

Turtle and Tortoise Papers Presented at the Second World Congress of Herpetology

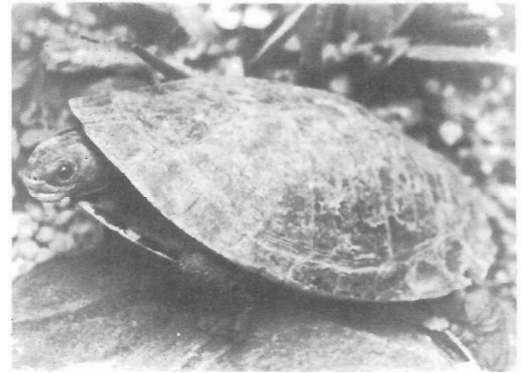
The Second World Congress of Herpetology was held in Adelaide, Australia, from 29 December 1993 to 6 January 1994. Nearly 800 delegates from about 60 nations participated in some capacity. A total of about 673 papers, abstracts, and poster sessions were presented, with 70 dealing with turtles or tortoises in some aspect (10.4% of the total). As a comparison, the First World Congress of Herpetology in 1989 in Canterbury, United Kingdom, had 80 turtle papers among about 646 total presentations (12.4% of the total). The following listing is of all 70 turtle papers that were either presented as lectures, abstracts (either in the printed volume or as looseleaf addenda), or poster sessions (both with and without printed abstracts). Species named in the abstract but not in the title are included for reference as well.

- ACUÑA-MESEN, RAFAEL; AND MUÑOZ, FEDERICO. 1993. A captive breeding research for red turtle *Rhinoclemmys pulcherrima*. Second World Congress of Herpetology, Abstracts, p.1.
- AIKANATHAN, SARALA; AND JUSOH, MAZLAN BIN. 1993. Sea turtle conservation in Terengganu, Malaysia – a mangement case-study. Second World Congress of Herpetology, Abstracts, p.1.
- ATAYEV, CH.; AND SHAMMAKOV, S. 1993. The herpetofauna of Kopetdag mountains and its zoogeographic characteristics. Second World Congress of Herpetology, Abstracts, p.10-11. [*Emys orbicularis*; *Mauremys caspica*]
- BALLASINA, D.; AND CAPECCHI, R. 1993. Reproduction and natural incubation success of *Testudo hermanni hermanni* (Reptilia, Testudinata, Testudinidae) in central Italy and consequences for management and restocking of wild populations. Second World Congress of Herpetology, Abstracts, p.13.
- BAVERSTOCK, PETER; JOHNSON, ALLAN; GEORGES, ARTHUR; AND DONNELLAN, STEPHEN. 1993. Evolutionary divergence in the 12S ribosomal RNA gene in four Gondwanic groups – a test of the molecular clock hypothesis. Second World Congress of Herpetology, Abstracts, p.18.
- BIERMANN, REINHARD; AND BLAHAK, SILVIA. 1993. First isolation of a herpesvirus from tortoises with diphtheroid-necrotizing stomatitis. Second World Congress of Herpetology, Abstracts, p.27. [*Testudo hermanni*]
- BISHOP, CHRISTINE A.; BROOKS, RONALD J.; NG, PEGGY; KENNEDY, SEAN; STEGEMAN, JOHN J.; AND NORSTROM, ROSS J. 1993. The common snapping turtle as a biomonitor of the levels and effects of chlorinated hydrocarbons in the Great Lakes – St. Lawrence river basin. Second World Congress of Herpetology, Abstracts, p.28-29. [*Chelydra serpentina*]
- BOWEN, BRIAN W. 1993. Evolutionary ecology and phylo-geography of marine turtles. Second World Congress of Herpetology, Abstracts, p.36. [*Caretta caretta*; *Chelonia mydas*]
- BRÄUTIGAM, AMIE; AND BROAD, STEVEN. 1993. International trade in reptiles and amphibians – conservation issues and opportunities. Second World Congress of Herpetology, Abstracts, p.39.
- BRODERICK, D.; MORITZ, C.; MILLER, J. D.; GUINEA, J.; PRINCE, R.J.; AND LIMPUS, C.J. 1993. Genetic studies of the hawksbill turtle (*Eretmochelys imbricata*): evidence for multiple stocks and mixed feeding grounds in Australian waters. Second World Congress of Herpetology, Abstracts, p.40-41.
- BROIN, FRANCE DE LAPPARENT DE. 1993. Examples of parallel evolution in Pleurodira from the Cretaceous to the present. Second World Congress of Herpetology, Abstracts, p.69-70.
- BUHLMANN, KURT A. 1993. Conservation strategies for rare freshwater turtles in Virginia, USA. Second World Congress of Herpetology, Abstracts, p.43. [*Clemmys muhlenbergii*; *Deirochelys reticularia*]
- CALLARD, IAN P.; CHARNACK-JONES, D. STEPHEN; PAOLUCCI, MARINA; AND GIANNOUKOS, GEORGIA. 1993. External and internal environmental cues and the regulation of reptilian vitellogenesis. Second World Congress of Herpetology, Abstracts, p.46.
- CALLISTER, ROBERT J.; CALLISTER, ROBIN; AND PETERSON, ELLENGENE H. 1993. Neuromuscular strategies underlying the control of head retraction in the turtle. Second World Congress of Herpetology, Abstracts, p.46-47. [*Pseudemys scripta elegans*]
- CASERES, M.; DÖBELI, M.; RÜBEL, A.; HÖNEGGER, R.E.; AND ISENBÜGEL, E. 1993. Faecal steroid measurements in chelonian species. Second World Congress of Herpetology, Abstracts, p.51. [*Geochelone elephantopus*; *Geochelone gigantea*; *Testudo graeca*; *Testudo hermanni*]
- CASERES, M.; RÜBEL, A.; LANG, M.; HÖNEGGER, R.E.; AND ISENBÜGEL, E. 1993. Long term ultrasound scanning of reproductive patterns in female tortoises (*Testudo* spp. and *Geochelone* spp.). Second World Congress of Herpetology, Abstracts, p.51-52. [*Geochelone elephantopus*; *Geochelone gigantea*; *Testudo graeca*; *Testudo hermanni*]
- CAYOT, LINDA J. 1993. Genetic studies of reptiles in the Galapagos Islands. Second World Congress of Herpetology, Abstracts, p.52-53. [*Geochelone elephantopus*]
- CONGDON, JUSTIN D.; VITT, L.J.; AND GIBBONS, J.W. 1993. Parental investment in reptiles. Second World Congress of Herpetology, Abstracts, p.55-60.
- DEMPESEY, PAULA J.; AND LIMPUS, COLIN J. 1993. The effect of temperature on emergence and locomotion in hatchling loggerhead (*Caretta caretta*) and flatback (*Natator depressus*) turtles. Second World Congress of Herpetology, Abstracts, p.71.
- DEVAUX, BERNARD. 1993. The conservation programme for Hermann's tortoise. Second World Congress of Herpetology, Abstracts, p.71-72. [*Testudo hermanni*]
- DURBIN, JOANNA C.; RAJAFETRA, VELOSON; REID, DON; AND RAZANDRIZANAKANIRINA, DAURETTE Y. 1993. Local people and Project Angonoka; conservation of the ploughshare tortoise, *Geochelone yniphora*, north-western Madagascar. Second World Congress of Herpetology, Abstracts, p.77.
- DZIUBINSCHI, J. 1993. Conservation of reptile fauna in Romania. Second World Congress of Herpetology, Abstracts, p.79. [*Emys orbicularis*; *Testudo graeca iberica*; *Testudo hermanni*; *Caretta caretta*; *Chelonia mydas*]
- FITZSIMMONS, NANCY N.; MORITZ, CRAIG; AND MOORE, STEVE S. 1993. Microsatellites in marine turtles: what they can tell us about species, populations and mating systems. Second World Congress of Herpetology, Abstracts, p.88. [*Chelonia mydas*; *Caretta caretta*; *Eretmochelys imbricata*]
- GONZÁLEZ-DE-LA-VEGA, ANA M.; JUÁREZ, JORGE A.; AND PELÁEZ, ALEJANDRO. 1993. A panoramic view of sea turtle research and conservation in Mexico. Second World Congress of Herpetology, Abstracts, p.99-100.
- GRAHAM, TERRY E. 1993. Seasonal habitats of the spotted turtle, *Clemmys guttata*, in the northeastern USA. Second World Congress of Herpetology, Abstracts, p.99-100.

- gress of Herpetology. Abstracts, p.100-101.
- HAILEY, ADRIAN; AND COULSON, I.M. 1993. Scaling of daily movement distance and home range in two African tortoises. Second World Congress of Herpetology, Poster Session.
- HIRTH, HAROLD F. 1993. A leatherback sea turtle nesting population at Piguwa. Papua New Guinea. Second World Congress of Herpetology. Abstracts, p.120. [*Dermochelys coriacea*]
- JANZEN, FREDRIC J. 1993. Climatic change, population dynamics, and temperature-dependent sex determination in turtles. Second World Congress of Herpetology, Abstracts, p.120. [*Chrysemys picta*]
- JENNINGS, W. BRYAN. 1993. The influence of vegetational phenology on the foraging behaviour of the desert tortoise (*Gopherus agassizii*). Second World Congress of Herpetology, Abstracts, p.132.
- KALB, HEATHER; AND OWENS, DAVID W. 1993. Arribada vs. solitary nesters: comparison of interesting behaviour patterns in olive ridley sea turtles, *Lepidochelys olivacea*. Second World Congress of Herpetology, Abstracts, p.136-137.
- KAMEZAKI, NAOKI; AND MATSUI, MASAFUMI. 1993. Geographic variation in skull morphology of the green turtle, *Chelonia mydas*. Second World Congress of Herpetology, Abstracts, p.137. [*Chelonia mydas agassizii*]
- KENNETT, ROD. 1993. Of droughts and flooding rains and a turtle that nests underwater. Second World Congress of Herpetology, Abstracts, p.138-139. [*Chelodina rugosa*]
- KILLEBREW, FLAVIUS C.; AND BABITZKE, JOEL B. 1993. Assessment of the status of Cagle's map turtle. Second World Congress of Herpetology, Abstracts, p.139-140. [*Graptemys caglei*; *Pseudemys texana*]
- KNESEL, JOHN A.; AND POWELL, SANDRA C. 1993. Comparative spermatology of alligator (*Macrolemys temmincki*) and common (*Chelydra serpentina*) snapping turtles. Second World Congress of Herpetology, Abstracts, p.140.
- KORDIKOVA, ELENA G. 1993. About the question of the homology of carapace elements in trionychids and other turtles. Second World Congress of Herpetology, Abstracts, p.141.
- KORDIKOVA, ELENA G. 1993. Fossil trionychids of Kazakhstan. Second World Congress of Herpetology, Abstracts, p.141-142.
- KORDIKOVA, ELENA G. 1993. Peculiarities of postnatal and individual ontogenesis of trionychid skeletons. Second World Congress of Herpetology, Abstracts, p.142-143. [*Pelodiscus sinensis*; *Apalone spinifer*; *Platypeltis ferox*; *Trionyx triunguis*; *Amyda cartilaginea*; *Dogania subplana*]
- KUCHLING, GERALD; AND BRADSHAW, S. DONALD. 1993. Spermatogenesis and plasma concentrations of sex steroids in *Chelodina steindachneri* (Testudines: Chelidae). Second World Congress of Herpetology, Abstracts, p.145-146.
- LEE, MICHAEL S. Y. 1993. The origin of turtles reconsidered (again). Second World Congress of Herpetology, Abstracts, p.150.
- LIMPUS, COLIN J.; MILLER, JEFFREY D.; AND REED, PHILLIP C. 1993. Intra and inter specific variability in pivotal temperature during incubation of marine turtle eggs. Second World Congress of Herpetology, Abstracts, p.154-155. [*Caretta caretta*; *Chelonia mydas*; *Natator depressus*]
- NORMAN, J.; LIMPUS, C.J.; MILLER, J.; AND MORITZ, C. 1993. Inferences about feeding ground distributions from genetic markers. Second World Congress of Herpetology, Abstracts, p.182. [*Chelonia mydas*]
- NUITJA, I. NYOMAN S. 1993. The ecology of the green turtle *Chelonia mydas* L. on Sukumade Beach, East Java. Second World Congress of Herpetology, Abstracts, Addendum.
- NUITJA, I. NYOMAN S. 1993. Status and distribution of tortoises and freshwater turtles in Indonesian Archipelago. Second World Congress of Herpetology, Abstracts, Addendum.
- NUITJA, I. NYOMAN S. 1993. Status and distribution of the leatherback turtle *Dermochelys coriacea* L. in Indonesia. Second World Congress of Herpetology, Abstracts, Addendum.
- NUITJA, I. NYOMAN S. 1993. Status of marine turtles in Indonesia. Second World Congress of Herpetology, Abstracts, Addendum.
- OWENS, DAVID W.M. 1993. Endocrine effects on sea turtle behaviour. Second World Congress of Herpetology, Abstracts, p.189-190.
- PACKARD, GARY C.; AND PACKARD, MARY J. 1993. How do hatchling painted turtles survive the cold of winter? Second World Congress of Herpetology, Abstracts, p.190. [*Chrysemys picta*]
- PALMER, BRENT D. 1993. Novel roles of natural and xenobiotic estrogens in turtles. Second World Congress of Herpetology, Abstracts, p.191. [*Trachemys scripta*]
- PLOTKIN, PAMELA T.; BYLES, RICHARD A.; AND OWENS, DAVID W. 1993. Ecology of the olive ridley sea turtle *Lepidochelys olivacea* in the eastern Pacific Ocean. Second World Congress of Herpetology, Abstracts, p.200-201.
- POKRIEFKA, RICHARD; WEATHERBY, CRAIG; NELSON, TOM; PAUL, FRANK; AMENTA, RICHARD; AND OGNJAN, ANTHONY. 1993. Achievable serum concentrations and half-life of the fluoroquinolone ciprofloxacin through various administration routes in *Pseudemys scripta elegans*. Second World Congress of Herpetology, Abstracts, p.201.
- PORTER, WARREN P.; ADOLPH, STEVE; CURTIN, CHARLES; AND HATCH, KENT. 1993. Climate variation, habitat fragmentation and body size effects on lizard and turtle life histories. Second World Congress of Herpetology, Abstracts, p.204. [*Terrapene ornata*]
- POWELL, SANDRA C.; AND KNESEL, JOHN A. 1993. Haematology and blood chemistry of *Macrolemys temmincki*. Second World Congress of Herpetology, Abstracts, p.205.
- PRASCHAG, REINER. 1993. Captive care of turtles in a private greenhouse. Second World Congress of Herpetology, Abstracts, p.206.
- RAJA SEKHAR, P.S.; AND SUBBA RAO, M.V. 1993. Nesting olive ridleys *Lepidochelys olivacea* (Eschscholtz) and their present status along the northern Andhra Pradesh coastline, India. Second World Congress of Herpetology, Abstracts, p.209-210.
- REID, DON; AND RAKOTOBARISON, GERMAIN. 1993. Captive breeding of the critically endangered tortoise *Geochelone yniphora* in Madagascar. Second World Congress of Herpetology, Abstracts, p.214.
- REINA, RICHARD D. 1993. Blood cell characteristics of the green sea turtle *Chelonia mydas*. Second World Congress of Herpetology, Poster Session.
- RHODIN, JOHANNES A.G.; RHODIN, ANDERS G.J.; AND SPOTILA, JAMES R. 1993. Electron microscopical analysis of cartilage canals and vascular growth in the humerus of leatherback turtle hatchlings, *Dermochelys coriacea*. Second World Congress of Herpetology, Abstracts, p.214-215.
- SHEA, GLENN M. 1993. Amateur contributions to herpetofaunal field studies: an Australian perspective. Second World Congress of Herpetology, Abstracts, p.238. [*Pseudemys umbrina*; *Rheodytes*]
- SHRESTHA, TEJ KUMAR. 1993. Conservation and management of herpetological diversity in the Himalayan foothills of Nepal. Second World Congress of Herpetology, Abstracts, p.238. [*Indotestudo elongata*; *Chitra indica*]
- SOBERON-MOBARAK, FRANCISCO; AND CABRAL-PERDOMO, MIGUEL ANGEL. 1993. A hatchling turtle from the Tlayua formation, Tepeji de Rodriguez. Puebla, with comments on the fossil chelonians from Mexico. Second World Congress of Herpetology, Abstracts, p.247.

- SUBBA RAO, M.V.; AND RAJA SEKSHAR, P.S. 1993. Captive rearing of an endangered olive ridley sea turtle hatchlings, *Lepidochelys olivacea* (Eschscholtz) for conservation purpose. Second World Congress of Herpetology, Abstracts, p.253-254.
- THOMSON, SCOTT. 1993. Sub-species identification of Galapagos tortoises (*Geochelone elephantopus*) in Australia and New Zealand. Second World Congress of Herpetology, Abstracts, p.260.
- TRACY, C. RICHARD; AND ESQUE, TODD. 1993. Optimal resource acquisition: herbivores are different. Second World Congress of Herpetology, Abstracts, p.264. [*Gopherus agassizii*]
- VOGT, RICHARD C.; AND VILLARREAL, JOSÉ-LUIS B. 1993. Species-abundance, biomass, and resource-use distributions in freshwater turtles: geographic perspectives. Second World Congress of Herpetology, Abstracts, p.274.
- VOGT, RICHARD C.; AND VILLARREAL, JOSÉ-LUIS B. 1993. Variation in growth rates and life history strategies in *Kinosternon* from tropical Mexico. Second World Congress of Herpetology, Abstracts, p.274. [*Kinosternon leucostomum*; *Kinosternon acutum*]
- WANG, PEI-CHAO; AND LU, BO. 1993. Calcium and magnesium contents of *Trionyx sinensis* eggs and their utilization for embryonic development. Second World Congress of Herpetology, Poster Session.
- WEATHERBY, CRAIG. 1993. Movement patterns, home range and seasonal site fidelity of the North American box turtle, *Terrapene carolina carolina*. Second World Congress of Herpetology, Abstracts, p.278.
- YASUKAWA, YUICHIROU. 1993. Sexual differences of four Japanese batagurine turtles. Second World Congress of Herpetology, Abstracts, p.290. [*Geoemyda japonica*; *Mauremys japonica*; *Mauremys mutica*; *Chinemys reevesii*]
- YEOMANS, S. REBECCA. 1993. Turtle orientation: field tests of a water-finding ability in adult aquatic turtles. Second World Congress of Herpetology, Abstracts, p.291-292. [*Trachemys scripta*]
- YUWONO, FRANK BAMBANG. 1993. The trade of live reptiles and amphibians in Indonesia. Second World Congress of Herpetology, Abstracts, p.292-293.

different items of interest: 1) background, structure, and goals of the Group, 2) a listing of the 35 original members, 3) turtle research interests of many of the members, 4) capsule summaries of various Brazilian turtle projects, including specific conservation initiatives such as Projeto Preservação das Tartarugas Marinhas da Ilha do Cardoso (TARTARIC), Associação Brasileira Para a Conservação das Tartarugas (Pró-Tartaruga), Centro Nacional dos Quelônios da Amazônia (CENAQUA), and Projeto Tartarugas Marinhas (TAMAR), 5) newsnotes regarding various Brazilian, Neotropical, or worldwide turtle research activities, meetings, and societies, 6) a brief article by G.M. Moreira on preliminary data on the distribution of freshwater turtles in the Atlantic forest region of eastern Brazil, and 7) a short listing of recent cheloniological literature, including worldwide sources and topics.



Chelonia Neotropica – A New Turtle and Tortoise Newsletter from Brazil

A new turtle and tortoise newsletter has recently been published in Brazil. Named *Chelonia Neotropica*, the newsletter is the informational bulletin of the Grupo de Estudos de Quelônios do Brasil (GEQB) [Group for Studies of Turtles of Brazil]. Published and produced at Fundação Biodiversitas, Belo Horizonte, Brazil, the newsletter is also supported by Conservation International and the IUCN Species Survival Commission. The inaugural issue (Volume 1, Number 1) appeared in January, 1994, under the combined editorship of Aline Tristão Bernardes and Gláucia Maciel Moreira. The newsletter focuses on all aspects of study regarding the turtles and tortoises of Brazil, including freshwater, marine, and terrestrial chelonians. The cover bears a photograph of the sideneck turtle *Phrynops hoguei*. Issue number 1 is 12 pages long and has a selection of



Submission of material pertinent to the study of Brazilian turtles and tortoises is encouraged by the editors. Newsnotes regarding research projects, meetings, publications, or any matters relating to Brazilian turtles are welcome. Articles for consideration may be written in Portuguese, Spanish, or English. Subscriptions to the Newsletter are complimentary for any individuals interested in the conservation and biology of Brazilian turtles. Direct all correspondence regarding Group membership, subscriptions, or manuscript submissions to:

ALINE TRISTÃO BERNARDES, Grupo de Estudos de Quelônios do Brasil, Fundação Biodiversitas, Rua Maria Vaz de Melo 71, Bairro Dona Clara, Belo Horizonte, MG 31260-110, Brazil