

Building resultative serial verb constructions in Benue-Kwa languages

AG4 Change of State Verbs – Empirical and Theoretical Perspectives

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Overview

The challenge

Analysis

Conclusions

Data

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Resultative Serial Verb Constructions – Yorùbá I

jẹ ⟨AG, TH⟩ ‘eat’ + *tán* ⟨TH⟩ ‘be.finish’ → *jẹ X tán* ⟨AG, TH⟩ ‘eat X be.finish’

- (1) *Eníolá á jẹ ọbè ewédú tán.*
 Eníola HTS eat soup jute.leaf be.finished
 ‘Eníola finished the ewédú.’ YORÙBÁ
- a. *Eníolá á jẹ ọbè ewédú.*
 Eníola HTS eat soup jute.leaf
 ‘Eníola ate ewédú.’
- b. *Ọbè ewédú ú tán.*
 soup jute.leaf HTS be.finished
 ‘The ewédú soup is finished.’

Resultative Serial Verb Constructions – Yorùbá II

fà (AG, TH) ‘pull’ + *ya* (TH) ‘tear’ = *fà X ya* (AG, TH) ‘tear X apart’

- (2) Fémi í fa ìwé náà ya.

Fémi HTS pull book DET tear

‘Fémi pulled the book apart.’ YORÙBÁ, (Lord 1974,
pp. 198)

- a. Fémi í fa ìwé náà.

Fémi HTS pull book DET

‘Fémi pulled the book.’

- b. ìwé náà á ya.

book DET HTS tear

‘The book tore.’

Resultative Serial Verb Constructions – Emai I

hóóy *⟨AG, TH⟩* ‘wash’ + fúán *⟨TH⟩* ‘be.clean’ → hóóy X fúán
⟨AG, TH⟩ ‘wash X clean’

- (3) Òjè hóóy ólí úkpùn fúán.
Òjè wash DET.S cloth be.clean

‘Òjè washed the cloth clean.’, EMAI (Schaefer and
Egbokhare (2017, pp. 698–701))

- a. Òjè hóóy ólí úkpùn.
Òjè wash DET.S cloth
‘Òjè washed the cloth.’
- b. ólí úkpùn fúán-ì.
DET.S cloth be.clean-FACT
‘the cloth is clean.’

Resultative Serial Verb Constructions – Igbo I

kụ {AG, TH} ‘knock’ + *wa* {TH} ‘break’ → *kụ X wa* {AG, TH} ‘knock X break’ = ‘smash X’

- (4) Ògú *kụ-wa-ra* éfere m̄.
Ògú knock-break-RV plate 1SG.GEN

‘Ògú smashed my plate.’ IGBO, Déchaine (1993a,
pp. 811–812)

- a. Ògú *kụ-ru* éfere m̄.
Ògú knock-RV plate 1SG.GEN
‘Ògú knocked the plate.’
- b. éféré m̄ wà-rà.
plate 1SG.GEN break-RV
‘the plate broke.’
- c. éféré m̄ àwá-álá.
plate 1SG.GEN PFX-break-PRF
‘the plate is broken.’

Resultative SVCs in Benue Kwa

- ▶ One agentive transitive verb V_1 (activities or accomplishments) combines with an unaccusative verb V_2 (states or achievements) (cf. Baker 1989, pp. 529–533, Collins 1997, pp. 481–487)
- ▶ Yield one common verbal concept
- ▶ Productive cases: two events interpreted as a complex telic event, even if composed of two atelic events
- ▶ Sometimes with idiomatic meaning: *ku X wa* ‘knock + break = smash’

Aspectual classes in RSVC: V_1

Following Vendler (cf. Beavers 2013, pp. 681–684):

- ▶ Attested aspectual classes for V concept expressed by V_1 : compatible with PROG → [+stages]

- (5) Èniolá á n̄ je ọbè ewédú.
Èniola HTS PROG eat soup jute.leaf
'Èniola is eating the ewédú.' YORÙBÁ

- ▶ Activities [-telic,+stages] ??compatibility with PROG

- (6) Èniolá á je ọbè ewédú láàrín wákàtí kan.
Èniola HTS eat soup jute.leaf within hour one
'Èniola ate the ewédú within an hour.' YORÙBÁ

- ▶ Accomplishment [+telic,+stages]

- (7) Èniolá á je ọbè ewédú fún wákàtí kan.
Èniola HTS eat soup jute.leaf for hour one
'Èniola ate the ewédú for an hour.' YORÙBÁ

Aspectual classes in RSVC: V_2 *tán*

- ▶ Attested aspectual classes for V concept expressed by V_2
- ▶ incompatible with PROG [-stages]

(8) * ọbè ewédú ú n tán.
soup jute.leaf HTS PROG be.finished

Intended: 'The ewédú is finishing' YORÙBÁ

- ▶ Achievements [+telic, -stages]:

(9) ọbè ewédú ú tán láàrín wákàtí kan.
soup jute.leaf HTS be.finished within hour one
'The ewédú finished within an hour' YORÙBÁ

- ▶ States [-telic, -stages]

(10) ọbè ewédú ú tán fún wákàtí kan.
soup jute.leaf HTS be.finished for hour one
'The ewédú was finished for an hour' YORÙBÁ

Aspectual class of the entire RSVC *je X tán I*

- ▶ Incompatible with PROG → [-stages]

(11) * Èniolá á n je ọbè ewédú tán
Èniola HTS PROG eat soup jute.leaf be.finished
fún wákàtí kan.
for hour one
Intended: 'Èniola is finishing up the ewédú.'
YORÙBÁ

- ▶ compatible with telic *in an hour* modifier → [+telic]

(12) Èniolá á je ọbè ewédú tán láàrín
Èniola HTS eat soup jute.leaf be.finished within
wákàtí kan.
hour one
'Èniola finished the ewédú within an hour.' YORÙBÁ

Aspectual class of the entire RSVC *jé X tán* II

- Incompatible with atelic *for an hour* modifier → [+telic]

(13) * Èniolá á jé ọbè ewédú tán fún
Èniola HTS eat soup jute.leaf be.finished for
wákàtí kan.
hour one
Intended: 'Èniola finished the ewédú for an hour.'
YORÙBÁ

- Conclusion:** *jé X tán* 'eat X be.finished' is an achievement
[+telic, -stages]

Aspectual classes in RSVC: V_1 *fà*

CHECK DIFFERENT EXAMPLE

- ▶ Compatible with PROG → [+stages]

(14) Fémí í náà fa ìwé náà.
 Fémí HTS PROG pull book DET
 'Fémí is pulling the book.' YORÙBÁ

- ▶ compatible with telic *in an hour* modifier → [+telic]

(15) Fémí í fa ìwé náà láàrín wákàtí kan.
 Fémí HTS pull book DET within hour one
 'Fémí pulled the book within an hour.' YORÙBÁ

Aspectual classes in RSVC: V_2 ya

- ▶ Attested aspectual classes for verbal concept expressed by V_2
- ▶ compatible with PROG → also [+stages]

(16) ìwé náà á n ya.
 book DET HTS PROG tear

'The book is tearing.' YORÙBÁ

- ▶ Achievements [+telic, -stages] or Accomplishments.
[+telic, +stages]:

(17) ìwé náà á ya láàrín wákàtí kan.
 book DET HTS tear within hour one

'The book within one hour.' YORÙBÁ

- ▶ Incompatible with atelic *for an hour* modifier → only [-telic]

(18) # ìwé náà á ya fún wákàtí kan.
 book DET HTS tear for hour one

'The book tore for one hour.' YORÙBÁ

Aspectual class of the entire RSVC *fà X ya* I

- ▶ Compatible with PROG → [+stages]

(19) Fémí í náà fa ìwé náà ya.
 Fémí HTS PROG pull book DET tear
 'Fémí is tearing the book apart.' YORÙBÁ

- ▶ compatible with telic *in an hour* modifier → [+telic]

(20) Fémí í fa ìwé náà ya láàrín wákàtí kan.
 Fémí HTS pull book DET tear within hour one
 'Fémí tore the book apart within an hour.' YORÙBÁ

Aspectual class of the entire RSVC *fà X ya* II

- ▶ Compatible with atelic *for an hour* modifier → [-telic]

(21) Fémí í fa ìwé náà ya fún wákàtí kan.
Fémí HTS pull book DET tear for hour one
'Fémí tore the book apart within for an hour.'
YORÙBÁ

- ▶ **Conclusion:** *fà X ya* 'pull X be.torn/tear' is can be an activity [+telic,+stages] or an accomplishment [+telic,+stages]

Aspectual Puzzle

verb	PROGRESSIVE	<i>for one hour</i> -MOD	<i>in one hour</i> -MOD
<i>je</i> 'eat'	✓	✓	✓
<i>tán</i> 'be.finished'	*	✓	?
<i>tán</i> 'finished'	*	*	✓
<i>je tán</i> 'eat up'	*	*	✓
<i>fà</i> 'pull'	(✓)	(✓)	(✓)
<i>ya</i> 'be.torn'			
<i>ya</i> 'tear'	✓	*	✓
<i>fà ya</i> 'tear apart'	✓	✓	✓

- ▶ Difficulty *ya* is ambiguous between a inchoative unaccusative and a causative transitive use

Aspectual Puzzle

Already Ogie (2009, pp. 234–238) observed: RSVC in Èdó can fall into various aspectual classes

- ▶ Degree states: *washing extremely clean/washing clean in 2 minutes/*washing clean at 2pm*
- ▶ Achievements **pushing down from 2pm to 4pm/pushing down at 2 pm*

Syntactic headedness

- ▶ Imperative possible with full RSVC

(22) Je ọbè ewédú tán!
 eat soup jute.leaf be.finished
‘Finish up the ewédú!’ YORÙBÁ

- ▶ Imperative possible with V_1

(23) Je ọbè ewédú!
 eat soup jute.leaf
‘Eat the ewédú!’ YORÙBÁ

- ▶ Sometimes imperative impossible with V_2

(24) tán!
 be.finished
Intended:‘Be finished!’ YORÙBÁ

- ▶ V_1 is the syntactic head.

SVC in Benue Kwa – Challenges Syntax

1. How to model coreference with unrealised NPs of V_2 ?
2. What is the syntactic category of " V_1 " and " V_2 "?
 - ▶ Could one of them be P?
 - ▶ Could one of them be auxiliary?
 - ▶ Could one of them be particle?
3. Is there any hierarchical relation between V_1 and V_2 ?
 - ▶ Is V_1 complement of V_2 (or vice versa)?
 - ▶ Does V_1 modify V_2 (or vice versa)?
 - ▶ Or are V_1 and V_2 coordinated?
4. What causes difference of word order V_1 NP V_2 vs. V_1 V_2 NP (Igbo Compounds, Yorùbá PROG)
5. How to distinguish between SVC vs TAM markers/auxiliaries, complementizers and other verbs that take verbal/clausal complements?
6. Are there subclasses of SVC?

Contrasting definitions of SVCs

	sharing of				single event	no sub-ord marker	no coord-marker
	SUBJ	D.OBJ	TAM	POL			
Stahlke (1970, pp. 60, 78, 80)	✓		✓		(✓)		
Baker (1989, pp. 513)	✓	✓	✓				
Déchaine (1993b, pp. 799–800)	✓		✓		✓		
Durie (1997)					✓		
Collins (1997, pp. 462, 465–468)	✓	✓				✓	✓
Aikhenvald (2006, pp. 1)			✓		✓		✓
Aboh (2009, pp. 3)			✓		✓		✓
Bisang (2009)					✓		
Shluinsky (2017, pp. 379)	✓			✓	✓		

- ▶ How to account for the syntactic behaviour of SVCs in these contexts?
- ▶ Vs in SVC are MEP –
- ▶ matrix Vs and SVC heads are MEP +

- ▶
- ▶
- ▶
- ▶

Competing analyses for SVC

- 1. covert coordination:** headless structures
 - 1.1 Stewart (1963, pp. 145–147), Williamson (1965, pp. 47–60), Awóbùlúyì (1967, pp. 86–102), Pike (1967, pp. 3), Bendor-Samuel (1968, pp. 120–121, 127)
 - 1.2 Bamgbose (1974, pp. 21–27), Zimmermann and Amaechi (2020, sec 6.1)
 - 1.3 as constructions with non-compositional content (cf. Müller and Lipenkova 2009)
- 2. head-adjunct structures** (Bamgbose 1974, pp. 34–36
A. S. Lawal 1989, N. S. Lawal 1993, Déchaine 1993b,
Hellan, Beermann, and Andenes 2003, Ogie 2009)
- 3. head-complement structures**
 - 3.1 Baker (1989) with multiple heads
 - 3.2 Collins (1997): SVC as object control predicates
 - 3.3 Aboh (2009), Zimmermann and Amaechi (2020, sec 6.2):
SVC as light verbs in AspP
 - 3.4 Ogie (2009):

Competing views on SVC-classes

1. All SVCs have uniform syntax

- ▶ **head-adjunct**: N. S. Lawal (1993), Déchaine (1993a)
- ▶ **head-complement**: Baker (1989), Collins (1997), ?Aboh (2009)
- ▶ **coordination**: Müller and Lipenkova (2009) (Mandarin)

2. SVC fall into different syntactic classes

- ▶ **coordination and head-adjunct**: Bamgbose (1974, pp. 34–36)
- ▶ **coordination and head-complement**: Zimmermann and Amaechi (2020, sec 6.1)
- ▶ **head-complement and head-adjunct**: Ogie (2009)

Assumptions on SVC

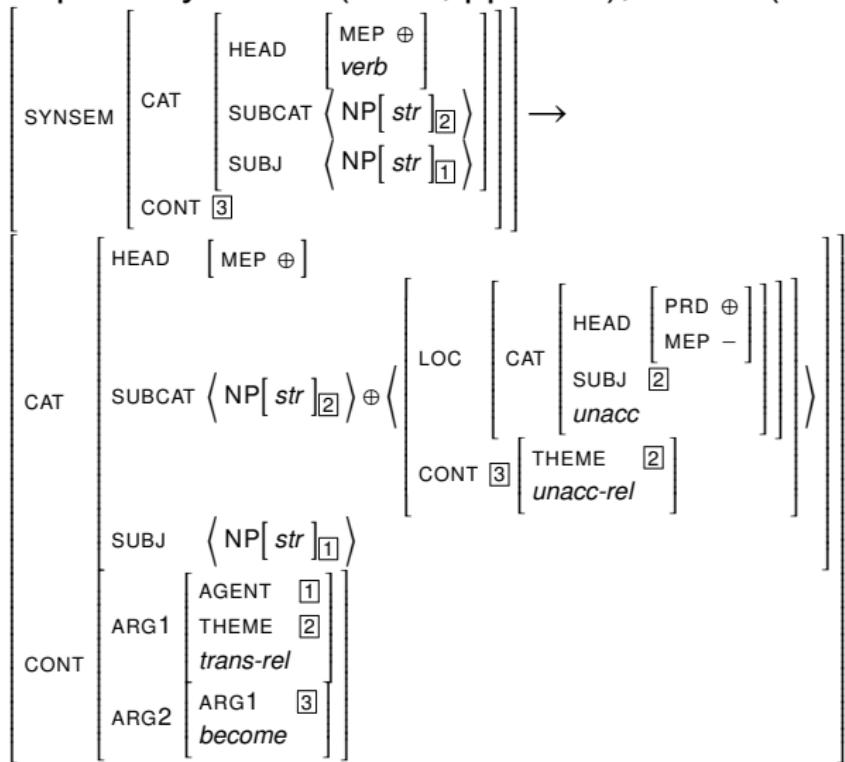
- ▶ SVC fall into different syntactic classes
- ▶ RSVC are head complement structures
- ▶ V which can occur in SVC are underspecified with respect to macro event property MEP (cf. Bohnemeyer, Enfield, et al. 2007, Bohnemeyer and Van Valin 2017)
 - ▶ as simple matrix context MEP+
 - ▶ embedded in SVCs verbs are MEP-
- ▶

Ingredients

1. Lexicon rule transforming $V_{trans} \langle NP_{AG}, NP_{TH} \rangle$ into $V_{trans-res}$ selecting for $\langle NP_{AG}, NP_{TH}, Pred \rangle$
2. Phrasal scheme combining complex predicate with predicate argument

Lexicon rule $V_{trans} \rightarrow V_{resultative-trans}$

Inspired by Müller (2002, pp. 241), Müller (2013, pp. 359):

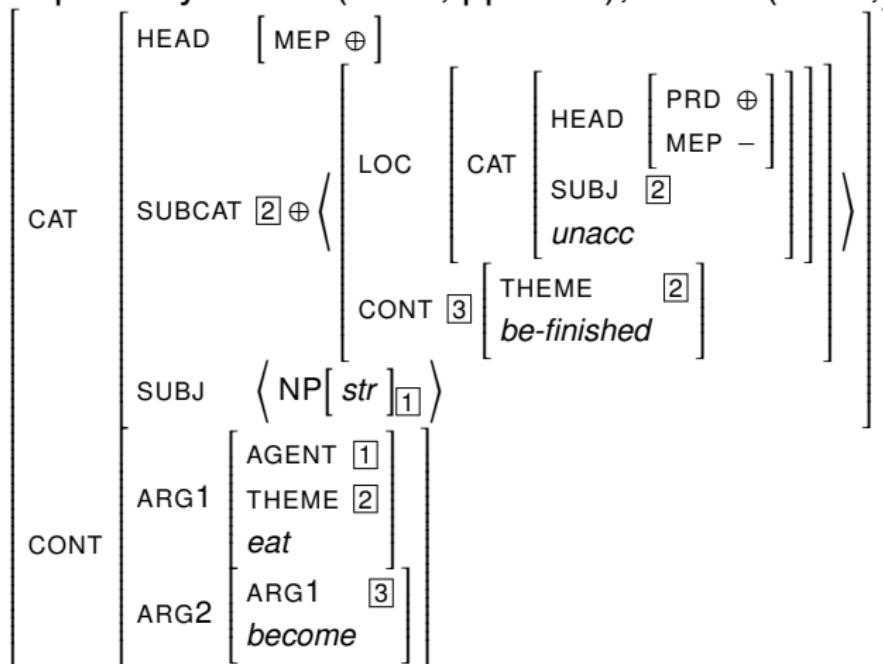


Lexicon rule $V_{trans} \rightarrow V_{resultative-trans}$ – comments

- ▶ Adding a predicate argument to the valency list of a transitive verb
- ▶ Common verbs do have the macro event property MEP
- ▶ Embedded unaccusative is MEP, its event can no longer be modified by negation, TAM

Lexicon entry RSVC *jé X tán* 'eat X finish'

Inspired by Müller (2002, pp. 242), Müller (2013, pp. 361):



► CONTENT of RSVC is CONTENT 7

-
-
-
-

Conclusions

- ▶ RSVC in Benue-Kwa are complex predicates derived from transitive *Vs*
- ▶ V_{trans} is the head
- ▶ The overall RSVC has the macro-event property MEP +
- ▶ The unembedded unaccusative has MEP -, no longer accessible for negation and TAM

Various SVCs with different structures

Assumption here:

- ▶
- ▶ SVC fall into different syntactic classes
- ▶
- ▶

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