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## Additions to the Oklahoma Flora from the Oklahoma Ozarks. Studies in the Composition and Distribution of the Oklahoma Flora — No. 27

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The taxa discussed in this paper have been recorded in an unpublished thesis and the specific entities are included in the current edition of Keys to the Flora of Oklahoma (Waterfall, 1962). However, pertinent documentation, in the form of collector-citation, and habitat and locality data, has not been published. The specimens cited are in the Herbarium of the Oklahoma State University.

Twenty one other taxa from the Ozarks have been reported previously (Wallis and Waterfall, 1955; Wallis, 1958) as additions, made during this study, to the flora of our state.

*Arisaema atrorubens* (Ait.) Blume, forma *viride* (Engler) Fernald. The following specimens are so identified because each has "spathe green,

without, or with only faint stripes" (Fernald, 1950): *Wallis* 6595-1, wooded base of bluffs on Ballard Creek, 1 mile south of Watts, Adair County; *Wallis* 3623 from wooded base of hill, 14.5 miles northeast of Tahlequah, Cherokee County; *Wallis* 3658, Dripping Springs valley, 5.5 miles west of the state line, Delaware County. Both forma *zebrinum* and forma *viride* were found growing together in Cherokee and Delaware counties.

*Leonurus sibiricus* L. is represented by *Wallis* 7673, oak-hickory woods and roadside, 23 miles northeast of Tahlequah in Adair County; *Wallis* 792 and 933, open roadsides, 8.7 miles northeast of Tahlequah, Cherokee County. The "10-nerved, scarcely angled" calyx, and the conspicuous bracts "half to fully as long as the calyx" (Gleason, 1952) as well as leaves "deeply 3-7 cleft and incised" (Fernald, 1950) separate this species from our less common *L. Cardiaca*.

*Castilleja coccinea* (L.) Spreng., forma *lutescens* Farw. was collected as *Wallis* 6652, 6684 and 6840. They are hairy annuals with yellow floral bracts (Fernald, 1950). The abundant forma *coccinea* has red bracts. Both formas were found growing together in prairie areas one-half mile northeast of Quapaw, Ottawa County and one-half mile north and 1 mile west of Peggs in Cherokee County and just across the line in Mayes County.

### LITERATURE CITED

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