

SCIENTIFIC PROCEEDINGS.

ABSTRACTS OF COMMUNICATIONS.

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The estimation of "acid-soluble" (inorganic?) and lipid phosphorus in small quantities of serum.

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Phospholipins are quantitatively precipitated with the proteins when blood or serum is added to nine parts of a solution containing one per cent. each of acetic and picric acids. The precipitate does not absorb phosphates. This procedure has been combined with the Neumann method of oxidation and the method of Pouget and Chouchak¹ for the estimation of phosphoric acid for the purpose of estimating the "acid-soluble" and the lipid phosphorus in small quantities of serum (one cubic centimeter or less). The results agree with those previously obtained by other methods upon large amounts of serum.² In nephritis, the "acid-soluble" phosphorus may be increased to as much as five times the normal amount. It may also be slightly increased after the ingestion of meat.

¹ Pouget and Chouchak: *Bulletin societe chimique* (4), 5, 104, 1909; 9, 649, 1911.

² Greenwald: *Journal of Biological Chemistry*, 14, 369, 1913; *American Journal of the Medical Sciences*, 147, 225, 1914.