

Veröffentlichungen ARCO

2013

-ARCO Newsletter no.05-



CONTENT

- Construction of second smaller lake soon finalized 1
- Next steps at the Budo Holi TRCC – the breeding and rearing unit 3
- Ideas for the Education Centre 4
- Fieldguide of Amphibians and Reptiles of Nepal – 625 pp, coloured, b/w drawings 5
- ARCO-Spain celebrated its First Open Day Event with great success 6
- Job-Posting for our Turtle & Rescue Centre at SE-Nepal 8



A triangular shape following an existent depression in the project area is undug and being used with a new –now 2nd dam construction at the project area- to form another artificial lake of approx.. 260 sqm.

ARCO-Nepal & SUMMEF constructed a big dammed lake at SUMMEF Park in SE-Nepal for the Turtle Rescue & Conservation Program with approx. > 1000 sqm

In 2012 the big main lake of the SUMMEF Recreation Park & Nature Reserve has been filled completely replacing the formerly abused wetland area. Here were released the first rescued and translocated terrapins and Softshell turtles during last years' activities. Finally two dams will be constructed for the turtle conservation centre – only this year's early onset of monsoon rains stopped the construction works.

Now this second dam for a smaller lake of approx. 260 sqm is almost finalized.



The dark area in the rear shows a forested Sal wood area, the limit of the park's boundary. The midline forms the new dam for the triangular lake area in front of the picture. (all photos: Tanka Battarai)



In November 2013 the efforts of SUMMEF made it possible: The second dam is constructed to allow more turtles a future home and better separation of the various species as another independent lake for the conservation issues.

The TRCC shall receive an independent but attached dammed artificial lake of more than 1,000 sqm, a dammed pond of 260 sqm. In an area of approx. 3,500 sqm, to be fenced finally and partly forested, several 40 sqm sized pools and various breeding and rearing ponds will be constructed. A central building for visitors, guests, laboratory etc., an education centre and perhaps a worshipping place shall become installed, too.

Next steps at the Budo Holi TRCC – the breeding and rearing unit

The existing rearing and breeding area at Chitwan National Park turned out to be useful for that purpose and we try to take over that idea by constructing 6 small ponds of 100 x 150 cm and four of 200 x 200 cm. A general depth of 60 cm shall allow proper catching and handling of specimens and of course an individually controllable in- and outflow for proper and easy filling with fresh water and emptying for cleaning and disinfection are the basic conditions. The whole area must be fenced with strong chicken mesh wire against predators being dug into the ground till 30 cm and also the roof and lateral sides have to receive the same protection and natural grasses for giving shade partially. Each pool must be fenced individually and have a simple but proper door together with a small pathway or service corridor appropriate for reaching both sides of the tanks. We do have the idea, concept and the place – but clearly spoken – we need also some help from your side – with some donations to make this rearing and breeding area a reality!!!!!!!



One of the hatchlings' and rearing ponds at Kasarah/C N P

!!!Make your Donation Now!!!

Vote for Turtle Conservation and support our project in SE Nepal that we can continue with our project development for rescuing, homing and breeding endangered turtle species of Nepal:

Account/Kto.-Nr. 1000099984

BIC

SSKMDEMXXX

Bank/Credit Institute:

Stadtsparkasse München

BLZ 70150000

IBAN DE95701500001000099984

Ideas for the Education Centre



A former picnic shelter has been given from SUMMEF for the TRCC project development and will be converted in an

Education Centre



The physical units shall be realized by

- ☐ Conversion of the existing Picnic shelter into an Education Centre
- ☐ Didactical open air course with explicative panels at the tortoises' reserve



Education Programs at the TRCC & Education at Schools of S-Nepal e.g.:

- x Learn, Study and describe the different activities at a TRCC and about serious scientific work
- x Life of Turtles
- x Turtles in our History and Religion
- x Turtles and Superstition
- x How to eat what once is believed to be part of the cosmogenesis
- x Turtles of the World
- x Amphibians and Reptiles of Nepal

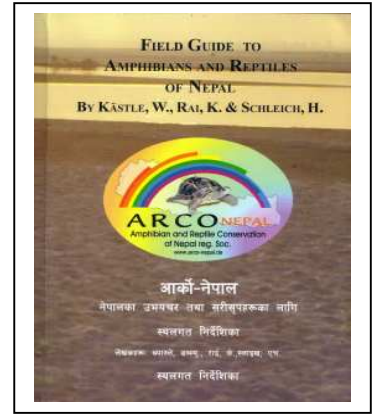
FIELD GUIDE

to Amphibians and Reptiles of Nepal

Kästle , W., Rai, K. & Schleich, H.H.

**with identification keys and distribution maps, Size A 5, 625 pages,
52 pl./156 color photographs, 177 maps, over 1000 black/white illustrations
Nepali & English**

Published 2013 by ARCO-Nepal e.V.



| Contents | page | 4.3 Radiation centres and ecological niches | |
|--|------|--|-----|
| Foreword | VI | 4.4 Protected areas and their herpetofauna | 59 |
| Arco-Nepal | XV | 5. Collecting and Preparation | 89 |
| 1. Introduction | 2 | 5.1 Catching | 89 |
| 2. The strange ways of amphibians and reptiles (general biology) | 7 | 5.2 Handling herps | 93 |
| 2.1 Position among vertebrates – Cold-blooded? | 7 | 5.3 Live transport | 97 |
| 2.2 Saving vital energy | 7 | 5.4 Killing and preservation | 99 |
| 2.3 The conquest of firm land | 11 | 6. Scientific names and systematics | 103 |
| 2.4 Suckers and gliders – Specialists in locomotion | 19 | 7. Checklist of Nepalese amphibians and reptiles | 108 |
| 2.5 Strange senses | 21 | 8. Keys to Nepalese amphibians and reptiles | 115 |
| 2.6 Loud and silent signals | 25 | 9. Colour plates | 227 |
| 2.7 Rejuvenation and organ replacement | 29 | 10. Distribution maps | 284 |
| 3. Snakebites – Not an attack, but an accident - Avoidance and treatment | 31 | 11. Special part: identification, biology, geography | 317 |
| 3.1 The venom apparatus | 31 | 12. Herpetological Terminology | 566 |
| 3.2 Snakebite incidence | 37 | 12.1 English-Nepali | 566 |
| 3.3 Graded toxicity | 37 | 12.2 English explanations | 576 |
| 3.4 The venomous snakes of Nepal | 39 | 13. General Readings | 584 |
| 3.5 First symptoms of snakebite | 43 | 14. References | 585 |
| 3.6 Local and systemic effects | 45 | 14.1 Literature references | 585 |
| 3.7 First aid for snakebites | 47 | 14.2 External links | 587 |
| 3.8 Dont’s in case of snakebites | 51 | 14.3 Personal communication | 588 |
| 3.9 How to avoid snakebite | 53 | 14.4 References for redrawn text figures | 588 |
| 4. Geography of amphibians and reptiles in Nepal | 55 | 15. Index | 589 |
| 4.1 Nepal’s natural landscapes | 55 | 15.1 Scientific denominations | 589 |
| 4.2 Key events for South Asia’s biogeography | 57 | 15.2 Nepali denominations | 597 |
| | | 15.3 English denominations | 60 |

Send your order to

Arco-Nepal@t-online.de or Arco.Spain05@gmail.com

Price: 68.- EUR + postage 12 EUR within Europe, + 24 EUR outside Europe

We deliver only upon prepayment on our account:

Nr. 1000099984 BIC SSKMDEMMXXX IBAN DE95701500001000099984

Bank/Credit Institute: Stadtparkasse München, BLZ 70150000

News from ARCO-Spain

ARCO-Spain celebrated its First Open Day Event on October 5th 2013 & the inauguration of the Centro de Interpretación de Anfibios y Reptiles de Almería

The first Interpretation Centre for Amphibians and Reptiles had been inaugurated by the Mayoress of Tabernas Ma. Nieves Jaen Franco in the morning and was followed by several guided tours by Emilio Gonzalez, Hermann Schleich and Sylvia Geldeard. This open day at ARCO-España where one could walk through the new installations and get an information on the conservation work of ARCO as well as an insight of the Herpetofauna (amphibians and reptiles) of Almería received a very positive feedback from all.

Acknowledgements is given for the great help during the whole day by Ana, Ali, Bill, Chas, Gert, Judy, Sylvia and Terry!!

There were about 250 visitors joining that day cumulating in a great evening program for over 80 booked guests, organized by our member Terry Gildert for the music entertainment and Antonio Gazquez Exposito for dinner.

The beneficial concert in the evening a was held at la “Carpa de LAS ERAS” with performance of traditional American music by “Almeria Strings” where 7 excellent musicians and a superb diner sponsored by our member Antonio Gazquez left an unforgettable day for all.

Inauguration Ceremony at ARCO-España/Spain for the new Interpretation Centre of Amphibians and Reptiles of Almería



Gracias a nuestro gran amigo y socio Antonio and to all the other unnamed helpers, our marvelous musicians and all visitors who joined in and assisted in making it a really great day!!!

Turtle sanctuary opens doors to public

Bédar council put to shame as 'tortoise house' lies empty

By Emma Randle

THE SUCCESS of an open day at an amphibian conservation centre in Tabernas last weekend has served to highlight the failure of similar council-run projects to get up and running.

More than 150 people were treated to an insight into the lives of rare tortoises at Arco amphibian and reptile conservation centre, a non-profit making association dedicated to preserving creatures in their natural habitat and the rescue of unwanted animals.

The project houses tortoises and reptiles found in Mediterranean climates, with a special focus on the tortuga mora (spur-thighed or Greek tortoise) - a protected species native to Almería province and found in only two other places in Spain.

The centre, founded in 2005 with private funding and staffed by volunteers, is providing an educational and environmental service to the public at a time when other projects of a similar nature but funded by the state are being shelved due to lack of funds.

Arco volunteer Sylvia Geldeard recently visited the 'Casa de Tortuga Mora' - supposedly a centre for tortoise conservation, constructed and inaugurated in Bédar in 2011 with more than 600,000 euros worth of regional government funding.

She said: "It was all beautifully laid out, but absolutely nobody there and not an animal in sight."

CA News spoke to Juan Antonio Soler, independent



Arco volunteer Sylvia Geldeard shows a tortoise to visitors at the recent open day

councillor on Bédar council at the time of the inauguration.

He said: "All the installations are there ready and waiting. The council says there is no money to run it, but the money already spent will be wasted if nothing happens."

He added that in his opinion the centre should be seen as an opportunity to provide local employment and attract tourists.

Mrs Geldeard said she could not understand why Bédar should be lucky enough to receive thousands of euros and then not use it for the benefit of the public.

She said: "It is a scandal really, when other places like Arco and Paws operate rescue services with no help from the government."

A similar story can be seen in Chirivel, where a wildlife park constructed with regional government funding has remained closed to the public since its completion in March last year, as reported in this paper at the time.

The Parque de Fauna Ibérica, costing more than 580,000 euros, was supposed to showcase some of Spain's most characteristic wild life, with management handed

over to a private company, but to date that has not happened.

CA News spoke to the park manager employed by the council this week, who confirmed that while anyone could turn up to visit the centre, there were only a few animals on display and the facility was not fully operational (the restaurant, for instance, remains closed).

Arco said it was looking for new members to support its work. Anyone interested or requiring more information should email arco.spain05@gmail.com.

A R C O – Anfíbios y Reptiles en Conservación

Asociación para la Conservación de Anfíbios y Reptiles, reg. No. 3482, NIF G04528774

NUCLEO ZOOLOGICO No. 6354, Ctjo. Sol y Vida – Ctra. A 349 / km 1,

E- 04200 Tabernas / Almería / España. Email: arco.spain05@gmail.com

Website: "Bienvenido a ARCO-ESPAÑA" en www.arco-nepal.de

Editorial: ARCO-Nepal / Prof. Dr. H. Hermann Schleich

A publication of ARCO

Copyright free after permission and credit to ARCO-Nepal reg.soc.



Job Posting:

Lead Keeper –Turtle Conservation & Rescue Centre at SUMMEF Park.

The **Amphibian and Reptile Conservation Nepal (ARCO-Nepal reg. soc.)** is seeking a lead keeper. This position reports to the Director of ARCO-Nepal. The position is responsible for animal husbandry and maintenance support at the Turtle Rescue & Conservation Centre, BudoHoli/Jhapa, South East Nepal.

Salary is fixed to 200 EUR per month. Candidates doing in the frame of this project a ph-thesis can have future improvements after finalisation such study.

Responsibilities include, but are not limited to: daily implementation of policies, procedures and protocols to ensure the highest standards of animal care, facility maintenance, and staff and visitor safety; participation in daily husbandry, medical care, and record-keeping for the collection; supervision of volunteers as necessary; active participation in workshops, seminars, activities and conferences aimed at continually improving technical and management skills; participation, in studbooks, education programs etc.; and coordination of veterinary concerns, marketing, education, maintenance, horticulture and other efforts of the TRCC, in conjunction with the director. Contact To DNPWS and Ministry of Forestry are to be maintained, also to locals living around the park area and fishermen, mainly from the Koshi area.

Qualifications: The ideal candidate will have at least a four-year degree (master) degree in biology-zoology, environmental sciences or veterinary medicine and experience in successful husbandry and propagation of diverse chelonians and the ability to perform facility maintenance including plumbing, carpentry and horticulture; the ability to operate mowers, chainsaws and other equipment; computer skills and the ability to work irregular hours as needed. It is essential that the candidate possess strong organizational and time management skills, along with excellent communication skills and willingness to interact positively with guests, researchers and other staff.

Working conditions: Candidate must be able to work outdoors and in inclement weather conditions. And realizing his normal daily work at the SUMMEF Recreational Park & Nature Reserve (Sanichare)

Objective: Development of the Budoholi Turtle Rescue & Conservation Centre and ph-thesis on same topic

Further, ARCO-Nepal expects from the person to be employed:

Basics

- To write and submit monthly detailed report documented also by jpg-photos in quality to be published
- To communicate in the requested way by mail and/or verbal
- To leave items being purchased for the project as part of project or ARCO properties and to maintain in proper conditions

Tasks

to protocol exactly and detailed the status quo before commencement of the project, then with the development of the project and its finalisation for having real parameters fixed to discuss what is positive, negative, where are improvements or deteriorations and how will be proved and realized sustainability for future etc.

The candidate also should start immediately with contacts to locals and fishermen and try to get asap first turtle breeding colonies together also if there are to make some enclosures provisionally etc-

Listing of all activities of third parties and of SUMMEF regarding the project development

- to start immediately with questionnaires at the surrounding villages
- to record any available information related to the project
- detailed biological mapping and sustainable data documentation of existant fauna and flora (whole fauna from invertebrates to vertebrates with according seasonality changes)
- to record any manipulation of physical and biological parameters of the project area (eg. excavations, water deviations, sedimentation, any impact by men of course also on plants and animals, (existing agriculture, land use, use of medical plants from that area, introduction or catching of fishes)
- record any presence of live turtles at any time of the year at the project site or close by vicinities
- to secure the belongings at the TRCC and those of ARCO-Nepal
- to inform any hazardous impact immediately to SUMMEF and ARCO

To apply for this position, please submit a Curriculum Vitae and cover letter to

Arco-Nepal@T-online.de

www.arco-nepal@t-online.de
