

REGISTER OF ARTICLES

8382-8398

130:1 Sept 60

8382	Adaptive increases in drug-metabolizing enzymes induced by phenobarbital and other drugs. A. H. Conney, C. Davison, R. Gastel, J. J. Burns. -----	1
8383	Amino acid decarboxylases of mouse mastocytoma tissue. P. Hagen, N. Weiner, S. Ono, Fu-Li Lee. -----	9
8384	The relation of mercurial diuresis to cellular protein-bound sulfhydryl changes in renal cells. A. Farah, R. Kruse. -----	13
8385	The importance of dissociation constant and lipid-solubility in influencing the passage of drugs into the cerebrospinal fluid. B. B. Brodie, H. Kurz, L. S. Schanker. -----	20
8386	A simplified micromethod for the determination of carbonic anhydrase and its inhibitors. T. H. Maren. -----	26
8387	The cardiotonistimulant action of certain ganglionic stimulants on the embryonic chick heart. W. C. Lee, L. P. McCarty, W. W. Zodrow, F. E. Shideman. -----	30
8388	Chlorpromazine III. The effects of chlorpromazine and chlorpromazine sulfoxide on vascular responses to l-epinephrine and levarterenol. W. R. Martin, J. L. Riehl, K. R. Unna. ---	37
8389	Possible mechanism of the decline in mechanical efficiency of the isolated heart. K. Kako, J. D. Choudhury, R. J. Bing. --	46
8390	Effects of secobarbital and of d-amphetamine on psychomotor performance of normal subjects. A. Goldstein, B. W. Searle, R. T. Schimke. -----	55
8391	Effects of gamma-aminobutyric acid on chemically- and electrically-evoked activity in the isolated cerebral cortex of the dog. R. H. Rech, E. F. Domino. -----	59
8392	Physiological and pharmacological analysis of spinal cord convulsions. D. W. Esplin, J. W. Freston. -----	68
8393	Brain concentrations of biogenic amines and EEG patterns of rabbits. E. Costa, G. R. Pscheidt, W. G. Van Meter, H. E. Hinrich. -----	81
8394	Responses in dental nerves of dogs to tooth stimulation and the effects of systemically administered procaine, lidocaine, and morphine. P. W. Wagers, C. M. Smith. -----	89
8395	Psicofuranine: Kinetics and mechanisms <u>in vivo</u> with the application of the analog computer. E. R. Garrett, R. C. Thomas, D. P. Wallach, C. D. Alway. -----	106

130:2 Oct 60

8396	Histological evidence for a neural role in the depletion of adrenal catecholamines by deserpidine and TM-10. R. Greenberg, A. I. Jeffay, J. E. P. Toman. -----	119
8397	The relationship between the metabolic fate and pharmacological actions of serotonin, bufotenine, and psilocybin. P. K. Gessner, P. A. Khairallah, W. M. McIsaac, I. H. Page. -----	126
8398	Lack of relationship between inhibition of monoamine oxidase and potentiation of hexobarbital hypnosis. M. J. Laroche, B. B. Brodie. -----	134

REGISTER OF ARTICLES

8399-8415

130:2 Oct 60

- 8399 A study of the central depressant action of pentobarbital, phenobarbital and diethyl ether in relationship to increases in brain 5-hydroxytryptamine. E. G. Anderson, D. D. Bonycastle. ----- 138
- 8400 Metabolism of tetracycline in the rat and the dog. R. G. Kelly, D. A. Buyske. ----- 144
- 8401 Concentration and persistence of tetracycline and chlortetracycline on bone. D. A. Buyske, H. J. Eisner, R. G. Kelly. - 150
- 8402 The metabolism of isocarboxazid (marplan) in the rat. M. A. Schwartz. ----- 157
- 8403 The metabolism of mercury in the rat studied by isotope techniques. A. Rothstein, A. D. Hayes. ----- 166
- 8404 The oxytocic activity of synthetic angiotensinamide. T. B. Paiva, A. C. M. Paiva. ----- 177
- 8405 Single fiber recording of the effects of quinidine at atrial and pacemaker sites in the isolated right atrium of the rabbit. T. C. West, D. W. Amory. ----- 183
- 8406 Cholinesterase inhibition and spontaneous activity of the frog rectus abdominis muscle. C. P. Kraatz. ----- 194
- 8407 Quantitative electroencephalographic studies on the effects of morphine and nalorphine on rabbit brain. L. Goldstein, J. Aldunate. ----- 204
- 8408 Studies of analgesic drugs: III. Dextromoramide and a comparison of methods of estimating pain relief in man. A. S. Keats, J. Telford, Y. Kurosu.----- 212
- 8409 Studies of analgesic drugs: IV. Dissociation of analgesic, respiratory and emetic effects. A. S. Keats, J. Telford, Y. Kurosu. ----- 218
- 8410 Inhibition of certain responses to steroids by 2-amino-4-(p-chloroanilino)-s-triazine. H. E. Williamson, F. E. Shideman. 222
- 8411 Renal tubular action of ouabain on Na and K transport during stop-flow and slow-flow technique. W. S. Wilde, P. J. Howard. ----- 232

130:3 Nov 60

- 8412 Augmentation of pharmacological properties of catecholamines by O-methyl transferase inhibitors. D. W. Wylie, S. Archer, A. Arnold. ----- 239
- 8413 The effect of reserpine on the catecholamine and adenine nucleotide contents of adrenal gland. W. R. Burack, N. Weiner, P. B. Hagen. ----- 245
- 8414 The effect of insulin on the catecholamines and adenine nucleotides of adrenal glands. N. Weiner, W. R. Burack, P. B. Hagen. ----- 251
- 8415 Evidence for release of brain amines by reserpine in presence of monoamine oxidase inhibitors: Implication of monamine oxidase in norepinephrine metabolism in brain. S. Spector, R. Kuntzman, P. A. Shore, B. B. Brodie. ----- 256

REGISTER OF ARTICLES

8416-8433

130:3 Nov 60

- 8416 The enzymatic formation of sulfoxides: The oxidation of chlorpromazine and 4,4'-diaminodiphenyl sulfide by guinea pig liver microsomes. J. R. Gillette, J. J. Kamm. ----- 262
- 8417 Effects of nitrogen mustards on the incorporation of amino acids into the proteins of tissues of tumor-bearing rats. I. Amino acid mustards and HN2. W. L. Nyhan. ----- 268
- 8418 The metabolic fate of diphenylhydantoin in the dog, rat and man. E. W. Maynert. ----- 275
- 8419 An ontogenetic study of phenobarbital-C¹⁴ in cat brain. N. S. Domek, C. F. Barlow, L. J. Roth. ----- 285
- 8420 "Recovery" responses of hypoxic arterial smooth muscle. E. C. Griesemer, I. A. Coret. ----- 294
- 8421 Single fiber recording during the production and control of flutter in the isolated atrium of the rabbit. T. C. West, A. R. Cox. ----- 303
- 8422 Studies on veratrum alkaloids. XXIX. The action of some germine esters and of veratridine upon blood pressure, heart rate and femoral blood flow in the dog. J. M. Benforado, W. Flacke, C. R. Swaine, W. Mosimann. ----- 311
- 8423 Studies on veratrum alkaloids. XXX. The action of some esters of germine on cardiac output and vascular tone with observations on drug-induced decrease of positive inotropic sympathetic tone. W. Flacke, J.M. Benforado, C. R. Swaine, W. Mosimann. ----- 321
- 8424 Action of veratrine and membrane stabilizers on nerves. F. Herr, A. Akcasu. ----- 328
- 8425 Blockade of the beta adrenergic receptors. B. Levy, R. P. Ahlquist. ----- 334
- 8426 Specific blockade of the adrenal medulla. R. W. Gardier, B. E. Abreu, A. B. Richards, H. C. Herrlich. ----- 340
- 8427 Relationships between the chemical constitution and biological response of D(-), L(+) and DL-lactoylcholines, and related compounds. B. V. R. Sastry, C. C. Pfeiffer, A. Lasslo. ----- 346
- 8428 Pharmacological properties of piperidinoethyl-3-methylflavone-8-carboxylate hydrochloride, a smooth-muscle relaxant. I. Setnikar, M. T. Ravasi, P. Da Re. ----- 356
- 8429 Potency of thiopental plus beta, beta-ethylmethylglutarimide. J. W. Bellville, T. Murphy, W. S. Howland. ----- 364

130:4 Dec 60

- 8430 Increased rate of metabolism of epinephrine and norepinephrine by sympathomimetic amines. J. Axelrod, R. Tomchick. ----- 367
- 8431 Enzymic studies on morphine glucuronide synthesis in acutely and chronically morphinized rats. A. E. Takemori. ----- 370
- 8432 The metabolism of 6-chloropurine-8-C¹⁴ in the rat. D. E. Dugan, E. Titus. ----- 375
- 8433 The metabolism of chlorethoxybutamoxane-C¹⁴. R. E. McMahon. -- 383

REGISTER OF ARTICLES

8434-8447

130:4 Dec 60

- 8434 A kinetic analysis of carbonic anhydrase inhibition. T. H.
Maren, A. L. Parcell, M. N. Malik. ----- 389
- 8435 Effects of drugs and physiologic alterations on nasal salt excretion in sea gulls. B. R. Nechay, J. L. Larimer, T. H.
Maren. ----- 401
- 8436 Central pyrogenic action of salmonella typhosa lipopolysaccharide injected into the lateral cerebral ventricle in cats.
U. K. Sheth, H. L. Borison. ----- 411
- 8437 The action of certain cyclohexamines on hippocampal system during approach performance in the cat. W. R. Adey, C. W.
Dunlop. ----- 418
- 8438 Emetic effect of intraventricular apomorphine after ultrasonic decerebration in the cat. H. L. Borison, R. Rosenstein, W.
G. Clark. ----- 427
- 8439 Analgesic and other neuropharmacologic effects of phenazocine (NIH 7519, prinadol) compared with morphine. D. H. Tedeschi,
R. E. Tedeschi, E. J. Fellows. ----- 431
- 8440 Some aspects of thyroid function in rats after feeding of levo-mepromazine. I. C. Radde, W. Kalow. ----- 436
- 8441 Cardiovascular and behavioral effects of serotonin and related substances in dogs without and with reserpine premedication.
G. E. Cronheim, J. T. Gourzis. ----- 444
- 8442 The action of histamine and 5-hydroxytryptamine on isolated mammalian atria. U. Trendelenburg. ----- 450
- 8443 Effects of 1,1'-trimethylene bis(4-formylpyridinium bromide) dioxime (TMB-4) on cholinesterase activity and neuromuscular block following poisoning with sarin and DFP. J. H. Fleisher, J. Hansa, P. J. Killos, C. S. Harrison. ----- 461
- 8444 The in vitro actions of steroids on smooth muscle. A. D. Bass,
J. A. Setliff. ----- 469
- 8445 Acquired resistance to the pharmacologic effects of plasmin: Study on tachyphylacticogenic proteins. N. Back. ----- 474
- 8446 Studies on plasma kallikrein and its relationship to plasmin.
M. E. Webster, J. V. Pierce. ----- 484
- 8447 Anesthesia LXI: The anesthetic properties of the azeotropic mixture of trifluoroethyl vinyl ether (fluoromar) and 1,1,2-trifluoro-2,2,1-trichloroethane (genetron 113). J. C. Krantz, Jr., J. S. L. Ling, V. F. Kozler. ----- 492