DAY 28 MONTH AUG YEAR 2009 OBS-PC KJ TMF/40 AG TW HOW FOUND N

	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	BL	BU	BO	MU	MX	MN	OU	OT	OG	OM	TG	TT	TS	UM	UN	AL	AT	AZ	LR	LO	WA	WE	WL	WC	QT	QV	RD	ML	NP	EU	GRID	MNK	SP	PT
Estrus																																															
5:45																																															
6:00					X		X		X																																	X	M 24		—	—
6:15					X		X		X																																	X			—	—
6:30					X		X		X																																	X			—	—
6:45					X		X		X																																	X			—	—
7:00					X		X		X																																	X			—	—
7:15					X		X		X																																	X	M 24		DHY	RF
7:30					X				X																																		N 24		—	—
7:45					X				X																																		M 24	BWC	—	—
8:00					X				X																																		M 24	"	FBR	RF
8:15									X																																		M 24		—	—
8:30									X																																		L 24		—	—
8:45					X				X																																		K 23		—	—
9:00					X				X																																		K 23		—	—
9:15					X				X		X																															X	J 24		—	—
9:30					X				X		X																															X	J 24		CHR	RF
9:45					X				X		X																															X	J 24		—	—
10:00					X				X		X																																H 23	BWC	FCY	RF
10:15					X				X		X																																	"	FCY	RF
10:30					X				X		X																																	"	FCY	RF
10:45					X				X		X																																	"	—	—
11:00					X				X		X																																	"	—	—
11:15					X				X		X																															X		"	FCY	RF
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11:45					X				X		X																															X		"		
12:00					X				X		X																															X		"	FCY	RF
12:15					X				X		X																															X			—	—
12:30					X				X		X																															X			—	—
12:45					X				X		X																															X			—	—
	ST	TU	BB	YB	AJ	MS	LK	KK	PG	ES	PB	TJ	BL	BU	BO	MU	MX	MN	OU	OT	OG	OM	TG	TT	TS	UM	UN	AL	AT	AZ	LR	LO	WA	WE	WL	WC	QT	QV	RD	ML	NP	EU				
13:00					X			X	X																																	X			—	—
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14:15					X			X	X																																	X			—	—
14:30					X			X	X																																	X			FCY	RF
14:45					X			X	X																																	X			THV	THV
15:00					X			X	X																																	X	H 24		THV	THV
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Health																																														

COMMENTS Chimps moved deep in the swamp then BS could not follow them through and abandoned them.

FOUND: C=calls, FT=checking fruit trees, FFT: waiting at fruit tree, N=nest **PARTY COMPOSITION**: X: present at that time; O = thought to be around

OTHERS: Write IDs in blank columns: HH, PE, UM-UH-UN, GD-GS-GG, MU-MX, AFF, AMM, JFF, JMM, IMM, IFF

PT: **RF** = ripe fruit, **UF** = unripe fruit, **SD** = seed, **YL** = young leaf, **ML** = mature leaf, **FL** = flower, **WD** = wood, **RT** = root, **SL** = soil, **MT** = meat

MNK: **RDC**= Red colobus, **BWC**= Black and white colobus, **RDT**= Red-tail monkey, **BLU**= Blue Monkey, **MGB**= Mangabey, **BAB**= Baboon

HEALTH: **1** = Healthy, **2** = Cold/cough, **3** = Diarrhoea, **4** = Wound (describe). **ESTRUS**: **1** = None, **2** = Partial, **3** = Full

KPC Behavior

DAY 28 MONTH AUG YEAR 2009 KPC KJ OTHERS AG FOUND C

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
728	Found KK and AJ again at 5/KRd									
730	KK AJ				5 KRd				∅	
733	AJ feeding on TRI YL.									
733	KK made non vocal displays AJ Ignored.									
736	KK feeding on TRI YL.									
743	KK made vocal vocal displays and buttress bungs AJ did not respond.									
744	KK found on FBR in fruits and he started making food barks.									FBK
745	KK AJ				@ 8				BWC	
"	KK climbed into FBR making food barks. AJ also respondee with food barks too.									FBK
746	AJ made vocal displays and buttress bungs KK made food barks.									
747	AJ also climbed into FBR and they both made alot of food barks. as they feed.									FBK

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
		Duration														
733	KK		6sec					None							un known	G
743	KK	7sec						None							social excitement	G
746	AJ	12sec						None							social excitement	G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK Estrous: 1=None, 2=Partial, 3=Full

AP: Adult play; **CP:** Copulation; **CY:** Carry; **DR:** Drink; **ELE:** Elephants; **FBK:** Food Bark; **HCG:** Hand-clasp groom; **HNY:** Honey
IGI: Intergroup interaction; **LF:** Leaf use; **MAT:** Monkeys attack; **PIG:** Pigs; **Pred:** Predation; **PTG:** Pant-grunt; **RN:** Rain
RD: Rain display; SOIL: Eating red soil; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events
PAT: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC Behavior

DAY 28 MONTH AUG YEAR 2009 KPC KJ OTHERS AG FOUND C

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
800	KK AJ				Q/8	V	FBR	RF	BWC	
803	KK coming down from				FBR.					
804	KK feeding on MAR PITH									
810	KK moved alone leaving				AJ		feeding			
	on FBR.									
815	KK				HOP CRd				∅	
822	Heard distant calls from				east of					
	BIMFP KK stopped and listened.									
828	KK made vocal displays				and buttress					
	bungs no respons from				any					
	where.									
830	KK				F/700				∅	
835	Heard distant call from				east of					
	F1800, KK listened.				but did not					
	respond.									
838	AJ joined KK again.									
840	KK started vocal displays				and buttress					
	bungs AJ joined him too.				Then Heard					

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD Duration	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
828	KK	45ec						None							Un known	G
840	KK	8sec						None							Un known	G
11	AJ	6sec						None							Un known	G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

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KPC Behavior

DAY 28 MONTH AUG YEAR 2009 KPC KJ OTHERS AG FOUND C

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
	distant calls from south east of									
	H1800.									
845	KK AJ				H 900				RDC	
900	KK AJ				J 1200				ϕ	
902	KK made vocal displays and buttress									
	bungs AJ joined him with vocal									
	displays only. then ES made wars									
	as they joined the party with Gu.									
903	ES made pant barks to KK and AJ who									
	ignored him.									
907	AJ drinking water from the stream									DR
	by the mouth.									
910	chimps feeding on THV									
914	KK moved towards ES who avoided									PTG
	him casually pant grunting.									
915	KK AJ ES			Gu	J WST				ϕ	
918	KK feeding on UTM flowers.									
919	AJ moved towards ES who made pant									PTG

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD Duration	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
902	KK	78sec						None							Un Known	G
11	AJ	55sec						None							Un Known	G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK Estrous: 1=None, 2=Partial, 3=Full

AP: Adult play; **CP:** Copulation; **CY:** Carry; **DR:** Drink; **ELE:** Elephants; **FBK:** Food Bark; **HCG:** Hand-clasp groom; **HNY:** Honey
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PAT: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC Behavior

DAY 28 MONTH AUG YEAR 2009 KPC _____ OTHERS _____ FOUND _____

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
	grunts before him as he avoided him									
	casually AJ ignored.									
924	ES grooming AJ.									
930	KK AJ ES			EU	K/WST	✓	EHR	RF	Ø	
931	AJ feeding on MAR pith.									
935	ES made pant grunts before KK who									
	ignored him.									
945	KK AJ ES			EU	K/WST				Ø	
947	ES and EU took their own way and									
	are out of the party.									
952	KK AJ came to a group of Bwe monkey									
	and made vocal displays, the monkeys									
	ran away silently.									
953	PG joined the party pant barking									
	then approached KK who mounted									
	him. (KK→PG) both making soft									
	screams, then heard distant calls									
	from the east.									

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim						Behavioral Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G
952	KK	5sec						None							Un known	G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

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KPC Behavior

DAY 28 MONTH AUG YEAR 2009 KPC KJ OTHERS AG FOUND C

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
753	chimps	climbed into	Fcy		making					FBK
	bath food barks	and	food		grunts.					
954	PG grooming KK.									
1000	KK AJ PG				Swamp WST	✓	FCy	RF	Bwc	
1015	KK AJ PG				"	✓	FCy	RF	"	
1024	Hand clasp mutual	groom			KK ⇄ PG					HCG
1025	KK grooming PG	after	hand		clasp.					
1030	KK AJ PG				Swamp WST	✓	FCy	RF	Bwc	
"	PG grooming KK									
1033	KK grooming PG									
1034	chain groom	AJ →	KK →	PG						
1036	Mutual groom	AJ ⇄	KK	PG						
1037	chain groom	PG →	KK →	AJ						
1039	AJ grooming KK.									
1042	Hand clasp mutual	groom			KK ⇄ PG					HCG
"	AJ self groom.									
1045	KK AJ PG				Swamp WST				Bwc	
1046	KK grooming PG	after	hand	clasp.						

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim						Behavioral Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK Estrous: 1=None, 2=Partial, 3=Full

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RD: Rain display; **SOIL:** Eating red soil; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events
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KPC Behavior

DAY 28 MONTH AUG YEAR 2009 KPC KJ OTHERS AG FOUND C

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1047	chain groom AJ → KK → PG									
1050	AJ grooming KK.									
1052	Both AJ & PG are grooming KK.									
1054	chain groom AJ → KK → PG.									
11	Hand clasp mutual groom	AJ		KK					PG	HCG
1055	chain groom PG → KK → AJ.									
1059	Both AJ & PG are grooming KK.									
1100	AJ KK PG				Just swamp				Brut	
1103	Hand clasp mutual groom				KK					HCG
1104	PG grooming KK after hand clasp.									
11	Hand clasp mutual groom				KK					HCG
11	AJ resumed feeding on FCY RF.									
1105	mutual groom after hand clasp				KK				PG	
1106	KK grooming PG.									
1107	PG mounting KK making pant grunts.									PTG
	and groomed him.									
1108	KK grooming PG.									

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim						Behavioral Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

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KPC Behavior

DAY 28 MONTH AUG YEAR 2009 KPC KJ OTHERS AG FOUND C

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1114	ES & Eu joined the party again, Eu									
	made pant grunts then food grunts									FGR
	as they climbed into Fcy.									
1115	KK AJ PG ES			Eu	swamp WST	V	Fcy	RF	Bwc	
1130	KK AJ PG ES			Eu	"	V	Fcy	RF	"	
1143	KK AJ and PG coming down from Fcy									
1144	PG grooming KK									
1145	KK AJ PG ES			Eu	swamp WST	V	Pcy	RF	Bwc	
"	KK grooming PG.									
1148	Hand clasp mutual groom				KK ⟷ PG					HCG
1149	mutual groom after hand clasp				KK ⟷ PG					
1150	PG grooming KK									
1200	KK PG AJ ES			Eu	WST swamp	V	FCP	RF	Bwc	
1202	ES coming down from Fcy.									
1206	Eu coming out of Fcy last but not									
	to the ground.									
1208	KK grooming PG.									
1212	Hand clasp mutual groom				PG ⟷ KK					HCG

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim						Behavioral Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

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RD: Rain display; **SOIL:** Eating red soil; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events
PAT: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC Behavior

DAY 28 MONTH AUG YEAR 2009 KPC KT OTHERS AG FOUND C

Time	Party Composition: AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1214	PG grooming KK									
1215	KK AJ PG ES			eu	WST swamp				∅	
1217	KK grooming PG									
1225	PG grooming KK who is at the same									
	time leaf grooming 21 sec.						PG continued			LF
	grooming him after the leaf groom.									
1227	Hand clasp mutual groom				PG ⇐⇒ KK					HCG
1228	Mutual groom KK ⇐⇒ PG									
1230	KK grooming PG									
1230	KK AJ PG ES			eu	WST swamp				∅	
1231	PG grooming KK.									
1235	Mutual groom KK ⇐⇒ PG									
1237	KK grooming PG									
1245	KK AJ PG ES			eu	WST swamp				∅	
1250	PG grooming KK									
1255	Hand clasp mutual groomi				PG ⇐⇒ KK					HCG
1257	KK grooming PG after				hand clasp.					
1300	KK AJ PG ES			eu	WST swamp				∅	

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD Duration	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim: No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

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KPC Behavior

DAY 28 MONTH AUG YEAR 2009 KPC KT OTHERS AG FOUND C

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1305	PG grooming KK.									
1315	KK AJ PG ES			EU	WST swamp				∅	
1321	PG grooming him self.									
1327	PG grooming KK.									
1330	KK AJ PG ES			EU	WST swamp				∅	
1331	Hand clasp mutual groom KK←→PG									HCG
1333	KK grooming PG after hand clasp.									
1336	mutual groom KK←→PG									
1342	KK grooming PG									
1343	Hand clasp mutual groom KK←→PG									HCG
1344	mutual groom after hand clasp. KK←→PG									
1345	KK AJ PG ES			EU	WST swamp				∅	
1349	PG grooming KK.									
1358	KK grooming PG.									
1400	KK AJ PG ES			EU	WST swamp				∅	
1402	chain groom AJ→KK→PG.									
1406	Hand clasp mutual groom AJ⇄KK←PG									HCG
1407	chain groom PG→KK→AJ									

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim						Behavioral Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

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KPC Behavior

DAY 28 MONTH AUG YEAR 2009 KPC KJ OTHERS AG FOUND C

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1408	KK grooming AJ.									
1409	AJ grooming KK									
"	Both AJ and PG grooming KK.									
1411	PG grooming KK.									
1413	AJ grooming KK as PG grooms him self.									
1414	KK grooming AJ									
1415	KK AJ PG ES			EU	WST swamp				Ø	
"	Hand clasp mutual groom PG ←→ KK ← AJ									HCG
1416	mutual groom PG ←→ KK ← AJ.									
1419	chimps climbed up again FCY and									
	started feeding on RF.									
1430	KK AJ PG ES			EU	WST swamp	✓	FCY	RF	Ø	
1438	chimps coming down from FCY									
1440	KK & AJ eating clay soil from the									
	roots of a fallen tree									
1442	chimps started feeding on THV.									
1445	PG AJ KK ES			EU	WST swamp	✓	THV	THV	Ø	
1450	it started drizzling.									RN

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim						Behavioral Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

At 15-MINUTE INTERVALS: Party composition, Location, Food, MNK Estrous: 1=None, 2=Partial, 3=Full

AP: Adult play; **CP:** Copulation; **CY:** Carry; **DR:** Drink; **ELE:** Elephants; **FBK:** Food Bark; **HCG:** Hand-clasp groom; **HNY:** Honey
IGI: Intergroup interaction; **LF:** Leaf use; **MAT:** Monkeys attack; **PIG:** Pigs; **Pred:** Predation; **PTG:** Pant-grunt; **RN:** Rain
RD: Rain display; SOIL: Eating red soil; **STK:** Stick use; **TLU:** Tool use; **UNF:** Unusual food; **Q:** Other unusual events
PAT: Patrol (Non-conflict hair erection? Sniff? Bipedal? Scan? Reassurance touch? Close single file?)

KPC Behavior

DAY 28 MONTH AUG YEAR 2009 KPC KJ OTHERS AG FOUND C

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
1454	KK moved towards ES who avoided									
	him casually pant grunting.									PTG
1500	KKAJ PGES			EU	FEEX / WST	✓	THV	THV	Ø	
1501	chimps entered into the swamp and									
	started feeding on PAP pith making									FGT
	grunts									
1509	it stoped drizzling									
1515	KKAJ PGES			EU	FEEX / WST	✓	PAP	PITH	Ø	
1530	KKAJ PGES			EU	"	✓	PAP	PITH	Ø	
1536	Obs abandoned chimps after failing to									
	move across the swamp where chimps									
	were heading to.									

11/24

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack			Victim	Response of Victim						Behavioral Context	Height
		Duration			1	2	3	ID	No	Av	Submission	Tn	Rt	RA		T or G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

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KPC Behavior

DAY 28 MONTH AUG YEAR 2009 KPC KJ OTHERS AG TW FOUND N

Time	Party Composition AMM	AFF (Include estrous)	JMM (Juveniles and Infants)	JFF	Loc	F	SP	PT	MNK	BEH
553	Obs arrived at the nests and found									
	chimps in their nests.									
600	KKLK ESAJ			EU	Q T4				Ø	
615	KKLK ESAJ			EU	"				Ø	
630	KKLK ESAJ			EU	"				Ø	
645	KKLK ESAJ			EU	"				Ø	
"	KK made vocal displays and buttress									
	bungs others did not respond.									
646	KK made non vocal displays and									
	buttress bungs. EU made waars									
656	AJ coming down from his night nest									
700	KKLK ESAJ			EU	13 CRd				Ø	
704	AJ feeding on PHY RF									
712	KK made non vocal displays AJ did									
	not respond.									
715	KKLK ESAJ			EU	13 Log	✓	PHY	RF	Ø	
720	chimps moved away and are out of									
	view									

Aggression/Received Aggression (Use additional sheets and describe on back if necessary)

Time	ID	VD	NvD	Chase	Attack 1	2	3	Victim ID	Response of Victim No	Av	Submission	Tn	Rt	RA	Behavioral Context	Height T or G
		Duration														
645	KK	6sec						None							Awake	G
646	KK		14sec					None							Awake	G
712	KK		10sec					AJ	N		No				Un Known	G

Copulation

Time	Duration	Fem	Male	Interfere?	Groom?	Scream?	Dart	Who approached?	Notes

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