

## **Goussia-Like Coccidium in Crocodiles**

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- cultivation near duck blinds to reduce lead poisoning hazard. Journal of Wildlife Management 41: 624-631.
- KARSTAD, L. H. 1971. Angiopathy and cardiopathy in wild waterfowl from ingestion of lead shot. Connecticut Medicine 35: 355–360.
- LOCKE, L. N., S. M. KERR, AND D. ZOROMSKI. 1982. Case report—Lead poisoning in common loons (*Gavia immer*). Avian Diseases 26: 392–396.

LONGCORE, J. R., P. R. CORR, AND H. E. SPENCER,

- JR. 1982. Lead shot incidence in sediments and waterfowl gizzards from Merrymeeting Bay, Maine. Wildlife Society Bulletin 10: 3-10.
- WHITE, D. H., AND R. C. STENDELL. 1977. Waterfowl exposure to lead and steel shot on selected hunting areas. Journal of Wildlife Management 41: 469-479.

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## LETTER TO THE EDITOR . . .

## **Goussia-Like Coccidium in Crocodiles**

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In their article in the Journal of Wildlife Diseases on a Goussia-like coccidium in crocodiles, Gardiner et al. (1986) made the statement, "this preliminary report establishes the fact that Goussia-like organisms can be found in non-picine definitive hosts." It does not. They have apparently missed Goussia flaviviridis (Setna and Bana, 1935) Levine, 1983 (a synonym is Eimeria flaviviridis Setna and Bana, 1935) in the gall bladder of Hemidactylus flaviviridis; Goussia hyalina (Léger, 1898) Levine, 1983 originally described as Coccidium hyalina (Léger, 1898) and Eimeria hyalina (Léger, 1898) Reichenow, 1921 from the Malpighian tubules of an unidentified aquatic beetle; and Goussia lacazei (Labbé, 1895) Levine, 1983 previously described as Bananella lacazei (Labbé, 1895), Coccidium schneideri Schaudinn and Siedlecki, 1897 and Eimeria lacazei (Labbé, 1896) Moroff, 1908 in the chilopods Lithobius forficatus and L. martini. In addition, they have failed also to mention the following species of "Eimeria" which may eventually turn out to be the same species as they saw: Eimeria crocodyli Lainson, 1968 in Crocodylus acutus; E. kermorganti (Simond, 1901) Braun, 1908 (a synonym is Coccidium kermorganti Simond, 1901) from the spleen of Gavialis gangeticus; and E. pintoi Carini, 1932 in Caiman sp.

## PERTINENT REFERENCES

- CARINI, A. 1932 (1931). Eimeria pintoi n. sp. parasita de um jacare. VII Reunion de la Sociedad Argentina Patologia Region Norte 1932: 922-
- GARDINER, C. H., G. D. IMES, JR., E. R. JACOBSON, AND CHRIS M. FOGGIN. 1986. Sporulated coccidian oocysts resembling *Gouissia* Labbe, 1896 in the viscera of Nile crocodiles. Journal of Wildlife Diseases 22: 575–577.
- LABBÉ, A. 1895. Banaella lacazei, genre nouveau de coccidies oligosporee. Archives de Zoologie Experimentale et Generale 3: xv-xvi.
- LAINSON, R. 1968. Parasitological studies in British Honduras. IV. Some coccidial parasites of reptiles. Annals of Tropical Medicine and Parasitology 62: 260–266.
- LEVINE, N. D. 1983. The genera *Barrouxia*, *Defretinella*, and *Goussia* of the coccidian family Barrouxiidae (Protozoa, Apicomplexa). Journal of Protozoology 30: 542-547.
- SETNA, S. B., AND R. H. BANA. 1935. Eimeria flaviviridis, n. sp., from the gall-bladder of Hemidactylus flaviviridis. Journal of the Royal Microscopial Society 55: 256-260.
- SIMOND, P. L. 1901. Note sur une coccidie nouvelle, Coccidium kermorganti, parasite de Gavialis gangeticus. Comptes Rendu de la Société de Biologie 53: 483-485.