Ethnobotany Lab 10.
Finishing and using North Dakota Ethnobotany database

April 21st, 2011

Background

Today we will finish the North Dakota Ethnobotany database preparation. We have now four literature sources:

2 Gilmore, M.R. (1991) Uses of plants by the Indians of Missouri River region, 160 p. [Dakota]
3 Kindscher, K. (1992) Medicinal wild plants of the prairie, 340 p.
4 Kindscher, K. (1997) Edible wild plants of the prairie, 280 p.
5 Smith, H.H. (1932) Ethnobotany of the Ojibwe Indians, 100 p.

This is a classification you should consider for general plant use characteristic:

1. **Food** plants
2. **Technical**: fiber, wood, latex, dye, feeding
3. **Medicinal**: vitamins, ethereal oils, glycosides, alkaloids, spices, stimulating, narcotics
4. **Ornamental**: outdoor annuals, perennials, trees and shrubs, cut plants, indoor pot plants

Assignment

Part 1. Finishing the database preparation. We will work in pairs. Take the 4–5 pages from any source, and extract information into Excel spreadsheet (template is available for donwload from course Web page, `http://ashipunov.info/shipunov/school/biol_310/lab_10.xls`). For [3] and [4], please consider only plants which occur in North Dakota. Please be extremely careful with scientific names, they should be spelled **exactly** like in the source book! Always fill "specific uses" (F column) as much as possible. Do not forget to provide book name (or number) and page number.

When finish, save resulted Excel file and send it to me (`mailto:alexey.shipunov@minotstateu.edu`) as an attachment to the email. In the email, clearly state your names.

Part 2. Using and correcting database. Choose one of essay themes:

- Food plants
- Technical plants
- Ornamental (ceremonial) plants
- Medicinal plants: gastrointestinal system
- Medicinal plants: heart and blood system
- Medicinal plants: nervous system
- Medicinal plants: muscles, skeleton and skin
- Medicinal plants: nose, ears, eyes
- Medicinal plants: supportive and protective

and prepare short (1/2–2/3 page) essay about native plant uses using database. If you find any errors in the database, please mention them in the end of essay. Essay is due to next Wednesday, April 27th.