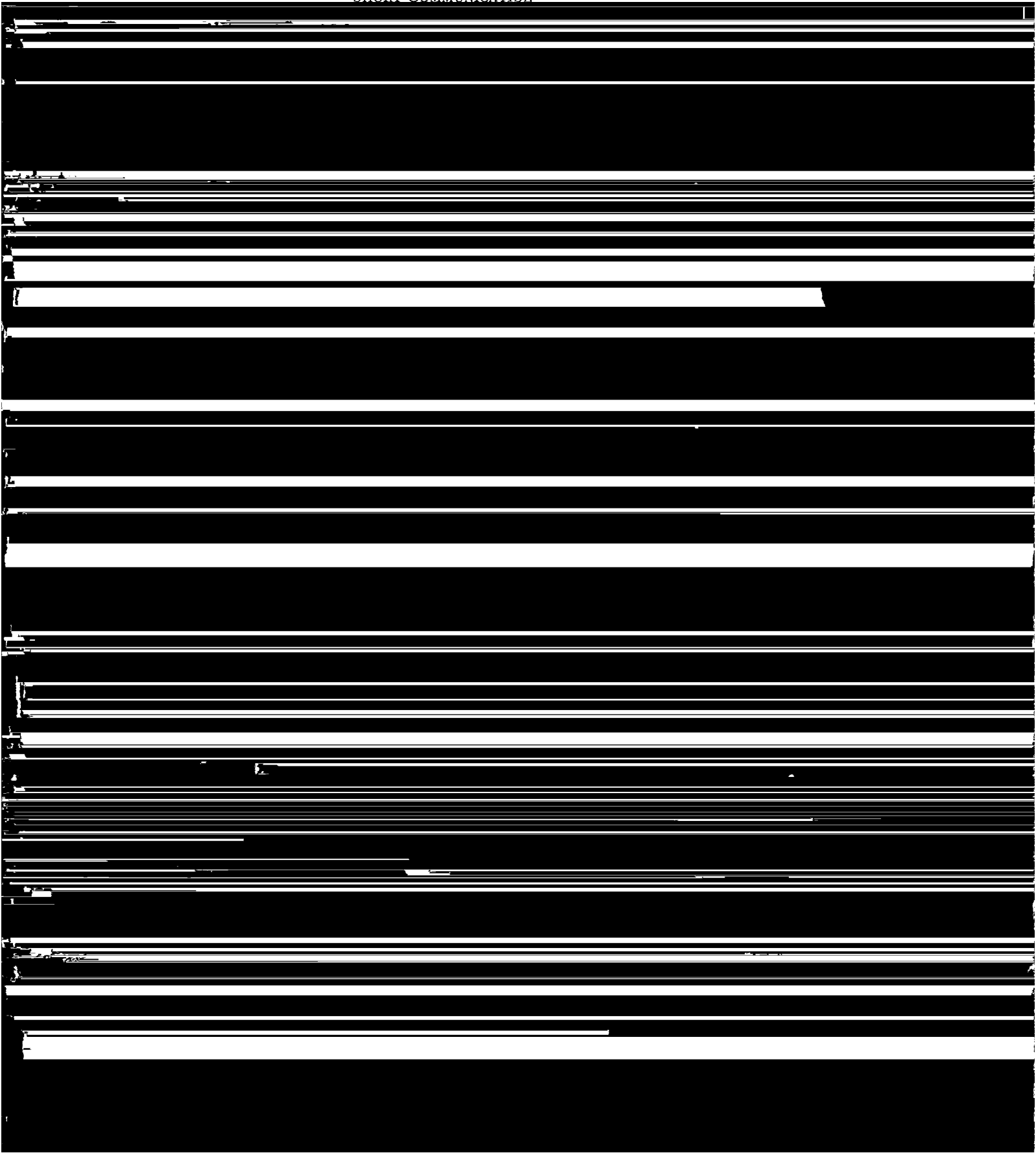
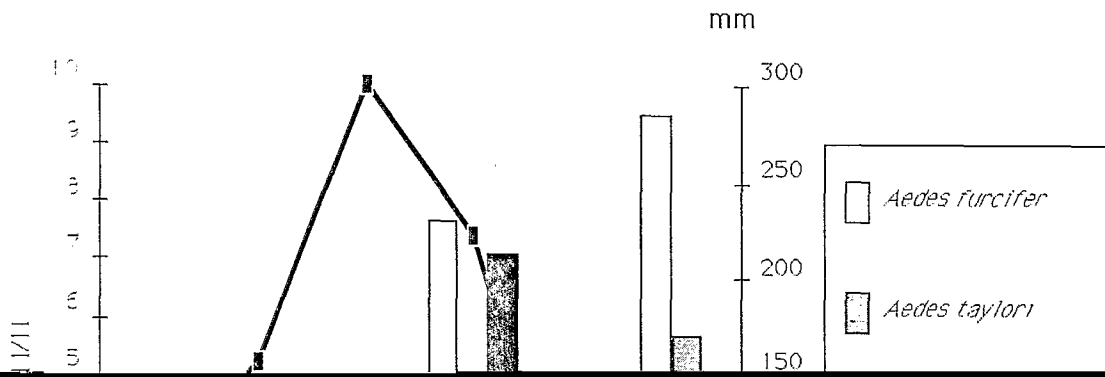
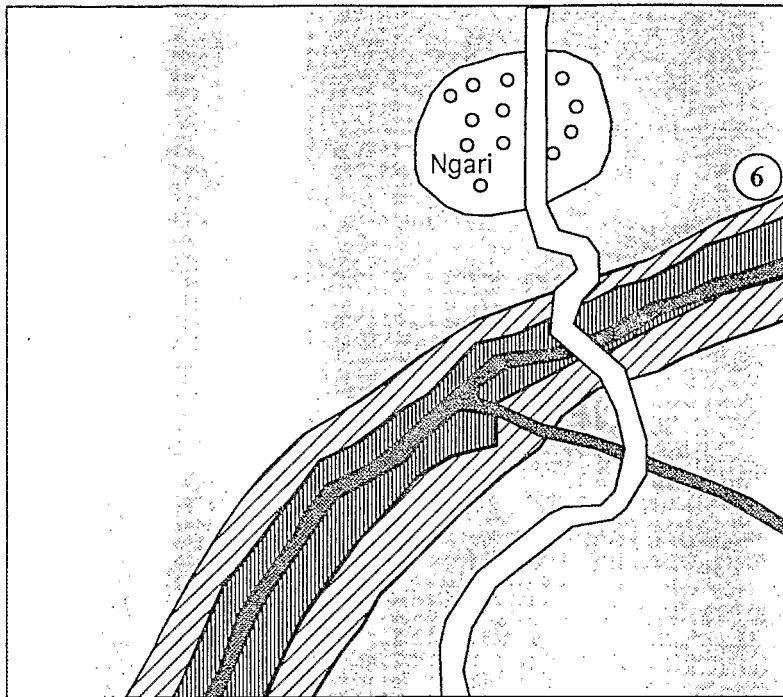


11/11/11

SHORT COMMUNICATION







Map of
KEDOUGOU area

Table 1. *Aedes* collected in the Kedougou area in 1990, pools tested, and dengue-2 virus isolations

Genus	Species	June		September		October		November			Total		
		No.	Pools	No.	Pools	No.	Pools	No.	Pools	No.	Pools		
			No. (+)*		No. (+)		No. (+)		No. (+)		No. (+)		
<i>Aedes</i>													
<i>Diceromyia</i>	<i>furcifer</i>	245	3	838	9	251	3	1,030	11	(6)	2,364	26	(6)
	<i>taylori</i>	57	3	411	6	171	2	617	8	(6)	1,256	19	(6)
<i>Stegomyia</i>	<i>luteocephalus</i>	93	4	770	9	218	3	272	7	(4)	1,353	23	(7)
	<i>aegypti</i>	77	3	25	3	14	2	45	7		161	15	
	<i>unilineatus</i>	3	1					2	1		5	2	
	<i>cozi</i>	3	1					1	1		4	2	
	<i>neoafricanus</i>							6	1		6	1	
	<i>opok</i>							1	1		1	1	
<i>Aedimorphus</i>	<i>vittatus</i>	524	6	219	4	113	2	69	7		925	19	
	<i>dalzieli</i>	204	3	212	4	82	2	731	10		1,229	19	
	<i>cumminsii</i>	2	1								2	1	
	<i>argenteopunctatus</i>			300	5	11	2	5	1		316	8	
<i>Aedes</i> spp.	<i>other</i>			104	9	16	3	27	3		147	15	
Total		1,208	25	2,879	49	876	19	2,806	58	(16)	7,769	151	(19)

per 1,000 females tested for *Ae. furcifer*, 4.8 for *Ae. taylori*, and 5.2 for *Ae. luteocephalus*. The first DEN-2 isolate was recovered from *Ae. luteocephalus* at site 2 in September. In October DEN-2 virus was obtained from *Ae. luteocephalus* at sites 2 and 3 (two isolates). In November the virus was isolated at all sites from *Ae. luteocephalus* (sites 1, 3, 4, and 6), from *Ae. furcifer* (sites 2, 3, and 6), and from *Ae. taylori* (sites 4, 5, and 6). Other flaviviruses were isolated in June; five isolates of Kedougou virus from *Ae. dalzieli* (four isolates) and from *Ae. aegypti* (one isolate), one isolate of Bagaza virus from *Culex perfuscus* (Newstead), three isolates of Zika virus from *Ae. furcifer* (one isolate), *Ae. luteocephalus* (one isolate) and *Ae. dalzieli* (one isolate). Single isolates of yellow fever and Chikungunya viruses were obtained from *Ae. furcifer* in November. Another yellow fever strain was isolated from *Ae. luteocephalus*.

vatic cycle could exist similar to yellow fever virus involving monkeys and *Aedes* mosquitoes; however, a sylvan cycle has yet to be established for DEN-2 virus and considerable research is necessary to determine the role of monkeys in virus maintenance.

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