

The Field Checklist of Saskatchewan Flora by Area series was developed by John Hudson and distributed by the Saskatchewan Natural History Society (Nature Saskatchewan). Both Nature Saskatchewan and John Hudson's family have provided their permission for these checklists to be made available online.

The following is an article written in 2010 in tribute to John Hudson by Vernon L. Harms, originally printed in the Native Plant Society of Saskatchewan's Native Plant News (Vol. 15, No. 2) and included here with permission from the Native Plant Society of Saskatchewan. The Field Checklist begins on the next page.

Remembering a Great Botanist

By Vernon L. Harms

Former U. of S. Professor of Botany

With the passing of John Howard Hudson, we have lost a dedicated, highly knowledgeable, and prolific floristic botanist. While formally educated, John's extensive botanical knowledge and plant identification expertise were almost entirely self-learned and his many botanical contributions came via his hobby rather than through paid professional work.

John was born on July 27, 1923, to Allan and Dorothy Hudson, and raised on the family farm between Mortlach and Parkbeg, Sask. After graduating from the University of Saskatchewan with a master's degree in Chemistry, John worked for many years at the Saskatchewan Research Council in Saskatoon as a ceramics engineer.

John had an especially great love and enthusiasm for botany and Saskatchewan plants. This became an overwhelming life-time endeavour. During summers, he made numerous botanizing trips throughout the province. He collected in excess of 5,000 specimens of native and naturalized plants.

John was a selective collector, searching especially for the new, rare and unusual plants ("novelties" he called them). Besides keen vision, John appeared to have an encyclopedic mind and a photographic memory that seemingly allowing him to 'scroll' through identification keys in his mind while examining plants in the field. John's neat, well collected specimens, were accompanied by hand-scripted labels giving meticulous collecting data. John's plant collections are especially valuable in containing so many meaningful contributions to the known flora of Saskatchewan.

Over the course of more than a half-century John almost annually published botanical articles or notes, reporting and describing the new, rare or unusual, native and naturalized plants that he had found during preceding field seasons. Literally dozens of newly discovered plant species in the natural flora of Saskatchewan were collected and reported by John and the known ranges of many other species were significantly amplified. A singularly important contribution to our knowledge of Saskatchewan's flora was his *Carex* in Saskatchewan, published in 1977. John Hudson certainly left his mark with his many contributions to our knowledge of the Saskatchewan flora.

But the foregoing hardly begins to adequately describe the impact John made on many botanically interested persons in Saskatchewan. Over the years he identified or verified plant collections for numerous individuals. He accompanied many on field trips, sharing his considerable knowledge. He was our resident Saskatchewan expert on sedges (*Carex* spp.) and was frequently con-tacted in this capacity.

John Hudson was a highly intelligent and knowledgeable person. Personally, I appreciated him as a colleague and friend, and have fond memories of hours spent working together, both in the her-barium and in the field. During the non-field season, John would spend almost every noon hour, and often evenings and weekends, working with the plant collections in the University of Saskatchewan's W.P. Fraser Herbarium. We had numerous deliberations about various plants. Questions were often passed to him for comment. John was not an overly verbal man but he would deliver his words and comments deliberately and precisely. One can remember well his delightful, though subtle, sense of humour.

Recently John donated his fine plant collections to the W. P. Fraser Herbarium. These excellent collections themselves represent a valuable continuing legacy for him.

John was a special person who contributed much to Saskatchewan floristic botany. As a person, he meant much to many of us, and he will be greatly missed.

FIELD CHECKLIST OF SASKATCHEWAN FLORA NORTH LIST

DATE _____

PLACE _____

EQUISETAC.

- Equisetum arvense*
- Equisetum fluviatile*
- E. hyemale/affine*
- Equisetum palustre*
- Equisetum pratense*
- Equisetum scirpoides*
- Equisetum sylvaticum*
- Equisetum variegatum*

LYCOPODIAC.

- Lycopodium annotinum*
- Lycopodium clavatum*
- Lycopodium complanatum*
- Lycopodium inundatum*
- Lycopodium obscurum*
- Lycopodium sabinæfolium*
- Lycopodium selago*

SELAGINELLAC.

- Selaginella rupestris*
- Selaginella selaginoides*

ISOËTAC.

- Isoetes echinospora*

OPHIOGLOSSAC.

- Botrychium lunaria*
- Botrychium matricariaefolium*
- Botrychium multifidum*
- Botrychium virginianum*

POLYPODIAC.

- Althium filix-foemina*
- Cryptogramma crispa*
- Cystopteris fragilis*
- Cystopteris montana*
- Dryopteris austriaca/spinulosa*
- Dryopteris cristata*
- Dryopteris fragrans*
- Gymnocarpium dryopteris*
- Onoclea struthiopteris*
- Pellaea glabella*
- Polypodium vulgare*
- Thelypteris phegopteris*
- Woodsia glabella*
- Woodsia ilvensis*
- Woodsia oregana*

PINAC.

- Abies balsamea*
- Juniperus communis*
- Juniperus horizontalis*
- Larix laricina*
- Picea glauca*
- Picea mariana*
- Pinus banksiana*

TYPHAC.

- Typha latifolia*

SPARGANTAC.

- Sparganium angustifolium*
- Sparganium chlorocarpum*
- Sparganium eurycarpum*

MAP OF SASKATCHEWAN SHOWING SOIL ZONES



- Sparganium fluctuans*
- Sparganium minimum*
- Sparganium multipedunculatum*

ZOSTERAC.

- Potamogeton alpinus*
- Potamogeton amplifolius*
- Potamogeton epihydrus*
- Potamogeton filiformis*
- Potamogeton foliosus*
- Potamogeton friesii*
- Potamogeton gramineus*
- Potamogeton natans*
- Potamogeton obtusifolius*
- Potamogeton pectinatus*
- Potamogeton praelongus*
- Potamogeton pusillus*
- Potamogeton richardsonii*
- Potamogeton robbinsii*
- Potamogeton strictifolius*
- Potamogeton vaginatus*
- Potamogeton zosteriformis*

NAJADAC.

- Najas flexilis*

JUNCAGINAC.

- Triglochin maritima*
- Triglochin palustris*
- Scheuchzeria palustris*

ALISMAC.

- Alisma plantago-aquatica*
- Sagittaria cuneata*
- Sagittaria latifolia*

HYDROCHARITAC.

- Elodea canadensis*

GRAMINAE

- Agropyron cristatum s.l.*
- Agropyron repens*
- Agropyron subsecundum*
- Agropyron trachycaulum*
- Agrostis alba/stolonifera*
- Agrostis borealis*
- Agrostis scabra*

- Alopecurus aequalis*
- Avena fatua*
- Beckmannia syzigachne*
- Bromus ciliatus*
- Bromus inermis*
- Bromus pumellianus*
- Calamagrostis canadensis*
- C. inexpansa/neglecta*
- Calamagrostis lapponica*
- Calamagrostis purpurascens*
- Cinna latifolia*
- Danthonia spicata*
- Deschampsia caespitosa*
- Dcaesp. mackenzieana*
- Elymus arenarius*
- Elymus canadensis*
- Elymus innovatus*
- X Elymus macounii*
- Festuca ovina/saximontana*
- Festuca rubra*
- Festuca scabrella*
- Glyceria borealis*
- Glyceria canadensis*
- Glyceria grandis*
- Glyceria pulchella*
- Glyceria striata*
- Hierochloë odorata*
- Hordeum jubatum*
- Koeleria cristata*
- Muhlenbergia glomerata*
- Milium effusum*
- Oryzopsis asperifolia*
- Oryzopsis canadensis*
- Oryzopsis pungens*
- Panicum capillare*
- P. subvillosum/lanuginosum*
- Panicum wilcoxianum*
- Panicum xanthophysum*
- Phalaris arundinacea*
- Phleum pratense*
- Phragmites communis*
- Poa alpina*
- Poa annua*
- Poa arctica*
- Poa compressa*
- Poa glauca*
- Poa lanata*
- Poa palustris agg.*
- Poa pratensis agg.*
- Puccinellia nuttalliana*
- Schizachne purpurascens*
- Sphenopholis intermedia*
- Stipa spartea curtisetata*
- Stipa viridula*
- Trisetum spicatum*
- Torreyochloa pallida*
- Zizania aquatica*

CYPERAC.

- Carex abdita/umbellata*
- Carex adusta*
- Carex aenea*
- Carex aquatilis*

- Carex arcta*
- Carex attherodes*
- Carex atratififormis*
- Carex aurea*
- Carex backii*
- Carex hebbii*
- Carex bicolor*
- Carex bigelovii*
- Carex brunnescens*
- Carex buxbaumii*
- Carex canescens*
- Carex capillaris*
- Carex capitata*
- Carex chordorrhiza*
- Carex concinna*
- Carex crawfordii*
- Carex deflexa*
- Carex deweyana*
- Carex diandra*
- Carex disperma*
- Carex eburnea*
- Carex echinata*
- Carex flava*
- Carex garberi*
- Carex glacialis*
- Carex gynocrates*
- Carex heleonastes*
- Carex houghtonii*
- Carex hystericina*
- Carex interior*
- Carex lacustris*
- Carex lanuginosa*
- Carex lasiocarpa*
- Carex laxiflora varians*
- Carex leucicularis*
- Carex leptalea*
- Carex limosa*
- Carex livida*
- Carex loliacea*
- C. macloviana microptera*
- C. magellanica/paupercula*
- Carex maritima*
- Carex michauxiana*
- Carex norvegica/media*
- Carex oligosperma*
- Carex parryana*
- Carex pauciflora*
- Carex peckii*
- Carex pedunculata*
- Carex prairea*
- Carex praticola*
- Carex pseudo-cyperus*
- Carex retrorsa*
- Carex richardsonii*
- Carex rossii*
- Carex rostrata*
- Carex sartwellii*
- Carex saxatilis s.l.*
- C. scirpoides scirpoides*
- C. siccata/foenea*
- Carex sterilis*
- Carex stipata*

Carex supina
Carex sychnocephala
Carex tenera
Carex tenuiflora
Carex tonsa
Carex trisperma
Carex vaginata
C. viridula/oederi
Carex vulpinoidea
Carex xerantha
Cladium mariscoides
Cyperus inflexus/aristatus
Eleocharis acicularis

Eleocharis elliptica
Eleocharis nitida
Eleocharis palustris s.l.
E. pauciflora/quinq. flora
Eriophorum angustifolium
Eriophorum brachyantherum
E. chamissonis/russeolum
Eriophorum gracile
Eriophorum vaginatum
Eriophorum viridicarinatum
Rhynchospora alba
Rhynchospora capillacea
Rhynchospora fusca
Scirpus acutus
Scirpus americanus
Scirpus caespitosus
Scirpus clintonii
Scirpus cyperinus
Scirpus fluviatilis
Scirpus hudsonianus
Scirpus microcarpus
Scirpus validus

ARAC.

Acorus calamus
Calla palustris

LEMNAC.

Lemna minor
Spirodela polyrrhiza

JUNCAC.

Juncus alpinus
Juncus balticus
Juncus brevicaudatus
Juncus bufonius
Juncus castaneus
Juncus filiformis
Juncus longistylis
Juncus nodosus
Juncus stygius
Juncus tenuis
Juncus triglumis
Juncus vaseyi
Luzula acuminata
Luzula confusa
Luzula multiflora
Luzula nivalis
Luzula parviflora

LILIAC.

Allium schoenoprasum
Allium stellatum
Disporum trachycarpum
Lilium philadelphicum
Maianthemum canadense
Smilacina stellata
Smilacina trifolia
Streptopus amplexifolius
Tofieldia glutinosa
Tofieldia pusilla
Zygadenus elegans

IRIDAC.

Sisyrinchium bermudiana s.l.

ORCHIDAC.

Arethusa bulbosa
Calypso bulbosa
Corallorhiza maculata
Corallorhiza striata
Corallorhiza trifida
Cypripedium acaule
Cypripedium arietinum
C. calceolus parviflorum
C. calceolus pubescens
Cypripedium passerinum
Goodyera repens
Habenaria dilatata
Habenaria hyperborea
Habenaria obtusata
Habenaria orbiculata
Habenaria viridis
Listera borealis
Listera cordata
Malaxis monophyllos
Malaxis paludosa
Orchis rotundifolia
Spiranthes gracilis/lacera
Spiranthes romanzoffiana

SALICAC.

Populus balsamifera
Populus tremuloides
Salix arctophila
Salix bebbiana
Salix brachycarpa
Salix candida
Salix discolor
Salix glauca
Salix humilis
S. interior/fluviatilis
S. lutea/turnorii
Salix maccalliana
Salix mackenziana
Salix monticola
Salix myrtilifolia
S. pedicularis/athabascensis
Salix pellita
Salix petiolaris
Salix silicicola

Salix planifolia
Salix pyrifolia
Salix reticulata
Salix scouleriana
Salix serissima

MYRICAC.

Myrica gale

BETULAC.

Alnus crispa/viridis
A. incana/rugosa
Betula papyrifera s.l.
Betula pumila s.l.
Corylus cornuta

URTICAC.

Urtica dioica

SANTALAC.

Comandra pallida/umbellata
Geocaulon lividum

LORANTHAC.

Arceuthobium americanum

POLYGONAC.

Polygonum achoreum
Polygonum amphibium
Polygonum aviculare (int.)
Polygonum cilinode
Polygonum coccineum
Polygonum convolvulus
Polygonum douglasii
Polygonum lapathifolium
Polygonum punctatum
Polygonum ramosissimum
Polygonum scandens
Polygonum viviparum
Rumex acetosella
Rumex maritimus
Rumex occidentalis
Rumex orbiculatus

CHENOPODIAC.

Atriplex hortensis
Chenopodium album s.l.
Chenopodium capitatum
Ch. glaucum/salinum
Ch. hybridum/gigantosperrum
Kochia scoparia

AMARANTHAC.

Amaranthus retroflexus

CARYOPHYLLAC.

Arenaria lateriflora
Arenaria macrophylla
A. stricta/dawsonensis
A. verna/rubella
Cerastium alpinum s.l.
Cerastium arvense
Cerastium nutans
Cerastium vulgatum
Lychnis pudica/drummondii
Sagina nodosa
Silene acaulis
Silene antirrhina

Silene cucubalus
Silene menziesii
Silene noctiflora
Spergula arvensis
Stellaria calycantha
Stellaria crassifolia
Stellaria longifolia
Stellaria longipes s.l.
Stellaria media

CERATOPHYLLAC.

Ceratophyllum demersum

NYMPHAEAC.

Nuphar variegatum
Nymphaea tetragona

RANUNCULAC.

Actaea rubra
Anemone canadensis
Anemone multifida
Anemone parviflora
Anemone patens
Anemone quinquefolia
Anemone richardsonii
Anemone virginiana
Aquilegia brevistyla
Caltha natans
Caltha palustris
Coptis trifolia
Delphinium brownii
Ranunculus abortivus
Ranunculus acris
Ranunculus aquatilis s.l.
Ranunculus cymbalaria
Ranunculus gmelinii
Ranunculus hyperboreus
Ranunculus lapponicus
Ranunculus macounii
Ranunculus pennsylvanicus
R. reptans/flammula
Ranunculus rhomboideus
Ranunculus scleratus
Thalictrum dosycarpum
Thalictrum sparsiflorum
Thalictrum venulosum

FUMARIAC.

Corydalis aurea
Corydalis sempervirens

CRUCIFERAE

Arabis arenicola
Arabis divaricarpa
Arabis drummondii
Arabis glabra
Arabis hirsuta
Arabis lyrata
Arabis retrofracta
Barbarea orthoceras
Capsella bursa-pastoris
Cardamine parviflora
Cardamine pennsylvanica
Cardamine pratensis
Descurainia richardsonii

Descurainia sophia
 Draba aurea
 Draba cinerea
 Draba lanceolata/cana
 Draba nemorosa
 Erysimum cheiranthoides
 Lepidium densiflorum
 Rorippa islandica
 Sisymbrium loeselii
 Subularia aquatica
 Thlaspi arvense
DROSERAC.
 Drosera anglica
 Drosera rotundifolia
SARRACENIAC.
 Sarracenia purpurea
SAXIFRAGAC.
 Chrysosplenium tetrandrum
 Heuchera richardsonii
 Mitella nuda
 Parnassia glauca
 Parnassia kotzebuei
 Parnassia palustris
 Ribes americanum
 Ribes glandulosum
 Ribes hudsonianum
 Ribes lacustre
 Ribes oxycanthoides s.l.
 Ribes triste
 Saxifraga tricuspidata
 Saxifraga pennsylvanica
ROSAC.
 Amelanchier alnifolia
 Dryas drummondii
 Fragaria vesca
 Fragaria virginiana
 Geum perincisum
 Geum rivale
 Potentilla anserina
 Potentilla arguta
 Potentilla fruticosa
 Potentilla multifida
 Potentilla nivea s.l.
 Potentilla norvegica
 Potentilla palustris
 Potentilla pennsylvanica
 Potentilla tridentata
 Prunus pennsylvanica
 Prunus virginiana
 Rosa acicularis
 Rubus acaulis/arcticus
 Rubus chamaemorus
 R. idaeus/strigosus
 Rubus pubescens
 Sorbus americana
 Spiraea alba
LEGUMINOSAE
 Astragalus aboriginum

Astragalus alpinus
 A. americanus/frigidus
 Astragalus canadensis
 Astragalus eucomis
 Agoniatius/agrestis
 A. striatus/adurgens
 Astragalus yukonis
 Caragana arborescens
 Hedysarum americanum
 Lathyrus ochroleucus
 Lathyrus venosus
 Medicago lupulina
 Medicago sativa
 Melilotus alba
 Melilotus officinalis
 Oxytropis campestris
 Oxytropis deflexa
 Trifolium hybridum
 Trifolium pratense
 Trifolium repens
 Vicia americana
 Vicia cracca
GERANIAC.
 Geranium bicknellii
BALSAMINAC.
 Impatiens capensis + cleist
 Impatiens noli-tangere
POLYGALAC.
 Polygala paucifolia
 Polygala senega
CALLITRICAC.
 Callitriche hermaphroditica
 Callitriche palustris
EMPETRAC.
 Empetrum nigrum
ANACARDIAC.
 Rhus glabra
ACERAC.
 Acer spicatum
RHAMNAC.
 Rhamnus alnifolia
MALVAC.
 Malva rotundifolia
HYPERICAC.
 Hypericum majus
 Hypericum virginicum
ELATINAC.
 Elatine triandra
CISTAC.
 Hudsonia tomentosa
 Lechea intermedia
VIOLAC.
 Viola adunca
 Viola nephrophylla
 Viola palustris
 Viola pubescens
 Viola renifolia
 Viola rugulosa
 Viola selkirkii

ELAEAGNAC.
 Elaeagnus commutata
 Shepherdia canadensis
ONAGRAC.
 Circaea alpina
 Epilobium angustifolium
 Epilobium glandulosum
 Epilobium leptophyllum
 Epilobium palustre
 Oenothera biennis
HIPPURIDAC.
 Hippuris vulgaris
HALORAGAC.
 Myriophyllum alterniflorum
 Myriophyllum spicatum s.l.
ARALIAC.
 Aralia hispida
 Aralia nudicaulis
UMBELLIFERAE
 Carum carvi
 Cicutula bulbifera
 Cicutula mackenzieana
 Cicutula maculata s.l.
 Heracleum lanatum
 Osmorhiza obtusa/depauperata
 Sanicula marilandica
 Sium suave
 Zizia aptera
CORNAC.
 Cornus canadensis
 Cornus stolonifera
PYROLAC.
 Chimaphila umbellata
 Monotropa uniflora
 Pyrola asarifolia
 Pyrola elliptica
 Pyrola grandiflora
 Pyrola minor
 Pyrola secunda
 Pyrola/Moneses uniflora
 Pyrola virens
ERICAC.
 Andromeda glaucophylla
 Andromeda polifolia
 Arctostaphylos rubra
 Arctostaphylos uva-ursi
 Chamædaphne calyculata
 Gaultheria hispidula
 Kalmia polifolia
 Ledum decumbens
 Ledum groenlandicum
 Loiseleuria procumbens
 Oxycoccus microcarpus
 Oxycoccus quadripetalus
 Vaccinium caespitosum
 Vaccinium myrtilloides
 Vaccinium uliginosum
 Vaccinium vitis-idaea

PRIMULAC.
 Androsace septentrionalis
 Dodecatheon pulchellum
 Lysimachia ciliata
 Lysimachia thyrsoiflora
 Primula incana
 Primula mistassinica
 Trientalis borealis
 Trientalis europaea
PLUMBAG.
 Armeria maritima
GENTIANAC.
 Gentiana amarella
 Gentiana tosa
 Halenia deflexa
 Menyanthes trifoliata
APOCYNAC.
 Apocynum androsæmifolium
POLEMONIAC.
 Collomia linearis
HYDROPHYLLAC.
 Phacelia franklinii
BORAGINAC.
 Cynoglossum boreale
 Lappula echinata
 Mertensia paniculata
LABIATAE
 Agastache foeniculum
 Galeopsis tetrahit
 Glecoma hederacea
 Hedeoma hispida
 Lycopus americanus
 Lycopus uniflorus
 Mentha arvensis
 Moldavica parviflora
 Prunella vulgaris
 Scutellaria galericulata
 Stachys palustris
SOLANAC.
 Physalis grandiflora
SCROPHULARIAC.
 Castilleja mineata
 Castilleja rupestris
 Collinsia parviflora
 Euphrasia arctica agg.
 Melampyrum lineare
 Pedicularis groenlandica
 Pedicularis labradorica
 Pedicularis parviflora
 Pentstemon gracilis
 Rhinanthus crista-galli
 Veronica americana
LENTIBULARIAC.
 Pinguicula villosa
 Pinguicula vulgaris
 Utricularia cornuta
 Utricularia intermedia
 Utricularia minor

Utricularia vulgaris
PLANTAGINAC.

Plantago major
RUBIAC.

Galium boreale
G. trifidum / Labradoricum
Galium triflorum
Houstonia longifolia
CAPRIFOLIAC.

Diervilla lonicera
Linnaea borealis
Lonicera caerulea / villosa
Lonicera dioica
Lonicera involucrata
Lonicera oblongifolia
Sambucus racemosa
Symphoricarpos albus
Symphoricarpos occidentalis
Viburnum edule
Viburnum opulus

ADOXAC.

Adoxa moschatellina

CAMPANULAC.

Campanula aparmoides
Campanula rotundifolia

LOBELIAC.

Lobelia dortmanna
Lobelia kalmii

VALERIANAC.

Valeriana dioica

COMPOSITAE

Achillea borealis
Achillea megacephala
Achillea millefolium
Achillea sibirica
Agoseris glauca
Ambrosia artemisiæfolia
Anaphalis margaritacea
Antennaria aprica
A. microphylla / nitida
A. neglecta / campestris
Antennaria pulcherrima
Antennaria rosea
Arnica alpina
Arnica chamissonis
Arnica cordifolia
Arnica lonchophylla
Artemisia absinthium
Artemisia biennis
A. campestris / scouleriana
Artemisia frigida
A. ludoviciana / ludov.
Artemisia vulgaris
Aster brachyactis
Aster ellipticus
Aster conspicuus
Aster hesperius
Aster junciiformis
Aster laevis

Aster modestus
Aster puniceus
Bidens beckii
Bidens cernua
Chrysanthemum leucanthemum
Cirsium arvense
Cirsium drummondii
Cirsium muticum
Crepis runcinata
Crepis tectorum
Erigeron acris
Erigeron canadensis
Erigeron elatus
Erigeron glabellus
Erigeron hyssopifolius
Erigeron philadelphicus
Erigeron strigosus
Eupatorium purpureum
Gnaphalium uliginosum

Helenium autumnale
Helianthus nuttallii
Hieracium umbellatum
Lactuca biennis
Lactuca pulchella
Lactuca scariola
Matricaria matricarioides
M. inodora / maritima

Petasites palmatus
Petasites sagittatus
Petasites vilifolius
Prenanthes racemosa
Rudbeckia hirta
Senecio congestus
Senecio eremophilus
S. indecorus / pseud aureus
Senecio pauperculus
Senecio streptanthifolius
Senecio vulgaris
Solidago canadensis can.
Solidago graminifolia
Solidago hispida
Solidago multiradiata
Solidago nemoralis
Solidago spathulata
Sonchus arvensis
Sonchus asper
Tanacetum huronense
Taraxacum ceratophorum
Taraxacum laevigatum
Taraxacum officinale
Tragopogon dubius