The synthesis and estimation of N-\textsuperscript{14}C-methyl labeled levorphanol and its biological disposition in the monkey, dog and rat.

L. A. Woods, L. B. Mellett, K. S. Andersen.--------------------------

The fate of papaverine in man and other mammals. J. Axelrod, R. Shofer, J. K. Inscoe, W. M. King, A. Sjoerdsma.-------------------

Studies on the biological disposition of streptovaricin (dalacin), a new antibiotic. D. P. Wallach, J. G. Wagner.-------

Comparison of the vascular actions of 1, 1-dimethyl-4-phenylpiperazinium and tetramethylammonium. M. M. Winbury,------


Factors influencing contraction in glycerinated myocardial fibers. F. N. Briggs.---------------------------------------------

Temperature and resting potential of diaphragm muscle in a CO\textsubscript{2}-bicarbonate medium. R. Creese, N. W. Scholes, D. B. Taylor.---

Antiarrhythmics. Quinidine-like activity of some ataractic agents. R. B. Arora.-----------------------------------------------

Some cardiovascular effects of norethandrolone (nilevar), testosterone and progesterone. C. G. Van Arman, V. A. Drill.------


The anti-tremorine effect of some drugs as determined by Haffner's method of testing analgesia in mice. G. Chen.-------------

Chlorpromazine II: The effects of chlorpromazine on evoked potentials in the midbrain reticular formation. E. W. J. DeMaar, W. R. Martin, K. R. Unna.---------------------------

In vitro anaphylactic and nonanaphylactic responses of organs of immunized guinea pigs. S. Katsh.------------------------

A minimum error table for parallel line biological assays. M. C. Sheps, K. H. Hendrie.---------------------------------------------

Pharmacodynamic aspects of allyl alcohol toxicity. J. K. Kodama, C. H. Hine.---------------------------------------------

Protein binding of radioactive digitoxin. J. L. Spratt, G. T. Okita.________________________________________________________

Subcellular localization of radioactive digitoxin. J. L. Spratt, G. T. Okita.______________________________________________

Reflexes from the intestinal mesentery elicited by veratridine, acetylcholine and nicotine. W. K. Riker.------------------


The effect of atropine upon mammalian striated muscle. C. tum-Suden.----------------------------------

The effect of atropine upon skeletal muscle in the goat with myotonia congenita. C. tum-Suden, R. M. Stoufer.-------------

The anticonvulsant actions of methazolamide (a carbonic anhydrase inhibitor) and diphenylhydantoin. W. D. Gray, C. E. Rauh, A. C. Osterberg, L. M. Lipchuck.-----------------------------------
<table>
<thead>
<tr>
<th>No.</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>8072</td>
<td>Effects of anticonvulsant drugs on recovery time from tonic-clonic seizures in mice and rats.</td>
<td>D. H. Tedeschi, E. A. Swinyard.</td>
</tr>
<tr>
<td>8073</td>
<td>Some effects of analgesic and analgesic-antagonist drugs on intestinal motility.</td>
<td>G. W. Gray.</td>
</tr>
<tr>
<td>8074</td>
<td>The effect of estrogens on uterine blood flow in the rat.</td>
<td>S. M. Kalman.</td>
</tr>
<tr>
<td>8076</td>
<td>The relationship between iproniazid metabolism and the duration of its effect on monoamine oxidase.</td>
<td>S. Hess, H. Weissbach, B. G. Redfield, S. Udenfriend.</td>
</tr>
<tr>
<td>8077</td>
<td>The influence of various factors on the enzymatic conversion of organic thio phosphates to anticholinesterase agents.</td>
<td>S. D. Murphy, K. P. DuBois.</td>
</tr>
<tr>
<td>8078</td>
<td>The high energy phosphate content of cardiac muscle under various experimental conditions which alter contractile strength.</td>
<td>R. F. Purchgott, T. de Gubareff.</td>
</tr>
<tr>
<td>8080</td>
<td>Adrenergic blockade of the mammalian heart by a dichloro analogue of isoproterenol.</td>
<td>N. C. Moran, M. E. Perkins.</td>
</tr>
<tr>
<td>8082</td>
<td>Studies on veratrum alkaloids. XXVII. The negative chronotropic action of veratramine and reserpine in the heart depleted of catechol amines.</td>
<td>I. R. Innes, O. Krayer.</td>
</tr>
<tr>
<td>8083</td>
<td>Concentration of free and conjugated morphine in brain and other tissues of tolerant and nontolerant rabbits.</td>
<td>R. Siminoff, P. R. Saunders.</td>
</tr>
<tr>
<td>8086</td>
<td>Effects of single doses and chronic administration of ethanol and experimental seizures in mice.</td>
<td>D. G. McQuarrie, E. Fingl.-</td>
</tr>
<tr>
<td>8087</td>
<td>Biochemical alterations of liver function by the halogenated hydrocarbons. I. In vitro and in vivo changes and their modification by ethylenediamine tetraacetate.</td>
<td>D. N. Calvert, T. M. Brody.</td>
</tr>
</tbody>
</table>
REGISTER OF ARTICLES

8090 Metabolic fate of levo-3-hydroxy-N-allylmorphinan (levallorphan).
   G. J. Mannering, L. S. Schanker.----------------------------- 296
8091 Urinary 17-ketosteroid excretion during a cycle of addiction to
   morphine. A. J. Eisenman, H. F. Fraser, J. Sloan, H. Isbell.-- 305
8092 Enhancement of sodium salicylate absorption by mephenesin.
   J. J. Carr, G. J. Mouratoff, R. C. Batterman.------------------ 312
8093 Diuretic effects of formoguanamine and other s-triazines. C. M.
   Kagawa, C. G. Van Arman.--------------------------------- 318
8094 The action of rauwolfia alkaloids on the heart rate and on the
   functional refractory period of atrio-ventricular transmission
   in the heart-lung preparation of the dog. I. R. Innes, O.
   Krayer, D. R. Waud.---------------------------------- 324
8095 The dual nature of the action of succinylcholine on respiration
   in cross-circulated dogs. M. H. Harmel, B. D. King, F. F.
   Kao.-------------------------------------------------- 333
8096 Threshold dose and time course of norepinephrine depletion of
   the mammalian heart by reserpine. D. R. Waud, S. R. Kottegoda,
   O. Krayer.--------------------------------------------- 340
8097 Comparative pharmacology of chlorpheniramine (chlor-trimeton)
   and its optical isomers. F. E. Roth, W. M. Govier.----------- 347
8098 Analysis of the relationship between drug-induced convulsions
   and mortality in rats. B. Blum, S. Zacks.----------------- 350

NOTICE

to Subscribers and Readers

Attention is directed to the current method (ACC)
of using entry numbers opposite the unit terms and
names comprising the Subject and Author sections of
the Journal index. These entry numbers coincide with
the appropriate accession numbers listed serially at
the left of the titles in the Register of Articles.
Their purpose is to condense and unify the three
parts of the index, and to expedite its use.

For details of the ACC indexing system please see:
This Journal, "Index Notices", Vol. 122:2, Jan., and