inch in length, and small white flowers. It is a native of Florida, and flowers from July to September. The entire herb is said to possess antiperiodic properties, and the admistration of a saturated tincture, in doses of a teaspoonful every two hours, is generally sufficient to break the paroxysm of fever. The plant is intensely bitter, like quinine, and the sensations of fullness in the head, ringing in the ears, and partial deafness, generally realized after taking quinine, also follow the use of this remedy. Professor Maisch, to whom the plant was sent for recognition, says that he finds it to belong the order *Gentianaceæ*, and to be identical with specimens of *Sabbatia Elliottii*, Steud. Some of the plants belonging to the same genus have been employed as antiperiodics, but Professor Maisch is not aware that any effects resembling quininism have been before noticed in regard to them.

WATER OF CRYSTALLIZATION IN QUININE SULPHATE.—In regard to this subject there are some differences in the statements of authors, nor do authorities agree as to the particular temperature at which the salt becomes anhydrous. A series of experiments made lately by Mr. A. J. Cownley, (*Pharm. Jour. and Trans.*), furnish data for the following conclusions: That the sulphate really becomes anhydrous at 212° F., and when freely exposed to the air in this condition it rapidly absorbs water until it has the composition of a sulphate with two molecules of water. When the access of air is retarded, the water is of a varying quantity and bears no constant relation until the point above noted is reached. Freshly prepared sulphate probably contains $7\frac{1}{2}$ molecules of water, as stated by Jobst & Hesse, but when freely exposed to the air it rapidly effloresces until only two molecules of water are retained. The composition of this salt will be:

Theory.		Molecular wt.		per cent.	Found.
$2\,(C_{20}H_{24}N_2O_2)$	=	648	=	82·81	——
SO_4H_2	=	98	=	12·53	——
$2OH_2$	=	36	=	4·60	4·80
		782		100,00	

The composition of the freshly prepared and uneffloresced salt will be:

$2(C_{20}H_{24}N_2O_2)$	=	648	=	73·56	——
SO_4H_2	=	98	=	11.12	11·17
$7\frac{1}{2}OH_2$	=	135	=	15·32	15·27
		881		100·00	