



Ihtiološka zbirka - Primjerak premješten u novu laboratorijsku bocu



Iz fotodokumentacije Zbirke kornjaša dr. Eduarda Karamana



Indijska lađica (*Nautilus pompilius*) iz Malakološke zbirke obitelji Bakotić



BIRODOSLOVNI MUSEJ
IZOZOLOŠKI VRT

News from Carl Studniczka's herbarium (ord. Onagraceae, Cucurbitaceae and Portulacaceae)

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INTRODUCTION

Since 2005, we have been working on Carl Studniczka's herbarium which can be found in the Natural History Museum in Split. As a botaanist amateur, Carl Studniczka collected plants while he was traveling (1829-1904) and working as an officer (1833) and knows from herbarium sheets: wide surrounding area of Vienna and Višegrad Naustica in Austria, of Split in Croatia, of Kotor in Montenegro, of Cloncuq and Letimetz in the Czech Republic, of Przemysl in Poland and at last the wide surrounding area of Trieste in Italy. The analysis has shown that this herbarium contains samples of the plants which were collected and sent to Studniczka by many botanists or collectors of that time.

MATERIALS AND METHODS

From some part of the C. Studniczka's herbarium, in this paper we analysed the herbarium sheets (ord. Onagraceae, Cucurbitaceae and Portulacaceae). From the labels of the herbarium sheets first, we copied the Latin name of the genus and the species (then the date, month and year of collection, followed by the collector and the affiliation to the particular herbarium collection. According to TUTIN et al. (1964-1969) and TUTIN et al. (1993) we listed the name of the species in brackets, from the label we copied the name of the place where the plant had been found (with altitude data if available) and listed the number of herbarium sheets in brackets.

RESULTS AND DISCUSSION

Total number of the herbarium sheets in analysed part of the herbarium is 64 with 106 samples of basal plants. The majority of the plants was collected in Europe (53 herbarium sheets, 86%), and 9 sheets originate from North America. Most of the herbarium samples (No. 1) were collected in the area of Czech Republic (12 herbarium sheets), and Austria (12). According to the written localities following countries are represented and these are: USA (9), Germany (9), Italy (4), Croatia (3), France (3), Montenegro (3), Poland (2), Hungary (1), Russia (1), Slovakia (1), Switzerland (1), Romania (1), Norway (1) and Great Britain (1).

According to the affiliation to a particular herbarium collection (No. 2) in analysed part of the herbarium (ord. Onagraceae, Cucurbitaceae and Portulacaceae) the most represented collection is Flora Danubiana (including Flora von Dalibor) collections with 6 herbarium sheets. This is followed by other collections, such as: Flora romana (5), Flora Adriatica (4), Flora Bohemica (4), flora von W. Neustadt (4), Flora von Trieste (4), C. Beckler Herbarium Europaeum (2), Egger Herbarium Amoroense (2), Flora von Gaster, Polen (2). Another 8 collections are also represented by one sheet in the part of the herbarium which has already been analysed (compare with VLADOVIĆ et al., 2007 a, b; VLADOVIĆ et al., 2009 a, b; VLADOVIĆ et al., 2010 a, b; VLADOVIĆ et al., 2011; VLADOVIĆ et al., 2012; ŽEVRNJA et al., 2009 a, b; ŽEVRNJA et al., 2009 a, b, c; ŽEVRNJA et al., 2010 a, b; ŽEVRNJA et al., 2011; ŽEVRNJA et al., in press; ŽEVRNJA et al., 2008 a, b; MITIĆ et al., 2010-2011; MITIĆ et al., 2011; MITIĆ et al., in press; 2012) new collections is mentioned and there are: Herbarium von Phaner Zolniko in Maribor and Flora der Maribor. There are 26 herbarium sheets that are unmarked and therefore we do not know which herbarium collection they belong to.

Most of the samples of herbarium plants (Fig. 3) were collected by Studniczka himself (22 herbarium sheets). In ord. Onagraceae, Cucurbitaceae and Portulacaceae, Studniczka received herbarium sheets from 22 collectors of botanists. In the part of the herbarium which has already been analysed (compare with VLADOVIĆ et al., 2007 a, b; VLADOVIĆ et al., 2009 a, b; VLADOVIĆ et al., 2010 a, b; VLADOVIĆ et al., 2011; VLADOVIĆ et al., in press; ŽEVRNJA et al., 2006 a, b; ŽEVRNJA et al., 2009 a, b, c; ŽEVRNJA et al., 2010 a, b; ŽEVRNJA et al., 2011; MITIĆ et al., 2008 a, b; MITIĆ et al., 2010-2011; MITIĆ et al., 2011; MITIĆ et al., in press; 2012) new collectors are mentioned and there are: Carby, Kerker, Malinver, Pitoni, Schemmer, Schuppli and Uehertz.

The oldest herbarium sheet dates from 1856, where as the newest ones date from 1902. The vast majority of herbarium sheets (25), was collected during the period from 1871 to 1889 (Fig. 4). The exact year of collection missing from 10 herbarium labels.

According to Studniczka, within 64 herbarium sheets, in analysed part of the herbarium (ord. Onagraceae, Cucurbitaceae, Portulacaceae) there are 18 genera with 45 species, and 1 varieties. The most species represented genera are Epilobium (22 species and 1 varieties) and Diactera (5 species). According to Flora Europaea there are 18 genera with 20 species of plants and 5 subspecies. The most species represented genera are: Epilobium (15 species and 3 subspecies) and Diactera (5 species).

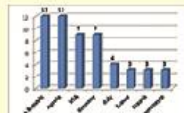


Figure 1. Distribution of herbarium sheets (ord. Onagraceae, Cucurbitaceae and Portulacaceae)

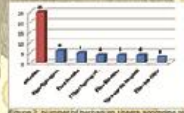


Figure 2. Number of herbarium sheets according to the affiliation to different herbaria (ord. Onagraceae, Cucurbitaceae and Portulacaceae)

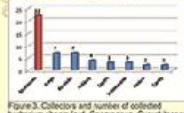


Figure 3. Collectors and number of collected herbarium sheets (ord. Onagraceae, Cucurbitaceae and Portulacaceae)

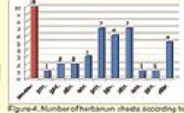


Figure 4. Number of herbarium sheets according to the year of collector (ord. Onagraceae, Cucurbitaceae and Portulacaceae)



Figure 5. Herbarium sheet - Studniczka



Figure 6. Herbarium sheet - Studniczka



Figure 7. Herbarium sheet - Schumner

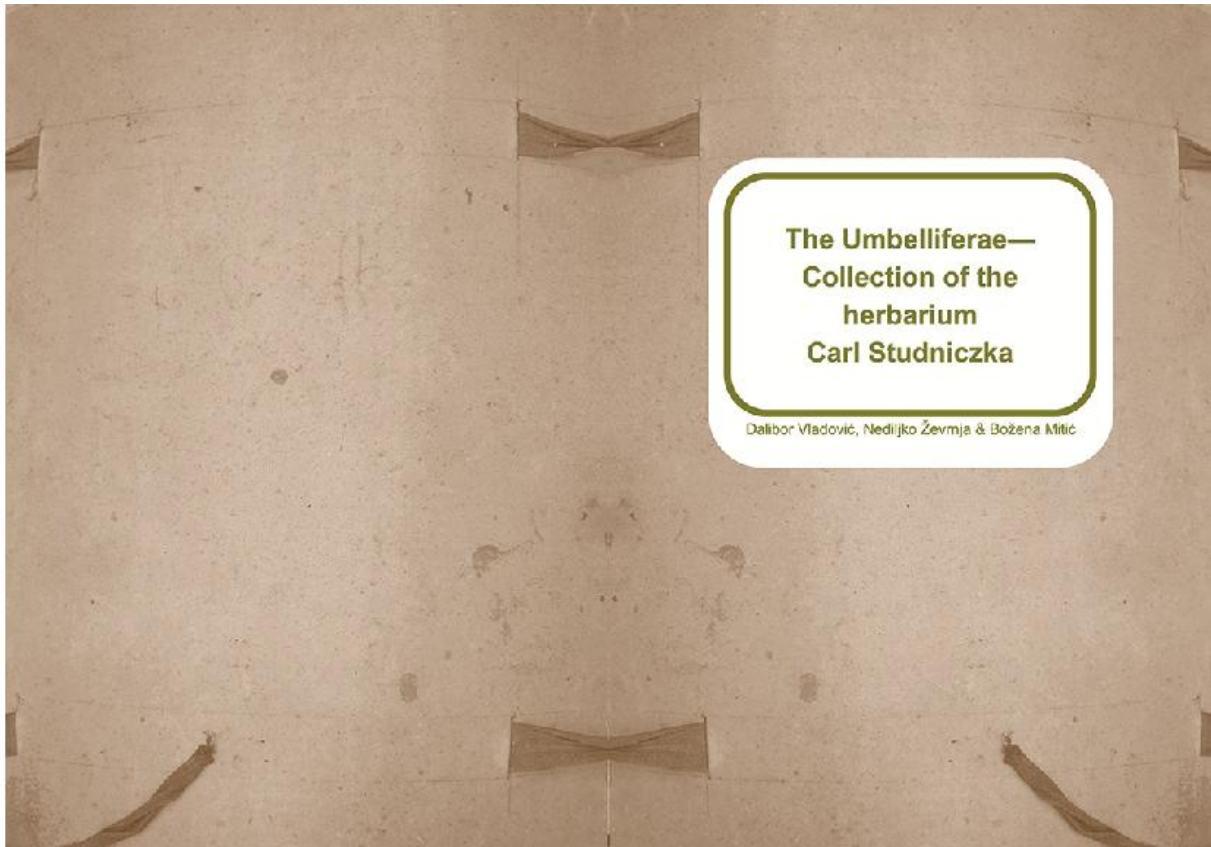


Figure 8. Herbarium sheet - Kerker

Poster News from Carl Studniczka's herbarium herbarium (ord. Onagraceae, Cucurbitaceae and Portulacaceae)



Modeli ribarskih mreža i dio ribolovnih alata – izložba *Raznolikost morskih ribolovnih alata u Hrvata*



Korice knjižice *The Umbelliferae – Collection of the herbarium Carl Studniczka*