

rendered stable by a rigid upright in the center; and a wire on one end of the cross-rod is easily arranged to close a mercury contact and actuate a sounder.

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UNIVERSITY OF MINNESOTA

THE AMERICAN SOCIETY OF PHARMACOLOGY AND EXPERIMENTAL MEDICINE

THE ninth annual meeting of the American Society of Pharmacology and Experimental Therapeutics was held in Minneapolis on Thursday and Friday, December 27 and 28, 1917, and in Rochester, Minnesota, on Saturday, December 29. The following program was presented:

Two papers by David I. Macht were read by title:

"On the comparative absorption power for drugs of the bladder and urethra (male)."

"On the relation of the chemical structure of opium alkaloids to their action on smooth muscle structures."

FIRST SESSION

Thursday Afternoon, 2:00 to 4:30

Experimental observations on anaphylaxis in the dog: MORT D. P., AND D. E. JACKSON.

Effect of adrenalin on vaso-motor and on heart action studied separately by means of elimination of blood pressure through compensation: C. MCPEEK, R. J. SEYMOUR AND CLYDE BROOKS, University of Ohio.

The action of drugs on different parts of the intestine: W. C. ALVAREZ, Hooper Institute, San Francisco.

The location of the adrenalin vasodilator mechanisms: FRANK A. HARTMANN, University of Toronto.

The growth of chickens under laboratory conditions: LAFAYETTE B. MENDEL AND THOMAS B. OSBORNE, Yale University and Connecticut Experiment Station.

The Distribution and Function of Certain Nerves: D. E. JACKSON AND MORT P. PELZ, Washington University.

Studies with American grown digitalis and with digitalis lutea: S. M. WHITE AND R. E. MORRIS, University of Minnesota.

The effect of alcohol on the vaso-motor and respiratory mechanisms: E. G. HYATT AND VIGGO JENSEN, Illinois University Medical College.

The influence of Yohimbine on reproductivity: FLORENCE L. RUMRY, Illinois University Medical College.

The action of lactic acid on the respiratory center: SEYMOUR J. COHEN, Illinois University Medical College.

The stimulation of the vago-gastric medullary center by drugs: FRED. T. ROGERS, University of Chicago.

SECOND SESSION

Friday Morning, 9:00 to 12:00 M.

Effects of iodine on the eggs of sea urchins: E. P. LYON, University of Minnesota.

Antagonistic action of drugs on the respiratory center: C. VOEGTLIN AND C. J. WIGGERS, Hygienic Laboratory, Washington, D. C.

Stimulation of the respiration by sodium cyanide: A. S. LOEVENHART AND MESSRS. LORENZ, MARTIN AND MALONE, University of Wisconsin.

The reaction of the respiratory mechanism to chlorine gas: W. H. SCHULTZ, University of West Virginia.

The influence of chlorine upon the heart: W. H. SCHULTZ, University of West Virginia.

A study of acute bichloride intoxication in the dog: WM. DEB. MACNIDER, University of North Carolina.

Cross tolerance: renal response to caffeine and theobromin in rabbits long tolerant to caffeine: HAROLD B. MYERS, University of Oregon.

Straub's biologic test for opium alkaloids: FLORENCE L. RUMRY AND VIGGO JENSEN, Illinois University Medical College.

The influence of pituitary extracts on the daily output of urine: H. M. REES, University of Chicago.

Effects of external temperature and certain drugs on thyroid activity: A. C. MILLS, University of Kansas.

Does atropin alter the effects of digitalis upon the tonus of heart muscle: A. D. HIRSCHFELDER, University of Minnesota.

Effects of amino acids and their salts upon the contraction of intestinal strips: A. D. HIRSCHFELDER AND W. CANTWELL, University of Minnesota.

Acridity of some plants due to a mechanical action: E. D. BROWN AND D. D. ANDERSON, University of Minnesota.

The mode of action of anesthetics in producing anesthesia: W. E. BURGE, University of Illinois.