





Pan continuity: bonobo-chimpanzee hybrids.

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INTRODUCTION

From historical accounts it appears that natural populations of bonobos and chimpanzees have been allopatric since their phylogenetic separation. There are no accounts of hybridization under natural conditions. There is, however, evidence for interbreeding between bonobos and chimpanzees in captivity.

METHODOLOGY

We briefly observed and filmed 7 bonobochimpanzee hybrids (see table)

RESULTS

1. Anatomical features:

Among the 7 hybrids there was clear individual variation in degree of expression of typical chimpanzee- or bonobo features. In each individual there were anatomical features reminiscent of both of the parental species: the specific bonobo-like pink coloration of the lips, the hairstyle and slender body-build or the chimpanzee-like dorsal position of the female genitals, more sturdy body build and prognathism.

Ind.	Sexe	Date of birth	Father	Mother
Blois	Male	21-03-1991	Bonobo Congo	Chimpanzee Julie
Tibie*	Female	5-12-1991	Bonobo Congo	Chimpanzee Clara
Diana	Female	10-03-1992	Bonobo Congo	Chimpanzee Julie
Adam*	Male	30-07-1992	Bonobo Congo	Chimpanzee Clara
Max*	Male	07-05-1992	Bonobo Congo	Chimpanzee Julie
Clara*	Female	27-10-1994	Bonobo Congo	Chimpanzee Julie
Caroline	Female	6-8-1999	Bonobo Congo	Chimpanzee Julie







2. Behaviour:

Four hybrids (marked * in table) - 2 males, aged 10 and 9, and 2 females, aged 10 and 8 - were observed (6.5hrs). We observed mostly female oriented interactions, including grooming, play, approaches and intersexual ventro-dorsal sex. There was one female coalition against the males. The individuals lip-smacked while grooming and performed swaggering displays. The hoots were like chimpanzee pant-hoots with an introduction, build-up and climax in a higher pitched bonobo tone and more "e" than "o" sounds.

















CONCLUSIONS

Studies on Pan in the seventies and eighties emphasized the discontinuity between the two species, contrasting the maledominated, aggressive nature of the chimpanzees with the female-oriented, peaceful nature of the bonobo. Since the nineties, the continuity among Pan is increasingly being documented. The existence of hybrids challenges our tendency for binary thinking and points at the conceptual relativity of the species gap.

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