect in conscious dogs (abstr) [Briano & Vatner], S140
peripheral vascular resistance, morphine-nitrous oxide and fentanyl-nitrous oxide balanced anesthesia, cardiovascular effects before and after pancuronium (abstr) [Bennett & Stanley], S138
peripheral vascular resistance, neostigmine-atropine after coronary-artery bypass grafting (abstr) [Brooks & others], S168
peripheral vascular resistance, nitroglycerin effects on ventilation-perfusion (abstr) [Colley & others], S372
peripheral vascular resistance, pericardium effect on ventricular function (abstr) [Mangano], S126
peripheral vascular resistance, during prolongation of pancuronium-induced neuromuscular blockade by intravenous infusion of nitroglycerin [Glisson & others], 47
peripheral vascular resistance, stress of anesthesia and surgery effects (abstr) [Philbin & others], S121
replacement
dextran, bupivacaine with, nerve block duration (abstr) [Curtiss & Scurlock], S214
dextran, local anesthetic mixtures with, duration of nerve block (abstr) [Buckley & Fink], S215
hypokalemia after trauma and component transfusion therapy (abstr) [Shin & others], S206
pressure-infusion system for (correspondence) [Hicks], 364
stored, see Transfusion
warming, coils, imperforate (correspondence) [Wu & others], 579
- BLUMEL, G., see MASSION, W. H., jt. auth.
- BODE, P., see COHN, M., jt. auth.
- Body
height, see under Anatomy; Pharmacokinetics, uptake
size, see under Anatomy; Pharmacokinetics, uptake
weight, see under Complications, obesity; Pharmacokinetics, uptake
- BOGARD, T. D., FENNELL, R. G., GUTSCHE, B. B., and MARSHALL, R. E., Differential pulmonary toxicity of antacids (abstr), S311
- BOGOSIAN, A. J., see MATHIEU, A., jt. auth.
- BOHN, D. J., see BUTLER, W. J., jt. auth.
- BOHUON, C., see HARARI, A., jt. auth.
- BOND, V. K., STOELTING, R. K., and GUPTA, C. D., Pulmonary aspiration syndrome after inhalation of gastric fluid containing antacids. (clinical reports) 452
- Booij, L. H. D. J., EDWARDS, R. P., SOHN, Y. J., and MILLER, R. D., Comparative cardiovascular and neuromuscular effects of Org NC 45, d-tubocurarine, pancuronium and metocurine (abstr), S280
- Book reviews
Aldrete, J. A., Lowe, H. J., and Virtue, R. W. (eds.), *Low Flow and Closed System Anesthesia*, 490
Attia, R., and Grogono, A., *Practical Anesthetic Pharmacology*, 191
Bruner, J. M. R., *Handbook of Blood Pressure Monitoring*, 190
Condon, R. E., and Nyhus, L. M. (eds.), *Manual of Surgical Therapeutics*, 281
Coran, A. G., Behrendt, D. M., Weintraub, W. H., and Lee, D. C., *Surgery of the Neonate*, 372
Eckenhoff, J. E., Bart, A. J., Brunner, E. A., Holley, H. S., and Linde, H. W. (eds.), *Yearbook of Anesthesia, 1978*, 280
Fitzgerald, R. S., Gautier, H., and Lahiri, S. (eds.), *The Regulation of Respiration during Sleep and Anesthesia*, 99
Fudenberg, H. H., Stites, D. P., Caldwell, J. L., and Wells, J. V. (eds.), *Basic and Clinical Immunology*, 191
Garby, L., and Meldon, J., *The Respiratory Functions of Blood*, 582
Gill, W., and Long, W. B., III, *Shock Trauma Manual*, 584
Gravenstein, J. S., Newbower, R. S., Ream, A. K., Smith, N. T., and Barden, J., *Monitoring Surgical Patients in the Operating Room*, 372
Klippel, A. T., and Anderson, C. B. (eds.), *Manual of Emergency and Outpatient Techniques*, 583
Koren, J. (ed.), *Brain Death: Interrelated Medical and Social Issues*, 490
Martin, J. T., *Positioning in Anesthesia and Surgery*, 190
McDonald, A. G., and Wann, K. T., *Physiological Aspects of Anesthesia and Inert Gases*, 281
McMillan, D. E., *Central Nervous System Pharmacology: A Self-Instruction Text*, 583
Norman, J., and Moles, M., *Management of the Injured Patient*, 583
Philbin, D. A. (ed.), *Anesthetic Management of the Patient with Cardiovascular Disease*, 582
Scarpelli, E. M., Auld, P. A. M., and Goldman, H. S., *Pulmonary Disease of the Fetus, Newborn and Child*, 99
Soukhanov, A. H., *Webster's Medical Office Handbook*, 585
Stanton-Hicks, M. d'A. (ed.), *Regional Anesthesia: Advances and Selected Topics*, 280
Sternbach, R. A., *The Psychology of Pain*, 190
Vickers, M. D., Wood-Smith, F. G., and Stewart, H. C., *Drugs in Anesthetic Practice*, 280
Watkins, J., and Ward, A. M., *Adverse Response to Intravenous Drugs*, 280
Weil, M. H., and DaLuz, P. L. (eds.), *Critical Care Medicine Manual*, 372
Wood, C. (ed.), *Stress-Free Anesthesia*, 582
Wyant, G. M., *Mechanical Misadventures in Anesthesia*, 281
BORISON, R. L., see HAYDALA, H. S., jt. auth. (2)
BORMAN, B., BABINSKI, M., BUNEGIN, L., and SMITH, R. B., Succinylcholine: intraocular acid intracranial pressure (abstr), S272
BOROWEC, L. W., see BACHHUBER, S. R., jt. auth.
BOSNIK, Z. J., see BACHHUBER, S. R., jt. auth.
BOUSQUET, F. P., III, HUMPHREY, D. E., and HEDLEY-WHYTE, J., Halothane and CNS modulation of circulation (abstr), S53
BOUVIER, A. M., see HARARI, A., jt. auth.
BOWLEY, C. J., see HILL, A. B., jt. auth.
BOYCE, W. H., see BIRCH, A. A., jt. auth.
BOYSEN, P. G., ROBINSON, J. D., DEMARCO, F. J., and KRISCHER, J. P., Pharmacokinetics of theophylline: a two-compartment instructional model (abstr), S337
—, see KUSHINS, L. G., jt. auth.
Brachial
artery, see under Arteries
plexus block, see under Anesthetic techniques, regional
BRACKEBUSCH, M., see HIRSHMAN, C. A., jt. auth.
Bradykinin, see under Polypeptides
Brain
acetylcholine turnover, and motor activity changes induced by lidocaine and cocaine in rats [Ngai & others], 230
blood
—brain barrier, developing brain, permeability and vascularity, cerebellum vs. cerebral cortex (abstr) [Johanson & Wong], S147
—brain barrier, fentanyl concentrations in, during respiratory acid-base changes in dog [Ainslie & others], 293
flow, arterial blood pressure and in non-asphyxiated fetus (abstr) [Pash & others], S293
flow, asphyxia, neonatal, effects on regional (abstr) [Hernandez & Hawkins], S295
flow, and brain-surface oxygen tension during hemorrhagic and drug-induced hypotension [Maekawa & others], 313
flow, cerebral metabolism, and electroencephalogram, modification of relationship between, by stimulation during anesthesia in dog [Kuramoto & others], 211
flow, diazoxide effect on intracranial pressure in cats with intracranial mass lesions (abstr) [Gagnon & Shapiro], S200
flow, enflurane effect on local (abstr) [Ray & others], S10

- flow halothane effect on local (abstr) [Ray & others], S10
 flow, ketamine effects on in asphyxiated fetus (abstr) [Pickering & others], S294
 flow, lorazepam effects on (abstr) [Rockoff & others], S42
 flow, microvascular anastomosis, brain bounce control during (abstr) [Lobo & Brauer], S83
 flow, naloxone effects on (abstr) [Artru & others], S46
 flow, nitroglycerin-induced changes (abstr) [Rogers & Traystman], S199
 flow, nitroprusside-induced changes (abstr) [Rogers & Traystman], S199
 carbon dioxide tension, fentanyl concentrations during changes in, in dog [Ainslie], 293
 cerebral evoked potential, before and after nitrous oxide inhalation with and without naloxone [Chapman & Benedetti], 135
 perfusion pressure, cardiovascular function and in pediatric head trauma (abstr) [O'Keefe & others], S316
 perfusion pressure, diazoxide effect on in cats with intracranial mass lesions (abstr) [Gagnon & Shapiro], S200
 cortex, cerebral, motor activity changes in acetylcholine turnover induced by lidocaine and cocaine in, in rats [Ngai & others], 230
 electroencephalography cerebral metabolism and blood flow, modification of relationship between, by stimulation during anesthesia in dog [Kuramoto & others], 211
 doxapram arousal (abstr) [Roy & Stullken], S47
 filter-processor, as indicator of cerebral ischemia during carotid endarterectomy (clinical report) [Cucchiara & others], 77
 lidocaine-induced seizures, metabolic events during (abstr) [Ingvar & Shapiro], S229
 naloxone arousal (abstr) [Roy & Stullken], S47
 naloxone effects on (abstr) [Artru & others], S46
 physostigmine arousal (abstr) [Roy & Stullken], S47
 endorphins, in pentobarbital anesthesia and toxicity, studies of possible role [Bhargava], 398
 enkephalins, in pentobarbital anesthesia and toxicity, studies of possible role [Bhargava], 398
 evoked potentials, brainstem auditory, intracranial pressure effects on (abstr) [Raudzens & others], S40
 potentials, diazepam alters cortical (abstr) [Grundy & others], S38
 gamma-aminobutyric acid, anticonvulsant effect of halothane and enflurane (abstr) [Triner & others], S8
 -aminobutyric acid, midazolam (RO-21-3981) and metabolism in rat brain synaptosomes (abstr) [Cheng & Brunner], S43
 hexokinase activity, halothane and (abstr) [Richter & White], S257
 intracranial pressure, cardiovascular function and in pediatric head trauma (abstr) [O'Keefe & others], S316
 pressure, caused by nitroglycerin (clinical report) [Gagnon & others], 86
 pressure, cerebrospinal fluid dynamics in rat during halothane and enflurane (abstr) [Mann & others], S54
 pressure, changes in, with sodium nitroprusside administration in neurosurgery (clinical report) [Marsh & others], 336
 pressure, diazoxide effect on in cats with intracranial mass lesions (abstr) [Gagnon & Shapiro], S200
 pressure, evoked potentials affected by (abstr) [Raudzens & others], S40
 pressure, lidocaine, intravenous, to prevent intracranial hypertension (abstr) [Donegan & others], S201
 pressure, lorazepam effect on in cats with intracranial hypertension (abstr) [Gagnon & others], S39
 pressure, microvascular anastomosis, brain bounce control during (abstr) [Lobo & Brauer], S83
 pressure, modification of, during neurosurgery, technique of nitroprusside administration in [Marsh & others], 538
 ischemia during carotid endarterectomy, electroencephalographic filter-processor as indicator of (clinical report) [Cucchiara & others], 77
 lipid peroxidation in brain after sedative administration (abstr) [Smith & others], S44
 succinylcholine-induced hyperkalemia in patient with (clinical report) [Stevenson & Birch], 89
 metabolism blood flow and electroencephalogram, modification of relationship between, by stimulation during anesthesia in dog [Kuramoto & others], 211
 diazepam fails to protect brain tissue in hypoxic stress (abstr) [Berntman & others], S202
 enflurane effect on local (abstr) [Ray & others], S10
 halothane effect on local (abstr) [Ray & others], S10
 halothane effect on regional brain function (abstr) [Hawkins & others], S9
 halothane and hexokinase activity (abstr) [Richter & White], S257
 during hemorrhagic and drug-induced hypotension in cat [Mackawa & others], 313
 lidocaine-induced seizure effects on (abstr) [Ingvar & Shapiro], S229
 lorazepam effects on (abstr) [Rockoff & others], S42
 midazolam (RO-21-3981) and gamma-aminobutyric acid in rat brain synaptosomes (abstr) [Cheng & Brunner], S43
 naloxone effects on (abstr) [Artru & others], S46
 pentobarbital effects on cAMP (abstr) [DeBoer & Rall], S21
 opiate receptors, perfusion with naloxone in reversal of circulatory and hypnotic effects of halothane [Arndt & Freye], 58
 oxygen consumption, diazepam fails to protect brain tissue in hypoxic stress (abstr) [Berntman & others], S202
 consumption, halothane effect on regional brain function (abstr) [Hawkins & others], S9
 consumption, lorazepam effects on (abstr) [Rockoff & others], S42
 consumption, naloxone effects on (abstr) [Artru & others], S46
 oxygenation, and cerebral cortical blood flow during hemorrhagic and drug-induced hypotension [Mackawa & others], 313
 pH , fentanyl concentrations during changes in, in dog [Ainslie], 293
 pituitary, chemical hypophysectomy, long-term follow-up study of (clinical report) [Katz & Levin], 167
 reticular formation, medial medullary, effects of ketamine on nociceptive cells in [Ohtani], 414
 seizure threshold, bupivacaine, scalp infiltration, blood levels with (abstr) [Colley & others], S238
 threshold, lidocaine, metabolic events associated with (abstr) [Ingvar & Shapiro], S229
 subdural hematoma, following lumbar puncture (clinical report) [Pavlin & others], 338
 BRANDSTATER, B., see RUMBLE, L., jt. auth.
 BRAUER, D., see LOBO, D., jt. auth.
 BRINKLÖV, M. M., ANDERSEN, P. K., STOKKE, D. B., and HOLE, P., Inaccuracy of oxygen electrode systems (correspondence), 369
 —, see ÖESEBURG, B., jt. auth.
 BRISTOW, G., see LUDWIG, S., jt. auth.
 BRITT, M. R., see PACE, N. L., jt. auth.
 BROCK-UTNE, J. G., see BRODSKY, J. B., jt. auth.
 BRODSKY, J. B., BROCK-UTNE, J. G., and SAMUELS, S. I., Pan-

- curonium pretreatment and post-succinylcholine myalgias (clinical reports), 259
- BROMAGE, P. R., Currentness of textbook references alone not a valid measure of quality (correspondence), 181
- , see FAGRAEUS, L., jt. auth.
- Bromide, see under Ions; Structure, molecular
- Bronchoscopy, see under Anesthetic techniques; Surgery
- Bronchus, see under Lung
- BROOKS, J. L., JR., JARMAN, R. H., and KAPLAN, J. A., Neostigmine-atropine after coronary surgery (abstr), S168
- , see JARMAN, R. H., jt. auth.
- BROWN, B. R., Jr., see McLAIN, G. E., jt. auth.
- BROWN, B. R., SIPES, I. G., JEE, R., and GANDOLFI, A. J., Characterization of hypoxic model for halothane hepatotoxicity (abstr), S239
- , see BLITT, C. D., jt. auth.
- BROWN, B. W., see COHEN, E. N., jt. auth.
- BROWN, C., see GRAHAM, B. H., jt. auth.
- BROWN, R. H., see GRUNDY, B. L., jt. auth. (2)
- BROWN, W. U., Jr., see DATTA, S., jt. auth.
- BRUCE, D. A., see O'KEEFFE, C. M., jt. auth.
- BRUCE, D. L., CROLEY, T. F., and LEE, J. S., Preoperative clonidine withdrawal syndrome (clinical reports), 90
- , see KATZ, J., jt. auth.
- , see UHL, R. R., jt. auth.
- BRUNER, J. M. R., *Handbook of Blood Pressure Monitoring* (book review), 190
- BRUNNER, E. A., see BEHNIA, R., jt. auth.
- BRYAN, A. C., see BUTLER, W. J., jt. auth.
- BRYAN-BROWN, C. W., LUMB, P. D., KATHIRITHAMBY, K. S., SHAPIRO, B., and AZER, S., Axillary arterial catheterization (abstr), S157
- BRYSON, T. K., see GAGNON, R. L., jt. auth.
- , see CHENG, S. C., jt. auth.
- , see WILKINSON, C. J., jt. auth.
- BUCKLEY, F. P., and FINK, B. R., The duration of action of nerve blocks produced by local anesthetic: dextran mixtures (abstr), S215
- BUCKLEY, J. J., see ESTRIN, J. A., jt. auth.
- , see LIAO, J. C., jt. auth.
- BULL, J. M., see KIM, Y. D., jt. auth.
- BUNCH, W. H., see JACOBS, H. K., jt. auth.
- BUNEGIN, L., see BORMAN, B., jt. auth.
- BUNKER, J. P., Predicting outcome (editorial views), 1
- Bupivacaine, see under Anesthetics, local
- BURBANK, D. P., see FRANCE, N. K., jt. auth.
- BURGESS, G. E., III, COOPER, J. R., MARINO, R. J., PEULER, M. J., and WARRINER, R. A., III, Laryngeal competence after tracheal extubation (clinical reports), 73
- BURGOS, L., see WHITESELL, R., jt. auth.
- BURM, A. G. L., and SPIERDIJK, J., Personal sampling of halothane in the operating room air (abstr), S355
- Burns, see under Complications; Electrical systems
- BURTON, L. W., see KARIS, J. H., jt. auth.
- BUTCHART, E. G., see deBROS, F., jt. auth.
- BUTLER, A., see DELANEY, T. J., jt. auth.
- BUTLER, W. J., BOHN, D. J., MIYASAKA, K., BRYAN, A. C., and FROESE, A. B., Ventilation of humans by high frequency oscillation, S368
- BW444U, see under Neuromuscular relaxants
- BW785U, see under Neuromuscular relaxants
- BYERS, M. R., O'NEILL, P. C., and FINK, B. R., Lidocaine (without epinephrine) does not affect the fine structure or microtubules of the trigeminal nerve *in vivo*, 55
- BYRNE, J., see HAMILTON, R. C., jt. auth.
- CALABRO, J. R., see STONE, J. G., jt. auth.
- Calcium, see under Ions
- CALDWELL, N., see FRAGEN, R. J., jt. auth. (2)
- CALKINS, D., see BARSA, J., jt. auth.
- CAKINS, D. F., see FINK, B. R., jt. auth. (2)
- CAMERON, J. C., see TOUNG, T., jt. auth.
- cAMP, see Metabolism, adenosinemonophosphate, cyclic
- CAMPORESI, E. M., and WAKAKURI, H., Respiratory resistance during aortic clamping (abstr), S365
- Cancer
- alleviation of pain in, chemical hypophysectomy in (clinical report) [Katz & Levin], 167
- among anesthesiologists [Lew], 195
- death rate, among anesthesiologists (editorial views) [Cohen], 193
- halothane immunosuppression in tumor-bearing mice (abstr) [Lewis & others], S252
- following long-term exposure to halogenated anesthetics, studies in [Edmunds & others], 424
- potential of halothane tested in mice [Baden & others], 20
- studies of carcinogenic potential of isoflurane (correspondence) [Van Poznak], 487
- CANE, R. D., SHAPIRO, B. A., and HARRISON, R. A., Extrapolated values of Hb and HbCO for shunt calculation (abstr), S197
- Cannulation, see under Anatomy, specific vessels; Arteries; Veins
- Capillaries, see under Microcirculation
- Carbachol, see under Acetylcholine
- Carbohydrate, see under Metabolism
- Carbon dioxide
- see also under Acid-base equilibrium; Monitoring; Ventilation absorption, soda lime, of halothane in pediatric circuit (abstr) [Grodin & Epstein], S217
- elimination, end-tidal sampling in infants (abstr) [Reznik & others], S387
- hypercarbia
- iatrogenic, exacerbation of by PEEP (clinical report) [Fogdall], 173
- naloxone and naltrexone comparison in man (abstr) [Smith], S373
- measurement, end-tidal sampling in infants (abstr) [Reznik & others], S387
- production
- microprocessor ventilation control by (abstr) [Jordan & Westenskow], S380
- nutritional depletion, profound, respiratory patterns in (abstr) [Rosenbaum & others], S366
- tension
- alveolar, end-tidal sampling in infants (abstr) [Reznik & others], S387
- arterial, hypercarbia on fentanyl-oxygen induction (abstr) [Comstock & others], S28
- arterial, lorazepam effect on intracranial pressure and CO₂ retention in cats with intracranial hypertension (abstr) [Gagnon & others], S39
- minute volume effect on with Bain circuit (abstr) [Goodloe & others], S379
- naloxone and naltrexone comparison in man (abstr) [Smith], S373
- ventilatory
- response, halothane-induced in cats [Mazzarelli & others], 522
- response, midazolam and diazepam effects compared (abstr) [Forster & others], S383
- Carboxyhemoglobin, see under Blood, hemoglobin
- CARDELL, R. R., see Ross, W. T., Jr., jt. auth.
- Cardiac, see under Heart
- Cardiac arrest, see Complications, arrest, cardiac
- Cardiac massage, see under Heart
- Cardiac output, see under Heart
- Cardiac surgery, see under Surgery
- Cardiogenic shock, see under Shock
- Cardiopulmonary bypass, see under Surgery, cardiovascular
- Cardiovascular anesthesia, see under Anesthesia
- Cardiovascular surgery, see under Surgery
- CARLON, G. C., see KAHN, R. C., jt. auth.
- CARLSON, G. C., RAY, C., JR., KAHN, R. C., and HOWLAND, W. S., High frequency positive pressure ventilation for prolonged respiratory support (abstr), S189

- Carotid artery, see under Arteries
 Carotid endarterectomy, see under Surgery
 Carotid sinus, see under Receptors, baroreceptors; Receptors, pressoreceptors
 CARPENTIER, Y. A., see ASKANAZI, J., jt. auth.
 CARROLL, R. M., see SCHAUBLE, J. F., jt. auth.
 CARRON, H., see DELANEY, T. J., jt. auth.
 CARTER, J. G., see COMSTOCK, M. K., jt. auth. (2)
 —, see SOKOLL, M. D., jt. auth.
 CASCORBI, H. F., see RHOTON, F., jt. auth.
 CASSON, H., see HIRSHMAN, C. A., jt. auth.
 Catecholamines, see under Sympathetic nervous system
 Catheters, see under Equipment
 Caudal anesthesia, see under Anesthetic techniques, peridural
 Celiac ganglion, see under Anatomy
 Cell membrane, see under Membrane
 Cells
 chemotaxis responses of polymorphonuclear leukocytes to induction agents and drug adjuncts used during anesthesia (abstr) [Mathieu & others], S56
 cleavage, halothane arrest of, mechanism (abstr) [Hinkley], S55
 multiplication, halothane arrest of cleavage, mechanism (abstr) [Hinkley], S55
 replication, and effects of halothane on synthesis of nucleic acid in *Tetrahymena pyriformis* [Conklin & Lau], 508
 thymidine, halothane in inhibition of, in DNA and RNA in intact cells [Conklin & Lau], 508
 uridine, halothane in inhibition of, in DNA and RNA in intact cells [Conklin & Lau], 508
 Cerebral perfusion pressure, see under Brain
 Cerebrospinal fluid
 composition, hypoosmolarity contribution to spinal anesthesia (abstr) [Barsa & others], S221
 pressure
 in cat during nitroglycerin-induced hypotension [Rogers & others], 227
 halothane and enflurane effects on in rat (abstr) [Mann & others], S54
 intracranial, succinylcholine effect (abstr) [Borman & others], S272
 nitroglycerin-induced changes (abstr) [Rogers & Traystman], S199
 nitroprusside-induced changes (abstr) [Rogers & Traystman], S199
 production, halothane and enflurane effects on in rat (abstr) [Mann & others], S54
 CERULLO, L. J. see KOHT, A., jt. auth.
 CHALON, J. see AMIRDIVANI, M., jt. auth.
 CHANDRA, P., see ZSIGMOND, E. K., jt. auth.
 CHAPIN, J. C., see MUNSON, E. S., jt. auth.
 CHAPMAN, C. R., and BENEDETTI, C., Nitrous oxide effects on cerebral evoked potential to pain: partial reversal with a narcotic antagonist, 135
 CHATTERJEE, K. M., see GRAHAM, B., jt. auth.
 CHAUDHRY, I. see FOLDES, F. F., jt. auth.
 CHAUDHRY, R. see ABADIR, A. R., jt. auth.
 Chemiluminescence, see under Measurement techniques
 CHENEY, D. L., see NGAI, S. H., jt. auth.
 CHENEY, F. W., HUANG, T. W., and GRONKE, R., The effects of 50% oxygen on resolution of experimental lung injury (abstr), S169
 —, see COLLEY, P. S., jt. auth.
 —, see PAVLIN, D. J., jt. auth. (2)
 —, see TYLER, D. C., jt. auth.
 CHEN, L. H., and BERMAN, M. L., Fentanyl vs. enflurane in outpatient anesthesia (abstr), S51
 CHEN, R. Y. A., LEE, M. M. L., and CHIEN, S., Local anesthetics and the rheologic behavior of erythrocyte suspensions (laboratory report), 245
 CHEN, R. Y. Z., MATTEO, R. S., and CHIEN, S., Baroreflex sensitivity and induced-hypotension (abstr), S76
 —, see FAN, F. C., jt. auth.
 CHEN, T. G., see ARBOUD, T., jt. auth.
 CHENG, S. C., and BRUNNER, E. A., RO-21-3981, a benzodiazepine, and gaba metabolism in rat brain synaptosomes (abstr), S43
 CHESTER, M. H., A new endotracheal-tube retractor (correspondence), 274
 CHIEN, S., see CHEN, R. Y. Z., jt. auth. (2)
 —, see FAN, F. C., jt. auth.
 CHILD, B., see PAVLIN, D. J., jt. auth.
 Children, see under Anesthesia, pediatric
 CHING, K. S., and HULSE, D., Myocardial temperature monitoring during aortic cross-clamping (abstr), S95
 1-Chloro-2-methoxy-1,2,3,3-tetrafluorocyclopropane, see Anesthetics, volatile, aliflurane
 Chloroform, see under Anesthetics, volatile
 Chloroprocaine, see under Anesthetics, local
 CHRISTENSEN, K. N., and HURTEL, M., Naloxone does not antagonize diazepam-induced sedation (correspondence), 187
 Chromatography, see under Measurement techniques
 CHURG, A., Aspiration of gastric contents (editorial views), 2
 Cimetidine, see under Histamine, antagonist
 Circuit, see under Equipment
 Circuits, anesthetic, see under Equipment
 Circulation, see under Arteries; Blood pressure; Heart; Reflexes; Veins; individual organs
 CLARK, R. B., BEARD, A. G., and THOMPSON, D. S., Renal function in newborns and mothers exposed to methoxyflurane analgesia for labor and delivery (clinical reports), 464
 CLARK, W. C., see YANG, J. C., jt. auth.
 Clonidine, see under Sympathetic nervous system, sympatholytic agents
 CMV, see Ventilation, mechanical
 CO, E. G., see CRAFT, J. B., jt. auth. (2)
 Coagulation, see under Blood
 COCHIN, J., see ROSOW, C., jt. auth.
 COGGINS, C. W., see PHILBIN, D. M., jt. auth.
 COHEN, A., see ROAF, E. R., jt. auth.
 —, Mortality among anesthesiologists (editorial views), 193
 COHEN, E. N., BROWN, B. W., and WU, M., Anesthetic health hazards in the dental operatory (abstr), S254
 —, see EDMUND, H. N., jt. auth.
 —, see TRUDELL, J. R., jt. auth.
 COHEN, J. A., BETHEA, H. L., and RUSH, W. J., Heparin activity during pediatric open-heart surgery (abstr), S321
 COHEN, N. H., see FORBES, A. R., jt. auth.
 COHEN, P. J., see DETMER, M. D., jt. auth.
 —, see KNIGHT, P. R., jt. auth.
 —, see LANE, G. A., jt. auth.
 —, see SAMRA, S. K., jt. auth.
 COHEN, S. E., Aspiration syndromes in pregnancy (editorial views), 375
 —, and THURLOW, A., Comparison of a chloroprocaine-bupivacaine mixture with chloroprocaine and bupivacaine used individually for obstetric epidural analgesia, 288
 —, see DUVLADSTIN, P., jt. auth.
 COHN, M. L., and COHN, M., Pentobarbital alteration of cyclic AMP metabolism (abstr), S45
 —, see COHN, M., jt. auth.
 COHN, M., COHN, M. L., TAUBE, D., and BODE, P., Amobarbital hypothermia: a prostaglandin mechanism (abstr), S249
 —, see COHN, M. L., jt. auth.
 COLE, A. F., see HEW, E. M., jt. auth.
 COLE, A. F. D., ROLBIN, S. H., HEW, E. M., and PYNN, S., An improved ventilator system for delivery-room management of the newborn (clinical reports), 356
 COLEMAN, M., see PAGE, N. L., jt. auth.
 COLLEY, P. S., CHENEY, F. W., and HLASTALA, M. P., Ventilation-perfusion effects of nitroglycerin (abstr), S372
 —, HEAVNER, J. E., and BLOEDOW, D. C., Bupivacaine blood levels following scalp injection, S238
 COLLINS, J. G., see NAMIKI, A., jt. auth.
 COLTON, E. T., III, Consorts in the delivery room (correspondence), 365

- COLTON, T., see COOMBS, D. W., jt. auth.
- COMATY, J. E., see HAVDALA, H. S., jt. auth.
- COMOY, E., see HARARI, A., jt. auth.
- Compliance, see under Heart; Lung; Veins
- Complications
- accidents, anesthesia, preventable, multi-hospital study (abstr) [Cooper & others], S348
 - anaphylaxis, in response to *d*-tubocurarine (clinical report) [Farmer & Sivarajan], 358
 - arrest
 - cardiac, anesthesiologists are CPR experts in (correspondence) [Allen], 477
 - cardiac, anesthesiologists are CPR experts in (correspondence) [Garman], 477
 - cardiac, anesthesiologists are CPR experts in (correspondence) [Schwartz & Ellison], 478
 - cardiac, anesthesiologists' knowledge of advanced cardiopulmonary resuscitation (abstr) [Schwartz & others], S340
 - cardiac barbiturate, high-dose, effects on circulatory hemodynamics in dogs with acute coronary occlusion (abstr) [Gagnon & others], S89
 - cardiac, cardiac life support modular teaching, advanced (abstr) [McSwain & others], S356
 - cardiac, cardiopulmonary resuscitation training center (abstr) [Rumble & Brandstater], S341
 - cardiac, defibrillation, energy needs for, time and therapy affect (abstr) [Yakaitis & Ewy], S153
 - cardiac, elective, intramyocardial pH monitoring in (abstr) [Robertson & others], S94
 - cardiac, epinephrine mechanism of action during resuscitation (abstr) [Otto & others], S152
 - cardiac, following regional anesthesia with etidocaine or bupivacaine (editorial views) [Albright], 285
 - cardiac, during renal transplantation in insulin-dependent diabetic patient (clinical report) [Hirshman & Edelstein], 161
 - cardiac, thiopental, zero-order pharmacokinetics of high-dose (abstr) [Mihm & others], S204
 - arrhythmia
 - avoidance of, in anesthetic management of Wolff-Parkinson-White syndrome (clinical report) [Sadowski & Moyers], 553
 - halothane use in infancy (abstr) [Diaz & Lockhart], S313
 - arrhythmias, in transient left-bundle branch block in anesthesia (clinical report) [Pratila & others], 461
 - arsenic poisoning, as anesthetic problem (clinical report) [Rees & others], 84
 - asphyxia
 - brain blood flow, pressure passive, in non-asphyxiated fetus (abstr) [Pash & others], S293
 - epinephrine mechanism of action during resuscitation (abstr) [Otto & others], S152
 - ketamine effects on brain blood flow in asphyxiated fetus (abstr) [Pickering & others], S294
 - neonatal, regional cerebral blood flow during (abstr) [Hernández & Hawkins], S295
 - aspiration
 - acid-, prophylaxis by preoperative use of cimetidine (clinical report) [Coombs & others], 352
 - antacid, administered prior to anesthesia for delivery [Gibbs & others], 380
 - antacid, in pregnancy (editorial views) [Cohen], 375
 - antacid pulmonary (abstr) [Gibbs & others], S290
 - antacids, differential pulmonary toxicity (abstr) [Bogard & others], S311
 - foodstuff, steroid physiologic effects in (abstr) [Wynne & others], S179
 - gastric contents (editorial views) [Churg], 2
 - after inhalation of gastric fluid containing antacids (clinical report) [Bond & others], 452
 - pneumonitis, cimetidine for prophylaxis, dosage schedules (abstr) [Weber & Hirshman], S180
 - pneumonitis induced in rabbits by steroid therapy for [Wynne & others], 11
 - single-dose oral antacid therapy as prophylaxis of (clinical report) [Detmer & others], 270
 - after tracheal extubation (clinical report) [Burgess & others], 73
 - barotrauma, pulmonary, ventilatory mode and (abstr) [Mathru & others], S190
 - bronchial rupture, in endobronchial intubation (clinical report) [Heiser & others], 88
 - burns
 - respiratory-tract injury in acute, evaluation (abstr) [Walker & others], S181
 - sepsis, pulmonary edema mechanism in (abstr) [Adair & Traber], S175
 - death
 - anesthesiologists, causes of, 1930-1946 (abstr) [Linde & others], S338
 - anesthetic, preventable, multi-hospital study (abstr) [Cooper & others], S348
 - blood pressure variability and morbidity (abstr) [Schneider & McLaren], S349
 - operative, 25-year review (abstr) [Kahn & others], S350
 - diabetes, insulin-dependent, intraoperative hyperkalemia and cardiac arrests during renal transplantation in (clinical report) [Hirshman & Edelstein], 161
 - edema, re-expansion, mechanism in rabbits (abstr) [Pavlin & others], S377
 - embolism, trophoblastic, in uterine evacuation of hydatidiform mole, PEEP therapy for (clinical report) [Natelson & others], 469
 - fusion of jaws, congenital, airway management in (clinical report) [Alfrey & others], 340
 - headache
 - post-spinal, evaluation of following obstetric anesthesia (clinical report) [Alfrey & others], 92
 - "wet tap," epidural, prophylaxis (abstr) [Smith], S304
 - hemoptysis, from pulmonary-artery catheter (correspondence) [Ohn & others], 485
 - hepatic, in interaction of PCB and halothane (correspondence) [Zauder], 95
 - hyperkalemia, succinylcholine-induced, in patient with closed head injury (clinical report) [Stevenson & Birch], 89
 - hypertension
 - following cessation of clonidine therapy (clinical report) [Bruce & others], 90
 - intracranial, caused by nitroglycerin (clinical report) [Gagnon & others], 86
 - occurrence of, and factors determining caudal anesthetic level (clinical report) [Park & others], 81
 - hyperthyroidism, halothane-induced hepatic necrosis in rats with (abstr) [Wood & others], S244
 - hypotension, halothane use in infancy (abstr) [Diaz & Lockhart], S313
 - intracranial hemorrhage, following intravenous administration of sodium bicarbonate or saline solution in newborn lamb [Wheeler & others], 517
 - intubation, endotracheal, tracheobronchopathica osteochondroplastica diagnosed as result of difficult intubation (clinical report) [Wagner & Barson], 269
 - laryngospasm, post-extubation after tonsillectomy, prevention (abstr) [Bidwai & others], S50
 - malignant hyperthermia, recrudescence after survival of initial episode of (clinical report) [Mathieu & others], 454
 - myalgias, post-succinylcholine, pancuronium pretreatment and (clinical report) [Brodsky & others], 259
 - myasthenia gravis, postoperative ventilatory need, prediction (abstr) [Leventhal & others], S151
 - myocardial infarction, local anesthesia followed by reinfarction (abstr) [Backer & others], S61

- nerve
 damage, bilateral footdrop, after craniotomy in sitting position (clinical report) [Keykhah & Rosenberg], 163
 damage, following spinal anesthesia, epidural blood patch in (correspondence) [Lee & Roberts], 96
 damage, following spinal anesthesia, epidural blood patch in (correspondence) [Stevens], 96
 damage, following spinal anesthesia, treatment of (correspondence) [Lee], 96
 obesity
 glucose control in surgical patients (abstr) [McLeskey & others], S250
 oxygenation improvement with massive weight loss (abstr) [Vaughan & others], S191
 thoracic epidural analgesia in morbid (abstr) [Gelman & others], S234
 pancreatitis, lung mechanics in experimental (abstr) [Toung & others], S376
 paralysis
 brachial-plexus, unexplained (correspondence) [Adelman & Pratilas], 479
 α -tubocurarine-induced weakness, respiratory muscle strength and vital capacity relationship during (abstr) [Gal & Goldberg], S271
 pneumothorax, secondary to ball-valve obstruction during jet ventilation (clinical report) [Oliverio & others], 255
 porphyria, acute intermittent, ketamine safe in (correspondence) [Rizk], 184
 postoperative
 intraoperative cardiovascular status and (editorial views) [Bunker], 1
 morbidity prediction using pre- and intraoperative data [Schneider & others], 4
 pre-excitation syndrome, anesthetic management of (clinical report) [Sadowski & Moyers], 553
 sore throat
 minimizing of (correspondence) [Lindholm], 487
 minimizing of (correspondence) [Stanley & Loeser], 488
 subcutaneous emphysema, iatrogenic, during dental anesthesia (clinical report) [Rosenberg & others], 80
 subdural hematoma, following lumbar puncture (clinical report) [Pavlin & others], 338
 thrombosis
 catheters, brachial vs. radial arterial (abstr) [Comstock & others], S158
 radial-artery, post-cannulation, aspirin pretreatment in prevention of (clinical report) [Bedford & Ashford], 176
 trauma
 muscle water and electrolytes in injury and infection (abstr) [Askanazi & others], S196
 postoperative renal failure in victims of [Shin & others], 218
 thiopental, zero-order pharmacokinetics of high-dose (abstr) [Mihm & others], S204
 transfusion and, hypokalemia after (abstr) [Shin & others], S206
 Wolff-Parkinson-White syndrome, anesthetic management of (clinical report) [Sadowski & Moyers], 553
 Compound 26-P, see Anesthetics, volatile aliflurane
 Computerized axial tomography, see under Measurement techniques
 Computers, see under Equipment
 COMSTOCK, M. K., ELLIS, T., CARTER, J. G., WRIGHT, C., and STEVENS, W. C., Safety of brachial vs. radial arterial catheters (abstr), S158
 —, SCAMMAN, F. L., CARTER, J. G., MOYERS, J. R., and STEVENS, W. C., Rigidity and hypercarbia on fentanyl-oxygen induction (abstr), S28
 CONAHAN, T. J., III, and BLANCK, T. J. J., Sarcoplasmic reticulum: enflurane on Ca^{++} dynamics (abstr), S146
 —, RUBECK, R. F., and ANDERSON, D. O., Rating the importance of clinical teaching attributes (abstr), S352
 CONDON, R. E., and NYHUS, L. M. (eds.), *Manual of Surgical Therapeutics* (book review), 281
 Conduction, ventricular, see under Heart
 CONKLIN, K. A., and LAU, S-S., Halothane does not inhibit synthesis of nucleic acid in tetrahymena pyriformis, 508
 —, see STURT, J. A., jt. auth.
 CONSIGNY, P. M., see VERRIER, E. D., jt. auth.
 Continuous positive airway pressure, see under Ventilation
 -pressure ventilation, see under ventilation
 Contractility, see under Heart; Muscle; Uterus
 COOKSON, S. L., see MANN, E. S., jt. auth.
 Cooling, see Hypothermia; Temperature, cooling
 COOMBS, D. W., HOOPER, D., and COLTON, T., Acid-aspiration prophylaxis by use of preoperative oral administration of cimetidine (clinical reports), 352
 COOPER, J. B., LONG, C. D., NEWBOWER, R. S., and PHILIP, J. H., Multi-hospital study of preventable anesthesia mishaps (abstr), S348
 —, NEWBOWER, R. S., TRAUTMAN, E., and MOORE, J., Reliance on cybernetics (correspondence), 98
 COOPER, J. R., see BURGESS, G. E., III, jt. auth.
 COOPER-SMITH, M., see SNYDER, E. L., jt. auth.
 CORAN, A. G., BEHRENDT, D. M., WEINTRAUB, W. H., and LEE, D. C., *Surgery of the Neonate* (book review), 372
 CORK, R. C., KRYC, J. J., and VAUGHAN, R. W., Ultrasonic localization of the lumbar epidural space (abstr), S225
 —, WOODS, W., VAUGHAN, R. W., and HARRIS, T., Oxygen supplementation during endotracheal intubation of infants (correspondence), 186
 —, see VAUGHAN, R. W., jt. auth.
 CORKILL, G., see AINSLIE, S. G., jt. auth.
 Coronary artery, see under Arteries
 see under Heart, blood flow, myocardial; Heart, coronary occlusion
 Coronary-artery bypass grafting, see under Surgery, cardiac disease, see under Heart
 Corticosteroid hormone, see under Hormones
 Cortisol, see under Hormones
 Cost, see under Anesthesia
 COTTRELL, J. E., see OHN, K. C., jt. auth.
 COUSINS, M. J., Reductive metabolism of halothane and hepatotoxicity (correspondence), 486
 COUTSOFTIDES, T., see ROSE, D., jt. auth.
 COVINO, B., see GISSEN, A. J., jt. auth.
 COWLEY, R. A., see SHIN, B., jt. auth.
 CPAP, see Ventilation, continuous positive airway pressure
 CPPV, see Ventilation, continuous positive-pressure
 CRAFT, J. B., JR., CO, E. G., YONEKURA, M. L., and GILMAN, R. M., Nitroglycerine effect in the hypertensive pregnant ewe (abstr), S308
 —, CO, E. G., YONEKURA, M. L., ROIZEN, M. F., MAZEL, P., GILMAN, R. M., and JOHNSON, J. L. (abstr), S309
 CRAIG, J. C., see WARD, M. G., jt. auth.
 CROCKER, D., see MATHIEU, A., jt. auth.
 CROCKER, M. C., Anomalous pulmonary arterial catheterization (correspondence), 574
 CROLEY, T. F., see BRUCE, D. L., jt. auth.
 —, see JONES, A. E. P., jt. auth.
 CRONE, R. K., see GOUDSOUZIAN, N. G., jt. auth.
 —, see MATHIEU, A., jt. auth.
 CRONNELLY, R., STANSKI, D. R., MILLER, R. D., SHEINER, L. B., SOHN, Y. J., Renal function and the pharmacokinetics of neostigmine in anesthetized man, 222
 CROSBY, R. L., see McSWAIN, E. C., jt. auth.
 CRUMRINE, R. S., IZANT, R. J., and YODLOWSKI, E. H., Analysis of infant myoneural function during anesthesia (abstr), S327
 CRUSE, J. M., see LEWIS, R. E., jt. auth.

- Cryoanalgesia, see under Anesthetic techniques
Cryoprobe, see under Equipment
CUCCIARA, R. F., SHARBROUGH, F. W., MESSICK, J. M., and TINKER, J. H., An electroencephalographic filter-processer as an indicator of cerebral ischemia during carotid endarterectomy (clinical reports), 77
CULLEN, D. J., see TEPPLICK, R., jt. auth.
CULLEN, S. C., Reliance on cybernetics (correspondence), 97
CURA, A., see OLIVIERO, R., jt. auth.
Curare, see Neuromuscular relaxants, *d*-tubocurarine
CURTISS, B., and SCURLOCK, J. E., Nerve block duration with bupivacaine-dextran (abstr), S214
—, see SCURLOCK, J. E., jt. auth.
CUSICK, J. F., ABRAM, S. E., and MYKLEBUST, J. B., Neural effects of epidural anesthetics (abstr), S227
Cyanide, see under Toxicity
Cyclic adenosine monophosphate, see under Metabolism, adenosine monophosphate
Cyclopropane, see under Anesthetics, gases
- DACEY, R., see DONEGAN, M., jt. auth.
DAGGETT, W. M., see deBROS, F., jt. auth.
DAGGY, B. P., see ROSS, W. T., Jr., jt. auth.
DALTON, B. C., see THOMSON, I. R., jt. auth.
D'AMBRA, M. N., DEDRICK, D., and SAVARESE, J. J., Kearns-Sayer syndrome and pancuronium-succinyl-choline-induced neuromuscular blockage (clinical reports), 343
Dantrolene, see under Hyperthermia, malignant pyrexia; Neuromuscular relaxants
DATTA, S., BROWN, W. U., Jr., OSTHEIMER, G. W., WEISS, J. B., and ALPER, M. H., Epidural anesthesia for cesarean section in diabetics (abstr), S302
DAUCHOT, P. J., Intraoperative cardiovascular state and cardiac subsets (abstr), S112
—, Systolic time intervals. Dose response to nitroglycerine (abstr), S68
DAVEY, F. R., see ALLEN, F. B., jt. auth.
DAVID-MIAN, Z., see WHEELER, A. S., jt. auth.
DAVIES, W. L., see LOWENSTEIN, E., jt. auth.
DEADY, J. E., see KOBLIN, D. D., jt. auth.
Death, anesthetic, see under Complications; Medicolegal
DEBNATH, K. S., see JOYCE, T. H., jt. auth.
DEBOER, D., see WILKINSON, C. J., jt. auth.
DEBOER, G. E., and RALL, T. W., Effects of pentobarbital on camp in guinea pig brain (abstr), S21
deBROS, F., BUTCHART, E. G., LAVER, M. B., AUSTEN, W. G., and McENANY, M. T., Continuous monitoring of myocardial V_o^2 (abstr), S209
—, DAGGETT, W. M., and LAVER, M. B., Effects of aminophylline on pulmonary vascular resistance (abstr), S128
—, and GISSEN, A. J., Determination of *d*-Tubocurarine by liquid chromatography (abstr), S265
deCAMPO, T., GOLDMAN, E., SWANSON, G. D., and ALDRETE, J. A., Long term PEEP therapy and lung water in oleic acid ARF (abstr), S186
—, see GOLDMAN, E., jt. auth. (2)
DEDRICK, D., see D'AMBRA, M. N., jt. auth.
DEDRICK, D. F., and MIERAS, C. D., Hazard associated with new Foretrend® anesthesia machine (correspondence), 483
DEERY, A., see FOLDES, F. F., jt. auth.
DELANEY, T. J., CARRON, H., ROWLINGSON, J. C., BUTLER, A., and JANE, J. A., Effect of epidural steroids on nerves and meninges (abstr), S226
—, and MILLER, E. D., Jr., Blood flow alteration induced by saralasin or SNP (abstr), S73
DELHAGEN, D., see BERMAN, L. S., jt. auth.
DEMARCO, F. J., see BOYSEN, P. G., jt. auth.
—, see WYNNE, J. W., jt. auth.
DEME, see under Anesthetics, volatile
DENLINGER, J. K., see HILL, A. B., jt. auth.
- DENSON, D. D., and FORD, D. J., How reactive are the reductive metabolites of halothane? (abstr), S243
—, THURMAN, J. A., and HITT, B. A., Enzymatic defluorination of a halothane metabolite (abstr), S240
—, see BADEN, S. A., jt. auth.
—, see MAZZE, R. I., jt. auth.
Dental anesthesia, see Anesthesia, dental
DEPETRILLO, M. A., see STONE, J. G., jt. auth.
DERBY, G., see HILBERMAN, M., jt. auth.
deROSAYRO, M., NAHRWOLD, M. L., HILL, A. B., TAIT, A. R., TAYLOR, M. D., and KIRSH, M. M., Nitroglycerin: plasma levels and effects in pregnant ewes (abstr), S312
DESMONTS, J.-M., see DUVALDSTIN, P., jt. auth.
DESMONTS, J. M., see MARTY, J., jt. auth.
DETMER, M. D., PANDIT, S. K., and COHEN, P. J., Prophylactic single-dose oral antacid therapy in the preoperative period-comparison of cimetidine and maalox® (clinical reports), 270
DEVORE, J. S., see WHEELER, A. S., jt. auth.
DEWAN, D. M., see JAMES, F. M., jt. auth.
—, see WHEELER, A. S., jt. auth.
Dextran, see under Blood, replacement
Dextrophan, see under Analgesics, narcotic
DHADPHALE, P. R., JACKSON, A. P. F., and ALSERI, S., Comparison of anesthesia with diazepam and ketamine vs. morphine in patients undergoing heart-valve replacement, 200
DHAMEE, M. S., and JABLONSKI, J., Monitor of respiratory excursions (correspondence), 474
DHANDHA, S., see WU, A., jt. auth.
Diabetes, see under Complications; Metabolism
DIAMOND, B. I., see HAVDALA, H. S., jt. auth. (2)
DIAZ, J. H., and HILL, G. E., Hypotension with anesthesia in disulfiram-treated patients (correspondence), 366
—, and LOCKHART, C. H., Is halothane really safe in infancy? (abstr), S313
DIAZ, S. F., and MARX, G. F., Placental transfer of nitroglycerin (correspondence), 475
Diazepam, see under Anticonvulsants; Hypnotics, benzodiazepines
Diazoxide, see under Anesthetic techniques, hypotension, induced
Dibucaine, see under Anesthetics, local
Diethyl ether, see under Anesthetics, volatile
Dimethyltubocurarine, see Neuromuscular relaxants, metocurine
DIMICH, I., see PRATILA, M. G., jt. auth.
Distribution of ventilation, see under Ventilation
Disulfiram, see under Sympathetic nervous system, sympatholytic agents
Diuretics, see under Kidney
DNA, see under Metabolism, Mitosis
Dobutamine, see under Heart; Sympathetic nervous system
DOHI, S., KITAHATA, L. M., TOYOOKA, H., OHTANI, M., NAMIKI, A., and TAUB, A., An analgesic action of intravenously administered lidocaine on dorsal-horn neurons responding to noxious thermal stimulation, 123
—, NAITO, H., and TAKAHASHI, T., Body weight vs surface area for calculating dose of spinal anesthetic (correspondence), 569
—, TOYOOKA, H., and KITAHATA, L. M., Effects of morphine sulfate on dorsal-horn neuronal responses to graded noxious thermal stimulation in the decerebrate cat, 408
see OHTANI, M., jt. auth.
DOLAN, P. F., Connections from anesthetic machine to circle system unsatisfactory (correspondence), 277
DOLE, K., see SAMUELSON, P. N., jt. auth.
Domperidone, see under Vomiting, antiemetics
DONATH, U., see SONNTAG, H., jt. auth.
DONEGAN, M., BEDFORD, R. F., and DACEY, R., IV lidocaine for prevention of intracranial hypertension (abstr), S201
DONG, D. E., see KOBLIN, D. D., jt. auth.
DONLON, J. V., and MOSS, J., Plasma catecholamine levels during local anesthesia for cataract operations (clinical reports), 471
—, see STINSON, T. W., jt. auth.

- Dopamine, see under Heart; Sympathetic nervous system
- Dopamine-beta-hydroxylase, see under Sympathetic nervous system, catecholamines
- DOWNES, H., see HIRSHMAN, C. A., jt. auth. (2)
- DOWNES, J. J., see LOEBER, N. V.
- , see O'KEEFE, C. M., jt. auth.
- DOWNES, J. B., see BERMAN, L. S., jt. auth.
- , see STONE, D. R., jt. auth.
- DOWNES, P., see MASSION, W. H., jt. auth.
- Doxapram, see under Analeptics
- DRAKE, R. E., and GABEL, J. C., The evaluation of dog lung capillary permeability characteristics (abstr), S174
- , see GABEL, J. C., jt. auth.
- DROP, L. J., see LAPPAS, D. G., jt. auth.
- Droperidol, see under Anesthetics, intravenous
- Drugs, see under Analgesics; Anesthetics; Biotransformation (drug); Interactions; Pharmacology
- DUECK, R., RATHBUN, M. L., and McTIGUE, E., Anesthesia produces shunt and low V_A/Q areas by reducing FRC (abstr), S360
- , and WAGNER, P. D., Concentrating effect of N_2O on alveolar PO_2 in low V_A/Q regions (abstr), S370
- DUNCALF, D., see FOLDES, F. F., jt. auth.
- , see MORITA, K., jt. auth.
- DUNDEE, J. W., and WILSON, D. B., Antiemetic action of domperidone (correspondence), 275
- DURANT, N., see LEE, C., jt. auth.
- DURANT, N. N., HOUWERTJES, M. C., and AGOSTON, S., Hepatic elimination of ORG-NC45 and pancuronium (abstr), S267
- , HOUWERTJES, M. C., and AGOSTON, S., Renal elimination of ORG-NC45 and pancuronium (abstr), S266
- , LEE, C., and KATZ, R. L., 4-aminopyridine reversal of ganglion block (abstr), S268
- , see LEE, C., jt. auth.
- DUVALDSTIN, P., MAZZE, R. I., HAZEBROOK, J., NIVOCHE, Y., COHEN, S. E., and DESMONTS, J.-M., Halothane biotransformation in anesthetists, 41
- Dyphylline aerosol, see under Aerosols
- DYRENFURTH, I., see MORISHIMA, H. O., jt. auth.
- EASTWOOD, D. W., see PARK, Y. R., jt. auth.
- Echocardiography, see under Measurement techniques
- ECKENHOFF, J. E., BART, A. J., BRUNNER, E. A., HOLLEY, H. S., and LINDE, H. W. (eds.), *Yearbook of Anesthesia, 1978* (book review), 280
- ED₅₀, see under Potency
- ED₅₀, see under Potency, anesthetic
- ED₅₀, see under Potency, anesthetic
- EDDE, R. R., Cardiovascular responses to extubation (abstr), S195
- EDELIST, G., see ROY, W. L., jt. auth.
- , see VERRIER, E. D., jt. auth.
- EDELSTEIN, G., see HIRSHMAN, C. A., jt. auth.
- Edema, see under Complications; individual organs
- EDMUND, H. N., BADEN, J. M., and SIMMON, V. F., Mutagenicity studies with volatile metabolites of halothane, 424
- , COHEN, E. N., and TRUDELL, J. R., Metabolite binding to liver nuclei during low level exposure to halothane (abstr), S241
- , and SACHDEV, K., A simple implantable system for delivery of halothane (laboratory report), 334
- Edrophonium, see under Antagonists, neuromuscular relaxants
- Education
- evaluation, resident, of staff teaching (abstr) [Lecky & others], S339
 - medical students
 - cardiac life support modular teaching, advanced (abstr) [McSwain & others], S356
 - mechanical ventilation course (abstr) [Kushins & others], S344
 - nurses
 - cardiac life support modular teaching advanced (abstr) [McSwain & others], S356
- intensive care, simulation training (abstr) [Poulton & Powell], S351
- cardiopulmonary resuscitation training center (abstr) [Rumble & Brandstater], S341
- residents
- cannulation, central venous, pediatric patients (abstr) [Jobes & others], S346
 - intensive care, simulation training (abstr) [Poulton & Powell], S351
 - lumbar epidural analgesia performance errors (abstr) [Lane & others], S343
 - lumbar epidural anesthesia skill test (abstr) [Sivarajan & others], S342
 - pretests, as predictors of final examination performance (abstr) [Rhoton & others], S345
 - staff teaching evaluated by (abstr) [Lecky & others], S339
 - teaching attributes, clinical, rating (abstr) [Conahan & others], S352
 - teaching, resident evaluation (abstr) [Lecky & others], S339
- EDWARDS, R. P., see Booij, L. H. D. J., jt. auth.
- EEG, see Monitoring, electroencephalography
- Effective dose, see Potency, anesthetic, ED₅₀; Potency, anesthetic, ED₉₅
- EGER, E. I., II, see FORBES, A. R., jt. auth.
- EGER, E. I., see KOBLIN, D. D., jt. auth.
- EGTA, see under Ions, calcium
- EHRENPREIS, S., see BALAGOT, R. C., jt. auth.
- EISELE, J. H., see WUEST, H. P., jt. auth.
- EISELE, J. H., JR., see AINSLIE, S. G., jt. auth.
- , see ZLYANOFF, P. L., jt. auth.
- EKLÖF, B., see THOMSON, D., jt. auth.
- Electro-acupuncture, see Acupuncture
- Electrocardiography, see under Heart; Monitoring
- Electrodes, see under Complications, burns; Electrical systems; Heart, electrocardiography; Measurement techniques, carbon dioxide; Measurement techniques, oxygen; Measurement techniques, pH
- Electroencephalography, see under Brain; Monitoring
- Electrolytes, see under Acid-base equilibrium; Fluid balance; Ions
- Electromyograph, see under Measurement techniques
- EL-ETR, A. A., see GLISSON, S. N., jt. auth. (2)
- , see RAO, T. L. K., jt. auth. (3)
- ELLIOT, P. L., see SCHAUBLE, J. F., jt. auth.
- ELLIS, D., see SODAL, I. E., jt. auth.
- ELLIS, R. J., see MANGANO, D. T., jt. auth. (2)
- ELLIS, T., see COMSTOCK, M. K., jt. auth.
- ELLISON, N., see JOBES, D. R., jt. auth. (2)
- , see SCHWARTZ, A. J., jt. auth. (3)
- ELWYN, D., see ASKANAZI, J., jt. auth.
- ELWYN, D. H., see ASKANAZI, J., jt. auth.
- Embolism, fat, oxygen, 50 per cent, effects on resolution of experimental lung injury (abstr) [Cheney & others], S169
- Embolism, tissue, trophoblastic, in uterine evacuation of hydatidiform mole, PEEP therapy for (clinical report) [Natanson & others], 469
- EMBRO, W. J., see HIMES, R. S., jt. auth. (2)
- EMERSON, C. W., see PHILBIN, D. M., jt. auth.
- EMERSON, S. W., see LANDRY, L. D., jt. auth.
- EMERY, R. W., see ESTRIN, J. A., jt. auth.
- Endobronchial technique, see under Anesthetic techniques
- Endobronchial tubes, see under Equipment, tubes
- Endorphins, see under Polypeptides
- Endotracheal extubation, see Anesthetic techniques, extubation
- Endotracheal intubation, see Intubation, endotracheal
- Endotracheal technique, see under Anesthetic techniques
- Endotracheal tubes, see under Equipment, tubes
- Enflurane, see under Anesthetics, volatile
- Enkephalin, see under Polypeptides, endorphins
- ENTRESS, A., ESTAFANOUS, F. G., and HOFFMAN, G. C., Prolonged heparin activity during hypothermic cardiopulmonary bypass (abstr), S99
- Enzyme induction, see under Biotransformation (drug); Induction; Metabolism

Enzymes

- cAMP system, effects of halothane and enflurane on in rat caudate nucleus [Woo & others], 27
- cytochrome b₅, in hepatic necrosis caused by halothane and hypoxia [Ross & others], 327
- cytochrome P-450, in hepatic necrosis caused by halothane and hypoxia [Ross & others], 327
- lactate dehydrogenase, LDH₅ isoenzyme fraction of, changes in after cholecystectomy or hysterectomy in patients receiving halothane, enflurane, or fentanyl (clinical report) [Viegas & Stoelting], 556
- pseudocholinesterase, dibucaine numbers, rapid semiautomated method for determination (abstr) [Arnold], S264
- SGOT values following reductive biotransformation of halothane (correspondence) [Nawaf & Stoelting], 185
- Ephedrine, see under Sympathetic nervous system, sympathomimetic agents
- Epidural, see Anesthetic techniques, peridural
- Epinephrine, see under Heart, arrhythmias; Sympathetic nervous system; Sympathetic nervous system, catecholamines
- EPSTEIN, B., see PACE, N. L., jt. auth.
- EPSTEIN, M., see ROAF, E. R., jt. auth.
- EPSTEIN, M. A. F., see EPSTEIN, R. A., jt. auth.
—, see REZNIK, A. M., jt. auth.
- EPSTEIN, M. H., see ROGERS, M. C., jt. auth.
- EPSTEIN, R. A., and EPSTEIN, M. A. F., Flow to lung compartments with differing time constants (abstr), S386
- , see GRODIN, W. K., jt. auth.
- , see REZNIK, A. M., jt. auth.
- EPSTEIN, R. M., see MILLER, E. D., jt. auth.
- Equipment
 - adaptors, buckled, during fiberoptic bronchoscopy (correspondence) [Zebrowski], 276
 - anesthesia machine
 - new, and anesthesia management by anesthesiologist (correspondence) [Cullen], 97
 - connectors to circle system, hazardous (correspondence) [Dolan], 277
 - new Foretrend®, hazard associated with (correspondence) [Dedrick & Mieras], 483
- anesthetic capsule, implantable, for delivery of halothane (laboratory report) [Edmunds & Sachdev], 334
- blood pump, automatic (correspondence) [Moon], 476
- blood warmer, imperforate coils in (correspondence) [Wu & others], 579
- catheters
 - arterial, axillary catheterization (abstr) [Bryan-Brown & others], S157
 - arterial, post-cannulation radial-artery thrombosis, aspirin pre-treatment in prevention of (clinical report) [Bedford & Ashford], 176
 - arterial, pulmonary artery, prior to cardiac and major vascular operations, arterial blood-pressure and pulse-rate responses to (clinical report) [Lunn & others], 265
 - arterial, pulmonary, jugular vein, external, evaluation for Swan-Ganz catheter insertion (abstr) [Abadir & others], S159
 - arterial, radial artery, prior to cardiac and major vascular operations, arterial blood-pressure and pulse-rate responses to (clinical report) [Lunn & others], 265
 - arterial, safety of brachial vs. radial (abstr) [Comstock & others], S158
 - arterial, styledt, history of (correspondence) [Pender], 182
- fiberoptic, myocardial oxygen consumption, continuous monitoring (abstr) [deBros & others], S209
- plastic, nitroglycerin absorption (abstr) [Ingram & Miller], S132
- pulmonary artery, anatomic locations of tips of, in supine patients (clinical report) [Kronberg & others], 467
- pulmonary artery, in anomalous pulmonary arterial catheterization (correspondence) [Crocker], 574

- pulmonary-artery, blood withdrawal rate effect on venous oxygen saturation (abstr) [Mihm & others], S198
- pulmonary-artery, carotid-artery puncture with internal jugular cannulation (abstr) [Schwartz & others], S160
- pulmonary artery, for central venous pressure monitoring before cardiopulmonary bypass, optimal placement of (correspondence) [Husum], 577
- pulmonary-artery, hemoptysis from (correspondence) [Ohn & others], 485
- pulmonary-artery, monitoring during cardiac surgery compared with central venous pressure monitoring (abstr) [Mangano], S162
- pulmonary artery, right bundle-branch block and complete heart block caused by (clinical report) [Thomson & others], 359
- pulmonary-artery, Swan-Ganz, external jugular vein evaluation for insertion (abstr) [Abadir & others], S159
- pulmonary-artery, Swan-Ganz in left main coronary disease (abstr) [Slocum & Linnan], S60
- pulmonary-artery, Swan-Ganz, PEEP-induced pulmonary arterial wedge pressure-left atrial pressure gradient, function of absolute left atrial pressure (abstr) [Johansen & Benumof], S183
- pulmonary-artery, Swan-Ganz, thrombocytopenia induced by (abstr) [Richman & others], S161
- pulmonary-artery, wedge pressure to predict ischemia during CABG (abstr) [Lieberman & others], S59
- Swan-Ganz, in measurement of PEEP-induced discrepancy between pulmonary arterial wedge pressure and left atrial pressure [Berryhill & Benumof], 303
- Swan-Ganz, occlusion of pulmonary artery by, alteration of pulmonary blood flow in (clinical report) [Berry & others], 164
- for transtracheal anesthesia (correspondence) [Stiffel & Hameroff], 274
- venous, for central venous pressure monitoring before cardiopulmonary bypass, optimal placement of (correspondence) [Husum], 577
- venous, styledt, history of (correspondence) [Pender], 182
- venous, teaching cannulation of pediatric patients (abstr) [Jobes & others], S346
- circuits
 - Bain, minute volume effect on P_{CO_2} with (abstr) [Goodloe & others], S379
 - closed, for completely closed carbon dioxide absorption systems (clinical report) [Neff & others], 169
- filters, bacterial, pulmonary infections not reduced by (abstr) [Pace & others], S362
- nonbreathing, in delivery-room management of newborn (clinical report) [Cole & others], 356
- semiclosed, enflurane concentration alteration by (abstr) [Goldman & others], S23
- circulator, magnetic-drive, for completely closed carbon dioxide absorption systems (clinical report) [Neff & others], 169
- computers
 - bibliography management (abstr) [Bjoraker & others], S332
 - mass spectrometer system for anesthetic uptake determination (abstr) [Sodal & others], S374
 - microprocessors, ventilation control using carbon dioxide production (abstr) [Jordan & Westenskow], S380
 - monitoring, intraoperative, application of computer technology (abstr) [Mitchell & others], S334
 - physiologic profile generation, microcomputer (abstr) [Schulz & others], S148
- simulation training for intensive care physicians and nurses (abstr) [Poulton & Powell], S351
- connectors, complication during fiberoptic bronchoscopy (correspondence) [Zebrowski], 276
- cryoprobe, nitrous oxide leakage into operating room air (abstr) [Wray], S335
- electroencephalographic filter-processor as indicator of cerebral

- ischemia during carotid endarterectomy (clinical report) [Cucchiara & others], 77
- endotracheal tubes, pressure on tracheal wall caused by tip (abstr) [Benumof & others], S193
- exhaust systems, sampling of operating room air by use of device worn by personnel (abstr) [Burm & Spierdijk], S355
- failure, preventable anesthetic mishaps, multi-hospital study (abstr) [Cooper & others], S348
- filters
- gas, anesthetic circuit, bacterial pulmonary infections not reduced by (abstr) [Pace & others], S362
 - micropore, platelet transfusion through (abstr) [Snyder & others], S205
- jet injector, pneumothorax secondary to ball-valve obstruction during use of for ventilation (clinical report) [Oliverio & others], 255
- microprocessor automation of anesthesia records (abstr) [Whitesell & others], S333
- oxygen electrode
- systems, inaccuracy of (correspondence) [Brinkløv & others], 369
 - systems, inaccuracy of (correspondence) [Oeseburg & Kwant], 368
- pump, balloon, intra-aortic, renal function and (abstr) [Hilberman & others], S166
- scavenging
- gas, obstruction in line, cause of (correspondence) [Hamilton & Byrne], 365
 - hazard of (correspondence) [Abramowitz & McGill], 276
- soda lime absorption of halothane in pediatric circuit (abstr) [Grodin & Epstein], S317
- stylet, optical, new intubation technique for adults and children (clinical report) [Katz & Berci], 251
- syringes, plastic, nitroglycerin absorption (abstr) [Ingram & Miller], S132
- transducers
- domes, disposable, artifactual hypotension without damping as hazard of (clinical report) [Sisko & others], 263
 - zero suppression of, in cardiovascular pressure monitoring (correspondence) [Son], 573
- tubes
- endobronchial, bronchial rupture in use of (clinical report) [Heiser & others], 88
 - endobronchial, intraoperative obstruction of (clinical report) [Job & others], 550
 - endotracheal, modified, for laser microsurgery (correspondence) [Patil], 571
 - endotracheal, new retractor for (correspondence) [Chester], 274
 - endotracheal, new technique with optical stylet, for adults and children (clinical report) [Katz & Berci], 251
 - nasogastric, new method for insertion of (correspondence) [Ohn & Wu], 568
 - nasotracheal, thrombotic occlusion of (correspondence) [Henzig], 484
- ERDEMIR, H., see GELMAN, S., jt. auth.
- ERENBERG, A., see KENNEDY, R. L., jt. auth.
- ERICKSON, N., see KENDIG, J. J., jt. auth.
- ERSPAMER, R., see RAUDZENS, P., jt. auth.
- Erythrocytes, see under Blood
- Erythrocytes, packed, see under Transfusion
- ESTAFANOUS, F. G., see ENTRESS, A., jt. auth.
- ESTRIN, J. A., EMERY, R. W., NICOLOFF, D. M., SWAYZE, C. R., BUCKLEY, J. J., and FOX, I. J., Left ventricular mechano-receptor reflex function (abstr), S114
- Ether, see under Anesthetics, volatile, individual ethers
- Etidocaine, see under Anesthetics, local
- Etomidate, see under Anesthetics, intravenous
- Evoked potentials, see under Brain
- Ewy, G., see YAKAITIS, R. W., jt. auth.
- Exhaust systems, see under Equipment; Operating rooms
- External jugular vein, see under Veins, jugular
- Extravascular thermal volume, see under Measurement techniques
- Extubation, see under Anesthetic techniques
- nitrous oxide interaction with SF₆ and air (abstr) [Stinson & Donlon], S16
 - succinylcholine alteration of forced duction testing (abstr) [France & others], S326
- Eyes
- intracocular pressure
 - succinylcholine effect (abstr) [Borman & others], S272
 - succinylcholine-induced increase in, failure of gallamine to inhibit (correspondence) [Giala & others], 578
- ophthalmoplegia, progressive external, pancuronium-succinylcholine-induced neuromuscular blockade in (clinical report) [D'Ambra & others], 343
- FAGRAEUS, L., URBAN, B. J., GROCE, A. M., and BROMAGE, P. R., Spread of epidural analgesia in early pregnancy (abstr), S299
- FAHMY, N. R., and BATTIT, G. E., Carbohydrate and lipid metabolism during controlled hypotension (abstr), S84
- , and LAPPAS, D. G., Intravenous calcium chloride and the coagulation-fibrinolytic system (abstr), S117
 - , MOSSAD, B., and MILAD, M., Effect of blood pressure on spinal cord blood flow in dogs (abstr), S79
 - , PATEL, D. G., MOELLINGER, R. C., THRASHER, K., and HARRIS, W. H., Antibiotic concentrations in serum muscle and bone: a comparison of hypotensive and normotensive anesthesia (abstr), S133
 - , ROBERTS, J. T., and LAPPAS, D. G., Nitroprusside-induced hypotension: role of heart rate in determining hemodynamic effects and tachyphylaxis (abstr), S71
 - , SUNDER, N., MOSS, J., SLATER, E., LAPPAS, D. G., Tachyphylaxis to nitroprusside: role of the renin-angiotensin system and catecholamines in its development (abstr), S72
 - , see HICKEY, P., jt. auth.
 - , see LAPPAS, D. G., jt. auth.
- FAIRLEY, H. B., The changing arterial oxygen tension—disease or physician? (editorial views), 492
- , see KATZ, J. A., jt. auth.
- FAN, F. C., KIM, S., SIMCHON, S., CHEN, R. Y. Z., SCHUESSLER, G. B., and CHIEN, S., Factors affecting endocardial circulation (abstr), S65
- FARBOOD, A., see HIRSHMAN, C. A., jt. auth. (2)
- FARMER, B. C., and SIVARAJAN, M., An anaphylactoid response to a small dose of *d*-tubocurarine (clinical reports), 358
- Fasciculation, see under Muscle, skeletal
- Fat embolism, see under Embolism
- Fatty acids, see under Blood; Metabolism
- FEELY, T. W., MIHM, F. H., GUTHANER, D., and ROSENTHAL, M. H., Extravascular thermal volume as an estimate of lung water (abstr), S176
- , see MIHM, F., jt. auth.
- FEINGOLD, A., Body weight vs. surface area for calculating dose of spinal anesthetic (correspondence), 568
- FELDMAN, S. A., HAM, J., and MILLER, R. D., Hypothermia and neuromuscular blockade (correspondence), 369
- , see AGOSTON, S., jt. auth.
- FENNELL, R. G., see BOGARD, T. D., jt. auth.
- Fentanyl, see under Analgesics, narcotic; Anesthetics, intravenous
- FERMON, C., see OLIVIERO, R., Jr., jt. auth.
- FERNANDEZ, M. A., see JOB, C. A., jt. auth.
- Fetus, see under Anesthesia; Placenta; Pregnancy; Toxicity; Uterus
- Fiberoptic catheters, see under Equipment, catheters
- Fibrillation, see under Heart, arrhythmias
- Filters, see under Equipment
- FINCK, A. D., and NGAI, S. H., A possible mechanism of ketamine-induced analgesia (abstr), S34
- , see BERKOWITZ, B. A., jt. auth.
- FINK, B. R., BARSA, J., and CALKINS, D. F., Osmotic swelling effects on neural conduction, 418

- , CALKINS, D. F., and BARSA, J., Hypoosmotic neural swelling and electrolyte depletion as potentiators of local anesthetic block (abstr), S220
- , Interpretation of data (correspondence), 179
- , see BARSA, J., jt. auth.
- , see BUCKLEY, F. P., jt. auth.
- , see BYERS, M. R., jt. auth.
- FINSTER, M., see MARX, G. F., jt. auth.
- , see MORISHIMA, H. O., jt. auth.
- , see PEDERSEN, H., jt. auth.
- FIRESTONE, S., KLEINMAN, C. S., JAFFE, C. G., TAUNT, K., SCHNEIDERMAN, S., TALNER, N. S., and BARASH, P. G. Human research and noninvasive measurement of ventricular performance: an echocardiographic evaluation of etomidate and thiopental (abstr), S22
- , see BARASH, P. G., jt. auth.
- FISCHER, D., see ROBINSON, S., jt. auth.
- FISH, K. J., SIEVENPIPER, T. J., RICE, S. A., and MAZZE, R. I., Enflurane and gentamicin in chronic renal failure, S262
- FISH, M. P., and RICE, S. A., Isoniazid metabolites and anesthetic metabolism (abstr), S256
- FISHBURNE, J. L., see WHEELER, A. S., jt. auth.
- FITZGERALD, R. S., GAUTIER, H., and LAHIRI, S. (eds.), *The Regulation of Respiration during Sleep and Anesthesia* (book review), 99
- FLEMING, D. C., see RAMPIL, I. J., jt. auth.
- , see SMITH, N. T., jt. auth. (2)
- FLEWELLEN, E. H., and NELSON, T. E., Porcine malignant hyperthermia: a method to produce dantrolene prophylaxis and therapeuticus (abstr), S248
- FLOYD, H. M., see JAMES, F. M., jt. auth.
- Fluid balance, glucose control in normal and obese surgical patients (abstr) [McLeskey & others], S250
- Fluoride, see under Ions; Structure, molecular
- Fluorometabolites, see under Biotransformation (drug); Pharmacology; Toxicity
- FOËX, P., see LOWENSTEIN, E., jt. auth.
- FOGDALL, R. P., Exacerbation of iatrogenic hypercarbia by PEEP (clinical reports), 173
- FOLDES, F. F., CHAUDHRY, I., SOKOL, L., and NAGASHIMA, H., In vitro 4-aminopyridine-anticholinesterase interaction (abstr), S289
- , RAO, D. B. S., DEERY, A., NAGASHIMA, H., UNDERWOOD, P. S., and DUNCALF, D., Stimulation parameters and reversal of d-tc block in vivo (abstr), S286
- , see BIKHAZI, G. B., jt. auth.
- , see MORITA, K., jt. auth.
- FORBES, A. R., COHEN, N. H., and EGER, E. I., 11 Pancuronium reduces halothane requirement in man (abstr), S1
- FORD, D. J., see SENSON, D. D., jt. auth.
- FOREST, R., see KATZ, J., jt. auth.
- , see ROSE, D., jt. auth.
- FORESTNER, J. E., see WILSON, R. D., jt. auth.
- FORNDALEY, J., see HAWKINS, R. A., jt. auth.
- FORSTER, A., GARDAZ, J.-P., SUTER, P. M., and GEMPERLE, M., Comparative respiratory effects of midazolam and diazepam (abstr), S383
- FOX, I. J., see ESTRIN, J. A., jt. auth.
- FOX, W. W., see SHUTACK, J. G., jt. auth.
- FRAGEN, R. J., and CALDWELL, N., Antiemetic effectiveness of intramuscularly administered domperidone (clinical reports), 460
- , MEYERS, S. N., BARRESI, V., and CALDWELL, N. J., Hemodynamic effects of midazolam in cardiac patients (abstr), S103
- FRANCE, N. K., FRANCE, T. D., WOODBURN, J. D., and BURBANK, D. P., Alteration of forced duction testing by succinylcholine (abstr), S326
- FRANCE, T. D., see FRANCE, N. K., jt. auth.
- FRANCIS, C. M., see LOWENSTEIN, E., jt. auth.
- FREUND, F., see BARSA, J., jt. auth.
- FREYE, E., see ARNDT, J. O., jt. auth.
- FRIEDMAN, S., see MACKENZIE, C. F., jt. auth.
- , see SHIN, B., jt. auth.
- FROESE, A. B., see BUTLER, W. J., jt. auth.
- FROST, E. A. M., TABADDOR, K., ARANCIBIA, C. U., Hypotensive drugs and outcome in cerebral aneurysm surgery (abstr), S82
- FUDENBERG, H. H., STITES, D. P., CALDWELL, J. L., and WELLS, J. V. (eds.), *Basic and Clinical Immunology* (book review), 191
- FURST, P., see ASKANAZI, J., jt. auth.
- GABA, see Brain, gamma-aminobutyric acid
- GABEL, J. C., DRAKE, R. E., and ARENS, J. F., Oxygenation as an indicator of lung fluid accumulation (abstr), S156
- , see DRAKE, R. E., jt. auth.
- GAGNON, R. L., BRYSON, T. K., and SHAPIRO, H. M., High dose barbiturate effects on circulatory hemodynamics and myocardial infarct size in dogs with acute coronary occlusion (abstr), S89
- , MARSH, M. L., INGVAR, M., MARSHALL, L. F., and SHAPIRO, H. M., The effect of lorazepam on intracranial pressure and CO_2 retention in cats with intracranial hypertension (abstr), S39
- , MARSH, M. L., SMITH, R. W., and SHAPIRO, H. M., Intracranial hypertension caused by nitroglycerin (clinical reports), 86
- , and SHAPIRO, H. M., The effect of diazoxide on intracranial pressure in cats with intracranial mass lesions (abstr), S200
- , see ROCKOFF, M., jt. auth.
- GAL, T. J., and GOLDBERG, S. K., Relationship between respiratory muscle strength and vital capacity during curare-induced weakness (abstr), S271
- GALINDO, A., and WITCHER, T., Blockade of sensory and motor pathways by lidocaine, bupivacaine and etidocaine (abstr), S216
- , and WITCHER, T., Critical blocking length as related to conduction velocity (abstr), S218
- , and WITCHER, T., Mixtures of local anesthetics: bupivacaine-chloroprocaine (abstr), S213
- , and WITCHER, T., Vulnerability of sensory pathways to local anesthetics (abstr), S212
- Gallamine, see under Neuromuscular relaxants
- Gamma-aminobutyric acid, see under Brain
- GANDOLFI, A. J., see BLITT, C. D., jt. auth.
- , see BROWN, B. R., jt. auth.
- , see MILLER, M. S., jt. auth.
- , see SIPES, I. G., jt. auth.
- GANGAT, Y., BERNSTEIN, K., VULLIEMEZ, Y., VEROSKY, M., and TRINER, L., Cardiac adenylate cyclase: droperidol/halothane effect (abstr), S129
- , see BERNSTEIN, K., jt. auth.
- Ganglion, celiac, see Anatomy, celiac ganglion
- Ganglionic blocking agents, see under Sympathetic nervous system
- GARBER, J. G., OMINSKY, A. J., and ORKIN, F. K., Physostigmine reversal of diazepam sedation (abstr), S37
- GARBY, L., and MELDON, J., *The Respiratory Functions of Blood* (book review), 582
- GARDAZ, J.-P., see FORSTER, A., jt. auth.
- GARDNER, S. M., see SMITH, D. S., jt. auth.
- GARIBALDI, R. A., see PACE, N. L., jt. auth.
- GARMAN, J. K., Anesthesiologists are CPR experts: (correspondence), 477
- Gases
- nonanesthetic
- freons, SF_6 , intraocular, nitrous oxide interaction with (abstr) [Stinson & Donlon], S16
- nitrogen, preoxygenation technique, four-breath (abstr) [Gold & Muravchick], S358
- Gastrointestinal tract
- antacids

- differential pulmonary toxicity (abstr) [Bogard & others], S311
- pulmonary aspiration (abstr) [Gibbs & others], S290
- intestine, nitrous oxide metabolism in man and rat (abstr) [Trudell & others], S258
- stomach
- acid, aspiration of, prophylaxis by preoperative use of cimetidine (clinical report) [Coombs & others], 352
 - and antiemetic effectiveness of intramuscularly administered domperidone (clinical report) [Fragen & Caldwell], 460
 - aspiration of contents of, single-dose oral antacid therapy as prophylaxis of (clinical reports) [Detmer & others], 270
 - new method for nasogastric tube insertion into (correspondence) [Ohn & Wu], 568
 - pH, cimetidine for prophylaxis of aspiration pneumonitis (abstr) [Weber & Hirshman], S180
- GATEAU, O., see HARARI, A., jt. auth.
- GAYMER, J. A., see KNIGHT, P. R., jt. auth.
- GEER, R. T., BERRY, A. J., MARSHALL, C., and MARSHALL, B. E., Changes in myocardial blood flow after CMV and PEEP in dogs (abstr), S208
- , see BERRY, A. J., jt. auth. (2)
- GELENEAU, J., see TURK, J., jt. auth.
- GELMAN, S., LAWS, H. L., PÖTZICK, J., STRONG, S., LINNAN, M., and ERDEMIR, H., Thoracic epidural analgesia in morbid obesity (abstr), S234
- GEMPERLE, M., see FORSTER, A., jt. auth.
- Genetic factors
- congenital defects, and anesthesia (clinical report) [Jones & Croley], 261
 - E₁-E₁, chlorprocaine pharmacokinetics in (abstr) [Zsigmond & others], S222
 - Morquio syndrome, and anesthesia (clinical report) [Jones & Croley], 261
 - nitrous oxide-resistant and -susceptible mice (abstr) [Koblin & others], S17
- Gentamicin, see under Antibiotics
- GERGIS, S. D., see SOKOLL, M. D., jt. auth.
- GERSON, J. I., see ALLEN, F. B., jt. auth.
- GIALA, M. M., BALAMOUTSOS, N. G., TSAKONA, E. A., VASILIAKOU, S., and MACRIS, S. G., Failure of gallamine to inhibit succinylcholine-induced increase in intraocular pressure (correspondence), 578
- GIBBS, C. P., HEMPLING, R. E., WYNNE, J. W., and HOOD, C. I., Antacid pulmonary aspiration (abstr), S290
- , SCHWARTZ, D. J., WYNNE, J. W., HOOD, C. I., and KUCK, E. J., Antacid pulmonary aspiration in the dog, 380
- GIESECKE, A. H., JR., Averaging pH vs. H⁺ values (correspondence), 482
- GILBERT, B., see ROY, W. L., jt. auth.
- GILBERT, J. P., see TEPLICK, R., jt. auth. (2)
- GILL, W., and LONG, W. B., III, *Shock Trauma Manual* (book review), 584
- GILMAN, R. M., see CRAFT, J. B., jt. auth. (2)
- GILMOUR, I. J., see BELANI, K. G., jt. auth.
- GINGERICH, R. L., PARADISE, R. R., and WRIGHT, P. H., Inhibition by ether of glucose-stimulated insulin secretion in isolated pieces of rat pancreas, 34
- GISSEN, A. J., COVINO, B., and GREGUS, J., Effect of local anesthetic drugs on fast and slow nerve fibers (abstr), S217
- , see DEBROS, F., jt. auth.
- GLISSON, S. N., EL-ÉTR, A. A., LIM, R., Prolongation of pancuronium-induced neuromuscular blockade by intravenous infusion of nitroglycerin, 47
- , and EL-ÉTR, A. A., Reversal of neuromuscular blockade and tricyclic antidepressants (correspondence), 575
- GLOMAUD, D., Succinylcholine and serum calcium (correspondence), 567
- Glucose, see under Blood; Metabolism
- Glycopyrrolate, see under Parasympathetic nervous system; Pre-medication
- GOLD, M. I., and MURAVCHICK, S., A four-breath preoxygenation technique (abstr), S358
- GOLDBERG, S. K., see GAL, T. J., jt. auth.
- GOLDMAN, E., DE CAMPO, T., and ALDRETE, J. A., Enflurane concentration: influence of semiclosed system (abstr), S23
- , DE CAMPO, T., and ALDRETE, J. A., Failure of steroids to improve hemorrhagic pulmonary edema (abstr), S178
- , GOLDMAN, M. C., SHERRILL, D., and ALDRETE, J. A., Enflurane and renal function after transplantation (abstr), S24
- , see DE CAMPO, T., jt. auth.
- GOLDMAN, M. C., see GOLDMAN, E., jt. auth.
- GOODLOE, S. L., WOLFSON, B., and SIKER, E. S., The effect of minute volume of PCO₂ using the Bain circuit (abstr), S379
- GOODMAN, P. C., see KRONBERG, G. M., jt. auth.
- GOTO, H., SHIEH, D., and ARAKAWA, K., Interaction of local anesthetics and cell membrane model (abstr), S230
- GOUDSOUZIAN, N. G., CRONE, R. K., and TODRES, I. D., Reversal of neuromuscular effects of pancuronium in the neonatal intensive care unit (abstr), S329
- , see LIU, L. M. P., jt. auth.
- GRAHAM, B. H., WILKINSON, P. L., and BROWN, C., Anemia, anesthesia and distribution of myocardial blood flow (abstr), S92
- GRAHAM, B. H., WILKINSON, P. L., MOVERS, J. R., HAMILTON, W. K., CHATTERJEE, K. M., PORTS, T. A., and ULLYOT, D. J., Intraoperative changes in hemoglobin oxygen affinity in patients undergoing coronary artery bypass (abstr), S93
- GRAHAM, C. W., WELCH, W. D., and ZACCARI, J., A possible mechanism for anesthetic depression of lung macrophages (abstr), S48
- GRANT, W. M., see JAMES, F. M., jt. auth.
- GRAVENSTEIN, J. S., NEWBOWER, R. S., REAM, A. K., SMITH, N. T., and BARDEN, J., *Monitoring Surgical Patients in the Operating Room* (book review), 372
- GREEN, O., see STANLEY, T. H., jt. auth.
- GREENBERG, P. S., see GRUNDY, B. L., jt. auth.
- GREENHOW, D. E., see BARTKOWSKI, R. R., jt. auth.
- , see KLINEBERG, P. L., jt. auth.
- , see LECKY, J. H., jt. auth.
- , see SCHWARTZ, A. J., jt. auth.
- GREENIDGE, J., see SHARROCK, N. E., jt. auth.
- GREENWOOD, W. H., see HOLADAY, D. A., jt. auth.
- GREGORY, G. A., LISTER, G., and HEYMANN, M., The effects of tolazoline on intravascular pressures and cardiac output and its distribution during hypoxemia (abstr), S324
- , see O'KEEFFE, C. O., jt. auth.
- , see ROBINSON, S., jt. auth.
- , see WARE, R., jt. auth.
- GREGUS, J., see GISSEN, A. J., jt. auth.
- GREISS, F. C., see WHEELER, A. S., jt. auth.
- GROCE, A. M., see FAGRAEUS, L., jt. auth.
- GRODIN, W. K., and EPSTEIN, R. A., Halothane adsorption by soda lime (abstr), S317
- GRONERT, G. A., and MILDE, J. H., MH muscle: effect of neurotransmitters or ↑ temperature (abstr), S247
- GRONKA, R., see CHENEY, F. W., jt. auth.
- GROSSMAN, L. B., see MESSNER, J. T., jt. auth.
- GRUENER, R., and BLANCK, T., Sarcolemmal calcium in human malignant hyperthermia (abstr), S245
- , see BLANCK, T. J. J., jt. auth.
- GRUENKE, L. D., see WARD, M. G., jt. auth.
- GRUM, P., see SNYDER, E. L., jt. auth.
- GRUNDY, B. L., BROWN, R. H., and GREENBERG, P. S., Diazepam alters cortical evoked potentials (abstr), S38
- , NASH, C. L., and BROWN, R. H., Deliberate hypotension for scoliosis fusion (abstr), S78
- GUMP, F. E., see ASKANAZI, J., jt. auth.
- GUPTA, C. D., see BOND, V. K., jt. auth.
- GUTHANER, D., see FEELEY, T. W., jt. auth.
- GUTSCHE, B. B., see BOGARD, T. D., jt. auth.
- , see KENEPP, N. B., jt. auth.
- , see WHEELER, A. S., jt. auth.
- Gynecologic surgery, see under Surgery

- HABERER, J. P., see MAZZARELLI, M., jt. auth.
- HAGERDAL, M., see SISKO, F., jt. auth.
- HAKIM, T. S., see VAN DER ZEE, H., jt. auth.
- Hallucinations, see under Psychologic responses
- Halothane, see under Anesthetics, volatile
- HAM, J., and MILLER, R. D., Hypothermia and neuromuscular blockade (correspondence), 371
- , STANSKI, D. R., MILLER, R. D., and NEWFIELD, P., Curare neuromuscular blockade during hypothermia in man (abstr), S284
- , see STANSKI, D. R., jt. auth. (2)
- , see WHITE, P. F., jt. auth.
- HAMBURGER, C., see ROGERS, M. C., jt. auth.
- HAMEROFF, S. R., see STIFFEL, P., jt. auth.
- HAMILTON, R. C., and BYRNE, J., Another cause of gas-scavenging line obstruction (correspondence), 365
- HAMILTON, W. K., see GRAHAM, B., jt. auth.
- HANAOKA, K., see OHTANI, M., jt. auth.
- HANSEN, P. H., see JANSEN, E. C., jt. auth.
- HARARI, A., MARTIN, E., BOUVIER, A. M., GATEAU, O., COMOY, E., and BOHUON, C., Decreased dopamine-beta-hydroxylase activity in septic shock (abstr), S155
- HARBISON, R. D., see WOOD, M., jt. auth.
- HARDY, C., see SIVARAJAN, M., jt. auth.
- HARP, J. R., see BERNTMAN, L., jt. auth.
- HARRIS, T., see CORK, R. C., jt. auth.
- HARRIS, W. H., see FAHMY, N. R., jt. auth.
- HARRISON, C. E., see TINKER, J. H., jt. auth.
- , see WALLS, J. T., jt. auth.
- HARRISON, R. A., see CANE, R. D., jt. auth.
- , see NATONSON, R., jt. auth.
- HARWOOD, I. R., see ALFERY, D. D., jt. auth.
- HAVIDALA, H. S., BORISON, R. L., and DIAMOND, B. I., Mechanisms for ketamine analgesia and hallucinosis (abstr), S52
- , COMATY, J. E., BORISON, R. L., and DIAMOND, B. I., Chronic naltrexone enhancement of morphine action (abstr), S235
- HAWKINS, R. A., FORNADLEY, J., HELM, B., MANS, A. M., and BIEBUYCK, J. F., Regional brain function during halothane anesthesia (abstr), S9
- , see HERNÁNDEZ, M. J., jt. auth.
- HAZEBROUK, J., see DUVLADSTIN, P., jt. auth.
- HAZLEWOOD, J., see LEWIS, R. E., jt. auth.
- Headache, see under Complications
- Heart
- aminophylline
 - oxygen demand and myocardial ischemia increase by (abstr) [Kassin], S163
 - arrhythmia
 - avoidance of, in anesthetic management of Wolff-Parkinson-White syndrome (clinical report) [Sadowski & Moyers], 553
 - hypokalemia effects on epinephrine-induced dysrhythmias during anesthesia (abstr) [Wong & others], S118
 - potassium cardioplegia, urinary and serum K⁺ after (abstr) [Azar & others], S96
 - tachycardia, nitroprusside-induced hypotension, heart rate role (abstr) [Fahmy & others], S71
 - verapamil, EGTA and, muscle responses to *in vitro* (abstr) [Bikhaizi & others], S275
 - arrhythmias
 - caused by Swan-Ganz catheter (clinical report) [Thomson & others], 359
 - fibrillation, energy needs for defibrillation, time and therapy affect (abstr) [Yakaitis & Ewy], S153
 - in pancuronium-succinylcholine-induced neuromuscular blockade in Kearns-Sayer syndrome (clinical report) [D'Ambra & others], 343
 - in reversal of neuromuscular blockade following tricyclic anti-depressant therapy (correspondence) [Glisson & El-Etr], 575
 - in transient left-bundle branch block in anesthesia (clinical report) [Pratila & others], 461
 - atrioventricular conduction, pancuronium enhancement in anesthetized dogs (abstr) [Kreul & Atlee], S86
- blood flow
- halothane, greater coronary vascular reserve with (abstr) [Verrier & others], S63
 - monitoring myocardial oxygen consumption, continuous (abstr) [deBros & others], S209
 - myocardial, age-related changes in coronary blood flow and resistance in chronically instrumented sheep (abstr) [Robinson & others], S323
 - myocardial, anemia, anesthesia, and distribution of (abstr) [Graham & others], S92
 - myocardial, effects of diazepam and midazolam maleate on [Jones & othrs], 430
 - myocardial, endocardial circulation, factors affecting (abstr) [Fan & others], S65
 - myocardial, mechanical ventilation alteration of in dog (abstr) [Geer & others], S208
 - myocardial, and oxygenation in man awake and during halothane anesthesia [Sonntag & others], 204
 - myocardial, PEEP alteration of in dogs (abstr) [Geer & others], S208
- cardiac massage
- anesthesiologists are experts in (correspondence) [Allen], 477
 - anesthesiologists' knowledge of advanced cardiopulmonary resuscitation (abstr) [Schwartz & others], S340
- cardiac life support modular teaching, advanced (abstr) [McSwain & others], S356
- cardiopulmonary resuscitation training center (abstr) [Rumble & Brandstater], S341
- defibrillation, energy needs for, time and therapy affect (abstr) [Yakaitis & Ewy], S153
- epinephrine mechanism of action during resuscitation (abstr) [Otto & others], S152
- cardiac output
- afterload reduction and preload augmentation (abstr) [Stone & others], S66
 - alphapropranolol effects (abstr) [Reddy & others], S102
 - anemia, normovolemic, in coronary disease, hemodynamic changes due to (abstr) [Rao & others], S164
 - aortic cross-clamping, infrarenal, pulmonary changes (abstr) [Klineberg & others], S388
 - aortic reconstructive surgery, adrenergic blockade and temporary shunt hemodynamic effects (abstr) [Thomson & others], S125
 - bipivacaine, intravenous injection in pregnant ewe (abstr) [Craft & others], S309
 - burn wound sepsis, pulmonary edema mechanism in (abstr) [Adair & Traber], S175
 - calcium ion acute increase effects on pulmonary vasculature (abstr) [Lappas & others], S172
 - cardiopulmonary bypass, filling pressures, optimal, following (abstr) [Mangano & others], S165
 - changes in, with alterations of plasma ionized calcium concentration [Scheidegger & Drop], 143
 - DEME study (abstr) [Tinker & others], S25
 - dobutamine effects on in cardiac surgical patients (abstr) [Schneider & others], S110
 - dobutamine effects with and without propranolol (abstr) [Rao & others], S154
 - dobutamine response in patients taking propranolol (abstr) [Jarmann & others], S111
 - during heart-valve replacement, diazepam and ketamine vs. morphine anesthesia in [Dhadphale & others], 200
 - echocardiographic evaluation with etomidate and thiopental (abstr) [Firestone & others], S22
 - effects of diazepam and midazolam maleate on [Jones & others], 430
 - extubation cardiovascular effects (abstr) [Wohlner & others], S194
 - fentanyl-oxygen anesthesia for coronary-artery operations, plasma catecholamine and cortisol responses (abstr) [Stanley & others], S139
 - hemodilution, normovolemic, acute (abstr) [Rose & others], S91

- hyperthermia alteration of sympathetic activity (abstr) [Kim & others], S127
- infants, small, thermodilution determinations (abstr) [Zideman & others], S320
- intra-aortic balloon pump and renal function (abstr) [Hilberman & others], S166
- intraoperative cardiovascular state and cardiac subsets (abstr) [Dauchot], S112
- ketamine infusion effects on (abstr) [Wilson & others], S35
- left atrial mean pressure estimation from right heart measurements (abstr) [Yelderman & others], S210
- metocurine, *d*-tubocurarine comparison (abstr) [Antonio & others], S281
- midazolam effects in cardiac patients (abstr) [Fragen & others], S103
- metocurine effects in patients with aortic valvular disease during morphine-diazepam-oxygen anesthesia (abstr) [Zaidan & others], S137
- midazolam, nitrous oxide and, anesthetic induction in ischemic heart disease (abstr) [Samuelson & others], S104
- morphine effect in conscious dogs (abstr) [Priano & Vatner], S140
- morphine-nitrous oxide and fentanyl-nitrous oxide balanced anesthesia, cardiovascular effects before and after pancuronium (abstr) [Bennett & Stanley], S138
- neostigmine-atropine after coronary-artery bypass grafting (abstr) [Brooks & others], S168
- nitroglycerin effects on ventilation-perfusion (abstr) [Colley & others], S372
- ORG-NC₄₅ comparison with *d*-tubocurarine, pancuronium, and metocurine (abstr) [Booij & others], S280
- outflow resistance, left ventricular sensitivity to (abstr) [Schauble & others], S107
- and oxygenation in man awake and during halothane anesthesia [Sonntag & others], 204
- PEEP, therapy, long-term, and lung water in acute respiratory failure (abstr) [de Campo & others], S186
- pericardium effect on (abstr) [Mangano], S126
- renal hypertensive patients receiving beta-receptor antagonists, hemodynamic effects of anesthesia and surgery (abstr) [Prys-Roberts], S122
- renin release response to dietary sodium (abstr) [Hickey & others], S113
- reversed I:E ratio, CPAP and CPPV (abstr) [Berman & others], S188
- steroid failure to alleviate hemorrhagic pulmonary edema (abstr) [Goldman & others], S178
- stress of anesthesia and surgery effects (abstr) [Philbin & others], S121
- sufentanil effects (abstr) [Reddy & others], S102
- tolazoline effects and distribution during hypoxemia (abstr) [Gregory & others], S824
- compliance
- ventricular, alphaprodine effects (abstr) [Reddy & others], S102
 - ventricular, anemia, normovolemic, in coronary disease, hemodynamic changes due to (abstr) [Rao & others], S164
 - ventricular barbiturate, high-dose, effects on circulatory hemodynamics in dogs with acute coronary occlusion (abstr) [Gagnon & others], S89
 - ventricular, calcium ion acute increase effects on pulmonary vasculature (abstr) [Lappas & others], S172
 - ventricular, cardiopulmonary bypass effects on (abstr) [Mangano & others], S108
 - ventricular, cardiopulmonary bypass, filling pressures, optimal, following (abstr) [Mangano & others], S165
 - ventricular, dobutamine effects on in cardiac surgical patients (abstr) [Schneider & others], S110
 - ventricular, dobutamine effects with and without propranolol (abstr) [Rao & others], S154
 - ventricular, dobutamine response in patients taking propranolol (abstr) [Jarmann & others], S111
- ventricular, intraoperative cardiovascular state and cardiac subsets (abstr) [Dauchot], S112
- ventricular, left ventricular mechanoreceptor reflex function (abstr) [Estrin & others], S114
- ventricular, methylmethacrylate effects on (abstr) [Johansen & Benumof], S77
- ventricular, midazolam effects in cardiac patients (abstr) [Fragen & others], S103
- ventricular, midazolam, nitrous oxide and, anesthetic induction in ischemic heart disease (abstr) [Samuelson & others], S104
- ventricular, pericardial effect on (abstr) [Mangano], S126
- ventricular stiffness, active, of left ventricle during anesthesia (abstr) [Shimosato & Kemmotsu], S106
- ventricular, sufentanil effects (abstr) [Reddy & others], S102
- conduction
- atrioventricular, pancuronium enhancement in anesthetized dogs (abstr) [Kreul & Atlee], S86
 - mechanical ventilation and (abstr) [Ammendrup & Atlee], S87
- ventricular, halothane effects on (abstr) [Turner & others], S85
- congenital defects
- intracardiac shunt, reversal of, bronchoscopy and (clinical report) [Rao & others], 558
- contractility
- echocardiographic evaluation with etomidate and thiopental (abstr) [Firestone & others], S22
 - effects of diazepam and midazolam maleate on [Jones & others], 430
- ketamine infusion effects on (abstr) [Wilson & others], S35
- nitroglycerin, systolic time interval dose-response to (abstr) [Dauchot], S68
- ventricular stiffness, active, during anesthesia (abstr) [Shimosato & Kemmotsu], S106
- coronary occlusion
- anemia, normovolemic, in, hemodynamic changes due to (abstr) [Rao & others], S164
 - anesthetics in protection from myocardial ischemia (abstr) [Tinker & Harrison], S58
 - barbiturate, high-dose, effects on circulatory hemodynamics and myocardial infarct size in dogs with (abstr) [Gagnon & others], S89
 - endocardial circulation, factors affecting (abstr) [Fan & others], S65
- halothane effects on reflexes in dog (abstr) [Bachhuber & others], S88
- halothane and narrowed coronary arteries (abstr) [Lowenstein & others], S62
- ischemia during coronary artery bypass grafting using halothane (abstr) [Lieberman & others], S90
- local anesthesia followed by myocardial reinfarction (abstr) [Backer & others], S61
- lung capillary permeability in cardiogenic shock (abstr) [Masson & others], S173
- neostigmine-atropine after coronary-artery bypass grafting (abstr) [Brooks & others], S168
- nitroglycerin, coronary-artery disease hemodynamic responses (abstr) [Landry & others], S69
- nitroglycerin, systolic time interval dose response to (abstr) [Dauchot], S68
- rate-pressure product exercise threshold violation in coronary patients (abstr) [Reves & others], S64
- Swan-Ganz catheters in left main coronary disease (abstr) [Slocum & Linnan], S60
- vasodilators increasing oxygen demand and myocardial ischemia (abstr) [Kissin], S163
- wedge pressure to predict ischemia during CABG (abstr) [Lieberman & others], S59
- dobutamine
- hemodynamic effects in cardiac surgical patients (abstr) [Schneider & others], S110
 - myocardial beta-adrenergic responses to during halothane (abstr) [Bernstein & others], S109

- Heart, dobutamine
 response in patients taking propranolol (abstr) [Jarman & others], S111
- echocardiography
 pediatric anesthesia, induction, cardiovascular performance, enflurane and halothane comparison (abstr) [Barash & others], S315
- electrocardiography
 barbiturate, high-dose, effects on circulatory hemodynamics in dogs with acute coronary occlusion (abstr) [Gagnon & others], S89
- during non-cardiac surgical procedures revealing myocardial ischemia in patients with coronary-artery disease [Roy & others], 393
- Q-T interval, duration of, and plasma ionized calcium concentration [Scheidegger & Drop], 143
- intraoperative status, in prediction of anesthetic outcome (editorial views) [Bunker], 1
- ischemia, during non-cardiac surgical procedures in patients with coronary-artery disease [Roy & others], 393
- metabolism
 adenosinetriphosphate, anesthetics vs. global myocardial ischemic deterioration (abstr) [Walls & others], S144
- adenylate cyclase response to droperidol and halothane (abstr) [Gangat & others], S129
- ischemia, myocardial, anesthetic protection study (abstr) [Tinker & Harrison], S58
- and oxygenation in man awake and during halothane anesthesia [Sonntag & others], 204
- myocardial function
 afterload reduction and preload augmentation (abstr) [Stone & others], S66
- anemia, anesthesia, and blood flow distribution (abstr) [Graham & others], S92
- anesthetics, coronary vascular reserve greater with halothane (abstr) [Verrier & others], S63
- anesthetics, ischemia protection study (abstr) [Tinker & Harrison], S58
- anesthetics, Swan-Ganz catheters in left main coronary disease (abstr) [Slocum & Linnan], S60
- calcium ion acute increase effects on pulmonary vasculature (abstr) [Lappas & others], S172
- cardiopulmonary bypass effects on (abstr) [Mangano & others], S108
- coronary dilators increasing oxygen demand and myocardial ischemia (abstr) [Kassin], S163
- during heart-valve replacement, diazepam and ketamine vs. morphine anesthesia in [Dhadphale & others], 200
- echocardiographic evaluation with etomidate and thiopental (abstr) [Firestone & others], S22
- endocardial circulation, factors affecting (abstr) [Fan & others], S65
- halothane and narrowed coronary arteries (abstr) [Lowenstein & others], S62
- hyperthermia alteration of sympathetic activity (abstr) [Kim & others], S127
- intraoperative cardiovascular state and cardiac subsets (abstr) [Dauchot], S112
- ischemia during coronary artery bypass grafting using halothane (abstr) [Lieberman & others], S90
- left ventricular mechanoreceptor reflex function (abstr) [Estrin & others], S114
- in man awake and during halothane anesthesia [Sonntag & others], 204
- methylmethacrylate effects on (abstr) [Johansen & Benumof], S77
- neostigmine-atropine after coronary-artery bypass grafting (abstr) [Brooks & others], S168
- nitroglycerin, coronary-artery disease hemodynamic responses (abstr) [Landry & others], S69
- nitroglycerin, dose-response to systolic time interval (abstr) [Dauchot], S68
- nitroglycerin, intranasal administration (abstr) [Hill & others], S67
- outflow resistance, left ventricular sensitivity to (abstr) [Schauble & others], S107
- pericardium effect on (abstr) [Mangano], S126
- rate-pressure product exercise threshold violation in coronary patients (abstr) [Reves & others], S64
- ventricular stiffness, active, of left ventricle during anesthesia (abstr) [Shimosato & Kemmotsu], S106
- nitroglycerin, intranasal administration (abstr) [Hill & others], S67
- nitroprusside, afterload reduction and preload augmentation (abstr) [Stone & others], S66
- oxygen consumption
 age-related changes in coronary blood flow and resistance in chronically instrumented sheep (abstr) [Robinson & others], S323
- coronary dilators increasing (abstr) [Kassin], S162
- and metabolism in man awake and during halothane anesthesia [Sonntag & others], 204
- monitoring myocardial, continuous (abstr) [deBros & others], S209
- nitroglycerin, systolic time interval dose-response to, (abstr) [Dauchot], S68
- rate-pressure product exercise threshold violation in coronary patients (abstr) [Reves & others], S64
- papaverine, oxygen demand and myocardial ischemia increase by (abstr) [Kassin], S163
- pericardium, ventricular function affected by in man (abstr) [Mangano], S126
- pulse rate
 anticholinergic interaction with volatile anesthetics (abstr) [Samra & Cohen], S115
- extubation, cardiovascular responses to (abstr) [Edde], S195
- fentanyl-oxygen anesthesia for coronary-artery operations, plasma catecholamine and cortisol responses (abstr) [Stanley & others], S139
- halothane and central nervous system modulation of circulation (abstr) [Bousquet & others], S53
- hemodilution, normovolemic, acute (abstr) [Rose & others], S91
- intraoperative cardiovascular state and cardiac subsets (abstr) [Dauchot], S112
- ketamine infusion effects on (abstr) [Wilson & others], S35
- metocurine, *d*-tubocurarine comparison (abstr) [Antonio & others], S281
- morphine-nitrous oxide and fentanyl-nitrous oxide balanced anesthesia, cardiovascular effects before and after pancuronium (abstr) [Bennett & Stanley], S138
- nitroprusside-induced hypotension, heart rate role in hemodynamic effects and tachyphylaxis (abstr) [Johansen & Benumof], S71
- ORG-NC₄₅ comparison with *d*-tubocurarine, pancuronium, and metocurine (abstr) [Booij & others], S280
- pediatric head trauma, intracranial pressure and cardiovascular function (abstr) [O'Keeffe & others], S316
- renin release response to dietary sodium (abstr) [Hickey & others], S113
- responses, to endotracheal extubation with or without prior injection of lidocaine (clinical report) [Bidwai & others], 171
- responses, to pulmonary and radial arterial catheterization prior to cardiac and major vascular operations (clinical report) [Lunn & others], 265
- sarcoplasmic reticulum, enflurane effects on calcium dynamics in (abstr) [Conahan & Blanck], S146
- shunt, intracardiac, reversal of, bronchoscopy and (clinical report) [Rao & others], 558
- vascular pressures
 afterload reduction and preload augmentation (abstr) [Stone & others], S66

- alaphrodine effects (abstr) [Reddy & others], S102
 with alterations of plasma ionized calcium concentration [Scheidegger & Drop], 143
- aortic cross-clamping, infrarenal, pulmonary changes (abstr) [Klineberg & others], S388
- aortic reconstructive surgery, adrenergic blockade and temporary shunt hemodynamic effects (abstr) [Thomson & others], S125
- barbiturate, high-dose, effects on circulatory hemodynamics in dogs with acute coronary occlusion (abstr) [Gagnon & others], S89
- burn wound sepsis, pulmonary edema mechanism in (abstr) [Adair & Traber], S175
- cardiopulmonary bypass, filling pressures, optimal, following (abstr) [Mangano & others], S165
- dobutamine effects on in cardiac surgical patients (abstr) [Schneider & others], S110
- dobutamine effects with and without propranolol (abstr) [Rao & others], S154
- dobutamine response in patients taking propranolol (abstr) [Jarman & others], S111
- extubation cardiovascular effects (abstr) [Wohlner & others], S194
- hemodilution, normovolemic, acute (abstr) [Rose & others], S91
- hyperthermia alteration of sympathetic activity (abstr) [Kim & others], S127
- ketamine infusion effects on (abstr) [Wilson & others], S35
- left atrial mean pressure estimation from right heart measurements (abstr) [Yelderman & New], S210
- measurement of, importance of anatomic locations of tips of pulmonary-artery catheters in (clinical report) [Kronberg & others], 467
- methylmethacrylate effects on (abstr) [Johansen & Benumof], S77
- metocurine effects in patients with aortic valvular disease during morphine-diazepam-oxygen anesthesia (abstr) [Zaidan & others], S137
- midazolam effects in cardiac patients (abstr) [Fragen & others], S103
- midazolam, nitrous oxide and, anesthetic induction in ischemic heart disease (abstr) [Samuelson & others], S104
- and myocardial oxygen consumption in man awake and during halothane anesthesia [Sonntag & others], 204
- neostigmine-atropine after coronary-artery bypass grafting (abstr) [Brooks & others], S168
- nitroglycerin, coronary-artery disease hemodynamic responses (abstr) Landry & others, S69
- outflow resistance, left ventricular sensitivity to (abstr) [Schaufler & others], S107
- PEEP effects on lung fluid and protein exchange during pulmonary vascular injury (abstr) [van der Zee & others], S185
- PEEP-induced pulmonary arterial wedge pressure-left atrial pressure gradient, function of absolute left atrial pressure (abstr) [Johansen & Benumof], S183
- PEEP therapy, long-term, and lung water in oleic acid acute respiratory failure (abstr) [de Campo & others], S186
- pericardium effect on (abstr) [Mangano], S126
- and pulmonary arterial wedge pressure, PEEP-induced discrepancy between [Berryhill & Benumof], 303
- pulmonary capillary wedge pressure relation to central venous pressure in cardiac surgery (abstr) [Mangano], S162
- renal hypertensive patients receiving beta-receptor antagonists, hemodynamic effects of anesthesia and surgery (abstr) [Prys-Roberts], S122
- renin release response to dietary sodium (abstr) [Hickey & others], S113
- in reversal of intracardiac shunt, bronchoscopy and (clinical report) [Rao & others], 558
- stress of anesthesia and surgery effects (abstr) [Philbin & others], S121
- sufentanil effects (abstr) [Reddy & others], S102
- tolazoline effects and distribution during hypoxemia (abstr) [Gregory & others], S324
- vasodilator drug effects (abstr) [Johansen & Benumof], S70
- wedge pressure to predict ischemia during CABG (abstr) [Lieberman & others], S59
- vascular resistance, nitroglycerin effects on ventilation-perfusion (abstr) [Colley & others], S372
- ventricle, see also Heart, compliance, ventricular
- ventricles, conduction, halothane effects on (abstr) [Turner & others], S85
- Heating, see under Temperature
- HEAVNER, J. E., see COLLEY, P. S., jt. auth.
- HEDLEY-WHITE, J., see BOUSQUET, F. P., jt. auth.
- Height, see under Anatomy; Pharmacokinetics, uptake
- HEISER, M., STEINBERG, J. J., MACVAUGH, H., III, KLINEBERG, P. L., Bronchial rupture, a complication of use of the Robertshaw double-lumen tube (clinical reports), 88
- HELM, B., see HAWKINS, R. A., jt. auth.
- HELDRICH, M., see SIHN, B., jt. auth. (2)
- Hematoma, see under Blood, anticoagulants; Complications
- Hemodilution, see under Blood
- Hemoglobin, see under Blood
- Hemoptysis, see under Complications
- Hemorrhage
 see also under Blood, loss; Shock
- microvascular responses to, anesthetic effects on (abstr) [Longnecker & Ross], S142
- neonatal, intracranial, following intravenous administration of sodium bicarbonate or saline solution in newborn lamb [Wheeler & others], 517
- HEMLING, R. E., see GIBBS, C. P., jt. auth.
- HENDRICKSON, M. H., see WILSON, R. D., jt. auth.
- HENG, A., see LEE, G., jt. auth.
- HENRIKSEN, E., see ABBOUD, T., jt. auth.
- HENZIG, D., and ROSENBLATT, R., Thrombotic occlusion of a nasotracheal tube (correspondence), 484
- Heparin, see under Blood, anticoagulants; Blood, coagulation
- Hepatic, see Liver
- Hepatotoxicity, see under Liver
- Heredity, see Genetic factors
- HERNÁNDER, M. J., and HAWKINS, R. A., Regional cerebral blood flow during neonatal asphyxia (abstr), S295
- Herpes zoster, see under Infection
- HERR, G., see SIVARAJAN, M., jt. auth.
- HERRIN, T. J., see MCSWAIN, E. C., jt. auth.
- , see WILSON, R. D., jt. auth. (2)
- HEW, E. M., COLE, A. F. D., ROLBIN, S. H., and VIRGINI, S. J., The effect of lateral position and volume on the spread of epidural anesthesia in the parturient (abstr), S300
- , see COLE, A. F. D., jt. auth.
- Hexamethonium, see under Sympathetic nervous system, ganglia
- Hexokinase, see under Brain
- HEYMANN, M., see GREGORY, G. A., HFPPV, see Ventilation, positive end-expiratory pressure, high-frequency positive-pressure ventilation
- HICKEY, P., SLATER, E. E., FAHMY, N. R., and LAPPAS, D. G., Influence of dietary sodium on renin release during anesthesia (abstr), S113
- HICKEY, R. F., see HOAR, P. F., jt. auth.
- HICKS, J. S., A simple pressure-infusion system for blood (correspondence), 364
- High-frequency positive-pressure ventilation, see under Ventilation, positive end-expiratory pressure
- HILBERMAN, M., DERBY, G., SPENCER, R., MYERS, B. D., and STINSON, E. B., The intra-aortic balloon pump and renal function in man (abstr), S166
- HILL, A. B., BOWLEY, G. J., NAIRNWOLD, M. L., KNIGHT, P. R., TAFT, A. R., TAYLOR, M. D., KIRSH, M. M., and DENLINGER, J. K., Intranasal administration of nitroglycerin (abstr), S67

- , NAHRWOLD, M. L., NOONAN, D., and NORTHRPE, P., Does heparin affect potassium values? (abstr), S207
—, see DE ROSAYRO, M., jt. auth.
HILL, G. E., see DIAZ, J. H., jt. auth.
—, see WOHLNER, E. C., jt. auth.
HIMES, R. S., JR., MUNSON, E. S., and EMBRO, W. J., Enflurane requirement and ventilatory response to carbon dioxide during lidocaine infusion in dogs, 131
HINKLEY, R. E., Arrest of cell cleavage by halothane: mechanism of action (abstr), S55
HIRSH, R. A., see LEVENTHAL, S. R., jt. auth.
HIRSHMAN, C. A., DOWNES, H., FARBOOD, A., and BERGMAN, N. A., Ketamine prevents bronchospasm in asthma: mechanisms involved (abstr), S363
—, and EDELSTEIN, G., Intraoperative hyperkalemia and cardiac arrests during renal transplantation in an insulin-dependent diabetic patient (clinical reports), 161
—, LAWYER, C., DOWNES, H., and FARBOOD, A., A methylxanthine aerosol for bronchospasm during anesthesia (abstr), S364
—, LEON, D., BRACKEBUSCH, M., and CASSON, H., Potassium changes following vascular clamp release during renal transplantation (abstr), S135
—, see WEBER, L. A., jt. auth.
Histamine
antagonist, cimetidine, preoperative, acid-aspiration prophylaxis by (clinical report) [Coombs & others], 352
Histamine
BW444U autonomic vs. neuromuscular profile (abstr) [Savarese & Wastila], S279
BW785U autonomic vs. neuromuscular profile (abstr) [Wastila & Savarese], S278
cimetidine prophylaxis of aspiration pneumonitis, dosage schedules (abstr) [Weber & Hirshman], S130
prevention of anaphylaxis from contrast media and (correspondence) [Mitchell], 480
Histamine
release, as side effect of *d*-tubocurarine (clinical report) [Farmer & Sivarajan], 358
HISVARK, O. N., see ZSIGMOND, E. K., jt. auth.
HITT, B. A., see DENSON, D. A., jt. auth.
HLASTALA, M. P., see COLLEY, P. S., jt. auth.
HOAR, P. F., NELSON, N. T., MANGANO, D. T., HICKEY, R. F., and BAINTON, C. R., Adrenergic response to morphine and valium anesthesia (abstr), S105
—, see STONE, J. G., jt. auth.
HOECH, G. P., see ZUKAITIS, M. G., jt. auth.
HOFF, B. H., see RAMPLI, I. J., jt. auth.
—, see SMITH, N. T., jt. auth. (2)
HOFFMAN, G. C., see ENTRESS, A., jt. auth.
HOFFMAN, J. I. E., see ROBINSON, S., jt. auth.
—, see VERRIER, E. D., jt. auth.
HOLADAY, D. A., JARDINES, M. C., and GREENWOOD, W. H., Uptake and biotransformation of aliflurane (1-chloro-2-methoxy-1,2,3,3-tetrafluorocyclopropane, compound 26-p) in man. (clinical reports), 548
—, and SMITH, F. R., Sevoflurane anesthesia and biotransformation in man (abstr), S27
HOLE, P., see OESEBURG, B., jt. auth.
HOLLANDER, D., see VAUGHAN, R. W., jt. auth.
HONG, K., see TRUDELL, J. R., jt. auth.
HOOD, C. I., see GIBBS, C. P., jt. auth. (2)
—, see WYNNE, J. W., jt. auth. (2)
HOOPER, D., see COOMBS, D. W., jt. auth.
Hormones
adrenal
corticosteroid, in aspiration of gastric contents (editorial views) [Churg], 2
corticosteroid, for pneumonitis induced in rabbits by aspiration of foodstuff [Wynne & others], 11
antidiuretic, vasopressin, stress of anesthesia and surgery effects (abstr) [Philbin & others], S121
corticosteroid
foodstuff aspiration, steroid physiologic effects on (abstr) [Wynne & others], S179
pulmonary edema, hemorrhagic, not alleviated by (abstr) [Goldman & others], S178
corticosteroids
epidural, effects on nerves and meninges (abstr) [Delaney & others], S226
cortisol, fentanyl-oxygen anesthesia for coronary-artery operations, response to (abstr) [Stanley & others], S139
insulin
-dependent diabetic patient, hyperkalemia and cardiac arrests during renal transplantation in (clinical report) [Hirshman & Edelstein], 161
glucose-stimulated secretion inhibition by ether in isolated rat pancreas [Gingerich & others], 34
prostaglandins, amobarbital hypothermia mechanism (abstr) [Cohn & others], S249
vasopressin, stress of anesthesia and surgery effects (abstr) [Philbin & others], S121
HORRIGAN, R. W., see ROIZEN, M. F., jt. auth.
HOUWERTJES, M. C., see DURANT, N. N., jt. auth. (2)
HOWLAND, W. S., see CARLSON, G. C., jt. auth.
—, see KAHN, R. C., jt. auth.
HUANG, T. W., see CHENEY, F. W., jt. auth.
HUG, C. C., ALDRETE, J. A., SAMPSON, J. F., and MURPHY, M. R., Morphine anesthesia in patients with liver failure (abstr), S30
—, see McCLEAIN, D. A., jt. auth.
HUG, C. C., JR., see JARMAN, R. H., jt. auth.
HUGHES, S. C., see WARD, M. G., jt. auth.
HUI, S., see BARASH, P. G., jt. auth.
HULSE, D., see CHING, K. S., jt. auth.
Humidification, temperature, body, and, during anesthesia in adults (abstr) [Stone & others], S359
HUMPHREY, D. E., see BOUSQUET, F. P., jt. auth.
HUSUM, B., see RASMUSSEN, J. P., jt. auth.
HUTCHINS, E. B., see LECKY, J. H., jt. auth.
HUTTEL, M., see CHRISTENSEN, K. N., jt. auth.
Hydrolysis, see under Biotransformation (drug)
Hydromorphone, see under Analgesics, narcotic
5-Hydroxytryptamine, see Serotonin
HYMAN, A. I., see ASKANAZI, J., jt. auth.
—, see ROSENBAUM, S. H., jt. auth. (2)
HYNES, M. D., see BERNKOWITZ, B. A., jt. auth.
Hyperbaria, pressure reversal of anesthesia, water requirement (abstr) [Kamaya & Ueda], S15
Hypercapnia, see Acid-base equilibrium, acidosis, respiratory; Carbon dioxide, hypercarbia
Hypercarbia, see under Acid-base equilibrium, acidosis, respiratory; Carbon dioxide
Hyperkalemia, see under Ions, potassium
Hypertension, see under Blood pressure; Complications
Hyperthermia
inadvertent
and muscular dystrophy—similar signs (correspondence) [Ward], 184
recrudescence after survival of initial episode of (clinical report) [Mathieu & others], 454
malignant pyrexia
calcium, sarcolemma, in human (abstr) [Gruener & Blanck], S245
calcium, sarcoplasmic reticulum, halothane present and absent (abstr) [Blanck & others], S246
dantrolene, prophylaxis and therapeusis with (abstr) [Flewelling & Nelson], S248
muscular dystrophy—similar signs (correspondence) [Ward], 184
neurotransmitter effect on muscle (abstr) [Gronert & Milde], S247
recrudescence after survival of initial episode of (clinical report) [Mathieu & others], 454

- temperature, rising, effect on muscle (abstr) [Gronert & Milde], S247
- shunting, pulmonary, with during anesthesia (abstr) [Lees & others], S385
- sympathetic activity altered by (abstr) [Kim & others], S127
- Hyperthyroidism, see under Complications
- Hypnotics
- barbiturates
 - amobarbital, hypothermia, prostaglandin mechanism (abstr) [Cohn & others], S249
 - methohexital, rectal premedication in children, dose comparison study (abstr) [Liu & others], S331
 - pentobarbital, bile duct responses to in dogs (abstr) [Zylanoff & others], S32
 - pentobarbital, brain cAMP response (abstr) [DeBoer & Rall], S21
 - phenobarbital, cyclic adenosine monophosphate metabolism altered by (abstr) [Cohn & Cohn], S45
 - pentobarbital, functional residual capacity reduction causing shunt and low V_a/Q areas (abstr) [Dueck & others], S360
 - pentobarbital, lipid peroxidation in brain with (abstr) [Smith & others], S44
 - pentobarbital, myocardial ischemia, anesthetics in protection from (abstr) [Tinker & Harrison], S58
 - treated rats, hepatic necrosis caused by halothane and hypoxia in [Ross & others], 327
 - benzodiazepines, diazepam, brain evoked potentials altered by (abstr) [Grundy & others], S38
 - diazepam, brain tissue in hypoxic stress not protected by (abstr) [Berntman & others], S202
 - diazepam, given in conjunction with spinal anesthesia, effect of age on pharmacokinetics of (clinical report) [Kanto & others], 154
 - diazepam, -induced postanesthetic somnolence reversal of with physostigmine (clinical report) [Bidwai & others], 256
 - diazepam, memory, murine, and (abstr) [Amirdivani & others], S49
 - diazepam, metocurine effects in patients with aortic valvular disease during anesthesia (abstr) [Zaidan & others], S137
 - diazepam, midazolam hemodynamic effects in cardiac patients compared with (abstr) [Fragen & others], S103
 - diazepam, and midazolam maleate, cardiovascular responses to [Jones & others], 430
 - diazepam, morphine with, adrenergic response to (abstr) [Hoar & others], S105
 - diazepam, and morphine, analgesic action and pharmacokinetics of [Yang & others], 495
 - diazepam, physostigmine reversal (abstr) [Garber & others], S37
 - diazepam, respiratory effects, comparison with midazolam (abstr) [Forster & others], S383
 - diazepam, sedation induced by, naloxone does not antagonize (correspondence) [Christensen & Hüttel], 187
 - lorazepam, brain circulatory and metabolic responses to (abstr) [Rockoff & others], S42
 - lorazepam, intracranial pressure and CO_2 retention responses to in cats with intracranial hypertension (abstr) [Gagnon & others], S39
 - midazolam, gamma-aminobutyric acid and in rat brain synaptosomes (abstr) [Cheng & Brunner], S43
 - midazolam, hemodynamic effects in cardiac patients (abstr) [Fragen & others], S103
 - midazolam maleate, and diazepam, cardiovascular responses to [Jones & others], 430
 - midazolam, nitrous oxide and, anesthetic induction in ischemic heart disease patients (abstr) [Samuelson & others], S104
 - midazolam, pharmacokinetics, steady-state (abstr) [Sarnquist & others], S41
 - midazolam, respiratory effects, comparison with diazepam (abstr) [Forster & others], S383
 - diazepam, and ketamine, vs. morphine in heart-valve replacement [Dhadphale & others], 200
- Hypotension, see under Anesthetic techniques, hypotension, induced; Blood pressure; Complications; Position; Shock
- Hypothermia, see also under Anesthetic techniques; Temperature
- Hypothermia
- amobarbital, prostaglandin mechanism (abstr) [Cohn & others], S249
 - cardiopulmonary bypass, rewarming on, heat dosage vs. distribution during (abstr) [Noback & Tinker], S134
 - d*-tubocurarine neuromuscular blockade in man during (abstr) [Ham & others], S284
 - and neuromuscular blockade (correspondence) [Feldman], 369
 - thiopental and synergistic EEG suppression (abstr) [Quasha & others], S20
- Hypoxia
- Artic Institute's First Symposium on (report of scientific meeting) [Sarnquist], 278
 - changing arterial oxygen tension and (editorial views) [Fairley], 492
 - fetal
 - brain blood flow, pressure passive, in non-asphyxiated fetus (abstr) [Pash & others], S293
 - ketamine effects on brain blood flow in asphyxiated fetus (abstr) [Pickering & others], S294
 - $^2\text{H}^3\text{H}$, bioactivation and hepatotoxicity (abstr) [Sipes & Gandolfi], S242
 - and halothane
 - hepatic necrosis caused by, in phenobarbital-treated rats [Ross & others], 327
 - hepatotoxicity model (abstr) [Brown & others], S239
 - halothane metabolite, enzymatic defluorination (abstr) [Denson & others], S240
 - liver, in halothane exposure [McLain & others], 321
 - neonatal, brain blood flow, regional, during asphyxia (abstr) [Hernández & Hawkins], S295
 - preoxygenation technique, four-breath (abstr) [Gold & Muravchick], S358
 - pulmonary vasoconstriction and regional and whole-lung PEEP [Benumof & others], 503
 - tolazoline effects on intravascular pressures and cardiac output and distribution during (abstr) [Gregory & others], S324
 - tracheal obstruction, oxygenation with air or oxygen after (abstr) [Turk & others], S357
 - vasodilator drug effects on pulmonary and systemic circulations (abstr) [Johansen & Benumof], S70
- HYSLOP, N., see MATHIEU, A., jt. auth.
- Immune response
- halothane immunosuppression in tumor-bearing mice (abstr) [Lewis & others], S252
 - virus growth, halogenated anesthetic alteration (abstr) [Knight & others], S253
- IMV, see Ventilation, intermittent mandatory
- Induced hypothermia, see Anesthetic techniques, hypothermia, induced
- Induction
- anesthesia
 - chemotaxis responses of polymorphonuclear leukocytes to (abstr) [Mathieu & others], S56
 - diazepam and midazolam maleate for, cardiovascular responses to [Jones & others], 430
 - EEG, human, during thiopental or althesin (abstr) [Smith & others], S6
 - fentanyl, rigidity and hypercarbia with (abstr) [Comstock & others], S28
 - midazolam and nitrous oxide for in ischemic heart disease (abstr) [Samuelson & others], S104
 - pediatric, cardiovascular performance, enflurane and halothane comparison (abstr) [Barash & others], S315
 - preoxygenation technique, four-breath (abstr) [Gold & Muravchick], S358

- enzymes, and halothane-induced hepatotoxicity [McLain & others], 321
- Infants, see Anesthesia, obstetric; pediatric
- Infarction, myocardial, see under Complications, myocardial
- Infection
- herpes zoster, neuralgia treatment by epidural injection or stellate ganglion block (abstr) [Bauman], S223
 - peridural anesthesia, lumbar and caudal, bacteriologic comparison (abstr) [Abouleish & others], S305
 - pulmonary, filters, bacterial gas in anesthesia circuit, failure to reduce (abstr) [Pace & others], S362
- septicemia
- fentanyl-oxygen anesthesia for septic shock (abstr) [Stanley & Reddy], S100
 - muscle water and electrolytes in injury and infection (abstr) [Askanazi & others], S196
 - virus, halogenated anesthetic alteration of growth (abstr) [Knight & others], S253
- INGRAM, J. K., and MILLER, J. D., Plastic absorption adsorption of nitroglycerin solution (abstr), S132
- INGVAR, M., and SHAPIRO, H. M., Heterogeneous local brain metabolic events during lidocaine seizures (abstr), S229
- , see GAGNON, R. L., jt. auth.
- , see ROCKOFF, M., jt. auth.
- Inhalational anesthetics, see Anesthetics, gases; Anesthetics, volatile
- Inherited defects, see Genetic factors
- Insulin, see under Hormones; Metabolism
- Intensive care
- see also Ventilation, mechanical
- Intensive care
- elective admission, benefits for certain operations (abstr) [Teplick & others], S150
- neonatal
- oxygen electrode, transcutaneous, applications (abstr) [Roaf & others], S296
 - pancuronium reversal (abstr) [Goudsouzian & others], S329
 - weaning, physical ventilatory conditions in (abstr) [Belani & others], S330
- training, simulation, for physicians and nurses (abstr) [Poulton & Powell], S350
- Interactions (drug)
- see also Antagonists, narcotic; Antagonists, neuromuscular relaxants; Pharmacology
- 4-aminopyridine, anticholinesterase, *in vitro* (abstr) [Foldes & others], S289
- bupivacaine-chloroprocaine mixture (abstr) [Galindo & Witcher], S213
- bupivacaine-dextran, nerve block duration with (abstr) [Curtiss & Scurlock], S214
- chloroprocaine-bupivacaine mixture (abstr) [Galindo & Witcher], S213
- dextran-bupivacaine, nerve block duration with (abstr) [Curtiss & Scurlock], S214
- dextran-local anesthetic, nerve block duration with (abstr) [Buckley & Fink], S215
- local anesthetic-dextran, nerve block duration with (abstr) [Buckley & Fink], S215
- nitroglycerin, -pancuronium, in prolongation of neuromuscular blockade [Glisson & others], 47
- pancuronium
- nitroglycerin, in prolongation of neuromuscular blockade [Glisson & others], 47
 - potentiation of metocurine or *d*-tubocurarine block (abstr) [Lebowitz & others], S283
- succinylcholine dosage, pretreatment with nondepolarizing muscle relaxants affects (abstr) [Konchigeri & Tummuru], S276
- Intermittent mandatory ventilation, see under Ventilation
- Internal jugular vein, see under Veins, jugular
- Intestine, see under Gastrointestinal tract
- Intra-aortic balloon pump, see under Equipment, pump, balloon
- Intracranial pressure, see under Cerebrospinal fluid, pressure
- Intraocular pressure, see under Eye(s)
- Intubation
- endobronchial, intraoperative obstruction of endobronchial tubes in (clinical report) [Job & others], 550
- endotracheal
- complications in, in congenital fusion of jaws (clinical report) [Alfrey & others], 340
 - complications, of oxygen supplementation during, in infants (correspondence) [Cork & others], 186
 - complications, pressure on tracheal wall caused by tube tip (abstr) [Benumof & others], S193
 - complications, tracheobronchopathica osteochondroplastica diagnosed as result of (clinical report) [Wagner & Barron], 269
- indications for, in airway difficulty in acromegalic patient (clinical report) [Southwick & Katz], 72
- technique, difficulty in, in obstetric anesthesia (correspondence) [Marx & Finster], 364
- technique, in infants, oxygen supplementation during (correspondence) [Cork & others], 186
- technique for tube placement, new retractor in (correspondence) [Chester], 274
- nasogastric, technique, new (correspondence) [Ohn & Wu], 568
- INTURRISI, C. E., see YAKSH, T. L., jt. auth.
- Inulin, see under Kidney, diuretics
- Ions
- arsenic, chronic poisoning with, as anesthetic problem (clinical report) [Rees & others], 84
 - bromide, in anesthetists exposed to halothane [Duvaldestin & others], 41
- calcium
- coagulation-fibrinolytic system, intravenous calcium chloride and (abstr) [Fahmy & Lappas], S117
 - EGTA, verapamil and, muscle responses to *in vitro* (abstr) [Bikhazi & others], S275
 - enflurane effects on in sarcoplasmic reticulum (abstr) [Conahan & Blanck], S146
 - lung vascular response to acute increase (abstr) [Lappas & others], S172
- malignant hyperthermia, sarcolemmal concentrations (abstr) [Gruener & Blanck], S245
- malignant hyperthermia, sarcoplasmic reticulum, halothane present and absent (abstr) [Blanck & others], S246
- plasma concentration of, and duration of Q-T interval [Scheidegger & Drop], 143
- serum, succinylcholine and (correspondence) [Glomaud], 567
- d*-tubocurarine block, stimulation and reversal *in vivo* (abstr) [Foldes & others], S286
- electrolyte balance
- glucose control in normal and obese surgical patients (abstr) [McLeskey & others], 51: S250
 - hypoosmolarity contribution to spinal anesthesia (abstr) [Barsa & others], S221
 - local anesthetic block potentiated by electrolyte depletion (abstr) [Fink & others], S220
- fluoride
- excretion, in halothane-induced hepatotoxicity [McLain & others], 321
 - halothane metabolite, enzymatic defluorination (abstr) [Denson & others], S240
 - isoniazid metabolites and anesthetic metabolism (abstr) [Fish & Rice], S256
- osmolarity
- hypoosmolarity contribution to spinal anesthesia (abstr) [Barsa & others], S221
 - local anesthetic block potentiated by hypoosmotic neural swelling (abstr) [Fink & others], S220
- potassium
- content of nerves after incubation in electrolyte-deficient media of various degrees of hypo-osmolarity [Fink & others], 418

- glucose and insulin promotion of potassium repletion in hypokalemic dogs (abstr) [Kawamura & others], S119
 heparin effect on in serum (abstr) [Hill & others], S207
 hyperkalemia, and cardiac arrests during renal transplantation in insulin-dependent diabetic patient (clinical report) [Hirshman & Edelstein], 161
 hypokalemia, chronic, and epinephrine-induced dysrhythmias during anesthesia (abstr) [Wong & others], S118
 hypothermia, prolonged, serum levels in (abstr) [Koh & others], S202
 increase, in serum, following succinylcholine administration in patients with closed head injury (clinical report) [Stevenson & Birch], 89
 local anesthetic block potentiated by hypoosmotic neural swelling and electrolyte depletion (abstr) [Fink & others], S220
 renal transplantation, vascular clamp release followed by changes in potassium (abstr) [Hirshman & others], S135
 trauma and transfusion, hypokalemia after (abstr) [Shin & others], S206
 sodium
 content of nerves after incubation in electrolyte-deficient media of various degrees of hypo-osmolarity [Fink & others], 418
 dietary, renin response during anesthesia (abstr) [Hickey & others], S113
 local anesthetic block potentiated by hypoosmotic neural swelling and electrolyte depletion (abstr) [Fink & others], S220
- ISHIKAWA, T., see KURAMOTO, T., jt. auth.
- Isoflurane, see under Anesthetics, volatile
- Isoproterenol, see under Heart; Sympathetic nervous system, sympathomimetic agents
- IZANT, R. J., see CRUMRINE, R. S., jt. auth.
- JABLONSKI, J., see DHAMEE, jt. auth.
 —, see WHITESELL, R., jt. auth.
- JACKSON, A. P. F., see DHADPHALE, P. R., jt. auth.
- JACOBS, H. K., LIEPONIS, J. V., BARBER, M. J., SALEM, M. R., and BUNCH, W. H., Spinal cord hemodynamics during deliberate hypotension (abstr), S80
- JACOBY, R. M., see WOHLNER, E. C., jt. auth.
- JAFFE, C., see BARASH, P. G., jt. auth.
- JAFFE, C. C., see FIRESTONE, S., jt. auth.
- JAMES, F. M., DEWAN, D. M., FLOYD, H. M., WHEELER, A. S., RHYNE, L., GRANT, W. M., and WESTMORELAND, R. T., Local anesthetics in cesarean section epidural analgesia (abstr), S310
 —, see POULTON, T. J., jt. auth.
 —, see SNYDER, S. W., jt. auth.
 —, see WHEELER, A. S., jt. auth.
- JAMES, R., see SNYDER, E. L., jt. auth.
- JANE, J. A., see DELANEY, T. J., jt. auth.
- JANSEN, E. C., and HANSEN, P. H., Objective treatment of succinylcholine-induced fasciculations and the effects of pre-treatment with pancuronium or gallamine (clinical reports), 159
- JARDINES, M. C., see HOLADAY, D. A., jt. auth. (2)
- JARMAN, R. H., BROOKS, J. L., JR., KAPLAN, J. A., and HUG, C. C., JR., Dobutamine response in patients taking propranolol (abstr), S111
 —, see BROOKS, J. L., jt. auth.
- JASPER, N., see MAZZARELLI, M., jt. auth.
- JEE, R., see BROWN, B. R., jt. auth.
- JOB, C. A., BETCHER, A. M., PEARSON, W. T., and FERNANDEZ, M. A., Intraoperative obstruction of endobronchial tubes. (clinical reports), 550
 —, SCHWARTZ, A. J., and ELLISON, N., Teaching central venous cannulation of pediatric patients (abstr), S346
- JOBES, D. R., SCHWARTZ, A. J., ELLISON, N., ANDREWS, R., RUFFINI, R., and RUFFINI, J., Monitoring anticoagulation and reversal—effect on blood loss (abstr), S167
 —, see LIEBERMAN, R. W., jt. auth. (2)
 —, see SCHWARTZ, A. J., jt. auth.
- JOHANSON, C. E., and WONG, K. C., Permeability and vascularity of the developing brain: cerebellum vs cerebral cortex (abstr), S147
- JOHANSEN, I., and BENUMOF, J. L., Flow distribution in abnormal lung as a function of F_1O_2 (abstr), S369
 —, and BENUMOF, J. L., Methylmethacrylate: a myocardial depressant and peripheral dilator (abstr), S77
 —, and BENUMOF, J. L., PEEP induced P_{aw} - P_{in} gradient: function of absolute P_{in} (abstr), S183
 —, and BENUMOF, J. L., Pulmonary and systemic circulations and vasodilator drugs (abstr), S70
 —, see MEATHE, E. A., jt. auth.
- JOHANSEN, R., see REDDY, P., jt. auth.
- JOHANSEN, R. K., see KAWAMURA, R., jt. auth.
- JOHNSON, J. L., see CRAFT, J. B., jt. auth.
- JONES, A. E. P., and CROLEY, T. F., Morquio syndrome and anesthesia (clinical reports), 261
- JONES, D. J., STEHLING, L. C., and ZAUDER, H. L., Cardiovascular responses to diazepam and midazolam maleate in the dog, 430
- JONES, R. H., see LUQUE, J., jt. auth.
- JONES, W., see MATHRU, M., jt. auth.
- JORDAN, W. S., and WESTENSKOW, D. R., Microprocessor control of ventilation using carbon dioxide production (abstr), S380
- JOYCE, T. H., III, DEBNATH, K. S., and BAKER, E. A., Preeclampsia—relationship of CVP & epidural analgesia (abstr), S297
- Jugular vein, see under Veins
- KAHN, R. C., HOWLAND, W. S., and CARLON, G. C., A twenty-five year review of operating mortality (abstr), S350
 —, see CARLSON, G. C., jt. auth.
- KAIKO, R. F., see YAKSH, T. L., jt. auth.
- KAMAYA, H., and UEDA, I., Pressure reversal of anesthesia requires water (abstr), S15
- KAMPINE, J. P., see BACHHUBER, S. R., jt. auth.
 —, see TURNER, L. A., jt. auth.
- KANAREK, B., see MORITA, K., jt. auth.
- KANTO, J., MÄENPÄÄ, M., MÄNTYLÄ, R., SELLMAN, R., and VALOVIRTA, E., Effect of age on the pharmacokinetics of diazepam given in conjunction with spinal anesthesia (clinical reports), 154
- KAPLAN, J. A., see BROOKS, J. L., jt. auth.
 —, see JARMAN, R. H., jt. auth.
 —, see ZAIDAN, J. R., jt. auth.
- KARIS, J. H., BURTON, L. W., KARIS, J. P., and KLEIN, F. F., High electrode impedance as a cause of ekg distortion (abstr), S120
 —, see O'NEAL, F. O., jt. auth.
- KARIS, J. P., see KARIS, J. H., jt. auth.
- KATHIRITHAMBY, K. S., see BRYAN-BROWN, C. W., jt. auth.
- KATZ, J., and LEVIN, A. B., Long-term follow-up study of chemical hypophysectomy and additional cases (clinical reports), 167
 —, NELSON, W. L., FOREST, R., BRUCE, D. L., and PETERS, R. M., Prolonged post thoracotomy analgesia by cryoprobe nerve block (abstr), S233
 —, see SOUTHWICK, J. P., jt. auth.
- KATZ, J. A., ZINN, S. E., OZANNE, G. M., and FAIRLEY, H. B., Components of PEEP-induced lung-thorax volume increase (abstr), S361
 —, KATZ, J. D., see BARASH, P. G., jt. auth.
- KATZ, R. L., and BERCI, G., The optical stylet—a new intubation technique for adults and children with specific reference to teaching (clinical reports), 251
 —, see DURANT, N. N., jt. auth.
- KAWAMURA, R., WONG, K. C., TSENG, C-K, OHMURA, A., and JOHANSEN, R. K., Potassium repletion in hypokalemic dogs aided by glucose and insulin (abstr), S119
- KEATS, A. S., Inter-
- KEERI-SZANTO, M., 572
- KEMMOTSU, O., see
- KENDIG, J. J., and LENT actions?
- KENEPP, N. B., and block for an-
- KENNEDY, R. L., ER TURNER, T., transplacent-
- Ketamine, see unde-
- KEYRIAH, M. M., carniotomy i-
- KHAMBATTA, H. J., ing anesthe- induced hyp-
- , STONE, J. G., side-influenced
- , see MAETTEO,
- KHAN, E., see KHAN
- Kidney
 blood flow
 autoregulation
 morphine effe-
- S140
 potassium ch-
- transplantati-
- diuretics
 inulin, brain,
 cerebellum v-
- S147
 mannitol, brain
 cerebellum v-
- S147
- failure
 enflurane effec- enflurane and
 S262
- methoxyburan- others, S263
- pharmacokinet [Cronnelly &
 postoperative,
 function
 enflurane effec- intra-aortic bal-
- S166
 mechanical venti- dogs (abstr)
 in newborns a- gesis for labo-
- 464
- ORG-NC₄₅, pa- [Durant & o- and pharmac- [Cronnelly &
 postoperative, metabolism, ORG
 (abstr) [Dura- transplan-
- S24
 pharmacokinet going [Cron- potassium char- [Hirshman &
 urine
 potassium after- & others], S9
- KIKER, R. G., see W-
- KIKUCHI, H., see N-
- , see OHTANI, N-

- KEATS, A. S., Interpretation of data (correspondence), 180
KEERI-SZANTO, M., Clinical studies in children (correspondence), 572
KEMMOTSU, O., see SHIMOSATO, S., jt. auth.
KENDIG, J. J., and ERICKSON, N., Lidocaine and benzocaine: different actions? (abstr), S219
KENNEDY, R. L., EREBBERG, A., ROBILLARD, J. E., MERKOW, A., and TURNER, T., Effects of changes in maternal-fetal pH on the transplacental equilibrium of Bupivacaine, 50
Ketamine, see under Anesthetics, intravenous
KEYRAH, M. M., and ROSENBERG, H., Bilateral footdrop after carniotomy in the sitting position (clinical reports), 163
KHAMBATTA, H. J., STONE, J. G., and KHAN, E., Hypertension during anesthesia on discontinuation of sodium nitroprusside-induced hypotension, 127
—, STONE, J. G., and KHAN, E., Propranolol abates nitroprusside-induced renin release (abstr), S74
—, see MATTEO, R. S., jt. auth.
KHAN, E., see KHAMBATTA, H. J., jt. auth. (2)
Kidney
 blood flow
 autoregulation during anesthesia (abstr) [Birch & Boyce], S123
 morphine effect in conscious dogs (abstr) [Priano & Vatner], S140
 potassium changes following vascular clamp release during transplantation (abstr) [Hirshman & others], S135
 diuretics
 inulin, brain, developing, permeability and vascularity, cerebellum vs. cerebral cortex (abstr) [Johanson & Wong], S147
 mannitol, brain, developing, permeability and vascularity, cerebellum vs. cerebral cortex (abstr) [Johanson & Wong], S147
 failure
 enflurane effect (abstr) [Goldman & others], S24
 enflurane and gentamicin in chronic (abstr) [Fish & others], S262
 methoxyflurane, deuterated, anesthesia with (abstr) [Baden & others], S263
 pharmacokinetics of neostigmine in anesthetized man with [Cronnelly & others], 222
 postoperative, in trauma patients [Shin & others], 218
function
 enflurane effect (abstr) [Goldman & others], S24
 intra-aortic balloon pump and (abstr) [Hilberman & others], S166
 mechanical ventilation and PEEP, long-term, effects on in dogs (abstr) [Berry & others], S187
 in newborns and mothers exposed to methoxyflurane analgesia for labor and delivery (clinical report) [Clark & others], 464
ORG-NC₄₅, pancuronium and, renal elimination (abstr) [Durant & others], S266
and pharmacokinetics of neostigmine in anesthetized man [Cronnelly & others], 222
 postoperative, in trauma patients [Shin & others], 218
metabolism, ORG-NC₄₅, pancuronium and, renal elimination (abstr) [Durant & others], S266
transplantation, enflurane effect (abstr) [Goldman & others], S24
 pharmacokinetics of neostigmine in anesthetized man undergoing [Cronnelly & others], 222
 potassium changes following vascular clamp release (abstr) [Hirshman & others], S135
urine
 potassium after potassium cardioplegia in man (abstr) [Azar & others], S96
KIKER, R. G., see WALKER, J. A., jt. auth.
KIKUCHI, H., see NAMIKI, A., jt. auth.
—, see OHTANI, M., jt. auth.
- KIM, S., see FAN, F. C., jt. auth.
KIM, S. H., see ABBOUD, T., jt. auth.
KIM, Y. D., LEES, D. E., LAKE, C. R., BULL, J. M., WEISE, V., KOPIN, I. J., and MACNAMARA, T. E., Hyperthermic alteration of sympathetic activity (abstr), S127
—, see LEES, D. E., jt. auth.
KIM, Y. L., see RICHMAN, K. A., jt. auth.
KIMURA, T., see TOUNG, T., jt. auth.
KINNEY, J. M., see ASKANAZI, J., jt. auth. (2)
—, see ROSENBAUM, S. H., jt. auth. (2)
KIRSH, M. M., see DEROSAYRO, M., jt. auth.
—, see HILL, A. B., jt. auth.
KISSIN, I., Coronary dilators increasing O₂ demand and myocardial ischemia (abstr), S163
KISTNER, J. R., see MILLER, E. D. JR., jt. auth.
KITAHATA, L. M., see DOHI, S., jt. auth. (2)
—, see NAMIKI, A., jt. auth.
—, see OHTANI, M., jt. auth.
KLEIN, E. F., see KUSHINS, L. G., jt. auth.
KLEIN, F. F., see KARIS, J. H., jt. auth.
KLEIN, S. L., and KLEIN, V. L., The electroencephalogram under fentanyl-N₂O anesthesia (abstr), S3
KLEIN, V. L., see KLEIN, S. L., jt. auth.
KLEINMAN, C. S., see BARASH, P. G., jt. auth.
—, see FIRESTONE, S., jt. auth.
KLINEBERG, P. L., AUKBURG, S. J., BARTKOWSKI, R. R., GREENHOW, D. E., ROSENBERG, H., ANDREWS, R., and ROBERTS, B., Infrarenal aortic cross-clamping (abstr), S388
—, see BARTKOWSKI, R. R., jt. auth.
—, see HEISTER, M., jt. auth.
KLIPPEL, A. T., and ANDERSON, C. B. (eds.), *Manual of Emergency and Outpatient Techniques* (book review), 583
KNIGHT, P. R., NAHRWOLD, M. L., COHEN, P. J., and GAYMER, J. A., Alteration of virus growth by halogenated anesthetics (abstr), S253
—, see BEDOWS, E., jt. auth.
—, see HILL, A. B., jt. auth.
KNOKE, J. D., see SCHNEIDER, A. J. L., jt. auth.
KOBLIN, D. D., DONG, D. E., DEADY, J. E., EGER, E. I., The breeding of mice resistant to and susceptible to nitrous oxide anesthesia (abstr), S17
KOEHINTOP, D. E., see LIAO, J. C., jt. auth.
KOFF, S. A., see LIEDING, K. G., jt. auth.
KOHLENBERGER, R. W., see RAY, K. F., jt. auth.
KOIT, A., CERULLO, L. J., LAND, P. C., and LINDE, H. W., Serum potassium levels during prolonged hypothermia (abstr), S203
KONCHIGERI, H. N., and TUMMURU, K. R., Pretreatment with non-depolarizing muscle relaxants and dosage of succinylcholine (abstr), S276
KOPIN, I. J., see KIM, Y. D., jt. auth.
KOPMAN, A. F., Edrophonium antagonism of pancuronium-induced neuromuscular blockade in man: a reappraisal, 139
KOREIN, J., *Brain Death: Interrelated Medical and Social Issues* (book review), 490
KOSEK, J. C., see BADEN, J. M., jt. auth.
KOTHARY, S. P., see ZSIGMOND, E. K., jt. auth.
KOUCHOUKOS, N. T., see REVES, J. G., jt. auth.
KREUL, J. F., and ATLEE, J. L., Pancuronium enhances A-V conduction in anesthetized dogs (abstr), S86
KRISCHER, J. P., see BOYSEN, P. G., jt. auth.
KRONBERG, G. M., QUAN, S. F., SCHLOBOHM, R. M., LINDAUER, J. M., and GOODMAN, P. C. (clinical reports), 467
KRYC, J. J., see CORK, R. C., jt. auth.
KUCK, E. J., see GIBBS, C. P., jt. auth.
KUMON, K., see SHIMADA, Y., jt. auth.
KURAMOTO, T., OSHITA, S., TAKESHITA, H., and ISHIKAWA, T., Modification of the relationship between cerebral metabolism, blood flow, and electroencephalogram by stimulation during anesthesia in the dog, 211
KUSHINS, L. G., KLEIN, E. F., BOYSEN, P. G., and MODELL, J. H., A

- medical student course in mechanical ventilation (abstr), S344
- KUSHINS, L. G., see MUNSON, E. S., jt. auth.
- KWANT, G., see OSEBURG, B., jt. auth.
- Lactate, see under Brain; Hypoxia; Metabolism; Muscle, skeletal
- Lactate dehydrogenase, see under Enzymes
- LAKE, C. R., see KIM, Y. D., jt. auth.
- LAMB, J., see BARSA, J., jt. auth.
- LAND, P. C., OWEN, E. L., and LINDE, H. W., Mouse sperm morphology following exposure to anesthetics during early spermatogenesis, S259
- , see KOHT, A., jt. auth.
- LANDRY, L. D., PHILBIN, D. M., EMERSON, C. W., VERLEE, T. R., and LEVINE, F. H., Hemodynamic effects of intravenous nitroglycerin in patients with coronary artery disease (abstr), S69
- LANE, G. A., NAHRWOLD, M. L., TAIT, A. R., TAYLOR, M. D., BEAUDOIN, A. R., and COHEN, P. J., Nitrous oxide is teratogenic: Xenon is not, S260
- , see LIEDING, K. G., jt. auth.
- LANE, P. E., SAVARAJAN, M., MILLER, E., LIU, P., WILLEKEN, R., and HERN, G., Common errors during resident performance of continuous lumbar epidural analgesia (abstr), S343
- LANE, P. E., see SAVARAJAN, M., jt. auth.
- LAPPAS, D. G., FAHMY, N. R., OHTAKA, M., MOSS, J., and SLATER, E. E., Interaction of renin-angiotensin-catecholamines in cardiac surgical patients (abstr), S98
- , VERLEE, T., SCHNEIDER, R., DROP, L. J., and LAVER, M. B., Effects of an acute increase in $[Ca^{++}]$ on pulmonary vasculature (abstr), S172
- , see FAHMY, N. R., jt. auth. (3)
- , see HICKEY, P., jt. auth.
- , see SCHNEIDER, R. C., jt. auth.
- , see THOMSON, I. R., jt. auth.
- , see WATKINS, W. D., jt. auth.
- LARSEN, E. R., see McCARTY, L. P., jt. auth.
- LARSON, C. P., A renewed venture (editorial views), 194
- Laryngospasm, see under Complications
- Larynx, competence, after tracheal extubation (clinical report) [Burgess & others], 73
- Laser surgery, see under Surgery
- LATYSHEVSKY, H., see WHEELER, A. S., jt. auth.
- LAU, S-S., see CONKLIN, K. A., jt. auth.
- LAVER, M. B., see deBROS, F., jt. auth. (2)
- , see LAPPAS, D. G., jt. auth.
- LAWES, H. L., see GELMAN, S., jt. auth.
- LAWYER, C., see HIRSHMAN, C. A., jt. auth.
- LEBOWITZ, P. W., RAMSEY, F. M., SAVARESE, J. J., and ALI, H. H., A marked potentiating effect in man of combined pancuronium and metocurine or pancuronium and d-tubocurarine neuromuscular blockade (abstr), S283
- LECKY, J. H., MURPHY, F. L., GREENHOW, D. E., and HUTCHINS, E. B., Resident evaluation of staff teaching (abstr), S389
- LEE, A. G., A consumers' guide to models of local anesthetic action, (medical intelligence), 64
- LEE, B. C., see VAN DER ZEE, H., jt. auth.
- LEE, C., DURANT, N., HENG, A., and KATZ, R. L., Prejunctional neuromuscular block in vivo (abstr), S273
- , DURANT, N. N., and KATZ, R. L., Mechanism of neomycin-induced neuromuscular block (abstr), S285
- , see DURANT, N. N., jt. auth.
- LEE, J. J., Another indication for an epidural blood patch (correspondence), 96
- LEE, J. S., see BRUCE, D. L., jt. auth.
- LEE, M. M. L., see CHEN, R. Y. Z., jt. auth.
- LEES, D. E., KIM, Y. D., and MACNAMARA, T. E., Pulmonary shunting with hyperthermia under anesthesia (abstr), S385
- , see KIM, Y. D., jt. auth.
- LEININGER, R. W., see WUEST, H. P., jt. auth.
- LELL, W. A., see REVES, J. G., jt. auth. (2)
- LEON, D., see HIRSHMAN, C. A., jt. auth.
- Leukocytes, see under Blood
- LEVENTHAL, S. R., ORKIN, F. K., and HIRSH, R. A., Predicting postoperative ventilatory need in myasthenia (abstr), S151
- LEVIN, A. B., see KATZ, J., jt. auth.
- LEVINE, F. H., see LANDRY, L. D., jt. auth.
- LEVINE, L., see WATKINS, W. D., jt. auth.
- LEVISON, G., see ABOUD, T., jt. auth.
- , see ROLBIN, S. H., jt. auth.
- , see WARD, M. G., jt. auth.
- Levorphanol, see under Analgesics, narcotic
- LEW, E. A., Mortality experience among anesthesiologists, 1954-1976, 195
- LEWIS, R. E., CRUSE, J. M., and HAZLEWOOD, J., Halothane immunosuppression in tumor-bearing mice (abstr), S252
- LEWIS, S. B., see McLESKEY, C. H., jt. auth.
- LIAO, J. C., KOEHNTOPI, D. E., and BUCKLEY, J. J., Dual effect of ketamine on the peripheral vasculature (abstr), S116
- LICHTENTHAL, P., see WILKINSON, C. J., jt. auth.
- Lidocaine, see under Anesthetics, local; Heart, arrhythmias
- LIEBERMAN, R. W., JOBES, D. R., SCHWARTZ, A. J., and ANDREWS, R. W., Incidence of ischemia during CABG using halothane (abstr), S90
- , SCHWARTZ, A. J., JOBES, D. R., OMINSKY, A. J., and ANDREWS, R. W., Wedge pressure as a predictor of ischemia during cabg (abstr), S59
- LIEDING, K. G., STEUDE, G. M., KOFF, S. A., SOLOLOMON, M. L., and LANE, G. A., Enflurane vs. halothane for urodynamic studies (abstr), S314
- LIEPONIS, J. V., see JACOBS, H. K., jt. auth.
- LIGHTMAN, S., see BEVAN, D. R., jt. auth.
- LIM, R., see GLISSON, S. N., jt. auth.
- LINDAUER, J. M., see KRONBERG, C. M., jt. auth.
- LINDE, H. W., MESNICK, P. S., and SMITH, N. J., Causes of death of anesthesiologists, 1930-1946 (abstr), S335
- , see BEHNIA, R., jt. auth.
- , see KOHT, A., jt. auth.
- , see LAND, P. C., jt. auth.
- LINDHOLM, C.-E., Minimizing sore throat (correspondence), 487
- LINNAN, M., see GELMAN, S., jt. auth.
- , see REVES, J. G., jt. auth.
- , see SAMUELSON, P. N., jt. auth.
- , see SLOCUM, H. C., jt. auth.
- Lipid, see under Metabolism; Solubility
- Lipid bilayers
- see under Membrane
- lidocaine partition coefficients (abstr) [Trudell & others], S13
- LIPSET, J. S., see PANG, L. M., jt. auth.
- LIPSKY, M., see SAKLAD, M., jt. auth.
- Liquid chromatography, see under Measurement techniques, chromatography
- LISTER, G., see GREGORY, G. A., jt. auth.
- LIU, L. M. P., GOUDSOUZIAN, N. G., and LIU, P., Rectal methohexitol premedication in children: a dose comparison study (abstr), S331
- LIU, P., see LANE, P. E., jt. auth.
- , see LIU, L. M. P., jt. auth.
- , see SIVARAJAN, M., jt. auth.
- LIU, W., see REDDY, P., jt. auth.
- Liver
- bile duct pressure, anesthetic effects on in dogs (abstr) [Zylanoff & others], S32
- disease
- interaction of PCB and halothane as causative factor in (correspondence) [Zauder], 95
- morphine for anesthesia (abstr) [Hug & others], S30
- failure, morphine for anesthesia (abstr) [Hug & others], S30
- function
- after cholecystectomy or hysterectomy in patients receiving halothane, enflurane, or fentanyl, LDH₅ changes as indicator of (clinical report) [Viegas & Stoelting], 556
- morphine for anesthesia with abnormal (abstr) [Hug & others], S30

- ORG-NC₄₅, pancuronium and, hepatic elimination (abstr) [Durant & others], S267
- glutathione, in halothane anesthesia and hypoxia in phenobarbital-treated rats [Ross & others], 327
- Liver
- hepatotoxicity
 - halothane, ³H³H (abstr) [Sipes & Gandolfi], S242
 - halothane, hypoxic model for (abstr) [Brown & others], S239
 - halothane, metabolites, reductive, reactivity (abstr) [Denson & Ford], S243
 - halothane-induced [McLain & others], 321
 - halothane-induced, in hyperthyroid rats (abstr) [Wood & others], S244
 - halothane-induced peroxidation measure by pentane expiration (abstr) [O'Neal & others], S255
- metabolism
- halothane, SGOT values following (correspondence) [Nawaf & Stoelting], 185
 - ORG-NC₄₅, pancuronium and, hepatic elimination (abstr) [Durant & others], S267
- microsomes
- and binding of halothane metabolites during hypoxia causing hepatic necrosis [Ross & others], 327
 - and halothane-induced hepatotoxicity [McLain & others], 321
 - halothane metabolite binding to liver nucleus during low-level exposure (abstr) [Edmunds & others], S241
- necrosis, caused by halothane and hypoxia in phenobarbital-treated rats [Ross & others], 327
- nuclei, halothane metabolite binding to during low-level exposure (abstr) [Edmunds & others], S241
- toxicity
- interaction of PCB and halothane as causative factor in (correspondence) [Zauder], 95
 - reductive metabolism of halothane and (correspondence) [Cousins], 486
- Liver
- transplantation, morphine for anesthesia (abstr) [Hug & others], S30
- LOBO, D., and BRAUER, F., Control of brain bounce during microvascular anastomosis (abstr), S83
- Local anesthetics, see anesthetics, local
- LOCKHART, C. H., see DIAZ, J. H., jt. auth.
- LOEBER, N. V., and DOWNES, J. J., Lung function in chronic respiratory failure in infancy (abstr), S328
- LOESER, E. A., see STANLEY, T. H., jt. auth.
- LONG, C. D., see COOPER, J. B., jt. auth.
- LONGNECKER, D. E., and ROSS, D. C., Influence of anesthetic on microvascular responses to hemorrhage (abstr), S142
- , see BEDFORD, R. F., jt. auth.
- Lorazepam, see under Hypnotics, benzodiazepines
- LOUX, P. C., see MESSNER, J. T., jt. auth.
- LOWENSTEIN, E., FOËX, P., FRANCIS, C. M., DAVIES, W. L., YUSUF, S., and RYDER, W. A., Narrowed coronary arteries, halothane, and paradox (abstr), S62
- , see THOMSON, I. R., jt. auth.
- LUDWIG, S., and BRISTOW, G., Hazards of edrophonium (correspondence), 567
- LUMB, P. D., see BRYAN-BROWN, C. W., jt. auth.
- Lumbar anesthesia, see under Anesthetic techniques, peridural; Anesthetic techniques, spinal
- Lung
- aspiration
 - acid-, prophylaxis by preoperative use of cimetidine (clinical report) [Coombs & others], 352
 - antacid (abstr) [Gibbs & others], S290
 - antacid administered prior to anesthesia for delivery [Gibbs & others], 380
 - foodstuff, steroid physiologic effect in (abstr) [Wynne & others], S179
 - of foodstuff, steroid therapy for pneumonitis induced in rabbits by [Wynne & others], 11
 - of gastric acid and particulate matter, responses to (editorial views) [Churg], 2
 - after inhalation of gastric fluid containing antacids (clinical report) [Bond & others], 452
 - pneumonitis, cimetidine for prophylaxis, dosage schedules (abstr) [Weber & Hirshman], S180
 - in pregnancy (editorial views) [Cohen], 375
 - after tracheal extubation (clinical report) [Burgess & others], 73
- asthma
- bronchospasm during anesthesia, methylxanthine aerosol for (abstr) [Hirshman & others], S364
 - ketamine prevention of bronchospasm, mechanisms (abstr) [Hirshman & others], S363
- blood flow
- alteration of, by pulmonary-artery occluded pressure measurement (clinical report) [Berry & others], 164
 - changing arterial oxygen tension and (editorial views) [Fairley], 492
 - distribution in abnormal lung as function of inspired oxygen concentration (abstr) [Johansen & Benumof], S369
 - between normoxic and hypoxic compartments, effects of regional and whole-lung PEEP on [Benumof & others], 503
- bronchus, rupture, in endobronchial intubation (clinical report) [Heiser & others], 88
- capacity, vital, function, and maximal inspiratory pressure as clinical indicators of readiness for weaning of infants (clinical report) [Shimada & others], 456
- compliance
- aortic clamping effect on respiratory resistance (abstr) [Campanorese & others], S365
 - asthma, bronchospasm prevention by methylxanthine aerosol (abstr) [Hirshman & others], S364
 - asthma, ketamine bronchospasm prevention, mechanisms (abstr) [Hirshman & others], S363
 - decreased, from opiates (correspondence) [Segal], 183
 - decreased, or tracheal constriction, from opiates (correspondence) [Yasuda & others], 183
 - fentanyl effects on in children (abstr) [Marty & Desmonts], S318
 - monitoring in neonatal primates (abstr) [Wuest & others], S384
 - neonate, low-rate intermittent mandatory ventilation for (abstr) [Shutack & others], S182
 - pancreatitis, experimental, effects on (abstr) [Toung & others], S376
 - in PEEP-induced discrepancy between pulmonary arterial wedge pressure and left atrial pressure [Berryhill & Benumof], 303
 - PEEP-induced lung-thorax volume increase, components (abstr) [Katz & others], S361
 - respiratory failure, chronic, in infancy (abstr) [Loeber & Downes], S328
 - total lung/thorax vs. static lung (abstr) [Mackenzie & others], S381
- damage
- barotrauma, ventilatory mode and (abstr) [Mathru & others], S190
 - burn wound sepsis, pulmonary edema mechanism in (abstr) [Adair & Traber], S175
 - burns, acute, respiratory-tract injury in (abstr) [Walker & others], S181
 - capillary permeability characteristics of dog lung (abstr) [Drake & Gabel], S174
 - cardiogenic shock, pulmonary capillary permeability in (abstr) [Massion & others], S173
 - oxygen, 80 per cent, effects on healing (abstr) [Tyler & others], S170
 - oxygen toxicity, pulmonary, response to (abstr) [Pavlin & others], S171
 - PEEP effects on lung fluid and protein exchange during pul-

- monary vascular injury (abstr) [van der Zee & others], S185
 re-expansion edema in rabbits, mechanism (abstr) [Pavlin & others], S377
diseases
 blood flow distribution in abnormal lung as function of inspired oxygen concentration (abstr) [Johansen & Benumof], S369
 compliance, total lung/thorax vs. static lung (abstr) [Mackenzie & others], S381
 respiratory failure, chronic, in infancy, lung function in (abstr) [Loeber & Downes], S328
edema
 burn wound sepsis, mechanism in (abstr) [Adair & Traber], S175
 capillary permeability characteristics of dog lung (abstr) [Drake & Gabel], S174
 cardiogenic shock, pulmonary capillary permeability in (abstr) [Massion & others], S173
 extravascular thermal volume as estimate of lung water (abstr) [Feeley & others], S176
 oxygen, 50 per cent, effects on resolution of experimental lung injury (abstr) [Cheney & others], S169
 oxygenation as indicator of fluid accumulation (abstr) [Gabel & others], S156
 PEEP effects on lung fluid and protein exchange during pulmonary vascular injury (abstr) [van der Zee & others], S185
 PEEP therapy, long-term, and lung water in oleic acid acute respiratory failure (abstr) [de Campo & others], S186
 re-expansion, mechanism in rabbits (abstr) [Pavlin & others], S377
 steroid failure to alleviate hemorrhagic (abstr) [Goldman & others], S178
function
 bradykinin effect on lymph protein and fluid flow (abstr) [Pang & others], S177
 compliance, total lung/thorax vs. static lung (abstr) [Mackenzie & others], S381
 in halothane-induced tachypnea in cats [Mazzarelli & others], S522
 monitoring in neonatal primates (abstr) [Wuest & others], S384
 neonate, low-rate intermittent mandatory ventilation for (abstr) [Shutack & others], S182
 oxygenation as indicator of fluid accumulation (abstr) [Gabel & others], S156
 respiratory failure, chronic, in infancy (abstr) [Loeber & Downes], S328
Lung
 hypoxic pulmonary vasoconstriction
 changing arterial oxygen tension and (editorial views) [Fairley], 492
 and regional and whole-lung PEEP Benumof & others], 503
 intravascular pressures
 alphaprodine effects (abstr) [Reddy & others], S102
 anemia, normovolemic, in coronary disease, hemodynamic changes due to (abstr) [Rao & others], S164
 aortic reconstructive surgery, adrenergic blockade and temporary shunt hemodynamic effects (abstr) [Thomson & others], S125
 arterial wedge, and left atrial pressure, PEEP-induced discrepancy between [Berryhill & Benumof], 303
 burn wound sepsis, pulmonary edema mechanism in (abstr) [Adair & Traber], S175
 calcium ion acute increase effects on (abstr) [Lappas & others], S172
 capillary permeability characteristics of dog lung (abstr) [Drake & Gabel], S174
 cardiopulmonary bypass, filling pressures, optimal following (abstr) [Mangano & others], S165
 changing arterial oxygen tension and (editorial views) [Fairley], 492
 dobutamine hemodynamic effects in cardiac surgical patients (abstr) [Schneider & others], S110
 dobutamine response in patients taking propranolol (abstr) [Jarman & others], S111
 hyperthermia alteration of sympathetic activity (abstr) [Kim & others], S127
 midazolam effects in cardiac patients (abstr) [Fragen & others], S103
 midazolam-nitrous oxide for anesthetic induction in ischemic heart disease (abstr) [Samuelson & others], S104
 neostigmine-atropine after coronary-artery bypass grafting (abstr) [Brooks & others], S168
 between normoxic and hypoxic compartments, effects of regional and whole-lung PEEP on [Benumof & others], 503
 pericardium effect on ventricular function (abstr) [Mangano], S126
 sufentanil effects (abstr) [Reddy & others], S102
 Swan-Ganz catheters in left main coronary disease (abstr) [Slocum & Linnan], S60
 vasodilator drug effects (abstr) [Johansen & Benumof], S70
 wedge pressure in prediction of ischemia during CABG (abstr) [Lieberman & others], S59
lymph, PEEP effects on lung fluid and protein exchange during pulmonary vascular injury (abstr) [van der Zee & others], S185
 lymph protein, bradykinin effect on (abstr) [Pang & others], S177
 macrophage depression, anesthetic, possible mechanism (abstr) [Graham & others], S48
 microsomes, in biotransformation of methoxyflurane [Blitt & others], 528
 perfusion, 5-hydroxytryptamine uptake and metabolism in rat lungs perfused *in situ*, halothane effects on (abstr) [Rannels & others], S251
pulmonary artery
 anomalous catheterization of (correspondence) [Crocker], 574
 aortic cross-clamping infrarenal, effects (abstr) [Klineberg & others], S388
 occluded pressure measurement, alteration of pulmonary blood flow by (clinical report) [Berry & others], 164
 tolazoline effects on intravascular pressures and distribution during hypoxemia (abstr) [Gregory & others], S324
respiratory resistance
 aortic clamping effect (abstr) [Camporesi & others], S365
 asthma, bronchospasm prevention by methylxanthine aerosol (abstr) [Hirshman & others], S364
 asthma, ketamine bronchospasm prevention, mechanisms (abstr) [Hirshman & others], S363
 blood flow distribution in abnormal lung as function of inspired oxygen concentration (abstr) [Johansen & Benumof], S369
 monitoring in neonatal primates (abstr) [Wuest & others], S384
 respiratory failure, chronic, in infancy (abstr) [Loeber & Downes], S328
shunting
 changing arterial oxygen tension and—disease or physician? (editorial views) [Fairley], 492
 between normoxic and hypoxic compartments, effects of regional and whole-lung PEEP on [Benumof & others], 503
 surfactant, pancreatitis, experimental, effects on (abstr) [Toung & others], S376
trachea
 obstruction, oxygenation with air or oxygen after (abstr) [Turk & others], 51: S357
 pressure on wall caused by endotracheal tube tip (abstr) [Benumof & others], S193
 size, relationship to body habitus (abstr) [Mackenzie & others], S378
vascular resistance
 aminophylline effects on (abstr) [deBros & others], S128
 PEEP-induced pulmonary arterial diastolic pressure-left atrial pressure gradient (abstr) [Meathe & others], S184
 steroid failure to alleviate hemorrhagic pulmonary edema (abstr) [Goldman & others], S178
 tolazoline effects and distribution during hypoxemia (abstr) [Gregory & others], S324

- vasodilator drug effects (abstr) [Johansen & Benumof], S70
volume
 PEEP-induced increase, components (abstr) [Katz & others], S361
 tidal, neonate, low-rate intermittent mandatory ventilation for (abstr) [Shutack & others], S182
water
 capillary permeability characteristics of dog lung (abstr) [Drake & Gabel], S174
 extravascular thermal volume as estimate (abstr) [Feeley & others], S176
 injury effect on pulmonary oxygen toxicity (abstr) [Pavlin & others], S171
oxygen, 50 per cent, effects on resolution of experimental lung injury (abstr) [Cheney & others], S169
PEEP therapy, long-term, and, in oleic acid acute respiratory failure (abstr) [de Campo & others], S186
re-expansion edema in rabbits, mechanism (abstr) [Pavlin & others], S377
steroid failure to alleviate hemorrhagic pulmonary edema (abstr) [Goldman & others], S178
LUNN, J. K., STANLEY, T. H., WEBSTER, L. R., and BIDWAI, A. V., Arterial blood-pressure and pulse-rate responses to pulmonary and radial arterial catheterization prior to cardiac and major vascular operations (clinical reports), 265
LUQUE, J., SHERRILL, D. L., JONES, R. H., SWANSON, G. D., and VIRTUE, R. W., Anesthetic depth transition by EEG analysis (abstr), S2
- MAC, see Potency, anesthetic, MAC
MACGREGOR, D. C., see ROBERTSON, J. M., jt. auth.
MACKENZIE, C. F., SHIN, B., FRIEDMAN, S., and WAI, M., Evaluation of total lung/thorax vs. static lung compliance (abstr), S381
—, SHIN, B., WHITLEY, N., and SCHELLINGER, D., The relationship of human tracheal size to body habitus (abstr), S378
—, see SHIN, B., jt. auth. (3)
MACNAMARA, T. E., see KIM, Y. D., jt. auth.
—, see LEES, D. E., jt. auth.
—, see PARK, W. Y., jt. auth.
MACRIS, S. G., see GIALA, M. M., jt. auth.
Macrophages, see under Lung
MACVAUGH, H., III see HEISTER, M., jt. auth.
MAEKAWA, T., McDOWALL, D. G., and OKUDA, Y., Brain-surface oxygen tension and cerebral cortical blood flow during hemorrhagic and drug-induced hypotension in the cat, 313
MAENPAA, M., see KANTO, J., jt. auth.
MAHAN, J. M., see McSWAIN, E. C., jt. auth.
MALEK, R. S., see McCARTY, L. P., jt. auth.
Malignant pyrexia, see under Hyperthermia
MALIK, A. B., see VAN DER ZEE, H., jt. auth.
MANGANO, D. T., Effect of the pericardium on ventricular function in man (abstr), S126
—, Pulmonary artery monitoring during cardiac surgery (abstr), S162
—, VAN DYKE, D. C., and ELLIS, R. J., Effect of bypass on myocardial compliance and performance (abstr), S108
—, VAN DYKE, D. C., and ELLIS, R. J., Optimal filling pressures following cardiopulmonary bypass (abstr), S165
—, see NOAR, P. F., jt. auth.
MANLEY, S., see ZYLANOFF, P. L., jt. auth.
MANN, E. S., COOKSON, S. L., and MANN, J. D., Effects of enflurane and halothane on csf dynamics in the rat (abstr), S54
MANN, J. D., see MANN, E. S., jt. auth.
MANNINO, F. L., see ALFERY, D. D., jt. auth.
Mannitol, see under Kidney, diuretics
MANS, A. M., see HAWKINS, R. A., jt. auth.
MÄNTYLÄ, R., see KANTO, J., jt. auth.
MARCO, A., see STIRT, J. A., jt. auth.
MARINO, R. J., see BURGESS, G. E., 111 jt. auth.
MARK-SAVAGE, P., see ZYLANOFF, P. L., jt. auth.
MARSH, M. L., AIDINIS, S. J., NAUGHTON, K. V. H., MARSHALL, L. F., and SHAPIRO, H. M., The technique of nitroprusside administration modifies the intracranial pressure response, 538
—, SHAPIRO, H. M., SMITH, R. W., and MARSHALL, L. F., Changes in neurologic status and intracranial pressure associated with sodium nitroprusside administration (clinical reports), 336
—, see ALFERY, D. D., jt. auth.
—, see GAGNON, R. L., jt. auth. (2)
MARSHALL, B. E., Arctic Institute's first symposium on hypoxia (reports of scientific meetings), 278
—, The Society of neurosurgical Anesthesia and Neurologic Supportive Care (reports of scientific meetings), 188
—, see BERRY, A. J., jt. auth.
—, see BOGARD, T. D., jt. auth.
—, see GEER, R. T., jt. auth. (2)
—, see RICHMAN, K. A., jt. auth.
MARSHALL, C., see BERRY, A. J., jt. auth.
—, see GEER, R. T., jt. auth.
MARSHALL, L. F., see GAGNON, R. L., jt. auth.
—, see MARSH, M. L., jt. auth. (2)
—, see ROCKOFF, M., jt. auth.
MARTIN, E., see HARARI, A., jt. auth.
MARTIN, J. T., Positioning in Anesthesia and Surgery (book review), 190
MARTIN, L. L., and SMITH, D. J., Effects of ketamine on serotonin biosynthesis (abstr), S11
MARTUCCI, R. M., see WUEST, H. P., jt. auth.
MARTUCCI, R. W., see ZYLANOFF, P. L., jt. auth.
MARTY, J., and DESMONTS, J. M., Effects of fentanyl on pulmonary compliance in children (abstr), S318
MARUSCHAK, G. F., see BENUMOF, J. L., jt. auth.
—, see MEATHE, E. A., jt. auth.
—, see SCHAUBLE, J. F., jt. auth.
MARX, G. F., and FINSTER, M., Difficulty in endotracheal intubation associated with obstetric anesthesia (correspondence), 364
—, see DIAZ, S. F., jt. auth.
MASHIMO, T., see PACE, N. L., jt. auth.
—, see UEDA, I., jt. auth.
Mass spectroscopy, see under Measurement techniques
MASSENGALE, M., see PARK, W. Y., jt. auth.
MISSION, W. H., BLUMEL, G., and DOWNS, P., Pulmonary capillary permeability in cardiogenic shock (abstr), S173
MASTRANGELO, C. J., see TRUDELL, J. R., jt. auth.
MATHERS, W. D., see SARQUIST, F. H., jt. auth.
MATHIEU, A., BOGOSIAN, A. J., RYAN, J. F., CRONE, R. K., and CROCKER, D., Recrudescence after survival of an initial episode of malignant hyperthermia (clinical reports), 454
—, MATHIEU, D., and HYSLOP, N., Effects of induction agents and non volatile anesthetics on chemotaxis of polymorphonuclear leukocytes (PMN) (abstr), 51: S56
MATHIEU, D., see MATHIEU, A., jt. auth.
MATHRU, M., RAO, T. L. K., VENUS, B., and JONES, W., Mode of ventilation and pulmonary barotrauma (abstr), S190
—, see RAO, T. L. K., jt. auth.
MATSUMIYA, S., see PACE, N. L., jt. auth.
MATSUO, S., see MORITA, K., jt. auth.
MATTEO, R. S., and KHAMBATTA, H. J., Relation of serum metocurine concentration to neuromuscular blockade in man (abstr), S287
—, see CHEN, R. Y. Z., jt. auth.
MAZEL, P., see CRAFT, J. B., jt. auth.
MAZZARELLI, M., HABERER, J. P., JASPER, N., and MISEROCCHI, G., Mechanism of halothane-induced tachypnea in cats, 522
MAZZE, R. I., and DENSON, D. D., Deuterium of anesthetics (editorial views), 101
—, see BADEN, J. M., jt. auth. (2)
—, see DUVALDSTIN, P., jt. auth.
—, see FISH, K. J., jt. auth.
—, see WHARTON, R. S., jt. auth. (2)
MCASLAN, T. C., see SHIN, B., jt. auth.
McCARTY, L. P., MALEK, R. S., and LARSEN, E. R., The effect of deuterium on the metabolism of halogenated anesthetics in the rat, 106
—, see TINKER, J. H., jt. auth.

- McCLAIN, D. A., and HUG, C. C., Fentanyl pharmacokinetics in man (abstr), S29
- McCOMB, R. C., see BALANI, K. G., jt. auth.
- McDANIEL, H. G., see REVES, J. G., jt. auth.
- McDONALD, A. G., and WANN, K. T., *Physiological Aspects of Anaesthesia and Inert Gases* (book review), 281
- McDONALD, J. S., see PAVLIN, D. J., jt. auth.
- McDOWALL, D. G., see MAEKAWA, T., jt. auth.
- MCENANY, M. T., see deBROS, F., jt. auth.
- MCGILL, W. A., see ABRAMOWITZ, M., jt. auth.
- McKILLOP, M. J., see ROSENBLATT, R., jt. auth.
- MC LAIN, G. E., SIPES, I. G., and BROWN, B. R., Jr., An animal model of halothane hepatotoxicity: roles of enzyme induction and hypoxia, 321
- MC LAREN, C. E., see SCHNEIDER, A. J. L., jt. auth. (2)
- MCLESKEY, C. H., WOODRUFFE, R. E., LEWIS, S. B., and STEFFENSON, J. L., Glucose control in normal and obese surgical patients (abstr), S250
- MC MILLAN, D. E., *Central Nervous System Pharmacology: A Self-Instruction Text* (book review), 583
- MC SWAIN, E. C., HERRIN, T. J., MAHAN, J. M., and CROSBY, R. L., Advanced cardiac life support modular teaching (abstr), S356
- MC TIGUE, E., see DUECK, R., jt. auth.
- Measurement techniques
- accelerometer
 - hypotension assessment, halothane vs. blood loss (abstr) [Pinchak & Eng], S143
 - miniature, clinical application (abstr) [Pinchak & Eng], S149
 - blood gas, percutaneous sample for (correspondence) [Scamman], 474
 - blood pressure, in artifactual hypotension without damping in use of disposable diaphragm domes (clinical report) [Sisko & others], 263
 - chemiluminescence, lung macrophage depression by anesthetics, possible mechanism (abstr) [Graham & others], S48
 - chromatography
 - enflurane determination, temperature correction (abstr) [Miller & Randall], S12
 - sampling operating room air by means of device worn by personnel (abstr) [Burm & Spierdijk], S355
 - TCD gas-liquid, for quantifying enflurane in whole blood (laboratory report) [Miller & Gandolfi], 542
 - computerized axial tomography, tracheal size relationship to body habitus (abstr) [Mackenzie & others], S378
 - echocardiography, etomidate and thiopental effects on ventricular performance (abstr) [Firestone & others], S22
 - electrodes
 - electrocardiographic distortion from high impedance (abstr) [Karis & others], S120
 - oxygen, inaccuracy of (correspondence) [Brinkløv & others], 369
 - oxygen, inaccuracy of (correspondence) [Oeseburg & Kwant], 368
 - oxygen, infant monitoring, intraoperative transcutaneous (abstr) [Messner & others], S319
 - electromyograph, nerve block duration with bupivacaine-dextran (abstr) [Curtiss & Scurlock], S214
 - electromyography, infant myoneural function during anesthesia, analysis (abstr) [Crumrine & others], S327
 - extravascular thermal volume, lung water estimation (abstr) [Feeley & others], S176
 - faculty evaluations, clinical teaching (abstr) [Conahan & others], S352
 - mass spectroscopy, anesthetic uptake determination (abstr) [Sodal & others], S374
 - microspheres
 - blood flow alteration by saralasin and nitroprusside measured by (abstr) [Delaney & Miller], S73
 - blood flow distribution in rat with anesthetics (abstr) [Miller & others], S124
 - endocardial circulation, factors affecting (abstr) [Fan & others], S65
- myocardial oxygen consumption, continuous monitoring (abstr) [deBros & others], S209
- tolazoline effects on intravascular pressures and cardiac output and distribution during hypoxemia (abstr) [Gregory & others], S324
- neuromuscular blockade
 - d*-tubocurarine-induced weakness, respiratory muscle strength and vital capacity relationship during (abstr) [Gal & Goldberg], S271
 - d*-tubocurarine, stimulation variables and reversal *in vivo* (abstr) [Foldes & others], S286
- oxygen electrodes, transcutaneous, in neonatal intensive care (abstr) [Roaf & others], S296
- pH, electrodes, intramyocardial pH monitoring in elective cardiac arrest (abstr) [Robertson & others], S94
- pneumotachography, for monitoring of tidal volume (laboratory report) [Saklad & others], 149
- pseudo-random binary sequence in testing response to inhalational agent (abstr) [Rampil & others], S26
- spirometry, *d*-tubocurarine-induced weakness, respiratory muscle strength and vital capacity relationship during (abstr) [Gal & Goldberg], S271
- thermodilution, cardiac output in small infants (abstr) [Zideman & others], S320
- ultrasound, lumbar epidural space localization (abstr) [Cork & others], S225
- MEATHE, E. A., BENUMOF, J. L., BERRYHILL, R. E., MARUSCHAK, G. F., and JOHANSEN, I., PEEP induced P_{paO_2} - P_{taO_2} gradient (abstr), S184
- , see BENUMOF, J. L., jt. auth.
- , see MITCHELL, M. M., jt. auth.
- Mechanical ventilation, see under Ventilation
- Medical students, see under Education
- MEIJER, D. K. F., WEITERING, J. G., VERMEER, G. A., and SCAF, A. H. J., Comparative pharmacokinetics of *d*-tubocurarine and metocurine in man, 402
- MEIS, P. J., see WHEELER, A. S., jt. auth.
- MELLINS, R. B., see PANG, L. M., jt. auth.
- Membrane
 - cell, local anesthetic interaction (abstr) [Goto & others], S230
 - lipid bilayers
 - lidocaine partition coefficients (abstr) [Trudell & others], S13
 - local anesthetic interaction with (abstr) [Goto & others], S230
 - models
 - lecithin monolayer, local anesthetic interaction with (abstr) [Goto & others], S230
 - in research on molecular mechanisms of anesthesia (report of scientific meeting) [Bartkowski], 580
 - protein surface potential decreased by anesthetic (abstr) [Ueda & others], S14
- MENZEL, D. B., see O'NEAL, F. O., jt. auth.
- Meperidine, see under Analgesics, narcotic
- MERIN, R. G., see SONTAG, H., jt. auth.
- MERKOW, A., see KENNEDY, R. L., jt. auth.
- MESNICK, P. S., see LINDE, H. W., jt. auth.
- MESSNER, J. T., LOUX, P. C., and GROSSMAN, L. B., Intraoperative transcutaneous PO_2 monitoring in infants (abstr), S319
- Metabolism, see also Biotransformation (drug); individual organs cyclic, pentobarbital effects on in brain (abstr) [DeBoer & Rall], S21
- Metabolism
 - adenosine monophosphate
 - cyclic, phenobarbital alteration (abstr) [Cohn & Cohn], S45
 - aliflurane, in man (clinical report) [Holaday & others], 548
 - amylase, pancreatitis, experimental, effects on lung mechanics (abstr) [Young & others], S376
 - anesthetic (report of scientific meeting) [Bartkowski], 580
 - anesthetic, halothane, and hypoxia causing hepatic necrosis in phenobarbital-treated rats [Ross & others], 327
- carbohydrate
 - hypotension, controlled, effects on (abstr) [Fahmy & Battit], S84

- hypotension
induced, renal function and hemodynamics during in dogs (abstr) [Behnia & others], S81
- deuteration, of anesthetics (editorial views) [Mazze & Denson], 101
- deuteration, of halogenated anesthetics in rat [McCarty & others], 106
- diabetes, cesarean section in, epidural analgesia for (abstr) [Datta & others], S302
- DNA, halothane does not inhibit in *Tetrahymena pyriformis* [Conklin & Lau], 508
- enzyme, cAMP system, in rat caudate nucleus during halothane and enflurane exposure [Woo & others], 27
- enzyme induction
halothane hepatotoxicity, hypoxic model for (abstr) [Brown & others], S239
- hepatic, of halothane in hypoxia in phenobarbital-treated rats [Ross & others], 327
- isoniazid metabolites and anesthetic metabolism (abstr) [Fish & Rice], S256
- fatty acids
by heart in man awake and during halothane anesthesia [Sonntag & others], 204
- nutrition for patient with respiratory failure (abstr) [Askanazi & others], S192
- glucose
by heart in man awake and during halothane anesthesia [Sonntag & others], 204
- nutrition for patient with respiratory failure (abstr) [Askanazi & others], S192
- pediatric cardiopulmonary bypass (abstr) [Bevan & Rosales], S322
- potassium repletion in hypokalemic dogs aided by (abstr) [Kawamura & others], S119
- surgical patients, normal and obese, control (abstr) [McLeskey & others], S250
- halothane $^2\text{H}^3\text{H}$, bioactivation and hepatotoxicity (abstr) [Sipes & Gandolfi], S242
- halothane metabolites
mutagenicity studies with [Edmunds & others], 424
- reductive, reactivity (abstr) [Denson & Ford], S243
- 5-hydroxytryptamine in rat lungs perfused *in situ*, halothane effect on (abstr) [Rannels & others], S251
- insulin, potassium repletion in hypokalemic dogs aided by (abstr) [Kawamura & others], S119
- intestinal, nitrous oxide in man and rat (abstr) [Trudell & others], S258
- lactate, by heart in man awake and during halothane anesthesia [Sonntag & others], 204
- lipid
halothane metabolite binding to liver nuclei during low-level exposure (abstr) [Edmunds & others], S241
- hypotension, controlled, effects on (abstr) [Fahmy & Battit], S84
- hypotension, induced, renal function and hemodynamics during in dogs (abstr) [Behnia & others], S81
- in brain after sedative administration (abstr) [Smith & others], S44
- lipid peroxidation
halothane-induced, pentane expiration as indicator (abstr) [O'Neal & others], S255
- metabolites
DEME study (abstr) [Tinker & others], S25
- halothane, and hepatotoxicity (correspondence) [Cousins], 486
- microsomes
halothane-induced peroxidation measured by pentane expiration (abstr) [O'Neal & others], S255
- hepatic, of halothane in hypoxia in phenobarbital-treated rats [Ross & others], 327
- isoniazid metabolites and anesthetic metabolism (abstr) [Fish & Rice], S256
- nutrition
depletion, profound, respiratory patterns in (abstr) [Rosenbaum & others], S366
- total parenteral, for patient with acute respiratory failure (abstr) [Askanazi & others], S192
- protein
halothane metabolite binding to liver nuclei during low-level exposure (abstr) [Edmunds & others], S241
- viral, RNA synthesis, halothane alteration (abstr) [Bedows & others], S57
- proteins, nutrition for patient with respiratory failure (abstr) [Askanazi & others], S192
- pyruvate, by heart in man awake and during halothane anesthesia [Sonntag & others], 204
- RNA
halothane does not inhibit in *Tetrahymena pyriformis* [Conklin & Lau], 508
- protein synthesis, viral, halothane alteration (abstr) [Bedows & others], S57
- starvation, respiratory patterns in profound nutritional depletion (abstr) [Rosenbaum & others], S366
- Methohexitol, see under Anesthetics, intravenous; Hypnotics, barbiturates
- Methoxyflurane, see under Anesthetics, volatile
- Methylmethacrylate, see under Surgery, orthopedic, bone cement
- Methylxanthine aerosol, see Aerosols, diphylline
- Metocurine, see under Neuromuscular relaxants
- Metoprotol, see under Sympathetic nervous system, sympatholytic agents
- MEYERS, E. F., and TOMEYAN, S. A., Glycopyrrolate compared with atropine in prevention of the oculocardiac reflex during eye-muscle surgery (clinical reports), 350
- MEYERS, S. N., see FRAGEN, R. J., jt. auth.
- MICCO, A., see SODAL, I. E., jt. auth.
- MICHENFELDER, J. D., see ARTRU, A. A., jt. auth.
- Microcirculation
capillaries hemorrhage, anesthetic effects on microvascular responses (abstr) [Longnecker & Ross], S142
- shock, hemorrhage, anesthetic effects on microvascular responses (abstr) [Longnecker & Ross], S142
- Micropore filters, see under Equipment, filters
- Microprocessor automation, see under Equipment
- Microsomes, see under Biotransformation (drug); Liver, metabolism; Metabolism, hepatic
- Microspheres, see under Measurement techniques
- Microtubules, trigeminal nerve of rat, effects of lidocaine on [Byers & others], 55
- Microvascular anastomosis, see under Surgery, neurosurgery
- Midazolam, see under Hypnotics, benzodiazepines
- MIERAS, C. D., see DEDRICK, D. F., jt. auth.
- MIHM, F., FEELEY, T. W., ROSENTHAL, M., and RAFFIN, T. A., Blood withdrawal rate effect on venous oxygen saturation (abstr), S198
- MIHM, F. G., STANSKI, D. R., and ROSENTHAL, M. H., Zero order pharmacokinetics of high dose thiopental (abstr), S204
- MIHM, F. H., see FEELEY, T. W., jt. auth.
- MILAD, M., see FAHMY, N. R., jt. auth.
- MILDE, J. H., see GRONERT, G. A., jt. auth.
- MILIC-EMILI, J., see ROSENBAUM, S. H., jt. auth. (2)
- MILLER, E., see LANE, P. E., jt. auth.
- MILLER, E. D., JR., KISTNER, J. R., and EPSTEIN, R. M., Distribution of blood flow with anesthetics (abstr), S124
- , see Delaney, T. J., jt. auth.
- MILLER, E. V., see SAVARAJAN, M., jt. auth.
- MILLER, J., see Rosow, C., jt. auth.
- MILLER, J. D., and RANDALL, F. M., Temperature correction of G.L.C. determined blood enflurane (abstr), S12
- , see Ingram, J. K., jt. auth.
- MILLER, M. S., and GANDOLFI, A. J., A rapid, sensitive method for quantifying enflurane in whole blood (laboratory report), 542
- MILLER, R. D., see AGOSTON, S., jt. auth.
- , see Booij, L. H. D. J., jt. auth.

- , see CRONNELLY, R., jt. auth.
 —, see HAM, J., jt. auth. (2)
 —, see O'KEEFE, C. O., jt. auth.
 MILLER, R. D., see STANSKI, D. R., jt. auth. (2)
 Minimum alveolar concentration, see Potency, anesthetic, MAC
 MISEROCCHI, G., see MAZZARELLI, M., jt. auth.
 —, Prevention of anaphylaxis from contrast media (correspondence), 480
 MITCHELL, M. M., MEATHIE, E. A., OZAKI, G. T., and SAIDMAN, L. J., Application of computer technology to intra-operative patient monitoring (abstr), S334
 Mitosis, halothane arrest of cell cleavage, mechanism (abstr) [Hinkley], S55
 MIYASAKA, K., see BUTLER, W. J., jt. auth.
 MILCAK, R. P., see WALKER, J. A., jt. auth.
 Mode of ventilation, see Ventilation, pattern
 MODELL, J. H., see KUSHINS, L. G., jt. auth.
 —, see QUINLAN, D., jt. auth.
 MOELLERING, R. C., see FAHMY, N. R., jt. auth.
 Monitoring
 see also under Equipment, catheters; Equipment, monitors; Measurement techniques
 Monitoring
 blood pressure
 in artifactual hypotension without damping in use of disposable diaphragm domes (clinical report) [Sisko & others], 263
 cardiovascular, zero suppression in (correspondence) [Son], 573
 catheterization, axillary arterial (abstr) [Bryan-Brown & others], S157
 catheters, brachial vs. radial arterial (abstr) [Comstock & others], S158
 in pulmonary and radial arterial catheterization prior to cardiac and major vascular operations (clinical report) [Lunn & others], 265
 spinal-cord blood flow responses to changes in arterial pressure (abstr) [Fahmy & others], S79
 spinal-cord hemodynamic responses to deliberate hypotension (abstr) [Jacobs & others], S80
 central venous pressure, epidural analgesia relationship in pre-eclampsia (abstr) [Joyce & others], S297
 computer technology application to intraoperative (abstr) [Mitchell & others], S334
 electrocardiography
 demonstrating myocardial ischemia during non-cardiac surgical procedures in patients with coronary-artery disease [Roy & others], 393
 electrode impedance as cause of distortion (abstr) [Karis & others], S120
 wedge pressure in prediction of ischemia during CABG (abstr) [Lieberman & others], S59
 electroencephalography
 althesin induction (abstr) [Smith & others], S6
 anesthetic depth transition shown by (abstr) [Luque & others], S2
 enflurane, rapidly changing depth (abstr) [Smith & others], S4
 fentanyl-nitrous oxide anesthesia (abstr) [Klein & Klein], S3
 halothane, rapidly changing depth (abstr) [Smith & others], S4
 thiopental and hypothermia synergistic suppression (abstr) [Quasha & others], S20
 thiopental induction (abstr) [Smith & others], S6
 visual evoked response as index of anesthetic potency (abstr) [Uhl & others], S18
 oxygen consumption, myocardial, fiberoptic catheters, indwelling (abstr) [deBros & others], S209
 oxygen, transcutaneous oxygen electrode in neonatal intensive care (abstr) [Roaf & others], S296
 pulse rate, in pulmonary and radial arterial catheterization prior to cardiac and major vascular operations (clinical report) [Lunn & others], 265
 stimulator, nerve, train-of-four measurement of lidocaine potentiation of *d*-tubocurarine (abstr) [Zukaitis & Hoech], S288
 temperature, myocardial, during aortic cross-clamping (abstr) [Ching & Hulse], S95
 tidal volume, by pneumotachography (laboratory report), [Saklad & others], 149
 ventilation
 device for (correspondence) [Dhamee & Jablonski], 474
 new monitor for (correspondence) [Skaredoff & Viguera], 570
 MONTOYA, A., see RAO, T. L. K., jt. auth.
 MOOMJIAN, A. S., see SHUTACK, J. G., jt. auth.
 MOON, G. J., Automatic blood pump (correspondence), 476
 MOORE, D. C., Comparison of bupivacaine (Marcaine) with tetracaine (Pontocaine) for spinal block for intra-abdominal pelvic surgery (abstr), S211
 MOORE, J., see COOPER, J. B., jt. auth.
 MORISHIMA, H. O., SAKURA, K., PEDERSEN, H., DYRENFURTH, I., and FINSTER, M., Relief of stress with meperidine in pregnant baboons and sheep (abstr), S292
 MORITA, K., MATSUO, S., NAGASHIMA, H., KANAREK, B., DUNCALF, D., and FOLDES, F. F., In vivo muscle relaxant-local anesthetic interactions (abstr), S282
 Morphine, see under Analgesics, narcotic; Anesthetics, intravenous
 MOSS, J., see DONLON, J. V., jt. auth.
 —, see Fahmy, N. R., jt. auth.
 —, see Lappas, D. G., jt. auth.
 —, see Watkins, W. D., jt. auth.
 MOSS, J. M., see PHILBIN, D. M., jt. auth.
 MOSSAD, B., see FAHMY, N. R., jt. auth.
 MOYCE, P. R., see BENUMOF, J. L., jt. auth.
 MOYERS, J. R., see COMSTOCK, M. K., jt. auth.
 —, see GRAHAM, B., jt. auth.
 —, see SADOWSKI, A. R., jt. auth.
 MUKHERJEE, A., see ROSENBAUM, S. H., jt. auth.
 MULDOON, S. M., see RORIE, D. K., jt. auth.
 MULROY, M., see SIVARAJAN, M., jt. auth.
 MULROY, M. F., Spinal headache and air travel (correspondence), 479
 MUNSON, E. S., SCHICK, L. M., CHAPIN, J. C., KUSHINS, L. G., and NAVARRO, A. A., Determination of the minimum alveolar concentration (MAC) of aliflurane in dogs, 545
 —, see HIMES, R. S., jt. auth.
 MURAVCHICK, S., Temperature and neuromuscular blockade (correspondence), 576
 —, see GOLD, M. I., jt. auth.
 MURPHY, F. L., see LECKY, J. H., jt. auth.
 MURPHY, M. R., see HUG, C. C., jt. auth.
 MURPHY, T., see BARSA, J., jt. auth.
 Muscle
 skeletal
 blood flow, morphine effect in conscious dogs (abstr) [Priano & Vatner], S140
 contractility, verapamil and EGTA effects *in vitro* (abstr) [Bikhazi & others], S275
 dystrophy, and malignant hyperthermia—similar signs (correspondence) [Ward], 184
 electrolytes and water during injury and infection (abstr) [Askanazi & others], S196
 end-plate, effects of volatile anesthetics on chemosensitivity of, and dose requirement of *d*-tubocurarine [Waud], 298
 fasciculation, and post-succinylcholine myalgias, pancuronium pretreatment and (clinical report) [Brodsky & others], 259
 fasciculation, succinylcholine-induced, measurement of, and effect of pretreatment with pancuronium or gallamine (clinical report) [Jansen & Hansen], 159
 injury and infection effects on water and electrolytes (abstr) [Askanazi & others], S196
 oxygen consumption, malignant hyperthermia, neurotransmitter or rising temperature effect on muscle (abstr) [Gronert & Milde], S247
 pain, post-succinylcholine, pancuronium pretreatment and (clinical report) [Brodsky & others], 259
 rigidity, fentanyl-oxygen induction (abstr) [Comstock & others], S28

- sarcoplasmic reticulum, malignant hyperthermia, calcium (abstr) [Gruener & Blanck], S245
- sarcoplasmic reticulum, malignant hyperthermia, calcium, halothane present and absent (abstr) [Blanck & others], S246
- water and electrolytes during injury and infection (abstr) [Askanazi & others], S196
- weakness, *d*-tubocurarine-induced, breathing patterns during (abstr) [Rosenbaum & others], S367
- Muscular dystrophy, see Muscles, skeletal, dystrophy
- Myasthenia gravis, see under Complications
- MYERS, B. D., see HILBERMAN, M., jt. auth.
- MYERS, R. R., POWELL, H. C., and SHAPIRO, H. M., Endoneurial pressure: fluid transport mechanisms (abstr), S236
- MYKLEBUST, J. B., see CUSICK, J. F., jt. auth.
- Myocardial function, see under Heart
- NAGASHIMA, H., see FOLDES, F. F., jt. auth. (2)
- , see MORITA, K., jt. auth.
- NAHRWOLD, M. L., see BEDOWS, E., jt. auth.
- , see deROSAYRO, M., jt. auth.
- , see HILL, A. B., jt. auth. (2)
- , see KNIGHT, P. R., jt. auth.
- , see LANE, G. A., jt. auth.
- NARITO, H., see DOHI, S., jt. auth.
- Naloxone, see under Antagonists, narcotic
- NAMIKI, A., COLIS, J. G., KITAHATA, L. M., KIRUCHI, H., TILLEY, E., and THALHAMMER, J. G., Effects of halothane on heat evoked spinal neurons (abstr), S19
- , see DOHI, S., jt. auth.
- Narcotic antagonists, see Antagonists, narcotic
- NASH, C. L., see GRUNDY, B. L., jt. auth.
- Nasotracheal tubes, see under Equipment, tubes
- NATONSON, R., SHAPIRO, B. A., HARRISON, R. A., and STANHOPE, R. C., Massive trophoblastic embolization and PEEP therapy (clinical reports), 469
- NAUGHTON, K. V. H., see MARSH, M. L., jt. auth.
- , see ROCKOFF, M., jt. auth.
- Nausea, see under Vomiting
- NAUSS, L. A., RORIE, D. K., WARD, E. M., and BAHN, R. C., The celiac ganglia in man: normal anatomic variations (abstr), S237
- NAVARRO, A. A., see MUNSON, E. S., jt. auth.
- NAWAFF, K., and STOELTING, R. K., Sgot values following evidence of reductive biotransformation of halothane in man (correspondence), 185
- NEFF, W. B., SULLIVAN, M. T., and POULTER, T. C., A magnetic-drive circulator designed for completely closed carbon dioxide absorption systems (clinical reports), 169
- NEGLÉN, P., see THOMSON, D., jt. auth.
- NELSON, C., see TRUDELL, J. R., jt. auth.
- NELSON, N. T., see HOAR, P. F., jt. auth.
- NELSON, T. E., see FLEWELLEN, E. H., jt. auth.
- NELSON, W. L., see KATZ, J., jt. auth.
- Neomycin, see under Antibiotics
- Neonates, see under Anesthesia, obstetric; Anesthesia, pediatric
- Neostigmine, see under Antagonists, neuromuscular relaxants; Enzymes, cholinesterase
- Nerve
- anesthetic actions on (report of scientific meeting) [Bartkowski], 580
- auditory, brainstem auditory evoked potentials, intracranial pressure effects on (abstr) [Raudzens & others], S40
- axon, axoplasmic transport, of lidocaine [Byers & others], 55
- block
- see under Anesthetic techniques
- action mechanisms of lidocaine and benzocaine compared (abstr) [Kendig & Erickson], S219
- bupivacaine-dextran, duration with (abstr) [Curtiss & Scurlock], S214
- cryoprobe, prolonged, after thoracotomy (abstr) [Katz & others], S233
- dextran-bupivacaine, duration (abstr) [Curtiss & Scurlock], S214
- dextran-local anesthetic, duration (abstr) [Buckley & Fink], S215
- epidural anesthetic effects on (abstr) [Cusick & others], S227
- fast and slow fibers, local anesthetic effects on (abstr) [Gissen & others], S217
- fiber blocking length as related to conduction velocity (abstr) [Galindo & others], S218
- in hypobaric spinal anesthesia, osmotic swelling contributing to (Fink & others), 418
- lidocaine, bupivacaine, and etidocaine blockade of sensory and motor pathways (abstr) [Galindo & Witcher], S216
- local anesthetic-bupivacaine, duration (abstr) [Buckley & Fink], S215
- local anesthetic mixture, bupivacaine-chloroprocaine (abstr) [Galindo & Witcher], S213
- potentiation by hypoosmotic neural swelling and electrolyte depletion (abstr) [Fink & others], S220
- sensory pathway vulnerability to local anesthetics (abstr) [Galindo & Witcher], S212
- tetrodotoxin clinical potential (abstr) [Scurlock & Curtiss], S232
- conduction
- action mechanisms of lidocaine and benzocaine compared (abstr) [Kendig & Erickson], S219
- bupivacaine-dextran, block duration (abstr) [Curtiss & Scurlock], S214
- endoneurial pressure, fluid transport mechanisms (abstr) [Myers & others], S236
- epidural anesthetic effects on (abstr) [Cusick & others], S227
- fast and slow fibers, local anesthetic effects on (abstr) [Gissen & others], S217
- lidocaine, bupivacaine, and etidocaine blockade of sensory and motor pathways (abstr) [Galindo & Witcher], S216
- local anesthetic mixture, bupivacaine-chloroprocaine (abstr) [Galindo & Witcher], S213
- osmotic swelling effects on [Fink & others], 418
- potentiation of block by hypoosmotic neural swelling and electrolyte depletion (abstr) [Fink & others], S220
- sensory pathway vulnerability to local anesthetics (abstr) [Galindo & Witcher], S212
- tetrodotoxin clinical potential (abstr) [Scurlock & Curtiss], S232
- velocity, nerve fiber blocking length relation to (abstr) [Galindo & others], S218
- damage
- postoperative, brachial-plexus, unexplained (correspondence) [Adelman & Pratillas], 479
- steroids, epidural, effects (abstr) [Delaney & others], S226
- depolarization
- lidocaine, bupivacaine, and etidocaine blockade of sensory and motor pathways (abstr) [Galindo & Witcher], S216
- local anesthetic mixture, bupivacaine-chloroprocaine (abstr) [Galindo & Witcher], S213
- endoneurial fluid pressure, fluid transport mechanisms (abstr) [Myers & others], S236
- infraorbital, effects of lidocaine on impulse conduction and rapid axonal transport in [Byers & others], 55
- potential
- block potentiation by hypoosmotic neural swelling and electrolyte depletion (abstr) [Fink & others], S220
- diazepam alters cortical evoked potentials (abstr) [Grundy & others], S38
- epidural anesthetic effects on (abstr) [Cusick & others], S227
- fast and slow fibers, local anesthetic effects on (abstr) [Gissen & others], S217
- lidocaine, bupivacaine, and etidocaine blockade of sensory and motor pathways (abstr) [Galindo & Witcher], S216
- local anesthetic mixture, bupivacaine-chloroprocaine (abstr) [Galindo & Witcher], S213
- stimulation diazepam alters cortical evoked potentials (abstr) [Grundy & others], S38

- stimulator
 see also under Monitoring, stimulator
- pancuronium reversal in neonatal intensive care unit (abstr) [Goudsouzian & others], S329
- synaptosome, gamma-aminobutyric acid metabolism in rat brain, midazolam and (abstr) [Cheng & Brunner], S43
- trigeminal, effects of lidocaine on impulse conduction and rapid axonal transport in [Byers & others], 55
- NESSLY, M. L., see PAVLIN, D. J., jt. auth.
- NEUFELD, G. R., see SISKO, F., jt. auth.
- Neuromuscular blockade, see under Neuromuscular relaxants
- Neuromuscular junction,
 infant myoneural function during anesthesia, analysis (abstr) [Crumrine & others], S327
- neomycin block mechanism (abstr) [Lee & others], S285
- prejunctional block *in vivo* (abstr) [Lee & others], S273
- synapses, spinal-cord transection and nerve-muscle transmission (abstr) [Sokoll & others], S274
- Neuromuscular relaxants
 see also Antagonists, neuromuscular relaxants
- BW444U, pharmacology (abstr) [Savarese & Wastila], S279
- BW785U
 dose ratios, autonomic/neuromuscular (abstr) [Wastila & Savarese], S278
- hemodynamic effects (abstr) [Wastila & Savarese], S278
- pharmacology (abstr) [Savarese & Wastila], S277
- dantrolene, malignant hyperthermia prophylaxis and therapeutic method (abstr) [Flewellen & Nelson], S248
- gallamine
 effect of pretreatment with, on succinylcholine-induced fasciculations (clinical report) [Jansen & Hansen], 159
- failure of, to inhibit succinylcholine-induced increase in intraocular pressure (correspondence) [Giala & others], 578
- succinylcholine dosage relation to pretreatment with (abstr) [Konchigeri & Tummuru], S276
- hypothermia
 and (correspondence) [Feldman], 369
- and (correspondence) [Ham & Miller], 370
- metocurine
 cardiovascular effects in patients with aortic valvular disease during morphine-diazepam-oxygen anesthesia (abstr) [Zaidan & others], S137
- hemodynamic effects compared with *d*-tubocurarine (abstr) [Antonio & others], S281
- ORG-NC₄₅, cardiovascular and neuromuscular effects compared with (abstr) [Booij & others], S280
- pancuronium potentiation of block (abstr) [Lebowitz & others], S283
- serum concentration relation to block (abstr) [Matteo & Khambatta], S287
- and *d*-tubocurarine, comparative pharmacokinetics of [Meijer & others], 402
- neuromuscular
 block, temperature and (correspondence) [Muravchick], 576
- block, temperature and (correspondence) [Park], 576
- ORG-NC₄₅
 cardiovascular effects compared with *d*-tubocurarine, pancuronium, and metocurine (abstr) [Booij & others], S280
- neuromuscular effects compared with *d*-tubocurarine, pancuronium, and metocurine (abstr) [Booij & others], S280
- pancuronium and, hepatic elimination (abstr) [Durant & others], S267
- pancuronium and, renal elimination (abstr) [Durant & others], S266
- pancuronium
 atrioventricular conduction enhanced by in anesthetized dogs [Kreul & Atlee], S86
- dose-response and plasma concentration-response relationships of [Shanks & others], 111
- edrophonium antagonism of neuromuscular blockade induced by [Kopman], 139
- effect of pretreatment with, on succinylcholine-induced fasciculations (clinical report) [Jansen & Hansen], 159
- halothane requirement reduced by (abstr) [Forbes & others], S1
- measurement of response, following administration by three methods [Agoston & others], 119
- metocurine block potentiation (abstr) [Lebowitz & others], S283
- morphine-nitrous oxide and fentanyl-nitrous oxide balanced anesthesia, cardiovascular effects before and after pancuronium (abstr) [Bennett & Stanley], S138
- in neuromuscular blockade, nitroglycerin infusion during [Glisson & others], 47
- ORG-NC₄₅, cardiovascular and neuromuscular effects compared with (abstr) [Booij & others], S280
- and, hepatic elimination (abstr) [Durant & others], S267
- and, renal elimination (abstr) [Durant & others], S266
- pharmacokinetics and dynamics of (editorial views) [Stanski & Sheiner], 103
- plasma concentrations of, and neuromuscular blockade after, using three methods of administration [Agoston & others], 119
- in pretreatment and post-succinylcholine myalgias (clinical report) [Brodsky & others], 259
- reversal in neonatal intensive care unit (abstr) [Goudsouzian & others], S329
- succinylcholine dosage relation to pretreatment with (abstr) [Konchigeri & Tummuru], S276
- and succinylcholine, in neuromuscular blockade in Kearns-Sayer syndrome (clinical report) [D'Ambra & others], 343
- d*-tubocurarine block potentiation (abstr) [Lebowitz & others], S283
- succinylcholine
 fasciculations induced by, measurement of, and effect of pretreatment with pancuronium or gallamine (clinical report), [Jansen & Hansen], 159
- forced duction testing alteration by (abstr) [France & others], S326
- hyperkalemia induced by, in patient with closed head injury (clinical report) [Stevenson & Birch], 89
- increase in intraocular pressure induced by, failure of gallamine to inhibit (correspondence) [Giala & others], 578
- intracranial pressure (abstr) [Borman & others], S272
- intraocular pressure (abstr) [Borman & others], S272
- local anesthetic interactions *in vivo* (abstr) [Morita & others], S282
- myalgias following use of, pancuronium pretreatment and (clinical report) [Brodsky & others], 259
- in neuromuscular blockade, nitroglycerin infusion during [Glisson & others], 47
- and pancuronium, in neuromuscular blockade in Kearns-Sayer syndrome (clinical report) [D'Ambra & others], 343
- pretreatment with nondepolarizing muscle relaxants and dosage (abstr) [Konchigeri & Tummuru], S276
- and serum calcium (correspondence) [Glouaud], 567
- d*-tubocurarine
 anaphylactoid response to (clinical report) [Farmer & Sivarajan], 358
- breathing patterns during muscle weakness induced by (abstr) [Rosenbaum & others], S367
- children, pharmacokinetics (abstr) [O'Keeffe & others], S270
- chromatography, liquid, in determination (abstr) [deBros & Gissen], S265
- dose requirements of, decreased by volatile anesthetics [Waud], 298
- enflurane anesthesia, time-dependent increase in sensitivity during (abstr) [Stanski & others], S269
- following tricyclic antidepressant therapy (correspondence) [Glisson & El-Etr], 575
- half life of, and neostigmine pharmacokinetics related to renal function in anesthetized man [Cronnelly & others], 222
- hemodynamic effects compared with metocurine (abstr) [Antonio & others], S281

- hypothermia, blockade during, in man (abstr) [Ham & others], S284
- lidocaine potentiation, train-of-four measurement (abstr) [Zukaitis & Hoech], S288
- local anesthetic interactions *in vivo* (abstr) [Morita & others], S282
- and metocurine, comparative pharmacokinetics of [Meijer & others], 402
- in neuromuscular blockade, nitroglycerin infusion during [Glisson & others], 47
- ORG-NC₄₅ cardiovascular and neuromuscular effects compared with (abstr) [Booij & others], S280
- pancuronium potentiation of block (abstr) [Lebowitz & others], S283
- pediatrics, pharmacokinetics in children (abstr) [O'Keeffe & others], S270
- pharmacokinetics and pharmacodynamics of, during nitrous oxide-narcotic and halothane anesthesia [Stanski & others], 235
- respiratory muscle strength and vital capacity relationship during weakness induced by (abstr) [Gal & Goldberg], S271
- stimulation and reversal of block *in vivo* (abstr) [Foldes & others], S286
- succinylcholine dosage relation to pretreatment with (abstr) [Konchigeri & Tummuru], S276
- Neuromuscular transmission
- local and general anesthetics (report of scientific meeting) [Bartkowski], 580
- metocurine serum concentration relation to block (abstr) [Matteo & Khambatta], S287
- ORG-NC₄₅ comparison with *d*-tubocurarine, pancuronium, and metocurine (abstr) [Booij & others], S280
- prejunctional block *in vivo* (abstr) [Lee & others], S273
- relaxant-local anesthetic interactions (abstr) [Morita & others], S282
- spinal-cord transection and (abstr) [Sokoll & others], S274
- train-of-four, fade ratio, in study of edrophonium antagonism of pancuronium-induced neuromuscular blockade [Kopman], 139
- d*-tubocurarine-induced weakness, respiratory muscle strength and vital capacity relationship during (abstr) [Gal & Goldberg], S271
- verapamil and EGTA effects on *in vitro* (abstr) [Bikhazi & others], S275
- Neurons
- dorsal horn, see Spinal cord, dorsal horn neurons
- Neurosurgery, see under Surgery
- Neurosurgical anesthesia, see Anesthesia, neurosurgical
- NEW, W., see YELDERMAN, M. L., jt. auth.
- Newborns, see under Anesthesia, obstetric; Anesthesia, pediatric
- NEWBOWER, R. S., see COOPER, J. B., jt. auth. (2)
- NGAI, S. H., SHIRASAWA, R., and CHENEY, D. L., Changes in motor activity and acetylcholine turnover induced by lidocaine and cocaine in brain regions of rats, 230
- , see BERKOWITZ, B. A., jt. auth.
- , see FINCK, A. D., jt. auth.
- , see YANG, J. C., jt. auth.
- NGEOW, Y. K., see TOUNG, T., jt. auth.
- NICOLOFF, D. M., see ESTRIN, J. A., jt. auth.
- Nitrogen, see under Gases, non-anesthetic
- Nitroglycerin, see under Anesthetic techniques, hypotension, induced; Pharmacology
- Nitroprusside, see under Anesthetic techniques, hypotension, induced
- Nitrous oxide, see under Anesthetics, gases
- NIVOCHÉ, Y., see DUVALDSTIN, P., jt. auth.
- NOBACK, C. R., and TINKER, J. H., Heat dosage vs. distribution during rewarming on C-P bypass (abstr), S134
- NOONAN, D., see HILL, A. B., jt. auth.
- NORDENSTROM, J., see ASKANAZI, J., jt. auth.
- Norepinephrine, see under Sympathetic nervous system, catecholamines
- NORMAN, J., and MOLES, M., *Management of the Injured Patient* (book review), 583
- NORMAN, P. F., see WILSON, R. D., jt. auth.
- NORTHROPE, P., see HILL, A. B., jt. auth.
- Nutrition, see under Metabolism
- OATES, H. F., Hypotensive actions of nitroprusside and verapamil compared (correspondence), 363
- Obesity, see under Complications
- O'BRODOVICH, H., see PANG, L. M., jt. auth.
- Obstetric anesthesia, see Anesthesia, obstetric
- OESEBURG, B., KWANT, G., BRINKLØV, M. M., ANDERSEN, P. K., STOKKE, D. B., and HOLE, P., Inaccuracy of oxygen electrode systems (correspondence), 368
- OHMURA, A., see KAWAMURA, R., jt. auth.
- , see PACE, N. L., jt. auth.
- OHN, K. C., COTTRELL, J. E., and TURNDORF, H., Hemoptysis from a pulmonary-artery catheter (correspondence), 485
- , and WU, W-H., A new method for nasogastric tube insertion (correspondence), 568
- OHTAKA, M., see LAPPAS, D. G., jt. auth.
- OHTANI, M., KIKUCHI, H., KIGAHATA, L. M., TAUB, A., TOYOOKA, H., HANAOKA, K., and DOHI, S., Effects of ketamine on nociceptive cells in the medial medullary reticular formation of the cat, 414
- , see DOHI, S., jt. auth.
- O'KEEFFE, G. M., BRUCE, D. A., and DOWNES, J. J., ICP and cardiovascular function in pediatric head trauma (abstr), S316
- O'KEEFFE, C. O., GREGORY, G. A., STANSKI, D. R., and MILLER, R. D., *D*-Tubocurarine: pharmacodynamics and kinetics in children (abstr), S270
- OKUDA, Y., see MAEKAWA, T., jt. auth.
- OLIVIERO, R., JR., RUDER, C. B., FERMON, C., and CURA, A., Pneumothorax secondary to ball-valve obstruction during jet ventilation (clinical reports), 255
- OMINSKY, A. J., On the possible painful consequences of misapplying signal detection theory. (editorial views), 491
- , see GARBER, J. G., jt. auth.
- , see LIEBERMAN, R. W., jt. auth.
- ONDRAŠICK, J., see WYNNE, J. W., jt. auth.
- O'NEAL, F. O., MENZEL, D. B., and KARIS, J. H., Pentane expiration: a measurement of halothane-induced peroxidation (abstr), S255
- O'NEIL, J. R., see TRUDELL, J. R., jt. auth.
- O'NEILL, P. C., see BYERS, M. R., jt. auth.
- Operating rooms
- contamination, bromide levels in anesthetists exposed to halothane in [Duvaldestin & others], 41
- exhaust systems
- nitrous oxide leakage from cryoprobe (abstr) [Wray], S335
- occupational exposure to trace anesthetics, and sampling methods (abstr) [Whitcher & Siukola], S336
- ventilation
- nitrous oxide leakage from cryoprobe (abstr) [Wray], S335
- occupational exposure to trace anesthetics, and sampling methods (abstr) [Whitcher & Siukola], S336
- sampling of operating room air by use of device worn by personnel (abstr) [Burm & Spierdijk], S355
- Opiate receptors, see under Receptors
- Opioids, see Analgesics, narcotic
- Organizations
- American Society of Anesthesiologists
- causes of death among membership of (editorial views) [Cohen], 193
- classification of physical status, exposed (correspondence) [Robinson], 180
- classification of physical status, interpretation of data (correspondence) [Fink], 179
- classification of physical status, origin of (correspondence) [Ament], 179
- classification of physical status, tally of responses (correspondence) [Owens & others], 181

- mortality investigation among anesthesiologists [Lew], 195
 Physical Status Classification of (correspondence) [Keats], 180
 physical status classification as predictor of outcome, morbidity and blood pressure variability (abstr) [Schneider & McLaren], S349
 renewed venture for Journal of (editorial views) [Larson], 193
 Society of Neurosurgical Anesthesia and Neurologic Supportive Care, sixth annual meeting (report of scientific meeting) [Illner & Cottrell], 188
ORG-NC₄₅, see under Neuromuscular relaxants
ORIG, T., see ABOULEISH, E., jt. auth.
ORKIN, F. K., see GARBER, J. G., jt. auth.
 —, see LEVENTHAL, S. R., jt. auth.
 —, see SCHWARTZ, A. J., jt. auth. (2)
 —, see SMITH, D. S., jt. auth.
 Orthopedic surgery, see under Surgery
OSBORN, R. C., see BEHNIA, R., jt. auth.
OISHIMA, W., see WU, A., jt. auth.
OISHITA, S., see KURAMOTO, T., jt. auth.
 Osmolarity, see under Ions
OSTHEIMER, G. W., see DATTA, S., jt. auth.
OTTO, C. W., YAKAITIS, R. W., and BLITT, C. D., Mechanism of action of epinephrine during resuscitation (abstr), S152
 Outpatient anesthesia, see under Anesthesia
OWEN, E. L., see LAND, P. C., jt. auth.
OWEN, K., see ROGERS, M. C., jt. auth.
OWENS, W. D., FEITS, J. A., and SPITZNAGEL, E. L., JR., Tally of ASA classification responses (correspondence), 181
OXFORD, S., see TURK, J., jt. auth.
Oxygen
 blood levels
 oxyhemoglobin-dissociation curve, optimal position (abstr) [Tien], S375
 preoxygenation technique, four-breath (abstr) [Gold & Muravchick], S358
 tracheal obstruction, oxygenation with air or oxygen after (abstr) [Turk & others], S357
 transcutaneous oxygen electrode in neonatal intensive care (abstr) [Roaf & others], S296
 venous, blood withdrawal rate effect on venous oxygen saturation (abstr) [Mihm & others], 198
 concentration, inspired, flow distribution in abnormal lung as function of (abstr) [Johansen & Benumof], S369
 consumption
 cerebral, blood flow and electroencephalogram, modification of relationship between, by stimulation during anesthesia in dog [Kuramoto & others], 211
 nutritional depletion, profound, respiratory patterns in (abstr) [Rosenbaum & others], S366
Oxygen
 gradients, inspired oxygen concentration, flow distribution in abnormal lung as function of (abstr) [Johansen & Benumof], S369
 tension
 alveolar P_{O_2} , nitrous oxide concentrating effect in low- \dot{V}_A/\dot{Q} regions (abstr) [Dueck & Wagner], S370
 arterial, changing of—disease or physician? (editorial views) [Fairley], 492
 inspired oxygen concentration, flow distribution in abnormal lung as function of (abstr) [Johansen & Benumof], S369
 lung fluid accumulation indicated by (abstr) [Gabel & others], 156
 lung injury, experimental, resolution responses to 80 per cent oxygen (abstr) [Tyler & others], S170
 lung injury, experimental, resolution responses to 50 per cent oxygen (abstr) [Cheney & others], S169
 maintenance in infants, and oxygen supplementation during endotracheal intubation (correspondence) [Cork & others], 186
 monitoring in infants, intraoperative transcutaneous (abstr) [Messner & others], S319
 obesity, oxygenation improvement with massive weight loss (abstr) [Vaughan & others], S191
 oxyhemoglobin-dissociation curve, optimal position (abstr) [Tien], S375
 preoxygenation technique, four-breath (abstr) [Gold & Muravchick], S358
 tracheal obstruction, oxygenation with air or oxygen after (abstr) [Turk & others], S357
 venous, blood withdrawal rate effect on venous oxygen saturation (abstr) [Mihm & others], S198
 toxicity
 lung injury effect on pulmonary (abstr) [Pavlin & others], S171
 lung injury, experimental, resolution responses to 80 per cent oxygen (abstr) [Tyler & others], S170
 lung injury, experimental, resolution responses to 50 per cent oxygen (abstr) [Cheney & others], S169
 transport, hemoglobin and carboxyhemoglobin, extrapolated values for shunt calculation (abstr) [Cane & others], S197
Oxyhemoglobin, see under Blood, hemoglobin
Oxyhemoglobin dissociation, see under Blood; Oxygen
OZAKI, G. T., see BENUMOF, J. L., jt. auth.
 —, see MITCHELL, M. M., jt. auth.
OZANNE, G. M., see KATZ, J. A., jt. auth.
- PAGE**, N. L., OHMURA, A., and MASHIMO, T., Averaging pH vs. H^+ values (correspondence), 481
 —, WEBSTER, C., EPSTEIN, B., MATSUMIYA, S., COLEMAN, M., BRITT, M. R., and GARIBALDI, R. A., Failure of anesthesia circuit bacterial gas filters to reduce postoperative pulmonary infections (abstr), S362
 —, see TSENG, C-K, jt. auth.
- Packed erythrocytes**, see under Transfusion, erythrocytes
- Pain**
 experimental
 and analgesia produced by spinal action of morphine [Yaksh & others], 386
 in misapplication of signal detection theory (editorial views) [Ominsky], 491
 measurement, in intrathecal morphine (editorial views) [Alper], 378
 to study analgesic action and pharmacokinetics of morphine and diazepam [Yang & others], 495
 measurement
 before and after nitrous oxide inhalation with and without naloxone [Chapman & Benedetti], 135
 during analgesia produced by spinal action of morphine [Yaksh & others], 386
 morphine action enhancement by naltrexone (abstr) [Havdala & others], S235
 neuralgia, herpes zoster, treatment by epidural injection or stellate ganglion block (abstr) [Bauman], S223
 postoperative, measurement, cryoprobe nerve block after thoracotomy (abstr) [Katz & others], S233
 sensory decision theory
 as consequence of misapplication (editorial views) [Ominsky], 491
 in study of analgesic action and pharmacokinetics of morphine and diazepam [Yang & others], 495
 treatment, chemical hypophysectomy in, long-term follow-up study of (clinical report) [Katz & Levin], 167
- PALAHNIUK**, R. J., see PASH, M. P., jt. auth.
 —, see PICKERING, B. G., jt. auth.
PALIOTTA, J., see SAKLAD, M., jt. auth.
- Pancreas, rat**, glucose-stimulated insulin secretion inhibited by ether in [Gingerich & others], 34
- Pancreatitis**, see under Complications
- Pancuronium**, see under Neuromuscular relaxants
- PANDIT**, S. K., see DETMER, M. D., jt. auth.
- PANG**, L. M., STALCUP, S. A., O'BROPOVICH, H., LIPSET, J. S., and MELLINS, R. B., Bradykinin and lung lymph protein and fluid flow (abstr), S177
- Papaverine**, see under Heart

- PARADISE, R. R., see GINGERICH, R. L., jt. auth.
- Paralysis, see under Complications; Muscle, skeletal; Nerve, damage; Neuromuscular transmission
- Parasympathetic nervous system
- atropine
 - and glycopyrrolate compared in prevention of oculocardiac reflex during eye-muscle surgery (clinical report) [Meyers & Tomeldan], 350
 - intraoperative, prolonged sedation in elderly after (clinical report) [Smith & others], 348
 - neostigmine and, coronary-artery bypass grafting (abstr) [Brooks & others], S168
 - glycopyrrolate, and atropine compared in prevention of oculocardiac reflex during eye-muscle surgery (clinical report) [Meyers & Tomeldan], 350
- vagus
- BW444U blocking property (abstr) [Savarese & Wastila], S279
 - BW785U blocking property (abstr) [Wastila & Savarese], S278
 - nerve, halothane effect on coronary occlusion reflexes in dog (abstr) [Bachhuber & others], S88
 - vagotomy, halothane-induced, and tachypnea in cats [Mazzarelli & others], 522
- PARK, W. Y., MASSENGALE, M., and MACNAMARA, T. E., Age, height, and speed of injection as factors determining caudal anesthetic level, and occurrence of severe hypertension (clinical reports), 81
- , Temperature and neuromuscular blockade (correspondence), 576
- PARK, Y. R., and EASTWOOD, D. W., Dextrose affects gravitational spread of epidural anesthesia (abstr), S301
- PARKS, D. H., see WALKER, J. A., jt. auth.
- Partition coefficients, see under Solubility
- PASH, M. P., PICKERING, B. G., TWEEDE, W. A., and PALAHNIUK, R. J., Pressure passive cerebral blood flow in the nonasphyxiated fetus, S293
- PASH, M. J., see PICKERING, B. G., jt. auth.
- PATEL, D. G., see FAHMY, N. R., jt. auth.
- Pattern of ventilation, see under Ventilation
- PAUL, W. L., see STONE, D. R., jt. auth.
- PAVLIN, D. J., CHENEY, F. W., and NESSLY, M. L., Mechanism of re-expansion edema in rabbits (abstr), S377
- , McDONALD, J. S., CHILD, B., and RUSCH, V., Acute subdural hematoma—an unusual sequela to lumbar puncture (clinical reports), 338
- , TYLER, D. C., and CHENEY, F. W., Effect of lung injury on pulmonary oxygen toxicity (abstr), S171
- , see TYLER, D. C., jt. auth.
- PEARCE, M., see BIDWAI, A. V., jt. auth.
- PEARSON, W. T., see JOB, C. A., jt. auth.
- PEART, W. S., see BEVAN, D. R., jt. auth.
- PEDERSEN, H., and FINSTER, M., Anesthetic risk in the pregnant surgical patient, 439
- , see MORISHIMA, H. O., jt. auth.
- Pediatric anesthesia, see Anesthesia, pediatric
- PEEP, see Ventilation, positive end-expiratory pressure
- PEKOE, G. M., and SMITH, D. J., Ketamine analgesia: mediation by biogenic amine and endogenous opiate processes (abstr), S36
- PENDER, J. W., Styttled intravascular catheters (correspondence), 182
- Pentobarbital, see under Hypnotics, barbiturates
- PEPITONE-ROCKWELL, F., see ROSENBLATT, R., jt. auth.
- Perfusion, see under Lung, blood flow; Ventilation
- Pericardium, see under Heart
- Peridural anesthesia, see under Anesthetic techniques
- Peripheral vascular resistance, see under Arteries; Blood pressure
- PERKINS, H. M., see STONE, D. R., jt. auth.
- PETERS, R. M., see KATZ, J., jt. auth.
- PETERSON, M. B., see WATKINS, W. D., jt. auth.
- PETTY, C., and BAGEANT, T., Propranolol and the dissociation curve (abstr), S130
- PEULER, M. J., see BURGESS, G. E., III, jt. auth.
- pH, see under Acid-base equilibrium; Carbon dioxide: hypercarbia, hypocarbia; Dissociation constant; Gases, nonanesthetic, hydrogen
- Pharmacokinetics
- alflurane, in man (clinical report) [Holaday & others], 548
 - antibiotics, hypotensive and normotensive anesthesia, serum, muscle, and bone antibiotic concentrations compared (abstr) [Fahmy & others], S133
 - bupivacaine, scalp infiltration, blood levels with (abstr) [Colley & others], S238
 - chloroprocaine in E₉E₁ (abstr) [Zsigmond & others], S222
 - diazepam, given in conjunction with spinal anesthesia, effect of age on (clinical report) [Kanto & others], 154
- distribution
- muscle relaxants (editorial views) [Stanski & Sheiner], 103
 - of neostigmine and renal function in anesthetized man [Cronnelly & others], 222
 - pancuronium in man [Shanks & others], 111
 - placental transfer of enflurane and halothane (abstr) [Abboud & others], S306
 - placental transfer of ephedrine (abstr) [Ward & others], S307
- fentanyl in man (abstr) [McClain & Hug], S29
- ketamine optical isomers (abstr) [White & others], S33
- Kinetics
- of neostigmine and renal function in anesthetized man [Cronnelly & others], 222
 - pentobarbital, thiopental high-dose zero-order kinetics (abstr) [Mihm & others], S204
- metocurine serum concentration relation to block (abstr) [Matteo & Khambatta], S287
- midazolam, steady-state (abstr) [Sarnquist & others], S41
- models, of neostigmine and renal function in anesthetized man [Cronnelly & others], 222
- morphine, and analgesic action of [Yang & others], 495
- neuromuscular relaxants, *d*-tubocurarine and metocurine, compared in man [Meijer & others], 402
- nitroglycerin
- myocardial effects of intranasal administration (abstr) [Hill & others], S67
 - systolic time interval dose-response to (abstr) [Dauchot], S68
- ORG-NC₄₅
- hepatic elimination (abstr) [Durant & others], S267
 - renal elimination (abstr) [Durant & others], S266
- pancuronium
- hepatic elimination (abstr) [Durant & others], S267
 - renal elimination (abstr) [Durant & others], S266
- theophylline, two-compartment instructional model (abstr) [Boysen & others], S337
- thiopental, high-dose, zero-order kinetics (abstr) [Mihm & others], S204
- d*-tubocurarine
- blockade during hypothermia in man (abstr) [Ham & others], S284
 - in children (abstr) [O'Keeffe & others], S270
 - enflurane anesthesia associated with time-dependent increase in sensitivity to (abstr) [Stanski & others], S269
 - during nitrous oxide-narcotic and halothane anesthesia [Stanski & others], 235
- uptake
- alfilurane, in man (clinical report) [Holaday & others], 548
 - enflurane, semiclosed system effects on (abstr) [Goldman & others], S23
- height, epidural blockade spread in young and old patients influenced by (abstr) [Sharrock], S224
- mass spectrometer system for determination of anesthetic (abstr) [Sodal & others], S374
- muscle relaxants (editorial views) [Stanski & Sheiner], 103
- pancuronium in man [Shank & others], 111
- Pharmacology
- antibiotics, hypotensive and normotensive anesthesia, serum, muscle, and bone antibiotic concentrations compared (abstr) [Fahmy & others], S133

- methylmethacrylate, myocardial depressant and peripheral dilator (abstr) [Johansen & Benumof], S77
- pharmacodynamics, *d*-tubocurarine, during nitrous oxide-narcotic and halothane anesthesia [Stanski & others], 235
- theophylline, two-compartment instructional model (abstr) [Boysen & others], S337
- tolazoline, effects on intravascular pressures and cardiac output and distribution during hypoxemia (abstr) [Gregory & others], S234
- tricyclic antidepressants, reversal of neuromuscular blockade and (correspondence) [Glisson & El-Etr], 575
- Phenobarbital, see under Hypnotics, barbiturates
- Phenoxybenzamine, see under Sympathetic nervous system, sympatholytic agents
- Phenylalanine, see under Polypeptides
- Phenylephrine, see under Sympathetic nervous system, sympathomimetic agents
- PHILBIN, D. A. (ed.), *Anesthetic Management of the Patient with Cardiovascular Disease* (book review), 582
- PHILBIN, D. M., EMERSON, C. W., COGGINS, C. H., MOSS, J. M., SLATER, E., and SCHNEIDER, R. C., Renin, catecholamine, and vasopressin response to the "stress" of anesthesia and surgery (abstr), S121
- , see ANTONIO, R. P., jt. auth.
- , see LANDRY, L. D., jt. auth.
- PHILIP, J. H., see COOPER, J. B., jt. auth.
- Physostigmine, see under Antagonists, neuromuscular relaxants
- PHYTHYON, J. M., see WOOD, M., jt. auth.
- PICKERING, B. G., PASH, M. J., and PALAHNIUK, R. J., Effects of ketamine on regional cerebral blood flow in the asphyxiated fetus, S294
- , see PASH, M. J., jt. auth.
- PINGHAK, A. C., Clinical application of miniature accelerometers (abstr), S149
- , Electromechanical monitor for assessment of hypotension: halothane vs. blood loss (abstr), S143
- , see SCHULTZ, J. M., jt. auth.
- Placenta
- effects of changes in maternal-fetal pH on equilibrium of bupivacaine across [Kennedy & others], 50
 - enflurane placental transfer effects (abstr) [Abboud & others], S306
 - ephedrine placental transfer (abstr) [Ward & others], S307
 - halothane placental transfer effects (abstr) [Abboud & others], S306
- Plasma, see under Blood
- Platelets, see under Blood
- Pneumotachography, see under Measurement techniques
- Polymorphonuclear leukocytes, see under Blood, leukocytes
- Polypeptides
- bradykinin, lung lymph protein and fluid flow responses to (abstr) [Pang & others], S177
 - endorphins
 - enkephalin, ketamine analgesia mechanism (abstr) [Finck & Ngai], S34
 - naltrexone enhancement of morphine action (abstr) [Haydala & others], S235
 - phenylalanine, analgesia in mice and men (abstr) [Balagot & Ehrenpreis], S231
- renin
- cardiopulmonary bypass, vasoactive mediators and (abstr) [Watkins & others], S97
 - nitroprusside-induced release, propranolol abates (abstr) [Kambhatta & others], S74
 - sodium in diet, effect on release during anesthesia (abstr) [Hickey & others], S113
 - stress of anesthesia and surgery effects (abstr) [Philbin & others], S121
- renin-angiotensin
- catecholamine interaction with in cardiac surgical patients (abstr) [Lappas & others], S98
 - in hypertension following nitroprusside-induced hypotension [Kambhatta & others], 127
- nitroprusside tachyphylaxis development (abstr) [Fahmy & others], S72
- renin, plasma activity, extradural analgesia, and surgery (abstr) [Bevan & others], S228
- saralasin, blood flow alteration by (abstr) [Delaney & Miller], S73
- PORTS, T. A., see GRAHAM, B., jt. auth.
- Position
- effects
 - of lateral on epidural analgesia spread in parturient (abstr) [Hew & others], S300
 - optimal, for cervical and thoracic operations (correspondence) [Betts], 483
 - nerve damage, sitting, bilateral footdrop after craniotomy in (clinical report) [Keykhah & Rosenberg], 163
- Positive end-expiratory pressure, see under Ventilation
- Potassium, see under Heart, arrhythmia; Ions
- Potency
- anesthetic
 - adrenergic response to incision, anesthetic dose that blocks (abstr) [Roizen & Horrigan], S141
 - ED₅₀, dantrolene malignant hyperthermia prophylaxis and therapeusis (abstr) [Flewelling & Nelson], S248
 - ketamine optical isomers (abstr) [White & others], S33
 - MAC, of aliflurane, determination of [Munson & others], 545
 - MAC, clinical studies in children in (correspondence) [Keeris-Szanto], 572
 - MAC, clinical studies in children in (correspondence) [Yakaitis], 572
 - MAC, enflurane, and ventilatory response to carbon dioxide during lidocaine infusion in dogs [Himes & others], 131
 - MAC, halothane, alcohol intoxication effect on (abstr) [Amirdivani & others], S49
 - Potency
 - ED₅₀, nitrous oxide-resistant and -susceptible mice (abstr) [Koblin & others], S17
 - MAC
 - EEG analysis of anesthetic depth transition (abstr) [Luque & others], S2
 - halothane, acupuncture modification in dog (abstr) [Tseng & others], S7
 - halothane, pancuronium reduces in man (abstr) [Forbes & others], S1
 - visual evoked response as index of anesthetic potency (abstr) [Uhl & others], S18
- Potential, nerve, see under Nerve
- Potentials, evoked, see Brain, evoked potentials
- POTZICK, J., see GELMAN, S., jt. auth.
- POULTER, T. C., see NEFF, W. B., jt. auth.
- POULTON, T. J., and JAMES, F. M., III, Placental transfer of nitroglycerin (correspondence), 475
- , and POWELL, M. B., Simulation training for intensive care physicians and nurses (abstr), S351
- POWELL, H. C., see MYERS, R. R., jt. auth.
- POWELL, M. B., see POULTON, T. J., jt. auth.
- PRATILA, M. G., PRATILAS, V., and DIMICH, I., Transient left-bundle-branch block during anesthesia (clinical reports), 461
- PRATILAS, V., see ADELMAN, M., jt. auth.
- , see PRATILA, M. G., jt. auth.
- , see REES, I., jt. auth.
- Pre-eclampsia, see under Pregnancy
- Pregnancy
- pre-eclampsia, central venous pressure and epidural analgesia relationship (abstr) [Joyce & others], S297
 - surgery in, anesthetic risk in (review article) [Pedersen & Finster], 439
- Prejunctional block, see under Neuromuscular junction; Neuromuscular transmission
- Premedication
- antacids
 - pulmonary aspiration syndrome after inhalation of gastric fluid containing (clinical report) [Bond & others], 452

- single-dose oral, in prophylaxis of aspiration pneumonitis (clinical report) [Detmer & others], 270
- Premedication
- anticholinergics, anesthetic, volatile, interaction (abstr) [Samra & Cohen], S115
- Premedication
- atropine
 - anticholinergic interaction with volatile anesthetics (abstr) [Samra & Cohen], S115
 - prolonged sedation in elderly after (clinical report) [Smith & others], 348
 - glycopyrrolate, anticholinergic interaction with volatile anesthetics (abstr) [Samra & Cohen], S115
 - methohexitol, rectal, in children, dose comparison study (abstr) [Liu & others], S331
 - midazolam maleate, hemodynamic effects in cardiac patients (abstr) [Frangen & others], S103
- Pressoreceptors, see under Receptors
- Pressure, see under Blood pressure; Brain, intracranial; Cerebrospinal fluid; Eye, intraocular; Heart, atrial; Heart, vascular; Heart, ventricular; Hyperbaria; Hypobaric; Lung, intravascular; Microcirculation; Temperature, vapor; Ventilation, airway; Ventilation, positive end-expiratory; Ventilation, zero end-expiratory
- PRIANO, L. L., and VATNER, S. F., Effects of morphine on cardiac output and regional blood flow distribution in conscious dogs (abstr) S140
- Procaine, see under Anesthetics, local
- Promethazine, see under Antihistamines
- Propranolol, see under Heart; Sympathetic nervous system, sympatholytic agents
- Prostaglandins, see under Hormones
- Protamine, see under Blood, coagulation
- Protein, see under Metabolism
- Protein
- surface potential decreased by anesthetics (abstr) [Ueda & others], S14
- PRYS-Robert, C., Hemodynamic effects of anesthesia and surgery in renal hypertensive patients receiving large doses of β -receptor antagonists (abstr), S122
- Pseudocholinesterase, see under Biotransformation (drug); Enzymes
- Pseudo-random binary sequence, see under Measurement techniques
- Psychologic responses, hallucinations, ketamine-induced, mechanisms (abstr) [Havdala & others], S52
- PUERTO, A. X., see WONG, K. C., jt. auth.
- PUERTO, B. A., see WONG, K. C., jt. auth.
- Pulmonary, see Lung
- Pulmonary-artery catheters, see under Equipment, catheters
- Pulse rate, see under Heart
- Pump, see under Equipment
- PURTOCK, R. V., see TURNER, L. A., jt. auth.
- PYNN, S., see COLE, A. F. D., jt. auth.
- Pyrexia, see Hyperthermia
- Pyruvate, see under Metabolism
- Quadriplegia, see under Spinal cord
- QUAN, S. F., see KRONBERG, G. M., jt. auth.
- QUASHA, A. L., SHARBROUGH, F. W., SCHWELLER, T. A., and TINKER, J. H., Hypothermia plus thiopental: synergistic EEG suppression (abstr), S20
- QUINLAN, D., and MODELL, J. H., Painless cost containment (abstr), S354
- Radial artery, see under Arteries
- RADKE, J., see SONNTAG, H., jt. auth.
- RAFFIN, T. A., see MIHM, F., jt. auth.
- RALL, T. W., see DEBOER, G. E., jt. auth.
- RAMPIL, I. J., SASSE, F. J., SMITH, N. T., HOFF, B. H., RUSY, B. F., and FLEMMING, D. C., A new method for testing the response to an inhalation agent (abstr), S26
- , see SMITH, N. T., jt. auth. (2)
- RAMSEY, F. M., see LEBOWITZ, P. W., jt. auth.
- RANDALL, F. M., see MILLER, J. D., jt. auth.
- RANNELS, D. E., WATKINS, C. A., and BIEBUYCK, J. F., Effects of halothane on uptake and metabolism of 5-hydroxytryptamine by rat lungs perfused *in situ* (abstr), S251
- RAO, D. B. S., see FOLDES, F. F., jt. auth.
- RAO, T. L. K., EL-ETR, A. A., BALASARASWATHI, K., and SULLIVAN, H., Dobutamine: hemodynamic effects in patients treated with and without propranolol (abstr), S154
- , EL-ETR, A. A., and MONTOYA, A., Hemodynamic changes due to mormovolemic anemia in coronary disease patients (abstr), S164
- , MATHRU, M., EL-ETR, A. A., and SALEM, M. R., Bronchoscopy and reversal of intracardiac shunt (clinical reports), 558
- , see MATHRU, M., jt. auth.
- RASMUSSEN, J. P., and HUSUM, B., Optimal placement of a central venous pressure catheter before cardiopulmonary bypass (correspondence), 577
- RATHBUN, M. L., see DUECK, R., jt. auth.
- RAUDZENS, P., SCHÄRER, R., and ERSPAMER, R., Intracranial pressure effects on brainstem potentials (abstr), S40
- RAY, C., Jr., see CARLSON, G. C., jt. auth.
- RAY, K., see ROCKOFF, M., jt. auth.
- RAY, K. F., KOHLENBERGER, R. W., and SHAPIRO, H. M., Local cerebral blood flow and metabolism during halothane and enflurane (abstr), S10
- REAMES, E., and ROSENBLATT, R., Ketamine anesthesia of a catatonic schizophrenic patient (correspondence), 577
- Receptors
- baroreceptors
 - carotid sinus, hypotension, induced, and reflex sensitivity (abstr) [Chen & others], S76
 - halothane effects on responses in newborn and adult rabbits (abstr) [Ware & others], S325
 - left ventricular mechanoreceptor reflex function (abstr) [Estrin & others], S114
 - opiate
 - ketamine analgesia mediation by (abstr) [Pekoe & Smith], S36
 - naltrexone enhancement of morphine action (abstr) [Havdala & others], S235
 - in pentobarbital anesthesia and toxicity, studies of possible role [Bhargava], 398
 - temperature mediation (abstr) [Rosow & others], S31
- Records
- anesthesia
 - see also Statistics
 - bibliography, computer management (abstr) [Bjoraker], S332
 - cost containment, painless (abstr) [Quinlan & Modell], S354
 - drug management, reducing abuse potential and (abstr) [Ward], S347
 - microprocessor automation (abstr) [Whitesell & others], S333
 - mortality, operative, 25-year review (abstr) [Kahn & others], S350
 - anesthetic, costs of anesthesia, increasing cost consciousness (abstr) [Wilkinson & others], S353
- Recovery, drowsiness, diazepam-induced, with physostigmine (clinical reports) [Bidwai & others], 256
- Rectal anesthetics, see Anesthetics, rectal
- REDDY, P., LIU, W., STANLEY, T. H., and JOHANSEN, R., Hemodynamic effects of anesthetic doses of alpha-prodine and sufentanil in dogs (abstr), S102
- , see STANLEY, T. H., jt. auth.
- REDFORD, J. E., see SCHNEIDER, A. J. L., jt. auth.
- REES, G. A. D., see ROSEN, M., jt. auth.
- REES, I., ADELMAN, M., and PRATILAS, V., Chronic arsenic poisoning, a problem in anesthetic management (clinical reports), 84
- References, anesthesia, textbook, currentness of alone not valid measure of quality (correspondence) [Bromage], 181
- Reflexes
- oculocardiac, during eye-muscle surgery, glycopyrrolate and atropine compared in prevention of (clinical report) [Meyers & Tomeldan], 350

- spinal, autonomic hyperreflexia, in quadriplegic patient, obstetric anesthesia in (clinical report) [Stirt & others], 560
- Regional anesthesia, see Anesthetic techniques; peridural; regional; spinal
- REINCRONA, S., see SMITH, D. S., jt. auth.
- Renal, see Kidney
- Renin, see Polypeptides, renin-angiotensin
- Replication, cell, see under Cell; Mitosis
- Residents, see under Education; Manpower
- Respiration, see under Metabolism, oxygen consumption; Ventilation
- Respiratory resistance, see under Lung
- REVES, J. G., SAMUELSON, P. N., LELL, W. A., LINNAN, M., Mc DANIEL, H. G., KOUCHOURAS, N. T., and SMITH, L. R., Violation of RPP exercise threshold in coronary patients (abstr), S64
- , see SAMUELSON, P. N., jt. auth.
- REYNOLDS, J. C., see WYNNE, J. W., jt. auth.
- REYNOLDS, R. N., see ROSENBERG, M. B., jt. auth.
- REZNICK, A. M., EPSTEIN, M. A. F., and EPSTEIN, R. A., End tidal sampling of CO₂ in infants (abstr), S387
- RHOTON, F., CASCORBI, H. F., and SCHNEIDER, A. J. L., Pretests: predictions of final examination performance? (abstr), S345
- RHYNE, L., see JAMES, F. M., jt. auth.
- RICE, S. A., see BADEN, J. M., jt. auth. (2)
- , see FISH, K. J., jt. auth. (2)
- , see WHARTON, R. D., jt. auth.
- RICHIEY, J. V., see WILSON, R. D., jt. auth.
- RICHMAN, K. A., KIM, Y. L., and MARSHALL, B. E., Thrombocytopenia induced by Swan-Ganz catheters (abstr), S161
- RICHTER, J. J., and WHITE, S., Halothane and brain hexokinase activity (abstr), S257
- RIET, E. K., see BIDWAI, A. V., jt. auth.
- Rigidity, see under Muscle, skeletal
- RIMMER, M. A., see ZIDEMAN, D. A., jt. auth.
- RIZK, S. F., Ketamine is safe in intermittent porphyria (correspondence), 184
- RNA, see under Metabolism
- RO-21-3981, see Hypnotics, benzodiazepines, midazolam
- ROAF, E. R., SLAVIN, R., EPSTEIN, M., and COHEN, A., Applications of the transcutaneous oxygen electrode in neonatal intensive care (abstr), S296
- ROBERTS, B., see BARTKOWSKI, R. R., jt. auth.
- , see KLINEBERG, P. L., jt. auth.
- ROBERTS, J. T., see FAHMY, N. R., jt. auth.
- ROBERTSON, D. H., see STANLEY, T. H., jt. auth.
- ROBERTSON, D. M., see BACKER, C. L., jt. auth.
- ROBERTSON, J. M., WILSON, G. J., WALTERS, F. J., STEWARD, D. J., and MACGREGOR, D. C., Intramyocardial pH monitoring in elective cardiac arrest (abstr), S94
- ROBILLARD, J. E., see KENNEDY, R. L., jt. auth.
- ROBINSON, J. D., see BOYSEN, P. G., jt. auth.
- ROBINSON, S., Broken code—the ASA classification exposed (correspondence), 180
- , GREGORY, G. A., FISCHER, D., HOFFMAN, J. I. E., and RUDOLPH, A. M., Age-related changes in coronary blood flow and resistance in chronically instrumented sheep (abstr), S323
- , see VERRIER, E. D., jt. auth.
- , see WARE, R., jt. auth.
- ROCKOFF, M., INGVAR, M., GAGNON, R., RAY, K., NAUGHTON, K. V. H., MARSHALL, L. F., and SHAPIRO, H. M., Cerebral circulatory and metabolic responses to intravenously administered lorazepam (abstr), S42
- ROGERS, C. R., see BIDWAI, A. V., jt. auth. (3)
- ROGERS, M. C., HAMBURGER, C., OWEN, K., EPSTEIN, M. H., Intra-cranial pressure in the cat during nitroglycerin-induced hypotension, 227
- , and TRAYSTMAN, R. J., Nitroglycerin and nitroprusside induced changes in cerebral hemodynamics (abstr), S199
- ROGERS, S. N., see BENUMOF, J. L., jt. auth.
- ROIZEN, M. F., see CRAFT, J. B., jt. auth.
- , and HORRIGAN, R. W., Anesthetic dose that blocks adrenergic response to incision (abstr), S141
- , see STANLEY, T. H., jt. auth.
- ROLBIN, S. H., LEVINSON, G., SCHNIDER, S. M., BIEHL, D. R., and WRIGHT, R. G., Dopamine treatment of spinal hypotension decreases uterine blood flow in the pregnant ewe, 36
- , see COLE, A. F. D., jt. auth.
- , see HEW, E. M., jt. auth.
- RORIE, D. K., TYCE, G. M., and MULDOON, S. M., Effects of fentanyl on adrenergic nerves in coronary artery (abstr), S145
- , see NAUSS, L. A., jt. auth.
- ROSALES, J. K., see BEVAN, J. C., jt. auth.
- ROSE, D., FOREST, R., and COURTOFFIDES, T., Acute normovolemic hemodilution (abstr), S91
- ROSE, J. R., see WHEELER, A. S., jt. auth.
- ROSEN, M., and REES, G. A. D., More on fathers in the delivery room (correspondence), 476
- ROSENBAUM, S. H., ASKANAZI, J., HYMAN, A. I., MUKHERJEE, A., MILIC-EMILI, J., and KINNEY, J. M., Breathing patterns during curare-induced muscle weakness, S367
- , ASKANAZI, J., HYMAN, A. I., SILVERBERG, P. A., MILIC-EMILI, J., and KINNEY, J. M., Respiratory patterns in profound nutritional depletion (abstr), S366
- , see ASKANAZI, J., jt. auth.
- ROSENBERG, H., see BARTKOWSKI, R. R., jt. auth.
- , see KEYIAH, M. M., jt. auth.
- , see KLINEBERG, P. L., jt. auth.
- ROSENBERG, M. B., WUNDERLICH, B. K., and REYNOLDS, R. N., Iatrogenic subcutaneous emphysema during dental anesthesia (clinical reports), 80
- ROSENBLATT, R., PEPITONE-ROCKWELL, F., MCKILLOP, M. J., Continuous axillary analgesia for traumatic hand injury (clinical reports), 565
- , see HENZIG, D., jt. auth.
- , see REAMES, E., jt. auth.
- ROSENBLATT, R. M., The air test for regional blocks (correspondence), 95
- ROSENTHAL, M. H., see FEELY, T. W., jt. auth.
- , see MIHM, F. G., jt. auth. (2)
- ROSOW, C., MILLER, J., and COCHIN, J., Receptor mediation of opiate effects on temperature (abstr), S31
- ROSS, D. C., see LONGNECKER, D. E., jt. auth.
- ROSS, W. T., JR., DAGGY, B. P., and CARDELL, R. R., JR., Hepatic necrosis caused by halothane and hypoxia in phenobarbital-treated rats, 327
- ROWLINGSON, J. C., see DELANEY, T. J., jt. auth.
- ROY, R. C., and STULLKEN, E. H., EEG arousal by doxapram, naloxone, and physostigmine (abstr), S47
- ROY, W. L., EDELSTAD, G., and GILBERT, B., Myocardial ischemia during non-cardiac surgical procedures in patients with coronary-artery disease, 393
- RUBECK, R. F., see CONAHAN, T. J., jt. auth.
- RUDER, C. B., see OLIVIERO, R. JR., jt. auth.
- RUDOLPH, A. M., see ROBINSON, S., jt. auth.
- RUFFINI, J., see JOBES, D. R., jt. auth.
- RUFFINI, R., see JOBES, D. R., jt. auth.
- RUMBLE, L., and BRANDSTATER, B., Lessons learned in an evolving CPR training center (abstr), S341
- RUSCH, V., see PAVLIN, D. J., jt. auth.
- RUSH, W. J., see COHEN, J. A., jt. auth.
- RUSY, B. F., see RAMPIL, I. J., jt. auth.
- RYAN, J. F., see MATHIEU, A., jt. auth.
- RYDER, W. A., see LOWENSTEIN, E., jt. auth.
- SACHDEV, K., see EDMUND, H. N., jt. auth.
- SADOWSKI, A. R., and MOYERS, J. R., Anesthetic management of the Wolff-Parkinson-White syndrome (clinical reports), 553
- SADRI, S., see WHEELER, A. S., jt. auth.
- SAIDMAN, L. J., see BENUMOF, J. L., jt. auth.
- , see MITCHELL, M. M., jt. auth.
- SAKLAD, M., SULLIVAN, M., PALIOTTA, J., and LIPSKY, M., Pneumotachography: a new, low-dead-space, humidity-independent device (laboratory report), 149
- SAKUMA, K., see MORISHIMA, H. O., jt. auth.

- SALEM, M. R., see JACOBS, H. K., jt. auth.
_____, see RAO, T. L. K., jt. auth.
SAMPSON, J. F., see HUG, C. C., jt. auth.
SAMIRA, S. K., and COHEN, P. J., Interaction of volatile anesthetics and anticholinergics (abstr), S115
SAMUELS, S. I., see BRODSKY, J. B., jt. auth.
SAMUELSON, P. N., REVES, J. G., DOLE, K., SMITH, L. R., and LINNAN, M., Midazolam-N₂O induction in ischemic heart disease patients (abstr), S104
_____, see REVES, J. G., jt. auth.
Saralasin, see under Anesthetic techniques, hypotension, induced
Sarcoplasm, see under Muscle, skeletal
Sarcoplasmic reticulum, see under Heart
SARNQUIST, F. H., MATHERS, W. D., and BLASCHKE, T. F., Steady-state pharmacokinetics of midazolam maleate (abstr), S41
SASSE, F. J., see RAMPII, I. J., jt. auth.
_____, see SMITH, N. T., jt. auth. (2)
SATYANARAYANA, T. T., see AZAR, I., jt. auth.
SAVARAJIAN, M., see LANE, P. E., jt. auth.
SAVARESE, J. J., and WASTILA, W. B., BW444U: an intermediate-duration nondepolarizing neuromuscular blocking agent with significant lack of cardiovascular and autonomic effect (abstr), S279
_____, and WASTILA, W. B., Pharmacology of BW785U: a short-acting nondepolarizing neuromuscular blocking agent (abstr), S277
_____, see ANTONIO, R. P., jt. auth.
_____, see D'AMBRA, M. N., jt. auth.
_____, see LEBOWITZ, P. W., jt. auth.
_____, see WASTILA, W. B., jt. auth.
SCAF, A. H. J., see MEIJER, D. K. F., jt. auth.
SCAMMAN, F. L., Percutaneous sample for blood-gas analysis: arterial or venous blood? (correspondence), 474
_____, see COMSTOCK, M. K., jt. auth.
SCARPELLI, E. M., AULD, P. A. M., and GOLDMAN, H. S., *Pulmonary Disease of the Fetus, Newborn and Child* (book review), 99
SCHARBER, R., see RAUDZENS, P., jt. auth.
SCHAUBLE, J. F., WENDER, R. H., CARROLL, R. M., MARUSCHAK, G. F., and ELLIOT, P. L., Sensitivity of the left ventricle to outflow resistance (abstr), S107
SCHEIDECKER, D., and DROP, L. J., The relationship between duration of Q-T interval and plasma ionized calcium concentration: experiments with acute, steady rate [Ca⁺⁺] changes in the dog, 143
SCHELLINGER, D., see MACKENZIE, C. F., jt. auth.
SCHENK, H. D., see SONNTAG, H., jt. auth.
SCHICK, L. M., see MUNSON, E. S., jt. auth.
SCHLOBOHM, R. M., see KRONBERG, G. M., jt. auth.
SCHNEIDER, A. J. L., KNOKE, J. D., ZOLLINGER, R. M., JR., McLAREN, C. E., and BAETZ, W. R., Morbidity prediction using pre- and intraoperative data, 4
_____, and McLAREN, C. E., Morbidity and blood pressure variability (abstr), S349
_____, and REDFORD, J. E., Historical pulse tracings made during anesthesia (special article), 242
_____, see RHOTON, F., jt. auth.
SCHNEIDER, R. C., SHEETS, W. C., TRIANTAFILLOU, A., and LAPPAS, D. G., Hemodynamic effects of dobutamine in cardiac surgical patients (abstr), S110
_____, see LAPPAS, D. G., jt. auth.
_____, see PHILBIN, D. M., jt. auth.
SCHNEIDERMAN, S., see FIRESTONE, S., jt. auth.
SCHNIDER, S. M., see ROLBIN, S. H., jt. auth.
SCHUESSLER, G. B., see FAN, F. C., jt. auth.
SCHULZ, J. M., and PINCHAK, A. C., Low-cost microcomputer generation of physiologic profile (abstr), S148
SCHWARTZ, A. J., JOBES, D. R., GREENHOW, D. E., STEPHENSON, L. W., and ELLISON, N., Carotid artery puncture with internal jugular cannulation (abstr), S160
_____, ORKIN, F. K., and ELLISON, N., Anesthesiologists are CPR experts! (correspondence), 478
_____, ORKIN, F. K., and ELLISON, N., Anesthesiologists' knowledge of advanced CPR (abstr), S340
_____, see JOBES, D. R., jt. auth. (2)
_____, see LIEBERMAN, R. W., jt. auth. (2)
SCHWARTZ, D. J., see GIBBS, C. P., jt. auth.
SCHWARTZ, J. G., see SHUTACK, J. G., jt. auth.
SCHWELLER, T. A., see QUASHA, A. L., jt. auth.
Scoliosis fusion, see under Surgery, orthopedic
Scopolamine, see under Parasympathetic nervous system; Pre-medication
SCURLOCK, J. E., and CURTISS, B., The clinical potential of tetrodotoxin (abstr), S232
_____, see CURTISS, B., jt. auth.
SEAGARD, J. L., see BACHHUBER, S. R., jt. auth.
SEGAL, B. J., Tracheal constriction or decreased lung-thorax compliance from opiates (correspondence), 183
Seizure threshold, see under Brain; Complications, convulsions
SELLMAN, R., see KANTO, J., jt. auth.
Semiclosed circuits, see under Equipment, circuits
Sensory decision theory, see under Measurement techniques; Pain
Septic shock, see under Shock
Septicemia, see under Infection
Serotonin (5-hydroxytryptamine)
halothane effects on uptake and metabolism in rat lungs perfused *in situ* (abstr) [Rannels & others], S251
ketamine
analgesia mediation by biogenic amine and endogenous opiate processes (abstr) [Pekoe & Smith], S36
effects on biosynthesis (abstr) [Martin & Smith], S11
Sevoflurane, see under Anesthetics, volatile
SF₆, see under Gases, nonanesthetic, freons
SHAFFER, T. H., see SHUTACK, J. G., jt. auth.
SHAND, D. G., see WOOD, M., jt. auth.
SHANKS, C. A., SOMOGYI, A. A., and TRIGGS, E. J., Dose-response and plasma concentration-response relationships of pancuronium in man, 111
SHAPIRO, B., see BRYAN-BROWN, C. W., jt. auth.
SHAPIRO, B. A., see CANE, R. D., jt. auth.
_____, see NATONSON, R., jt. auth.
SHAPIRO, H. M., see ALFERY, D. D., jt. auth.
_____, see GAGNON, R. L., jt. auth. (4)
_____, see INGVAR, M., jt. auth.
_____, see MARSH, M. L., jt. auth. (2)
_____, see MYERS, R. R., jt. auth.
_____, see RAY, K. F., jt. auth.
_____, see ROCKOFF, M., jt. auth.
SHARBROUGH, F. W., see CUCCHIARA, R. F., jt. auth.
_____, see QUASHA, A. L., jt. auth.
SHARROCK, N. E., and GREENIDGE, J., Epidural dose responses in pregnant and nonpregnant patients (abstr), S298
_____, The influence of height on epidural spread in young and old patients (abstr), S224
SHEETS, W. C., see SCHNEIDER, R. C., jt. auth.
SHEINER, L. B., see CRONNELLY, R., jt. auth.
_____, see STANSKI, D. R., jt. auth. (3)
SHERRILL, D. L., see GOLDMAN, E., jt. auth.
_____, see LUQUE, J., jt. auth.
SHIEH, D. D., see GOTO, H., jt. auth.
_____, see UEDA, I., jt. auth.
SHIMADA, Y., YOSHIYA, I., TANAKA, K., YAMAZAKI, T., and KUMON, K., Crying vital capacity and maximal inspiratory pressure as clinical indicators of readiness for weaning of infants less than a year of age (clinical reports), 456
SHIMOSATO, S., and KEMMOTSU, O., Active stiffness of left ventricle during anesthesia (abstr), S106
SHIN, B., MACKENZIE, C. F., FRIEDMAN, S., and SOHMER, P. R., Hypokalemia after trauma and component transfusion therapy (abstr), S206
_____, MACKENZIE, C. F., and HELRICH, M., Comparison of halothane vs. droperidol-fentanyl in traumatic shock (abstr), S101
_____, MACKENZIE, C. F., MCASLAN, T. C., HELRICH, M., and COWLEY, R. A., Postoperative renal failure in trauma patients, 218
_____, see MACKENZIE, C. F., jt. auth. (2)
SHIRASAWA, R., see NGAI, S. H., jt. auth.
SHNIDER, S. M., see ABBoud, T., jt. auth.

- , see WARD, M. G., jt. auth.
- Shock**
see also under Anesthetics, gases; Anesthetics, volatile; Microcirculation
cardiogenic, lung capillary permeability in (abstr) [Massion & others], S173
- septic
dopamine-beta-hydroxylase activity decreased in (abstr) [Harari & others], S155
- fentanyl-oxygen anesthesia for (abstr) [Stanley & Reddy], S100
- traumatic**
fentanyl-droperidol and halothane compared (abstr) [Shin & others], S101
- halothane and fentanyl-droperidol compared (abstr) [Shin & others], S101
- Shunt**, see under Heart; Lung; Oxygen, gradients; Ventilation
- SHUTACK, J. G.**, FOX, W. W., SHAFFER, T. H., SCHWARTZ, J. G., and MOOMJIAN, A. S., Low rate intermittent mandatory ventilation (IMV) in the neonate (abstr), S182
- SIESJÖ, B. K.**, see SMITH, D. S., jt. auth.
- SIEVENPIPER, T. J.**, see FISH, K. J., jt. auth.
- Sighing**, see under Ventilation
- SIKER, E. S.**, see GOODLOE, S. L., jt. auth.
- SILVERBERG, P. A.**, see ROSENBAUM, S. H., jt. auth.
- SIMCHON, S.**, see FAN, F. C., jt. auth.
- SIMMON, V. F.**, see EDMUNDS, H. N., jt. auth.
- SIPES, I. G.**, and GANDOLFI, A. J., Bioactivation and hepatotoxicity of $^{2}H/^{3}H$ halothane (abstr), S242
- , see BLITT, C. D., jt. auth.
- , see BROWN, B. R., jt. auth.
- , see McLAIN, G. E., jt. auth.
- SISKO, F.**, HAGERDAL, M., and NEUFELD, G. R., Artifactual hypotension without damping, a hazard of disposable diaphragm-domes (clinical reports), 263
- SIUKOLA, L. V. M.**, see WHITCHER, C. E., jt. auth.
- SIVARAJAN, M.**, LANE, P., MILLER, E. V., LIU, P., WILLENNIKIN, R., HERR, G., WINTER, P., HARDY, C., MULROY, M., and BASSELL, G., Continuous lumbar epidural anesthesia skill test (abstr), S342
- , see FARMER, B. C., jt. auth.
- SKAREDOFF, M. N.**, and VIGUERA, M. G., New respiratory monitor (correspondence), 570
- Skeletal muscle**, see Muscle, skeletal
- SLATER, E. E.**, see FAHMY, N. R., jt. auth.
- , see HICKEY, P., jt. auth.
- , see LAPPAS, D. G., jt. auth.
- , see PHILBIN, D. M., jt. auth.
- SLAVIN, R.**, see ROAF, E. R., jt. auth.
- SLOCUM, H. C. Jr.**, and LINNAN, M., Usefulness of Swan-Ganz catheters in left main coronary disease (abstr), S60
- SMITH, B. E.**, Prophylaxis of epidural "wet tap" headache (abstr), S304
- SMITH, D. J.**, see MARTIN, L. L., jt. auth.
- , see PEKOE, G. M., jt. auth.
- SMITH, D. S.**, ORKIN, F. K., GARDNER, S. M., and ZAKEOSIAN, G., Prolonged sedation in the elderly after intraoperative atropine administration (clinical reports), 348
- , REHCNRONA, S., and SIESJÖ, B. K., Lipid peroxidation in brain: effects of sedatives (abstr), S44
- SMITH, F. R.**, see HOLADAY, D. A., jt. auth.
- SMITH, L. R.**, see REVES, J. G., jt. auth.
- , see SAMUELSON, P. N., jt. auth.
- SMITH, N. J.**, see LINDE, H. W., jt. auth.
- SMITH, N. T.**, and BAKER, A. B., The human EEG during thiopental or althesin induction (abstr), S6
- , HOFF, B. H., RAMPIL, I. J., SASSE, F. J., and FLEMMING, D. C., Does thiopental or N₂O disrupt the EEG during enflurane? (abstr), S5
- , RAMPIL, I. J., SASSE, F. J., HOFF, B. H., and FLEMMING, D. C., EEG during rapidly changing halothane or enflurane (abstr), S4
- , see RAMPIL, I. J., jt. auth.
- SMITH, R. B.**, see BORMAN, B., jt. auth.
- , see TURK, J., jt. auth.
- SMITH, R. W.**, see GAGNON, R. L., jt. auth.
- , see MARSH, M. L., jt. auth.
- SMITH, T. C.**, Comparison of naltrexone and naloxone in man (abstr), S373
- SNIDER, M. T.**, see TEPLICK, R., jt. auth.
- SNYDER, E. L.**, GRUM, P., COOPER-SMITH, M., and JAMES, R., Transfusion of platelets through microaggregate filters (abstr), S205
- SNYDER, S. W.**, WHEELER, A. S., and JAMES, F. M., The use of nitroglycerin to control severe hypertension of pregnancy during cesarean section (clinical reports), 563
- Soda lime**, see under Carbon dioxide, absorption
- SODAL, I. E.**, SWANSON, G. D., MICCO, A., and ELLIS, D., Anesthetic uptake using a new mass spectrometer system (abstr), S374
- Sodium**, see under Acid-base equilibrium; Ions
- SOETENS, M.**, see BLEYAERT, A., jt. auth.
- SOHMER, P. R.**, see SHIN, B., jt. auth.
- SOHN, Y. J.**, see BOOIJ, L. H. D. J., jt. auth.
- , see CRONNELLY, R., jt. auth.
- SOKOL, L.**, see FOLDES, F. F., jt. auth.
- SOKOLL, M. D.**, CARTER, J. G., and GERGIS, S. D., Spinal cord transection and nerve muscle transmission (abstr), S274
- SOLOLOMON, M. L.**, see LIEDING, K. G., jt. auth.
- Solubility**
blood-brain, fentanyl concentrations and, during respiratory acid-base changes in dog [Ainslie & others], 293
- partition coefficients
halothane, metabolites, reductive, reactivity (abstr) [Denson & Ford], S243
- lidocaine in phospholipid liposomes (abstr) [Trudell & others], S13
- SOMOGYI, A. A.**, see SHANKS, C. A., jt. auth.
- SON, S. L.**, Zero suppression in cardiovascular pressure monitoring (correspondence), 573
- SONNTAG, H.**, MERIN, R. G., DONATH, U., RADKE, J., and SCHENK, H. D., Myocardial metabolism and oxygenation in man awake and during halothane anesthesia, 204
- Sore throat**, see under Complications
- SOUKHANOV, A. H.**, Webster's Medical Office Handbook (book review), 585
- SOUTHWICK, J. P.**, and KATZ, J., Unusual airway difficulty in the acromegalic patient—indications for tracheostomy (clinical reports), 72
- SPECTOR, S.**, see YANG, J. C., jt. auth.
- SPENCER, R.**, see HILBERMAN, M., jt. auth.
- SPIERDIJK, J.**, see BURM, A. G. L., jt. auth.
- Spinal**
anesthesia, see under Anesthetic techniques
- cord
blood flow, arterial pressure effects on (abstr) [Fahmy & others], S79
- blood flow, hypotension, deliberate, effects on hemodynamics (abstr) [Jacobs & others], S80
- dorsal-horn neurons, effects of intravenously administered lidocaine on [Dohi & others], 123
- dorsal horn neurons, halothane effects on heat-evoked responses (abstr) [Namiki & others], S19
- transection, halothane and central nervous system modulation of circulation [Bousquet & others], S55
- transection, neuromuscular transmission and (abstr) [Sokoll & others], S274
- quadriplegia, with autonomic hyperreflexia, obstetric anesthesia in (clinical report) [Stiri & others], 560
- reflexes, autonomic hyperreflexia in quadriplegic patient, obstetric anesthesia in (clinical report) [Stiri & others], 560
- rexed lamina V, effects of morphine on activity of neurons of [Dohi & others], 408
- SQUIRES, K. C.**, see UHL, R. R., jt. auth.
- STALCUP, S. A.**, see PANG, L. M., jt. auth.

- STANHOPE, R. C., see NATONSON, R., jt. auth.
- STANLEY, T. H., BERMAN, L., GREEN, O., ROBERTSON, D. H., and ROIZEN, M., Fentanyl-oxygen anesthesia for coronary artery surgery: plasma catecholamine and cortisol responses (abstr), S139
- , and LOESER, E. A., Minimizing sore throat (correspondence), 488
- , and REDDY, P., Fentanyl-oxygen anesthesia in septic shock (abstr), S100
- , see BENNETT, G., jt. auth.
- , see BIDWAI, A. V., jt. auth. (4)
- , see LUNN, J. K., jt. auth.
- , see REDDY, P., jt. auth.
- STANSKI, D. R., HAM, J., MILLER, R. D., and SHEINER, L. B., Pharmacokinetics and pharmacodynamics of d-tubocurarine during nitrous oxide-narcotic and halothane anesthesia in man, 235
- , HAM, J., MILLER, R. D., and SHEINER, L. B., Time dependent increase in sensitivity to DTC during enflurane anesthesia (abstr), S269
- , and SHEINER, L. B., Pharmacokinetics and dynamics of muscle relaxants (editorial views), 103
- , see CRONNELLY, R., jt. auth.
- , see HAM, J., jt. auth.
- , see MUHM, F. G., jt. auth.
- , see O'KEEFFE, C. O., jt. auth.
- STANTON-HICKS, M. D'A. (ed.), *Regional Anesthesia: Advances and Selected Topics* (book review), 280
- STARR, A., see UHL, R. R., jt. auth.
- Starvation, see under Metabolism
- Statistics
- education, pretests as predictors of final examination performance (abstr) [Rhoton & others], S345
 - morbidity, blood pressure variability as predictor (abstr) [Schneider & McLaren], S349
 - mortality, operative, 25-year review (abstr) [Kahn & others], S350
- STEEN, P. A., see ARTRU, A. A., jt. auth.
- STEFFENSON, J. L., see MCLESKEY, C. H., jt. auth.
- STEHLING, L. C., and ZAUDER, H. L., A modified endotracheal tube for laser microsurgery (correspondence), 571
- , see JONES, D. J., jt. auth.
- STEINBERG, J. J., see HEISER, M., jt. auth.
- Stellate ganglion, see under Anatomy; Anesthesia, diagnostic; Anesthesia, therapeutic; Anesthetic techniques, regional; Heart; Sympathetic nervous system, ganglia
- STEPHENSON, L. W., see SCHWARTZ, A. J., jt. auth.
- STERN, L. Z., see BLANCK, T. J. J., jt. auth.
- STERNBACH, R. A., *The Psychology of Pain* (book review), 190
- Steroids, see under Anesthetics, intravenous; Hormones, adrenal; Hormones, corticosteroid
- STEUDL, G. M., see LIEIDING, K. G., jt. auth.
- STEVENS, J. J., Another indication for an epidural blood patch (correspondence), 96
- STEVENS, W. C., see COMSTOCK, M. K., jt. auth. (2)
- STEVENSON, P. H., and BIRCH, A. A., Succinylcholine-induced hyperkalemia in a patient with a closed head injury (clinical reports), 89
- STEWARD, D. J., see ROBERTSON, J. M., jt. auth.
- , see ZIDEMAN, D. A., jt. auth.
- STIFFEL, P., and HAMEROFF, S. R., A modified technique for trans-tracheal anesthesia (correspondence), 274
- Stimulator, nerve, see under Monitoring
- STINSON, E. B., see HILBERMAN, M., jt. auth.
- STINSON, T. W., and DONLON, J. V., Interaction of intraocular SF₆ and air with nitrous oxide (abstr), S16
- STIRT, J. A., MARCO, A., and CONKLIN, K. A., Obstetric anesthesia in a quadriplegic patient with autonomic hyperreflexia (clinical reports), 560
- STOELTING, R. K., see BOND, V. K., jt. auth.
- , see NAWAF, K., jt. auth.
- , see VIEGAS, O., jt. auth.
- STOKKE, D. B., see OSEBURG, B., jt. auth.
- Stomach, see under Gastrointestinal tract; Vomiting
- STONE, D. R., DOWNS, J. B., PAUL, W. L., and PERKINS, H. M., Humidification and body temperature during anesthesia in adults (abstr), S359
- STONE, J. G., GALABRO, J. R., DEPETRILLO, M. A., HOAR, P. F., and BENDIXEN, H. H., Afterload reduction and preload augmentation (abstr), S66
- , see KHAMBATTA, H. J., jt. auth. (2)
- Stored blood, see under Transfusion
- Stress, see under Sympathetic nervous system
- STRONG, S., see GELMAN, S., jt. auth.
- STULLKEN, E. H., see ROY, R. C., jt. auth.
- Students, see under Education, medical students
- Styles, see under Equipment
- Succinylcholine, see under Neuromuscular relaxants
- Sufentanil, see under Anesthetics, intravenous
- SULLIVAN, H., see RAO, T. L. K., jt. auth.
- SULLIVAN, M., see SAKLAD, M., jt. auth.
- SULLIVAN, M. T., see NEFF, W. B., jt. auth.
- SUMPTER, R. M., see ZAIDAN, J. R., jt. auth.
- SUNDER, N., see FAHMY, N. R., jt. auth.
- Surfactant, see under Lung
- Surgery
- abdominal, renin activity, plasma, extradural analgesia, and (abstr) [Bevan & others], S228
 - cardiac
 - afterload reduction and preload augmentation (abstr) [Stone & others], S66
 - anemia, normovolemic, in coronary disease, hemodynamic changes due to (abstr) [Rao & others], S164
 - anticoagulation monitoring and reversal, blood loss with (abstr) [Jobes & others], S167
 - aortic valvular disease patients, metocurine effects during morphine-diazepam-oxygen anesthesia (abstr) [Zaidan & others], S137
 - arrest, elective, intramyocardial pH monitoring in (abstr) [Robertson & others], S94
 - cardiopulmonary bypass effects on myocardial compliance and performance (abstr) [Mangano & others], S108
 - cardiopulmonary bypass, optimal filling pressures following (abstr) [Mangano & others], S165
 - cardiopulmonary bypass, optimal placement of central venous catheter before (correspondence) [Husum], 577
 - coronary artery bypass grafting, ischemia incidence using halothane (abstr) [Lieberman & others], S90
 - coronary-artery bypass grafting, neostigmine-atropine after (abstr) [Brooks & others], S168
 - coronary artery bypass, hemoglobin-oxygen affinity changes during (abstr) [Graham & others], S93
 - coronary-artery, fentanyl-oxygen anesthesia for, plasma catecholamine and cortisol responses (abstr) [Stanley & others], S139
 - dobutamine hemodynamic effects (abstr) [Schneider & others], S110
 - dobutamine hemodynamic effects with and without propranolol (abstr) [Rao & others], S154
 - dobutamine response in patients taking propranolol (abstr) [Jarmian & others], S111
 - left ventricular mechanoreceptor reflex function (abstr) [Estrin & others], S114
 - myocardial ischemic deterioration, global, anesthetics vs. (abstr) [Walls & others], S144
 - nitroglycerin, coronary-artery disease hemodynamic responses (abstr) [Landry & others], S69
 - nitroglycerin, intranasal administration (abstr) [Hill & others], S67
 - nitroglycerin, systolic time interval dose-response to (abstr) [Dauchot], S68
 - pericardium effect on ventricular function (abstr) [Mangano], S126
 - potassium cardioplegia, urinary and serum K⁺ after (abstr) [Azar & others], S96

- pediatric cardiopulmonary bypass, glucose utilization during (abstr) [Bevan & Rosales], S322
- pediatric, heparin activity during (abstr) [Cohen & others], S321
- pulmonary arterial monitoring during (abstr) [Mangano], S162
- pulmonary capillary wedge pressure and central venous pressure relationship (abstr) [Mangano], S162
- rate-pressure product exercise threshold violation in coronary patients (abstr) [Reves & others], S64
- renin-angiotensin, catecholamine interaction with in (abstr) [Lappas & others], S98
- renin release response to dietary sodium (abstr) [Hickey & others], S113
- stress of anesthesia and surgery, renin, catecholamine, and vasopressin response to (abstr) [Philbin & others], S121
- Swan-Ganz catheters in left main coronary disease (abstr) [Slocum & Linnar], S60
- thermodilution cardiac output determinations in small infants (abstr) [Zideman & others], S320
- vasoactive mediators and human cardiopulmonary bypass (abstr) [Watkins & others], S97
- cardiovascular**
- cardiopulmonary bypass, hypothermic, heparin activity prolonged during (abstr) [Entress & others], S99
 - cardiopulmonary bypass, propranolol binding in plasma during [Wood & others], 512
 - cardiopulmonary bypass, rewarming on, heat dosage vs. distribution during (abstr) [Noback & Tinker], S134
 - cardiopulmonary bypass, vasoactive mediators and (abstr) [Watkins & others], S97
 - coronary artery bypass grafting, wedge pressure to predict ischemia (abstr) [Lieberman & others], S59
 - carotid endarterectomy, electroencephalography filter-processor as indicator of cerebral ischemia during (clinical report) [Cucchiara & others], 77
 - glucose control in normal and obese patients (abstr) [McLeskey & others], S250
 - gynecologic, bupivacaine and tetracaine for spinal block, comparison (abstr) [Moore], S211
 - intensive care unit admission, elective, benefits for certain operations (abstr) [Teplick & others], S150
 - laser, modified endotracheal tube for (correspondence) [Patil], 571
 - monitoring, intraoperative, computer technology application (abstr) [Mitchell & others], S334
 - myasthenia gravis, postoperative ventilatory need, prediction (abstr) [Leventhal & others], S151
 - neurosurgery
 - aneurysm, cerebral, hypotensive drugs and outcome (abstr) [Frost & others], S82
 - microvascular anastomosis, brain bounce control during (abstr) [Lobo & Brauer], S83
 - nitroprusside-induced renin release abated by propranolol (abstr) [Khambatta & others], S74 - orthopedic
 - bone cement, methylmethacrylate, myocardial depressant and peripheral dilator (abstr) [Johansen & Benumof], S77
 - scoliosis fusion, hypotension, deliberate, for (abstr) [Grundy & others], S78
 - thoracic, optimal positioning for (correspondence) [Betts], 483 - thoracic, cryoprobe nerve block after thoracotomy (abstr) [Katz & others], S233
 - tonsillectomy, laryngospasm, post-extubation, after, prevention (abstr) [Bidwai & others], S50
 - tracheostomy, indications for, in airway difficulty in acromegalic patient (clinical report) [Southwick & Katz], 72
 - urologic
 - pediatric use of halothane and enflurane, urodynamic studies (abstr) [Lieding & others], S314
- renal transplantation, hyperkalemia and cardiac arrests during, in insulin-dependent diabetic patient (clinical report) [Hirshman & Edelstein], 161
- vascular**
- aortic clamping, respiratory resistance during (abstr) [Campanesi & others], S365
 - aortic cross-clamp, anesthetic techniques during compared (abstr) [Bartkowski & others], S136
 - aortic cross-clamping, infrarenal, pulmonary changes (abstr) [Klineberg & others], S388
 - aortic cross-clamping, myocardial temperature monitoring during (abstr) [Ching & Hulse], S95
 - aortic reconstructive, adrenergic blockade and temporary shunt hemodynamic effects (abstr) [Thomson & others], S125
 - intraoperative cardiovascular state and cardiac subsets (abstr) [Dauchot], S112
- SUTER, P. M.**, see FORSTER, A., jt. auth.
- Swan-Ganz catheter**, see under Equipment, catheters, pulmonary-artery
- SWANSON, G. D.**, see DECAMPO, T., jt. auth.
- , see LUQUE, J., jt. auth.
- , see SODAL, I. E., jt. auth.
- SWAYZE, C. R.**, see ESTRIN, J. A., jt. auth.
- Sympathetic nervous system**
- adrenergic transmission
 - epinephrine mechanism of action during resuscitation (abstr) [Otto & others], S152
 - fentanyl effect on coronary-artery adrenergic nerves (abstr) [Rorie & others], S145
 - and hypotension with anesthesia in disulfiram-treated patients (correspondence) [Diaz & Hill], 366
 - malignant hyperthermia muscle, neurotransmitter effect (abstr) [Gronert & Milde], S247
 - nitroglycerin effects in gravid ewes (abstr) [Wheeler & others], S291
 - alpha-adrenergic receptors, ketamine dual effect on peripheral vasculature (abstr) [Liao & others], S116
 - aminophylline, vascular resistance, pulmonary, response to (abstr) [deBros & others], S128
 - beta-adrenergic receptors
 - aortic reconstructive surgery, adrenergic blockade and temporary shunt hemodynamic effects (abstr) [Thomson & others], S125
 - myocardial, dobutamine effect on during halothane (abstr) [Bernstein & others], S109
 - renal hypertensive patients receiving antagonists, hemodynamic effects of anesthesia and surgery in (abstr) [Prys-Roberts], S122
- catecholamines**
- cardiopulmonary bypass and vasoactive mediators (abstr) [Watkins & others], S97
 - dopamine-beta-hydroxylase, septic shock decreases activity (abstr) [Harari & others], S155
 - epinephrine, defibrillation energy needs, time and therapy affect (abstr) [Yakaitis & Ewy], S153
 - epinephrine, fentanyl-oxygen anesthesia for coronary-artery operations, plasma catecholamine and cortisol responses (abstr) [Stanley & others], S139
 - epinephrine, hyperthermic alteration (abstr) [Kim & others], S127
 - epinephrine, hypokalemia, chronic, and dysrhythmias during anesthesia (abstr) [Wong & others], S118
 - epinephrine, mechanism of action during resuscitation (abstr) [Otto & others], S152
 - morphine-diazepam, adrenergic response to (abstr) [Hoar & others], S105
 - nitroprusside tachyphylaxis development (abstr) [Fahmy & others], S72
 - norepinephrine, adrenergic response to incision, anesthetic dose that blocks (abstr) [Roizen & Horrigan], S141

- norepinephrine, bupivacaine, intravenous injection in pregnant ewe (abstr) [Craft & others], S309
norepinephrine, fentanyl-oxygen anesthesia for coronary-artery operations, plasma catecholamine and cortisol responses (abstr) [Stanley & others], S139
norepinephrine, hyperthermic alteration (abstr) [Kim & others], S127
norepinephrine, ketamine analgesia mediation by biogenic amine and endogenous opiate processes (abstr) [Pekoe & Smith], S36
norepinephrine, ketamine dual effect on peripheral vasculature (abstr) [Liao & others], S116
plasma levels, during local anesthesia for cataract operations (clinical report) [Donlon & Moss], 471
propranolol abates nitroprusside-induced renin release (abstr) [Khambatta & others], S74
renin-angiotensin interaction with in cardiac surgical patients (abstr) [Lappas & others], S98
stress of anesthesia and surgery effects (abstr) [Philbin & others], S121
dobutamine
hemodynamic effects in cardiac surgical patients (abstr) [Schneider & others], S110
hemodynamic effects with and without propranolol (abstr) [Rao & others], S154
propranolol therapy, chronic, with (abstr) [Jarman & others], S111
myocardial beta-adrenoreceptor responses to during halothane (abstr) [Bernstein & others], S109
dopamine
bupivacaine, intravenous injection in pregnant ewe (abstr) [Craft & others], S309
fentanyl-oxygen anesthesia for coronary-artery operations, plasma catecholamine and cortisol responses (abstr) [Stanley & others], S139
inhibition, by disulfiram (correspondence) [Diaz & Hill], 366
treatment of spinal hypotension decreases uterine blood flow in pregnant ewe [Rolbin & others], 36
epinephrine
in local anesthesia for cataract operations, plasma catecholamine levels during (clinical report) [Donlon & Moss], 471
morphine-diazepam, adrenergic response to (abstr) [Hoar & others], S105
ganglia, hexamethonium, 4-aminopuridine block reversal (abstr) [Durant & others], S268
ganglionic blocking agents
BW444U autonomic and neuromuscular effects (abstr) [Savarese & Wastila], S279
BW785U autonomic/neuromuscular dose ratios and hemodynamic effects (abstr) [Wastila & Savarese], S278
metocurine, *d*-tubocurarine comparison (abstr) [Antonio & others], S281
norpinephrine, morphine-diazepam, adrenergic response to (abstr) [Hoar & others], S105
ORG-NC₁₅ comparison with *d*-tubocurarine, pancuronium, and metocurine (abstr) [Booij & others], S280
stress, meperidine relief in pregnant baboons and sheep (abstr) [Morishima & others], S292
sympatholytic agents
clonidine, preoperative withdrawal syndrome (clinical report) [Bruce & others], 90
disulfiram, -treated patients, hypotension with anesthesia in (correspondence) [Diaz & Hill], 366
metaprotol, aortic reconstructive surgery, adrenergic blockade and temporary shunt hemodynamic effects (abstr) [Thomson & others], S125
phenoxybenzamine, aortic reconstructive surgery, adrenergic blockade and temporary shunt hemodynamic effects (abstr) [Thomson & others], S125
propranolol, binding in plasma during cardiopulmonary bypass [Wood & others], 512
propranolol, dobutamine hemodynamic effects with and without (abstr) [Rao & others], S154
propranolol, dobutamine response in patients taking (abstr) [Jarman & others], S111
propranolol, nitroprusside dose and cyanide levels reduced by (abstr) [Bedford & others], S131
propranolol, nitroprusside-induced renin release abated by (abstr) [Khambatta & others], S74
propranolol, oxyhemoglobin dissociation curve and (abstr) [Petty & Bageant], S130
propranolol, renal hypertensive patients receiving beta-receptor antagonists, hemodynamic effects of anesthesia and surgery (abstr) [Prys-Roberts], S122
sympathomimetic agents
cardiopulmonary bypass, vasoactive mediators and (abstr) [Watkins & others], S97
ephedrine, placental transfer (abstr) [Ward & others], S307
isoproterenol, malignant hyperthermia muscle, neurotransmitter effect (abstr) [Gronert & Milde], S247
phenylephrine, malignant hyperthermia muscle, neurotransmitter effect (abstr) [Gronert & Milde], S247
Sympatholytic agents, see under Sympathetic nervous system
Sympathomimetic agents, see under Sympathetic nervous system
Synapses, see under Anatomy; Brain; Neuromuscular junction; Spinal cord; Sympathetic nervous system, ganglia
Synapsosome, see under Nerve
Syndromes, see under Complications
Syringes, see under Equipment
- TABADDOR, K., see FROST, E. A. M., jt. auth.
Tachycardia, see under Heart, arrhythmia
Tachypnea, see under Ventilation
TARR, A. O., see LANE, G. A., jt. auth.
TAIT, A. R., see DEROSAYRO, M., jt. auth.
—, see HILL, A. B., jt. auth.
TAKAHASHI, T., see DOHI, S., jt. auth.
TAKESHITA, H., see KURAMOTO, T., jt. auth.
TALNER, N. S., see BARASH, P. G., jt. auth.
—, see FIRESTONE, S., jt. auth.
TANAKA, K., see SHIMADA, Y., jt. auth.
TAUB, A., see DOHI, S., jt. auth.
—, see OHTANI, M., jt. auth.
TAUBE, D., see COHN, M., jt. auth.
TAUNT, K., see BARASH, P. G., jt. auth.
—, see FIRESTONE, S., jt. auth.
TAYLOR, M. D., see DEROSAYRO, M., jt. auth.
—, see HILL, A. B., jt. auth.
—, see LANE, G. A., jt. auth.
Teaching, see under Education
Temperature
see also under Equipment, monitoring; Equipment, temperature blankets; Hyperthermia; Hypothermia; Monitoring body
and neuromuscular blockade (correspondence) [Muravchick], 576
and neuromuscular blockade (correspondence) [Park], 576
chromatographic enflurane determination correction (abstr) [Miller & Randall], S12
cooling
and neuromuscular blockade (correspondence) [Muravchick], 576
and neuromuscular blockade (correspondence) [Park], 576
heating
cardiopulmonary bypass, rewarming, heat dosage *vs.* distribution during (abstr) [Noback & Tinker], S134
neurons, spinal, halothane effects on heat-evoked responses (abstr) [Namiki & others], S19
regulation
cardiopulmonary bypass, rewarming, heat dosage *vs.* distribution during (abstr) [Noback & Tinker], S134

- humidification and during anesthesia in adults (abstr) [Stone & others], S359
- receptor mediation of opiate effects (abstr) [Rosow & others], S31
- TEPLICK, R., CULLEN, D. J., and GILBERT, J. P., Benefit of elective admission for certain operations (abstr), S150
- , SNIDER, M. T., and GILBERT, J. P., Model dependence of the shape of V/Q distributions (abstr) S371
- Teratogenicity, see under Pregnancy; Toxicity
- Tetracaine, see under Anesthetics, local
- Tetrodotoxin, see under Anesthetics, local
- THALHAMMER, J. G., see NAMIKI, A., jt. auth.
- Theophylline, see under Pharmacology
- Theories of anesthesia
- protein surface potential decreased by anesthetics (abstr) [Ueda & others], S14
 - (report of scientific meeting) [Bartkowiak], 580
 - water requirement for pressure reversal (abstr) [Kamaya & Ueda], S15
- Thiopental, see under Anesthetics, intravenous; Anesthetics, rectal
- THOMAS, K. C., see BIRKHAZI, G. B., jt. auth.
- THOMPSON, D. S., see CLARK, R. B., jt. auth.
- THOMPSON, M., see BLANK, T. J. J., jt. auth.
- THOMPSON, T. R., see BELANI, K. G., jt. auth.
- THOMSON, D., NEGLÉN, P., and EKLÖF, B., Central hemodynamic changes during aortic reconstructive surgery—effects of adrenergic blockade and temporary shunt (abstr), S125
- THOMSON, I. R., DALTON, B. C., LAPPAS, D. G., and LOWENSTEIN, E., Right bundle-branch block and complete heart block caused by the Swan-Ganz catheter (clinical reports), 359
- Thoracic anesthesia, see under Anesthetic techniques
- THRASHER, K., see FAHMY, N. R., jt. auth.
- Thrombocytopenia, see under Blood, platelets
- Thrombosis, see under Complications
- THURLOW, A., see COHEN, S. E., jt. auth.
- THURMAN, J. A., see DENSON, D. D., jt. auth.
- Thymidine, see under Cells; Metabolism; Mitosis
- Tidal volume, see under Lung, volume; Ventilation
- TIEN, Y-K, The optimal position of oxyhemoglobin dissociation curve (abstr), S375
- TILLEY, E., see NAMIKI, A., jt. auth.
- TINKER, J. H., and HARRISON, C. E., Protection from myocardial ischemia: role of anesthetics (abstr), S58
- , McCARTY, L. P., and VANDYKE, R. A., A new inhalation anesthetic: metabolism and hemodynamics (abstr), S25
- , see BACKER, C. L., jt. auth.
- , see NOBACK, C. R., jt. auth.
- , see QUASHA, A. L., jt. auth.
- , see WALLS, J. T., jt. auth.
- TODRES, I. D., see GOUDSOUIZAN, N. G., jt. auth.
- Tolazoline, see under Pharmacology
- TOMELDAN, S. A., see MEYER, E. F., jt. auth.
- Tonsillectomy, see under Surgery
- Topical anesthesia, see under Anesthetic techniques; Anesthetics, local
- Total parenteral nutrition, see under Metabolism, nutrition
- TOUNG, T., NGOW, Y. K., KIMURA, T., and CAMERON, J. C., Lung mechanics in experimental pancreatitis (abstr), S376
- Toxicity
- carcinogenicity
 - halogenated anesthetics in [Edmunds & others], 424
 - of halothane in mice [Baden & others], 20
 - cyanide, propranolol reduction of nitroprusside dose and cyanide toxicity (abstr) [Bedford & others], S131
 - fetal, in mice exposed to halothane [Wharton & others], 532
 - halothane on cell division of *Tetrahymena pyriformis* [Conklin & Lau], 508
 - metabolites, trace concentrations, halothane in anesthetists [Duvaldestin & others], 41
 - mutagenicity, halogenated anesthetics in [Edmunds & others], 424
 - spermatogenesis response to trace anesthetics in mouse (abstr) [Land & others], S259
- teratogenicity
- enflurane reproductive safety in female mice (abstr) [Wharton & Mazze], S261
 - in mice exposed to halothane [Wharton & others], 532
 - nitrous oxide, xenon compared with (abstr) [Lane & others], S160
 - xenon, nitrous oxide compared with (abstr) [Lane & others], S160
- trace concentrations
- dental operatory anesthetic hazards (abstr) [Cohen & others], S254
 - of halothane, in mice [Baden & others], 20
 - of halothane, in mice [Wharton & others], 532
 - inhalational anesthetics, mortality experience among anesthesiologists [Lew], 195
 - and mortality among anesthesiologists (editorial views) [Cohen], 193
 - nitrous oxide, cryoprobe leakage into operating room air (abstr) [Wray], S335
 - occupational exposure, education, and sampling methods (abstr) [Whitcher & Siukola], S336
 - sperm morphologic response in mouse (abstr) [Land & others], S259
- TOYOOKA, H., see DOIH, S., jt. auth. (2)
- , see OHTANI, M., jt. auth.
- TRABER, D. L., see ADAIR, T. H., jt. auth.
- Trace anesthetics, see under Anesthetics, gases; Anesthetics, volatile; Equipment, exhaust systems; Operating rooms, exhaust systems; Toxicity
- Trace concentrations, see under Anesthetics, gases; Anesthetics, volatile; Equipment, exhaust systems; Operating rooms, exhaust systems; Toxicity
- Trachea, see under Airway; Lung
- Tracheal intubation, see Intubation, endotracheal
- Tracheostomy, see under Equipment; Surgery; Ventilation, artificial
- Train-of-four stimulation, see under Measurement techniques, neuromuscular blockade; Monitoring, stimulator, nerve; Neuromuscular relaxants, measurement of response
- Transcutaneous oxygen electrodes, see under Measurement techniques, oxygen, electrodes
- Transducers, see under Equipment
- Transfusion
- automatic blood pump for (correspondence) [Moon], 476
 - blood, pressure-infusion system for (correspondence) [Hicks], 364
 - erythrocytes, packed, component therapy after trauma followed by hypokalemia (abstr) [Shin & others], S206
 - stored blood, component therapy after trauma followed by hypokalemia (abstr) [Shin & others], S206
- Transplantation, see under Surgery, individual procedures; individual organs
- Trauma, see under Complications
- TRAUTMAN, E., see COOPER, J. B., jt. auth.
- TRAYSTMAN, R. J., see ROGERS, M. C., jt. auth.
- TREVOR, A. J., see WHITE, P. F., jt. auth.
- TRIANTAFILLOU, A., see SCHNEIDER, R. C., jt. auth.
- Trichloroethylene, see under Anesthetics, volatile
- TRIGGS, E. J., see SHANKS, C. A., jt. auth.
- Trimethaphan, see under Anesthetic techniques, hypotension, induced; Sympathetic nervous system, ganglia
- TRINER, L., VULLIEMEZ, Y., VERSKY, M., and WOO, S. Y., Anticonvulsant effect of halothane and enflurane (abstr), S8
- , see BERNSTEIN, K., jt. auth.
- , see GANGAT, Y., jt. auth.
- , see WOO, S. Y., jt. auth.
- TRUDELL, J. R., HONG, K., O'NEIL, J. R., and COHEN, E. N., Metabolism of nitrous oxide by human and rat intestinal contents, S258
- , NELSON, C., and MASTRANGELO, C. J., Partition coefficients of lidocaine in phospholipid liposomes (abstr), S13
- , see EDMUND, H. N., jt. auth.
- TSAKONA, E. A., see GIALA, M. M., jt. auth.

- TSENG, C-K., PAGE, N. L., WESTENSKOW, D. R., WONG, K. C., and BLATNICK, R. A., Electro-acupuncture modification of halothane mac in the dog (abstr), S7
—, see KAWAMURA, R., jt. auth.
—, see WONG, K. C., jt. auth.
- Tubes
endotracheal, see Equipment, tubes, endotracheal
nasogastric, see Equipment, tubes, nasogastric
- d-Tubocurarine, see under Neuromuscular relaxants
- TUMMURU, K. R., see KONCHIGERI, H. N., jt. auth.
- TURK, J., OXFORD, S., GELINEAU, J., and SMITH, R. B., Oxygenation after tracheal obstruction on air and 100% oxygen (abstr), S357
- TURNDORF, H., see AMIRDIVANI, M., jt. auth.
—, see AZAR, I., jt. auth.
—, see OHN, K. C., jt. auth.
- TURNER, L. A., ZUPERKU, E. J., PURTOCK, R. V., and KAMPINE, J. P., Ventricular conduction during halothane anesthesia (abstr), S85
- TURNER, T., see KENNEDY, R. L., jt. auth.
- TWEED, W. A., see PASCH, M. P., jt. auth.
- TYCE, G. M., see RORIE, D. K., jt. auth.
- TYLER, D. C., PAVLIN, D. J., and CHENEY, F. W., Effect of 80% oxygen on the healing of lung injury (abstr), S170
—, see PAVLIN, D. J., jt. auth.
- UEDA, I., MASHIMO, T., and SHIHEI, D. D., Anesthetics decrease surface potential of protein (abstr), S14
—, see KAMAYA, H., jt. auth.
- UHL, R. R., SQUIRES, K. C., BRUCE, D. L., and STARR, A., The visual evoked response—index of anesthetic potency? (abstr), S18
- ULLYOT, D. J., see GRAHAM, B., jt. auth.
- Ultrasound, see under Measurement techniques
- UNDERWOOD, P. S., see FOLDES, F. F., jt. auth.
- UNG, K. A., see ABADIR, A. R., jt. auth.
- Uptake, see under Induction; Pharmacokinetics
- URBAN, B. J., see FAGRAEUS, L., jt. auth.
- Uridine, see under Cells; Metabolism; Mitosis
- Urine, see under Kidney
- Urologic surgery, see under Surgery
- USUBIAGA, L. J., see WOHLNER, E. C., jt. auth.
- Uterus
blood flow
bupivacaine, intravenous injection in pregnant ewe (abstr) [Craft & others], S309
nitroglycerin effects in gravid ewes (abstr) [Wheeler & others], S291
nitroglycerin, plasma levels and effects in pregnant ewes (abstr) [deRosayro & others], S312
in pregnant ewe, decreased by dopamine treatment of spinal hypotension [Rolbin & others], 36
cesarean section epidural analgesia, local anesthetics in (abstr) [James & others], S310
- VAES, L., see BLEYAERT, A., jt. auth.
- Vagus nerve, see under Parasympathetic nervous system
- VALOVIRTA, E., see KANTO, J., jt. auth.
- VAN DER DONCK, A., see BLEYAERT, A., jt. auth.
- VAN DER ZEE, H., HAKIM, T. S., MALIK, A. B., and LEE, B. C., The effects of PEEP on lung fluid and protein exchange during lung vascular injury (abstr), S185
- VAN DYKE, D. C., see MANGANO, D. T., jt. auth. (2)
- VANDYKE, R. A., see TINKER, J. H., jt. auth.
- VAN EEDEN, A., see BERMAN, L. S., jt. auth.
- VAN POZNAR, A., Are additional cancer studies justified? (correspondence), 487
- VAN STEENBERGE, A. L., see BLEYAERT, A., jt. auth.
- Vascular pressures, see under Heart; Lung
- Vascular surgery, see under Surgery
- VASILIADOU, S., see GIALA, M. M., jt. auth.
- Vasopressin, see under Hormones, antidiuretic
- VATNER, S. F., see PRIANO, L. L., jt. auth.
- VAUGHAN, R. W., CORK, R. C., and HOLLANDER, D., Improvement in oxygenation with massive weight loss (abstr), S191
—, see CORK, R. C., jt. auth. (2)
- Veins
cannulation, styledt intravascular catheters in, history of (correspondence) [Pender], 182
- jugular
external, cannulation, complications, Swan-Ganz catheter insertion, evaluation for (abstr) [Abadir & others], S159
internal, external jugular cannulation, complications, carotid artery puncture (abstr) [Schwartz & others], S160
- venous pressure
cannulation of pediatric patients, teaching (abstr) [Jobes & others], S346
central, pulmonary capillary wedge pressure relation to (abstr) [Mangano], S162
- Ventilation
airway pressure
enflurane ventilatory depression analyzed (abstr) [Wahba], S382
midazolam and diazepam effects compared (abstr) [Forster & others], S383
alveolar, Bain circuit, minute volume effect on P_{CO_2} using (abstr) [Goodloe & others], S379
- anesthetics
effects of, enflurane ventilatory depression analyzed (abstr) [Wahba], S382
effects of, sevoflurane (abstr) [Holaday & Smith], S27
- artificial
anesthesiologists are experts in (correspondence) [Allen], 477
anesthesiologists are experts in (correspondence) [Garman], 477
anesthesiologists are experts in (correspondence) [Schwartz & Ellison], 478
anesthesiologists' knowledge of advanced cardiopulmonary resuscitation (abstr) [Schwartz & others], S340
cardiac life support modular teaching, advanced (abstr) [McSwain & others], S356
cardiopulmonary resuscitation training center (abstr) [Rumble & Brandstater], S341
- carbon dioxide response, and enflurane requirement during lidocaine infusion in dogs [Himes & others], 131
- carbon dioxide tension, cardiac conduction during mechanical ventilation (abstr) [Ammendrup & Atlee], S87
- continuous positive airway pressure, reversed I:E ratio, CPAP and CPPV (abstr) [Berman & others], S188
- continuous positive-pressure, reversed I:E ratio, CPAP and CPPV (abstr) [Berman & others], S188
- deadspace, aortic cross-clamping, infrarenal, pulmonary changes (abstr) [Klineberg & others], S388
- distribution, time constants, flows to lung compartments with differing (abstr) [Epstein & Epstein], S386
- failure
chronic, in infancy, lung function in (abstr) [Loeber & Downes], S328
nutrition for patient with (abstr) [Askanazi & others], S192
oleic acid-induced acute, long-term PEEP therapy and lung water in (abstr) [de Campo & others], S186
PEEP therapy, long-term, and lung water in oleic acid acute respiratory failure (abstr) [de Campo & others], S186
- intermittent mandatory
barotrauma, pulmonary, and mode of ventilation (abstr) [Mathru & others], S190
low-rate, for neonate (abstr) [Shutack & others], S182
- jet, pneumothorax secondary to ball-valve obstruction during use of (clinical report) [Oliverio & others], 255
- mechanical
cardiac conduction and (abstr) [Ammendrup & Atlee], S87
compliance, total lung/thorax vs. static lung (abstr) [Mackenzie & others], S381
education, course for medical students (abstr) [Kushins & others], S344

- high-frequency oscillation in (abstr) [Butler & others], S368
 high-frequency positive-pressure for prolonged respiratory support (abstr) [Carlon & others], S189
 improved system of, for delivery-room management of newborn (clinical report) [Cole & others], 356
 microprocessor control of using carbon dioxide production (abstr) [Jordan & Westenskow], S380
 myasthenia gravis, postoperative ventilatory need, prediction (abstr) [Leventhal & others], S151
 myocardial blood flow alteration by in dogs (abstr) [Geer & others], S208
 PEEP and, long-term, renal responses to in dogs (abstr) [Berry & others], S187
 PEEP-induced discrepancy between pulmonary arterial wedge pressure and left atrial pressure during [Berryhill & Benumof], 303
 PEEP-induced pulmonary arterial diastolic pressure-left atrial pressure gradient (abstr) [Meathe & others], S184
 PEEP-induced pulmonary arterial wedge pressure-left atrial pressure gradient, function of absolute left atrial pressure (abstr) [Johansen & Benumof], S183
 respiratory failure, chronic, in infancy, lung function in (abstr) [Loeber & Downes], S328
 weaning, crying vital capacity and maximal inspiratory pressure as clinical indicators of readiness for (clinical report) [Shimada & others], 456
 weaning, physical ventilatory conditions in neonates and infants (abstr) [Belani & others], S330
 mode, see Ventilation, pattern
 models, dependence on shape of \dot{V}/Q distributions (abstr) [Teplick & others], S371
 monitor of (correspondence) [Dhamee & Jablonski], 474
 monitoring, new monitor for (correspondence) [Skaredoff & Vigueria], 570
 obstruction
 enflurane ventilatory depression analyzed (abstr) [Wahba], S382
 tracheal, oxygenation with air or oxygen after (abstr) [Turk & others], S357
 opioid antagonists naloxone and naltrexone, comparison in man (abstr) [Smith], S373
 oxygen tension (gradients)
 high-frequency positive-pressure ventilation for prolonged respiratory support (abstr) [Carlon & others], S189
 lung injury, oxygen, 80 per cent, effects on healing (abstr) [Tyler & others], S170
 obesity, oxygenation improvement with massive weight loss (abstr) [Vaughan & others], S191
 oxygen, 50 per cent, effects on resolution of experimental lung injury (abstr) [Cheney & others], S169
 reversed I:E ratio, CPAP and CPPV (abstr) [Berman & others], S188
 pattern
 barotrauma, pulmonary, and (abstr) [Mathru & others], S190
 high-frequency positive-pressure ventilation for prolonged respiratory support (abstr) [Carlon & others], S189
 in PEEP-induced discrepancy between pulmonary arterial wedge pressure and left atrial pressure [Berryhill & Benumof], 303
 reversed I:E ratio, CPAP and CPPV (abstr) [Berman & others], S188
 time constants, flows to lung compartments with differing (abstr) [Epstein & Epstein], S386
 d -tubocurarine-induced muscle weakness effects on (abstr) [Rosenbaum & others], S367
 perfusion (ventilation-perfusion)
 aortic cross-clamping, infrarenal, pulmonary changes (abstr) [Klineberg & others], S388
 functional residual capacity reduction by anesthesia causing low \dot{V}_A/Q areas (abstr) [Dueck & others], S360
 low- \dot{V}_A/Q regions, nitrous oxide concentrating effect on alveolar P_{O_2} in (abstr) [Dueck & Wagner], S370
 model dependence on shape of \dot{V}/Q distributions (abstr) [Teplick & others], S371
 nitroglycerin effects on (abstr) [Colley & others], S372
 oxygen, 50 per cent, effects on resolution of experimental lung injury (abstr) [Cheney & others], S169
 positive end-expiratory pressure
 barotrauma, pulmonary, and mode of ventilation (abstr) [Mathru & others], S190
 changing arterial oxygen tension (editorial views) [Fairley], 492
 exacerbation of iatrogenic hypercarbia by (clinical report) [Fogdall], 173
 high-frequency positive-pressure ventilation for prolonged respiratory support (abstr) [Carlon & others], S189
 -induced discrepancy between pulmonary arterial wedge pressure and left atrial pressure [Berryhill & Benumof], 303
 long-term, and lung water in oleic acid acute respiratory failure (abstr) [de Campo & others], S186
 long-term mechanical ventilation and, renal responses to in dogs (abstr) [Berry & others], S187
 lung fluid and protein exchange responses to during pulmonary vascular injury (abstr) [van der Zee & others], S185
 lung-thorax volume increase components (abstr) [Katz & others], S361
 in massive trophoblastic embolization during evacuation of hydatidiform mole (clinical report) [Natson & others], 469
 myocardial blood flow alteration by in dogs (abstr) [Geer & others], S208
 pulmonary arterial diastolic pressure-left atrial pressure gradient induced by (abstr) [Meathe & others], S184
 pulmonary arterial wedge pressure-left atrial pressure gradient induced by, function of absolute left atrial pressure (abstr) [Johansen & Benumof], S183
 whole-lung and regional, hypoxic pulmonary vasoconstriction and [Benumof & others], 503
 shunting
 functional residual capacity reduction by anesthesia causing (abstr) [Dueck & others], S360
 hemoglobin and carboxyhemoglobin, extrapolated values for shunt calculation (abstr) [Cane & others], S197
 hyperthermia during anesthesia (abstr) [Lees & others], S385
 obesity, oxygenation improvement with massive weight loss (abstr) [Vaughan & others], S191
 oxygen, 80 per cent, effects on lung injury healing (abstr) [Tyler & others], S170
 reversed I:E ratio, CPAP and CPPV (abstr) [Berman & others], S188
 sighing
 nutritional depletion effects on respiratory patterns (abstr) [Rosenbaum & others], S366
 spontaneous, PEEP-induced discrepancy between pulmonary arterial wedge pressure and left atrial pressure during [Berryhill & Benumof], 303
 tachypnea, halothane-induced in cats [Mazzarelli], 522
 Ventriles, see under Heart
 VENUS, B., see MATHRU, M., jt. auth.
 Verapamil, see under Anesthetic techniques, hypotension, induced
 Verapamil, see under Heart, arrhythmia
 VERLEE, T., see LAPPAS, D. G., jt. auth.
 VERLEE, T. R., see LANDRY, L. D., jt. auth.
 VERMEER, G. A., see MEIJER, D. K. F., jt. auth.
 VERSKY, M., see BERNSTEIN, K., jt. auth.
 —, see GANGAT, Y., jt. auth.
 —, see TRINER, L., jt. auth.
 —, see WOO, S. Y., jt. auth.
 VERRIER, E. D., EDELSTAD, G., CONSIGNY, P. M., ROBINSON, S., and HOFFMAN, J. I. E., Greater coronary vascular reserve with halothane (abstr), S63

- VICKERS, M. D., WOOD-SMITH, F. G., and STEWART, H. C., *Drugs in Anesthetic Practice* (book review), 280
- VIEGAS, O., and STOELTING, R. K., LDH changes after cholecystectomy or hysterectomy in patients receiving halothane, enflurane, or fentanyl (clinical reports), 556
- VIGUERA, M. G., see SKAREDOFF, M. N., jt. auth.
- VIRGINI, S. J., see HEW, E. M., jt. auth.
- VIRTUE, R. W., see LUQUE, J., jt. auth.
- Virus, see under Infection
- Vital capacity, see Lung, capacity
- Vomiting
- antiemetics
 - domperidone, intramuscularly administered, effectiveness of (clinical report) [Fragen & Caldwell], 460
 - domperidone action (correspondence) [Dundee & Wilson], 275
 - nausea, effectiveness of intramuscularly administered domperidone in (clinical report) [Fragen & Caldwell], 460
- VULLIEMOZ, Y., see BERNSTEIN, K., jt. auth.
- , see GANGAT, Y., jt. auth.
- , see TRINER, L., jt. auth.
- , see WOO, S. Y., jt. auth.
- WADE, L., see WILKINSON, C. J., jt. auth.
- WAGNER, P. D., see DUECK, R., jt. auth.
- WAGNER, R. B., and BARSON, P. K., Tracheobronchopathica osteochondroplastica diagnosed as a result of difficult intubation (clinical reports), 269
- WAHABA, W. M., Analysis of ventilatory depression by enflurane (abstr), S382
- WAHRENBROCK, E. A., see BENUMOF, J. L., jt. auth.
- WAI, M., see MACKENZIE, C. F., jt. auth.
- WAKAKURI, H., see CAMPORESI, E. M., jt. auth.
- WALKER, J. A., PARKS, D. H., KIKER, R. G., and MLCAK, R. P., Evaluation of respiratory tract injury in acute burns (abstr), S181
- WALLS, J. T., TINKER, J. H., and HARRISON, C. E., Anesthetics vs global myocardial ischemic deterioration (abstr), S144
- WALTERS, F. J., see ROBERTSON, J. M., jt. auth.
- WARD, C. F., Muscular dystrophy and malignant hyperthermia—similar signs (correspondence), 184
- , Reducing abuse potential and controlled drug management (abstr), S347
- , see ALFERY, D. D., jt. auth.
- WARD, E. M., see NAUSS, L. A., jt. auth.
- WARD, M. G., HUGHES, S. C., SHNIDER, S. M., LEVINSON, G., WRIGHT, R. G., GRUENKE, L. D., CRAIG, J. C., Placental transfer of ephedrine (abstr), S307
- WARE, R., ROBINSON, S., and GREGORY, G. A., Effect of halothane on baroreceptor response in newborn and adult rabbits (abstr), S325
- WARRINER, R. A., III, see BURGESS, G. E., III, jt. auth.
- WASTILA, W. B., and SAVARESE, J. J., Autonomic/neuromuscular dose-ratios and hemodynamic effects of BW785U, a short-acting nondepolarizing ester neuromuscular blocking agent (abstr), S278
- , see SAVARESE, J. J., jt. auth.
- , see SAVARESE, J. J., jt. auth.
- WATKINS, C. A., see RANNELS, D. E., jt. auth.
- WATKINS, J., and WARD, A. M., *Adverse Response to Intravenous Drugs* (book review), 280
- WATKINS, W. D., MOSS, J., LAPPAS, D. G., LEVINE, L., and PETERSON, M. B., Vasoactive mediators and human cardiopulmonary bypass (abstr), S97
- WAUD, B. E., Decrease in dose requirement of *d*-tubocurarine by volatile anesthetics, 298
- WAY, W. L., see WHITE, P. F., jt. auth.
- Weaning, see under Ventilation, mechanical
- WEBER, L. A., and HIRSHMAN, C. A., Cimetidine for prophylaxis of aspiration pneumonitis: comparison of intramuscular and oral dosage schedules (abstr), S180
- WEBSTER, C., see PACE, N. L., jt. auth.
- WEBSTER, L. R., see LUNN, J. K., jt. auth.
- Weight, see under Complications, obesity; Pharmacokinetics, uptake
- WEIL, M. H., and DALUZ, P. L. (eds.), *Critical Care Medicine Manual* (book review), 372
- WEISE, V., see KIM, Y. D., jt. auth.
- WEISS, J. B., see DATTA, S., jt. auth.
- WEITERIN, J. G., see MEIJER, D. K. F., jt. auth.
- WELCH, W. D., see GRAHAM, C. W., jt. auth.
- WELSH, F. A., see BERNMAN, L., jt. auth.
- WENDER, R. H., see SCHAUBLE, J. F., jt. auth.
- WESTENSKOW, D. R., see JORDAN, W. D., jt. auth.
- , see TSENG, C-K., jt. auth.
- WESTMORELAND, R. T., see JAMES, F. M., jt. auth.
- WHARTON, R. S., and MAZZE, R. I., Reproductive safety of enflurane in female mice (abstr), S261
- , WILSON, A. I., MAZZE, R. I., BADEN, J. M., and RICE, S. A., Fetal morphology in mice exposed to halothane, 532
- , see BADEN, J. M., jt. auth.
- WHEELER, A. S., JAMES, F. M., GREISS, F. C., MEIS, P. J., ROSE, J. R., FISBURNE, J. I., and DEWAN, D. M., Nitroglycerin and the uterine vasculature in gravid ewes (abstr), S291
- , SADRI, S., GUTSCHE, B. B., DEVORE, J. S., DAVID-MIAN, Z., and LATYSHEVSKY, H., Intracranial hemorrhage following intravenous administration of sodium bicarbonate or saline solution in the newborn lamb asphyxiated in utero, 517
- , see JAMES, F. M., jt. auth.
- , see SNYDER, S. W., jt. auth.
- WHITCHER, C. E., and SIUKOLA, L. V. M., Occupational exposure, education and sampling methods (abstr), S336
- WHITE, P. F., HAM, J., WAY, W. L., and TREVOR, A. J., Clinical study of the optical isomers of ketamine (abstr), S33
- WHITE, S., see RICHTER, J. J., jt. auth.
- WHITESELL, R., JABLONSKI, J., and BURGOS, L., Microprocessor automation of anesthesia records (abstr), S333
- WHITLEY, N., see MACKENZIE, C. F., jt. auth.
- WILKINSON, C. J., DEBOER, D., ADAMS, A., WADE, L., LICHTENTHAL, P., and BRUNNER, E. A., Raising cost consciousness in anesthesia (abstr), S353
- WILKINSON, P. L., see GRAHAM, B. H., jt. auth. (2)
- WILLENKEN, R., see LANE, P. E., jt. auth.
- WILLENKIN, R., see SIVARAJAN, M., jt. auth.
- WILLIAMS, W. G., see ZIDEMAN, D. A., jt. auth.
- WILSON, A. I., see WHARTON, R. S., jt. auth.
- WILSON, D. B., see DUNDEE, J. W., jt. auth.
- WILSON, G. J., see ROBERTSON, J. M., jt. auth.
- WILSON, P. R., see YAKSH, T. L., jt. auth.
- WILSON, R. D., RICHEY, J. V., FORESTNER, J. E., HENDRICKSON, M. H., HERRIN, T. J., and NORMAN, P. F., Cardiovascular effects of drip ketamine (abstr), S35
- WINTER, P., see SIVARAJAN, M., jt. auth.
- WITCHER, T., see GALINDO, A., jt. auth. (4)
- WOHLNER, E. C., USUBIAGA, L. J., JACOBY, R. M., and HILL, G. E., Cardiovascular effects of extubation (abstr), S194
- WOLFSON, B., see GOODLOE, S. L., jt. auth.
- WONG, K. C., TSENG, C. K., PUERTO, B. A., and PUERTO, A. X., Chronic hypokalemia on epinephrine-induced dysrhythmias during halothane, enflurane or methoxyflurane with N₂O anesthesia (abstr), S118
- , see JOHANSON, C. E., jt. auth.
- , see KAWAMURA, R., jt. auth.
- , see TSENG, C-K., jt. auth.
- WOO, S. Y., VEROSKY, M., VULLIEMOZ, Y., and TRINER, L., Dopamine-sensitive adenylate cyclase activity in the rat caudate nucleus during exposure to halothane and enflurane, 27
- , see TRINER, L., jt. auth.
- WOOD, A. J. J., see WOOD, M., jt. auth. (2)
- WOOD, C. (ed.), *Stress-Free Anesthesia* (book review), 582
- WOOD, M., BERMAN, M. L., HARBISON, R. D., PHYTHYON, J. M., and WOOD, A. J. J., Halothane-induced hepatic necrosis in hyperthyroid rats (abstr), S244

- , SHAND, D. G., and WOOD, A. J. J., Propranolol bindings in plasma during cardiopulmonary bypass, 512
- WOODBURN, J. D., see FRANCE, N. K., jt. auth.
- WOODRUFF, R. E., see McLESKEY, C. H., jt. auth.
- WRAY, R. P., Cryoprobe leakage of nitrous oxide into operating room air (abstr), S335
- WRIGHT, B. J., see BLITT, C. D., jt. auth.
- WRIGHT, C., see COMSTOCK, M. K., jt. auth.
- WRIGHT, P. H., see GINGERICH, R. L., jt. auth.
- WRIGHT, R. G., see ROLBIN, S. H., jt. auth.
- , see WARD, M. G., jt. auth.
- WU, A., OSHIMA, W., and DHANDHA, S., Imperforate blood warmer coils (correspondence), 579
- WU, M., see COHEN, E. N., jt. auth.
- WU, W-H., see OHN, K. C., jt. auth.
- WUEST, H. P., EISELE, J. H., LEININGER, R. W., and MARTUCCI, R. M., Monitoring lung mechanics in neonate primates (abstr), S384
- WUNDERLICH, B. K., see ROSENBERG, M. B., jt. auth.
- WYANT, G. M., *Mechanical Misadventures in Anesthesia* (book review), 281
- WYNNE, J. W., DEMARCO, F. J., and HOOD, C. I., Physiologic effects of steroids in foodstuff aspiration (abstr), S179
- , REYNOLDS, J. C., HOON, C. I., AUERBACH, D., and ONDRASKCK, J., Steroid therapy for pneumonitis induced in rabbits by aspiration of foodstuff, 11
- , See GIBBS, C. P., jt. auth. (2)
- Xenon, see under Anesthetics, gases
- YAKAITIS, R. W., Clinical studies in children (correspondence), 572
- , and EWY, G., Time and therapy affect energy needs for defibrillation (abstr), S153
- , see OTTO, C. W., jt. auth.
- YAKSH, T. L., WILSON, P. R., KAIKO, R. F., and INTURRISI, C. E., Analgesia produced by a spinal action of morphine and effects upon parturition in the rat, 386
- YAMAZAKI, T., see SHIMADA, Y., jt. auth.
- YANG, J. C., CLARK, W. C., NGAI, S. H., BERKOWITZ, B. A., and SPECTOR, S., Analgesic action and pharmacokinetics of morphine and diazepam in man: an evaluation by sensory decision theory, 495
- YASUDA, I., HIRANO, T., and YUSA, T., Tracheal constriction or decreased lung-thorax compliance from opiates (correspondence), 183
- YELDERMAN, M. L., and NEW, W., Estimation of left atrial mean from right heart measurements (abstr), S210
- YODLOWSKI, E. H., see CRUMRINE, R. S., jt. auth.
- YONEKURA, M. L., see CRAFT, J. B., jt. auth. (2)
- YOSHIYA, I., see SHIMADA, Y., jt. auth.
- YUSA, T., see YASUDA, I., jt. auth.
- YUSUF, S., see LOWENSTEIN, E., jt. auth.
- ZACCARI, J., see GRAHAM, C. W., jt. auth.
- ZAIDAN, J. R., KAPLAN, J. A., and SUMPTER, R. M., Cardiovascular effects of dimethyl tubocurarine in patients with aortic valvular disease during morphine-diazepam-oxygen anesthesia (abstr), S137
- ZAKEOSIAN, G., see SMITH, D. S., jt. auth.
- ZAUDER, H. L., A possible interaction of PCB and halothane in man (correspondence), 95
- , see JONES, D. J., jt. auth.
- , see STEHLING, L. C., jt. auth.
- ZEMBROWSKI, M. E., Buckled adaptor (correspondence), 276
- ZIDEMAN, D. A., RIMMER, M. A., WILLIAMS, W. G., and STEWARD, D. J., Thermodilution cardiac output determinations in small infants: some problems and their solutions (abstr), S320
- ZINN, S. E., see KATZ, J. A., jt. auth.
- ZOLLINGER, R. M., JR., see SCHNEIDER, A. J. L., jt. auth.
- ZSIGMOND, E. K., HISVARK, O. N., CHANDRA, P., and KOTHARY, S. P., Pharmacokinetics of 2-chloropropane in $E_1^{\text{H}}E_1^{\text{a}}$ (abstr), S222
- ZUKAITIS, M. G., and HOECH, G. P., Train of 4 measurement of potentiation of curare by lidocaine (abstr), S288
- ZUPERKU, E. J., see TURNER, L. A., jt. auth.
- ZYLANOFF, P. L., MARK-SAVAGE, P., MARTUCCI, R. W., MANLEY, S., and EISELE, J. H., JR., Common bile duct responses to anesthetic agents in dogs (abstr), S32