

Social Management in Modern Aviculture

Simon Bruslund, Marlow Birdpark

- 1. Bird exhibiting messaging reconsidered
- 2. Facets of social strategies in bird species
- 3. Seasonal flocking method
- 4. Introductions "Howdy-cage" method
- 5. Dating-aviaries "Lovers-lane" method
- 6. Common problems in large aviaries
- 7. Aviary resource







Conservation relevant alternative, the Baer's Pochard is near extinct and is at big Risk to become extinct in the wild in the next decade























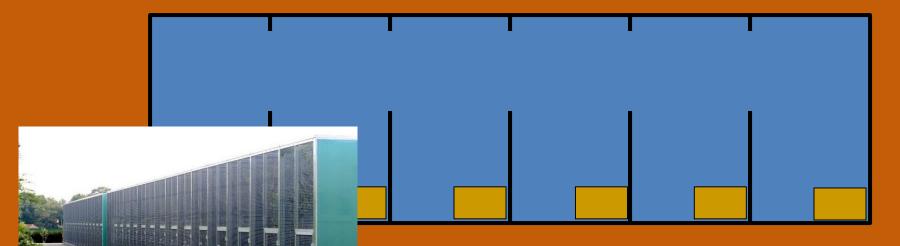




Housing needs for seasonal flocking or communal roosting



October
February
March



Housing needs for seasonal flocking or communal roosting



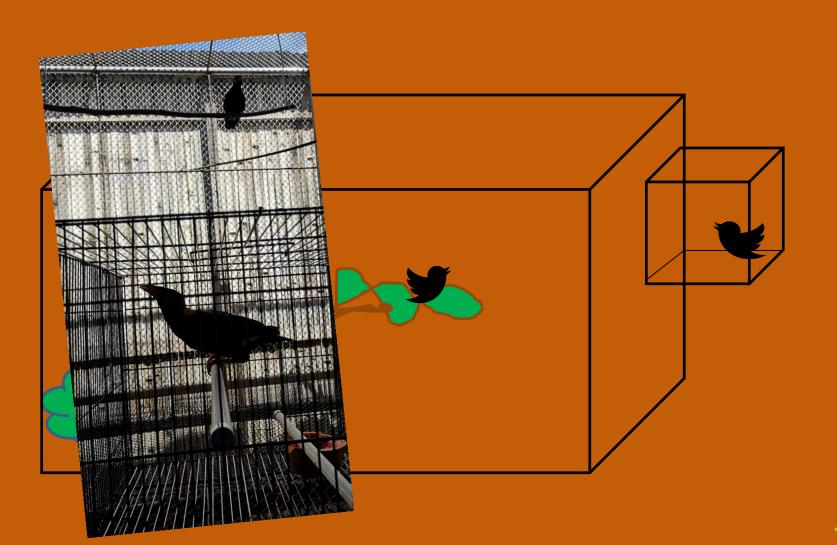




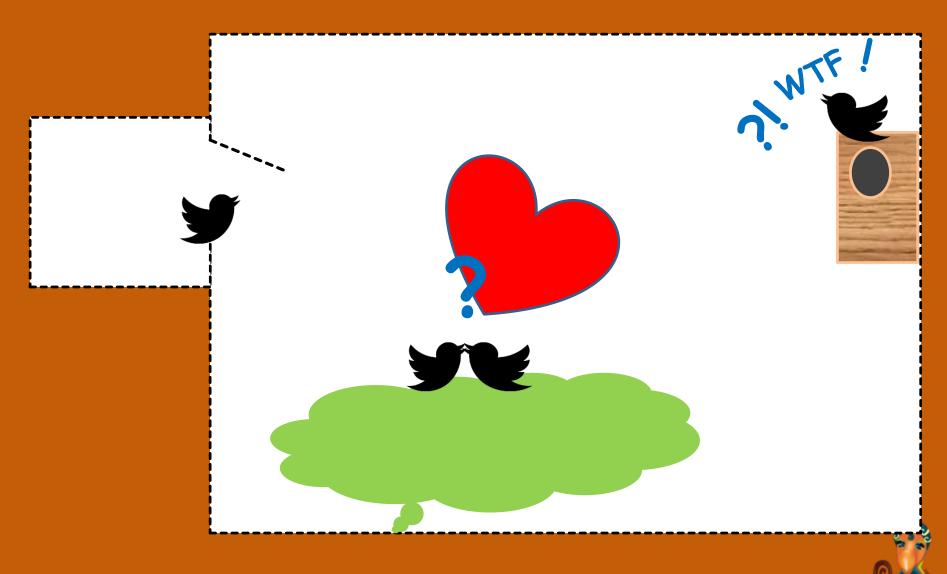




Avoid initial aggression insidents with the "howdy-cage" method









Advantages of free mate choice

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RESEARCH REVIEW



Improving the sustainability of ex situ populations with mate choice

Meghan S. Martin-Wintle^{1,2} | Nathan J.P. Wintle² | María Díez-León³ | Ronald R. Swaisgood¹ | Cheryl S. Asa⁴

Looked at literature across a wide range of taxa - birds (zebra finch, pigeons, mallards)

Zebra finch: greater number of chicks hatching, decreased mortality of chicks, increased paternal care.

House mice: enhanced survival after exposure to pathogens e.g. salmonella Giant pandas: dams from preferred pairings more likely to rear their own offspring...



Some bird species that are highly selective about their partner choices

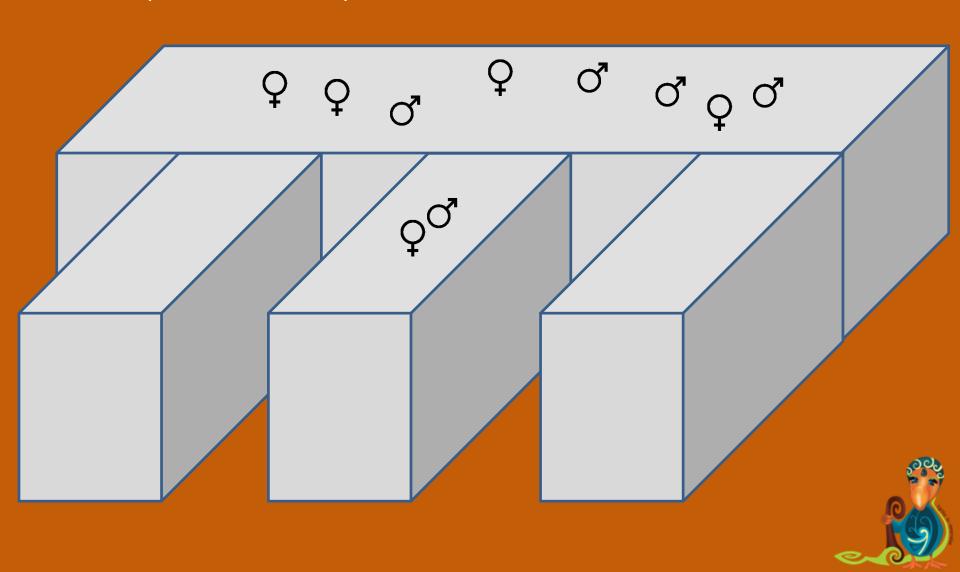
- Nias Hill Myna CR
- Ravens LC
- Red-billed Blue Magpie LC
- Yellow-Crested Cockatoo CR
- Blue-throated Macaw CR
- Indian Great Hornbills VU
- Red-billed Toucan VU
- Siberian Crane CR
- Northern Brown Kiwi VU
- Helmeted Currasow EN
- Coscoroba Swan LC
- Little Grebe LC
- Crowned Pigeons VU
- Oystercatcher NT
- Peruvian Thicknee LC
- Oriental White Stork EN
- Blue-bellied Roller LC
- Steller's Sea-eagle VU
- Red-headed Vulture CR
- Nippon Crested Ibis CR
- lavan Sparrow VII





Flocking in dating aviary...

Seperation areas for pair seclution





Flocking in dating aviary...

Observation with individual marking

Transponder tracking at feeding station











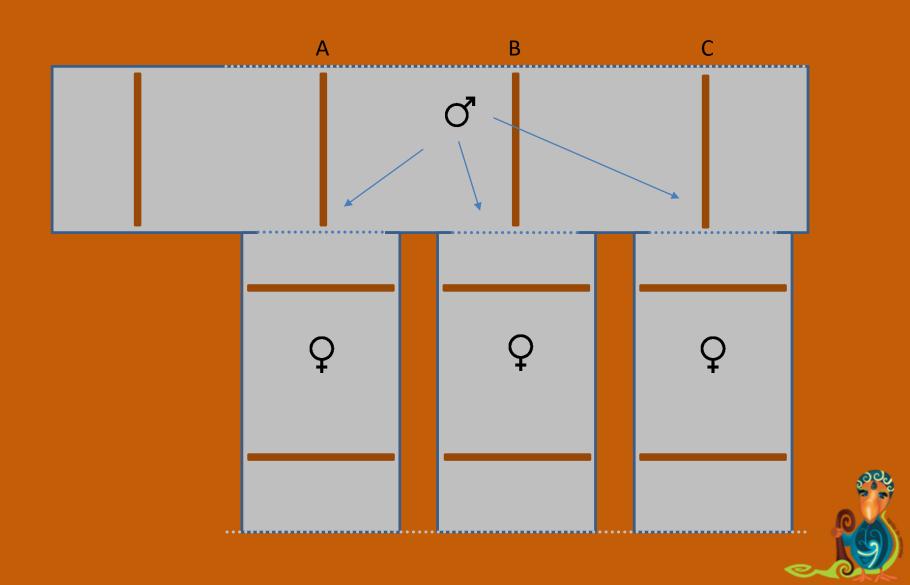






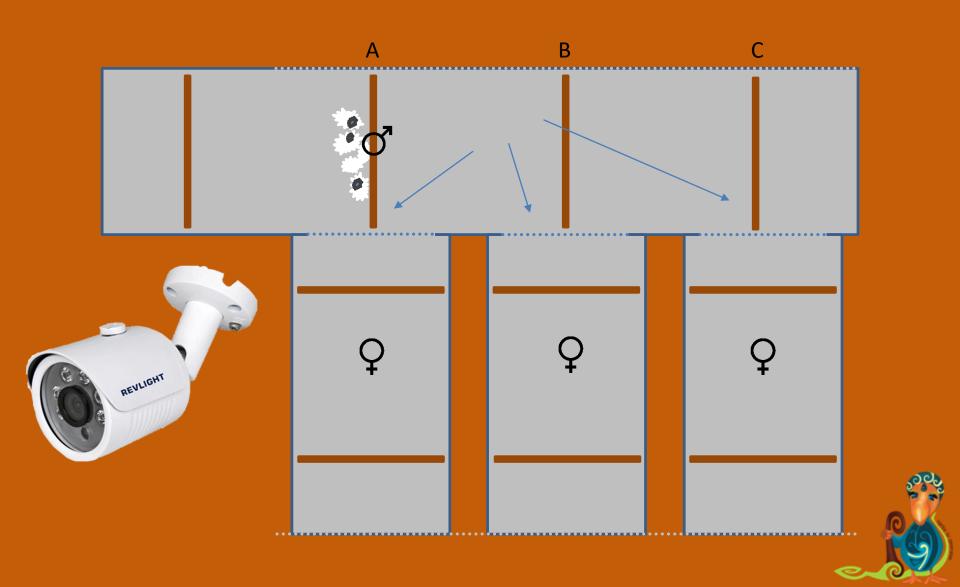


"Lovers lane" method





"Lovers lane" method





Common problems in large aviaries you should know about when planning.

- 1. Monitoring
- 2. Capture and introduction
- 3. Training and research (also opportunity)
- 4. Detecting and preventing social stress and aggression
- 5. Breeding sustainability (both too little but also too much breeding)
- 6. Natural density of avian biomass in 1ha Rainforest = 1,4 kg

In one 4500 m² tropical house the reality was >100 kg

AVIAN BIOLOGY RESEARCH 5 (2), 2012

75-80

Have we met before? Pigeons recognise familiar human faces

Claudia Stephana*, Anna Wilkinsona, and Ludwig Hubera, c

*Department of Cognitive Biology, University of Vienna, Althanstrasse 14, 1090 Vienna, Alb bSchool of Life Sciences, University of Lincoln, Riseholme Park, Lincoln LN2 2LG, UK "Messerli Research Institute, University of Veterinary Medicine Vienna, Medical University Vienna, University of Vienna, Veterinarplatz 1, 1210 Vienna, Austria

*E-mail: claudia.stephan@univie.ac.at

ABSTRACT

Despite growing evidence for the recognition of conspecifics, studies on heterospecific recognition scarce. There is some evidence that birds living in urban habitats are able to distinguish between humans, depending on their previous experience with them. Nonetheless, the features by which actually discriminated among humans remain unclear. This study investigated whether pigeons are of performing such a sophisticated categorisation and the features relevant to making this discriminar results revealed that pigeons are able to discriminate reliably between familiar and unfamiliar hun provide evidence that facial features are important for this recognition. Furthermore, our results suggestability to discriminate between individual heterospecifics is not restricted to bird species that are conhighly cognitive.







The take home message:

ADD MANAGEMENT AREAS AND OFF EXHIBIT BREEDING SPACE TO LARGE FREE FLIGHT PROJECTS!

JUST DO IT, NO DISCUSSION!



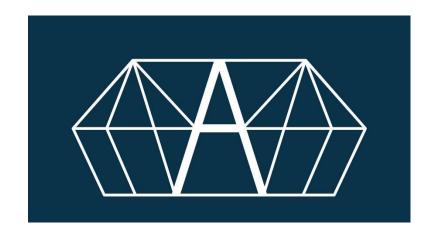






Aviary Database

Andrea Bračko, Zagreb zoo



www.aviarydatabase.com

Advantages of aviaries and the Aviary Database Project: a new approach to an old housing option for birds

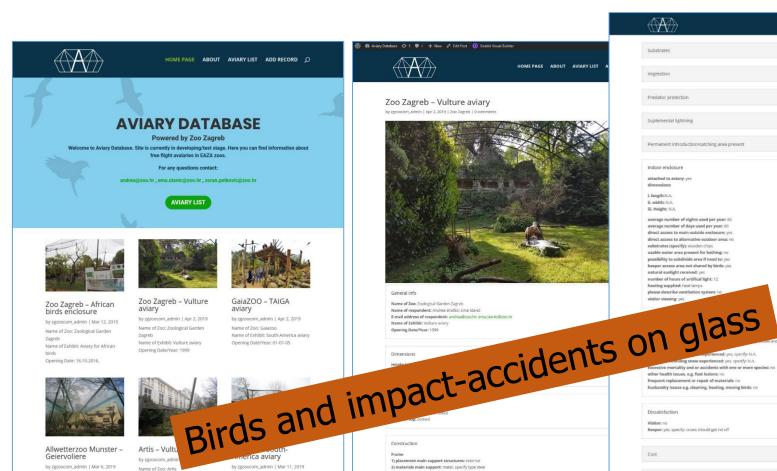
A. Bračko, C. E. King, International Zoo Yearbook, September 2013, Wiley

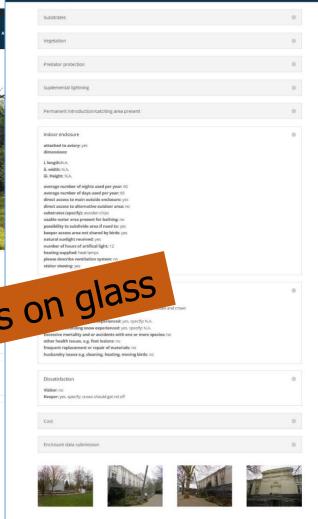


Aviary Database



HOME PAGE ABOUT AVIARY LIST ADD RECORD O







Name of Zoo: Allwetterzoo Munster

Name of Exhibit: Geiervoliere

Opening Date/Year: 01-01-74

Vogelpark Avifauna -Cuba aviary



Name of Exhibit: Vulture aviary

Opening Date/Year: 01-01-05

Zoo Antwerpen – Swampaviary



Name of Exhibit: South-America aviary

Name of Zoo: Galazoo

Opening Date/Year: 01-01-05

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