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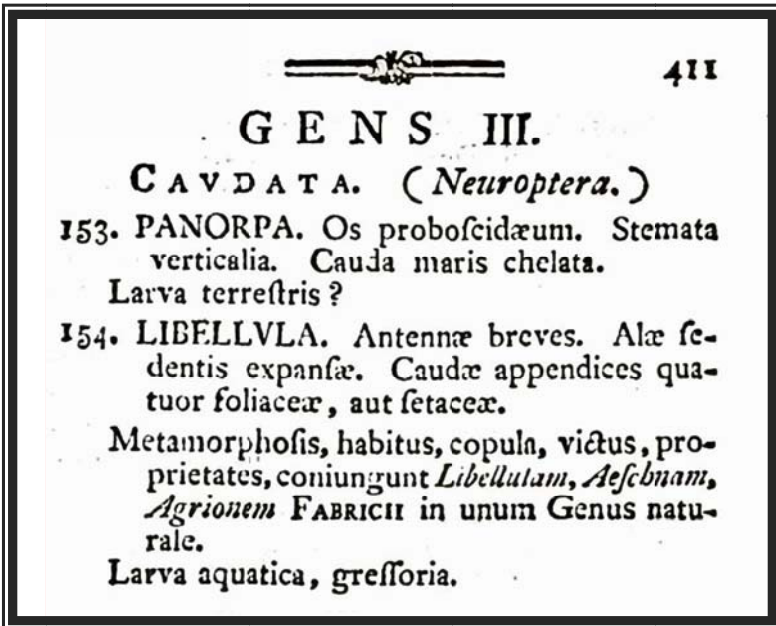
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IOANNIS ANTONII SCOPOLI

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BOOM 2014
4TH BALKAN ODONATOLOGICAL MEETING
BOSNIA AND HERZEGOVINA
1ST – 8TH AUGUST 2014

The Balkan Odonatological Meeting has already become a traditional event where dragonfly lovers, professionals and amateurs alike, can meet, exchange their ideas, present their research and work together while investigating dragonflies in one of the least known regions of Europe, the Balkan region. This year, the BOOM took place in Bosnia and Herzegovina and was organized by the Society for Biological Research and Protection of Nature BIO.LOG and the Natural Heritage Protection Society Arbor Magna, together with Slovene Odonatological Society (SOD).

The group of 22 enthusiastic participants – from Bosnia and Herzegovina, Germany, Macedonia, Serbia and Slovenia – came together and the research begun. In 8 days we visited over 60 localities. Out of 64 species known to be present in the country, 47 were observed during the Meeting.

Our survey started in Prnjavor (North Bosnia), continued through the central part of the country and finished in Blagaj (Herzegovina), so it included localities in all three biogeographical regions of the country.

The starting point of the Meeting was a small motel on the outskirts of Prnjavor city in north Bosnia. After gathering on the evening of the 1st of August, the plan and the goals of the Meeting were introduced by the organizers – Iva Miljević, Jelena Jakovljević and Dejan Kulijer – followed by a presentation of the field work methodology by Saša Rajkov and Damjan Vinko.



LIST OF PARTICIPANTS OF THE 4 TH BALKAN ODONATOLOGICAL MEETING BOOM 2014	
Radenka Đurasović - BOSNIA AND HERZEGOVINA	Andrea Arandelović - SERBIA
Jelena Jakovljević - BOSNIA AND HERZEGOVINA	Katarina Erić - SERBIA
Dejan Kulijer - BOSNIA AND HERZEGOVINA	Marija Gajić - SERBIA
Sara Mandić - BOSNIA AND HERZEGOVINA	Lena Kulić - SERBIA
Iva Miljević - BOSNIA AND HERZEGOVINA	Saša Rajkov - SERBIA
Selma Razić - BOSNIA AND HERZEGOVINA	Nina Erbida - SLOVENIA
Oliver Brauner - GERMANY	Brina Stančič - SLOVENIA
Marko Olias - GERMANY	Ana Tratnik - SLOVENIA
Falk Petzold - GERMANY	Tajda Turk - SLOVENIA
Sara Schloemer - GERMANY	Damjan Vinko - SLOVENIA
Mélanie Turiault - GERMANY	Biljana Rimceska - MACEDONIA



FIGURE 1: Participants of the BOOM 2014 in Blagaj (Foto: D. Kulijer).

The following three days of the Meeting were devoted to the survey of habitats in the north Bosnia lowland region, particularly the valleys of the Vrbas and Ukrina Rivers. Among other results, new localities of several nationally rare species – *Erythromma najas* and *Ceragrion tenellum* – as well as new populations of *Cordulegaster heros*, species of the Habitats Directive, are noteworthy.

Our plan for the fourth day was to investigate the alpine biogeographical region while traveling south through the mountains to our second destination, the Mediterranean influenced South Herzegovina region. Unfortunately, the rain and storms did not allow for this, so that only a few localities were examined, including Plivska Lakes and Ramsko Lake.

After arriving at Blagaj, we focused our research on the Trebižat and Neretva River catchments. On the fifth day, four groups executed research independently in order to visit as many different localities as possible. On this day, we investigated selected Mediterranean hotspots of Bosnia and Herzegovina, including small streams in the area, Trebižat River and Kravice Waterfall, the 25m high tufa waterfall on Trebižat River. One of the interesting sites was also Nevesinjsko Karst Polje, one of the poljes at higher altitude where Alpine and Mediterranean influences collide.



FIGURE 2: Lake at Nevesinjsko Karst Polje (Foto: I. Miljević).

The last day of our investigations was dedicated to the inspection of Hutovo blato wetland, the most pristine area of the Neretva River's delta, declared as Ramsar site and Nature Park. This is also the only locality of the threatened species *Lindenia tetraphylla* in Bosnia and Herzegovina, as well as the dragonfly richest area of the country.

In the Mediterranean region, we investigated and learned about the dragonfly fauna and the biodiversity of Neretva, Hutovo blato and Trebižat, biodiversity hotspots of the Mediterranean region in Bosnia and Herzegovina. Research conducted during the BOOM 2014 contributed to the research activities and conservation of dragonflies in these key biodiversity areas. Dragonfly research in the hotspots is implemented within the ongoing project on the research and protection of karst freshwater habitats, supported by Critical Ecosystem Partnership Fund (CEPF) and implemented by the BIO.LOG and SOD.



FIGURE 3: *Chalcolestes parvidens* ovipositing at Karanovac ponds (Foto: I. Miljević).

The Meeting finished in the morning of 8th of August. Although the short time of the excursion did not allow us to visit as many places as we wanted, we collected large amounts of distribution data from many different habitats. As the systematic investigation of dragonfly fauna in Bosnia and Herzegovina was started only a few years ago, many regions, especially in the north, are still insufficiently explored. The field work conducted during the BOOM enabled us to collect new and very important data for the country. The noteworthy results are new localities of rare and/or threatened species, like e.g. *Chalcolestes viridis*, *Coenagrion scitulum*, *Erythromma najas*, *Cordulegaster heros*, as well as improved knowledge of the distribution of many other species,

representing a significant contribution to the database of dragonflies of Bosnia and Herzegovina. The Meeting also resulted in the better knowledge of distribution of *Cordulegaster* and *Chalcolestes* species in Bosnia and Herzegovina.

In addition to the extensive field investigation, during the Meeting we also discussed many interesting topics on dragonfly fauna of the region and planned future research and conservation work in the area. The Meeting also offered an opportunity for the students to learn more about many species of these magnificent insects. The evenings were reserved for the presentation of dragonfly work of the

participants and after the end of the work part, socialization while enjoying local beer and music.

The BOOM 2014 was supported by Critical Ecosystem Partnership Fund, Slovene Odonatological Society, Rufford Foundation, International Dragonfly Fund as well as ŠOU Ljubljana, Študentski svet BF, ŠOBF and Društveno stičišče STIKS. We also would like to express our gratitude to Klaus-Jürgen Conze for his help in the organization of the Meeting, who unfortunately was not able to join us this year.

Warm weather, traveling through a wonderful country, catching dragonflies and all that with a fantastic team! Really, what more could you ask for?...

P.S. See you next year in Macedonia!

For any additional information please contact us by e-mail: balkandragonflies@gmail.com or visit the web site www.biolog.ba

(D. KULIJER, I. MILJEVIĆ & J. JAKOVLJEV)

BOOM 2014

ČETRTO MEDNARODNO SREČANJE ODONATOLOGOV BALKANA: BOSNA IN HERCEGOVINA

Na četrti balkanski odonatološki meeting BOOM 2014 smo se odpravili 1-VIII-2014, tokrat v Bosno in Hercegovino. Kot vsako leto - doslej v Sloveniji, Srbiji in na Hrvaškem- je srečanje potekalo v eni izmed balkanskih držav, z namenom druženja in izmenjave znanja ter idej balkanskih odonatologov. Vedno pa so dobrodošli tudi drugi naravoslovni navdušenci iz celotne Evrope. Tokrat smo se druženja udeležili Bosanci, Srbi, Makedonci, Nemci in Slovenci.

Do Prnjavorja, kjer smo bili nastanjeni prve štiri dni, smo potovali kar 8 ur. Pot je bila precej dolga zaradi mnogih zapletov, ki jih lahko izveste kdaj drugič, ob primernem vzdušju. Nastanjeni v severnem delu Bosne in Hercegovine, smo obiskali bližnje in malo bolj oddaljene lokacije ter seveda iskali kačje pastirje. Izogniti se nismo mogli niti minskim poljem. Da smo lahko obiskali več različnih lokacij in pokrili večje območje, smo se razdelili v dve skupini. Tereni so bili naporni, blatni, vroči, mokri in polni dogodivščin, kot se za odonatološke terene spodobi. Vsak večer smo imeli ob prijetnem vzdušju pred penzionom tudi zanimiva odonatološka predavanja. Damjan Vinko nas je poučil o zgodovini in nastanku BOOM-ov, Ana Tratnik nam je govorila o letošnjih Ekosistemih Balkana, ki so bili prav tako v Bosni in Hercegovini, Saša Rajkov je predstavil

najnovjše o kačjih pastirjih iz Srbije, Sara Schloemer nam je predavala o vplivu bobra na diverzitetu kačjih pastirjev, Oliver Brauner nam je pokazal nekaj o njihovem delu na kačjih pastirjih Nemčije.

V torek 5-VIII-2014 smo se odpravili proti jugu države. Sreča nam je bila naklonjena, saj smo imeli vse štiri dni lepo vreme z občasnimi večernimi padavinami. Ko pa smo se odpravili na jug, so na severu ponovno razglasili rdeči alarm zaradi močnih nalivov. Na pot smo se odpravili v štirih skupinah, po štirih različnih poteh, z namenom terenjenja. Tega je bilo na žalost malo, saj je bil to edini dan tabora, ko je cel dan deževalo. Na jugu smo se nastanili v kraju Blagaj, blizu Mostarja, ki je znano po čudovitem kraškem izviru reke Bune, ob katerem je v skalo izklesan muslimanski samostan. Tega smo tudi nekajkrat obiskali, vendar nam ga ni bilo usojeno videti podnevi. Dva dni smo bili nastanjeni pri prijaznih energičnih domačinih, ki so nam celo zaupali avto za vožnjo po terenu. Potrebovali smo ga, ker so se nam na terenu pridružile tri zainteresirane mlade domačinke. Tu smo en dan terena posvetili iskanju bledega vetrnjaka *Caliaeschna microstigma*, žal brez sreče. Drugi dan smo se odpravili v Naravni park Hutovo Blato, kjer smo se, skoraj že tradicionalno, na teren odpravili s čolnom. Želeli smo si videti veliko peščenko *Lindenia tetraphylla*, vendar nas je imelo to srečo le nekaj.

Skupno smo videli 47 vrst in obiskali preko 60 lokalitet, točni podatki pa se še zbirajo. Zadnji dan našega druženja smo se žal morali preseliti na dva različna konca vasi, zaradi stiske s prostorom tam, kjer smo bili prvotno nastanjeni. Tako je se je poslovljni žur odvijal v dveh različnih hišah, v eni sicer bolj zavzeto kot v drugi, kjer ni šlo brez nočnega kopanja v bazenu. Eno hišo so namreč večinoma zasedali tisti, ki so podlegli virusu, ki nas je pestil zadnjih nekaj dni. Slovenci smo se potovanje odločili podaljšati še za dva dni, da smo se naužili še kulturnih dobrot. Na različnih delih poti so se nam pridružili tudi Srbi, Bosanci in Makedonci. Raziskali smo Mostar, Jajce in Banjo Luko. Pot domov je bila neizbežna, a se bomo še vrnil, saj iz Bosne in Hercegovine vedno prinesemo najlepše spomine.

(N. ERBIDA)

KAČJI PASTIRJI LJUBLJANE

Na pobudo dr. Boštjana Kiaute smo se v Slovenskem odonatološkem društvu letos odločili za izvedbo projekta "KAČJI PASTIRJI LJUBLJANE". Ideja temelji na pomanjkanju sistematičnih raziskav kačjih pastirjev v Ljubljani. Lotili smo se popisa znanih lokacij in iskanja novih, v urbanem delu Ljubljane in sicer znotraj obvoznice.