

NEW RECORDS OF DESMIDS IN OKLAHOMA¹

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Taft (1931, 1934, 1937) reported 189 species, varieties, and forms as the results of his taxonomic investigations of the Desmidiaceae of Oklahoma. An examination of collections made from Crystal Lake, Cleveland County, Oklahoma, from 1937 to 1943 has yielded 55 additional species, varieties, and forms. The present paper includes these and consequently brings up to date the list of known desmids for the state, making a total of 244 records.

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LIST OF NEW FORMS

- Cylindrocystis americana* var. *minor* Cushman
Mesotaentium Endlicherianum Näg.
Netrium oblongum (D. By.) Lütke.
Closterium acerosum var. *elongatum* Bréb.
Closterium calosporum Wittr.
Closterium calosporum Wittr. forma *major* W. and G. S. West
Closterium Dianae Ehr.
Closterium Dianae var. *arcuatum* (Bréb.) Rad.
Closterium gracile Bréb.
Closterium parvulum Näg. forma *sigmoideum* Irénée-Marie
Pentium minutum (Ralfs) Cleve
Pleurotaentium Ehrenbergii var. *undulatum* Schaarschm.
Pleurotaentium Trabecula (Ehr.) Näg. forma *granulata* G. S. West
Euastrum denticulatum (Kirchn.) Gay
Euastrum spinosum Ralfs
Cosmarium abruptum Lund.
Cosmarium Botrytis var. *subtumidum* Wittr.
Cosmarium fontigenum Nordst.
Cosmarium Gayanum De Toni
Cosmarium granatum var. *subangulare* W. and G. S. West
Cosmarium granatum var. *subgranatum* Nordst.

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- Cosmarium margaritifera* Menegh.
Cosmarium obtusatum Schmidle
Cosmarium obtusatum var. *Beanlandii* W. and G. S. West
Cosmarium pseudobroomei Wolle
Cosmarium pseudoprotuberans Kirchner
Cosmarium punctulatum var. *subpunctulatum* (Nordst.) Börg.
Cosmarium pygmaeum Archer
Cosmarium quinarium Lund.
Cosmarium sezangulare var. *minima* Nordst.
Cosmarium Sportella Bréb.
Cosmarium subbroomei Schmidle
Cosmarium subcostatum Nordst. forma *minor* W. and G. S. West
Cosmarium subcrenatum Hantzsch.
Cosmarium subcrenatum var. *divaricatum* Wille
Cosmarium trachydermum W. and G. S. West
Cosmarium triplicatum Wolle
Cosmarium venustum (Breb.) Archer forma *minor* Wille
Dichotomum elegans W. West
Staurastrum alternans Breb.
Staurastrum anatinum var. *biradiatum* West
Staurastrum Cerastes Lund.
Staurastrum Clepsydra Nordst.
Staurastrum dejectum var. *patens* Nordst.
Staurastrum gracile Ralfs
Staurastrum gracile var. *coronulatum* Boldt.
Staurastrum Manfeldtii Delp.
Staurastrum margaritaceum (Ehr.) Menegh.
Staurastrum natator W. West
Staurastrum paradoxum var. *evolutum* W. and G. S. West
Staurastrum polymorphum Bréb.
Staurastrum setigerum Cleve. var.?
Staurastrum spiculiferum G. M. Smith
Staurastrum striolatum (Näg.) Archer
Desmidiium Aptogonum Bréb.

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