

# Understanding Ghanaian sign language(s): history, linguistics, and ideology

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#### APPENDIX A

#### List of secondary data used in the study of chapter 2

#### Book

- 1. Agbenyega F. (n.d). Sign Language Course: Basic concepts about the deaf: Aspects of deaf culture, language, history and psychology. Unpublished training manual (Theory).
- 2. Foster, A. (Ed.). (1965). *A general view of the status of the deaf in Africa*. Proceedings of the 1st Annual Conference on the Education of the Deaf in Africa. Ibadan, Nigeria: Toyobo Printing Press<sup>130</sup>
- 3. Ilabor, E. (2010). Dr Andrew Jackson Foster: The father of Deaf education in Africa. Ibadan, Nigeria: Optimistic Press.
- 4. Kwaffo E.K. (1988). A comparison of the effectiveness of the use of oralism and the total system of communication in teaching the Ghanaian Deaf child in our schools. Unpublished Long Essay. Faculty of Education. Uni. of Cape Coast

#### Reports

1. Ghana Education Service\_SpeED. (2007, 27th November). Committee report on Common sign language usage in Special Schools for the Deaf in Ghana.

### Newsletter

- GNAD Newsletter (2016; 2012; 2010; 2009a; 2009b;2008a; 2008b; 2005a; 2005b; 2004; 2003; 1998). Bi-Annual publication of the Ghana National Association of the Deaf.
- Martey-Markwei A.(1989). Missing Link. *Radio and TV Times. Ghana Broadcasting Corporation*. VOL. 22. No. 2. September October. p 5. Ocloo R. Della. (2014 August 8th). Founder State School for the Deaf. The Mirror Newspaper. P40.

### **GNAD** pamphlet

- 1. Amenumey Godwin. (1988). Memorial service for the late Dr. Andrew Foster. Accra. GNAD.
- Ghana Mission School for the Deaf. (1958). Ephphatha Appeal Fund. Accra. The Advent Press
- 3. GNAD (2018). The Talking Hands: Our language, our pride. Unpublished pamphlet on GSL.
- 4. GNAD. (n.d.). Deaf Awareness Handbook. Unpublished handbook. Ghana National Association of the Deaf
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<sup>&</sup>lt;sup>130</sup> No longer in my possession. It was stolen.

Unpublish research.

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#### Lectures/Seminar paper

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- 4. Ocloo Seth. (1996). Sign language and the Deaf in Ghana. Seminar paper of Deaf Education and SL. Ghana. 2-7 September.
- 5. Ocloo Seth. (2007). Rev. Andrew Foster's work in Ghana, 1957 1965. GNAT conference\_50 years celebration of Deaf Education in Ghana. Oppong A. (1997). Rational for developing a Ghanaian Sign Language. April. Seminar paper on: Good leadership skills ensure effective organization. Organized by GNAD at Christian Village, Kumasi, Ashanti
- Pecku. N. K. (1979). History and Development of special education in Ghana. Seminar paper. Second Training workshop in the education and rehabilitation of the disabled. 29 July - 11 August. 1979. University of Cape Coast
- 7. Akach, P. (1996, 1-7 September). The Deaf as a Language Minority. Seminar on Deaf Education, Winneba, Ghana.
- 8. Akach, P. (1996, 1-7 September). The nature of human language. Seminar on Deaf Education, Winneba, Ghana.
- 9. Akach, P. (1996, 8-12 September). Dictionary Production. Seminar on Sign Language, Winneba, Ghana.

#### Letters

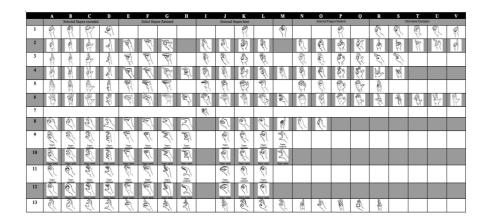
- 1. Amenumey Godwin. (1987, September 21st). [Letter to Ghana Education Division on the visitation of Foster for the 30<sup>th</sup> Anniversary of Deaf Education in Ghana]. Retrieved from A. Godwin's personal achieve.
- 2. Amenumey Godwin. (1987, October 28<sup>th</sup>). [Letter to Ghana Broadcasting Corporation] "In commemoration of 30th year anniversary of Deaf education in Ghana. Requesting permission to have copy of TV coverage of interview of Rev. Dr. Andrew Foster". Retrieved from A. Godwin's personal achieve.
- 3. Amenumey Godwin. (1988, January 15<sup>th</sup>). [Letter to Ghana Education Service on the demise of Foster]. "Obituary" Retrieved from A. Godwin's personal achieve.

- 4. Amenumey Godwin. (1988, February 18th). [Letter to Bertha Foster on the demise of Foster\_GNAD planning a memorial service in Accra]. Retrieved from A. Godwin's personal achieve.
- 5. Amenumey Godwin. (1988, April 6th). [Letter to Kojo Botsio on the demise of Foster]. Retrieved from A. Godwin's personal achieve.
- 6. Baden Edward. [1988, April 8th]. [GNAD's appeal for funds letter]. "Memorial service for the late Dr. Andrew Foster." Retrieved from A. Godwin's personal achieve.
- 7. Botsio Kojo. [1988, April 12th]. [Letter to Amenumey Godwin on the demise of Foster]. Retrieved from A. Godwin's personal achieve.
- 8. Fiaxe D. D. (Mrs). [1988, March 29<sup>th</sup>]. [Letter to all schools for the Deaf]. "Memorial service for the late Dr. Andrew Foster." Retrieved from A. Godwin's personal achieve.
- 9. Foster Berta. [n.d.]. [Letter to praying friends in Ghana after the demise of Foster]. Retrieved from A. Godwin's personal achieve.
- 10. Foster Faith (Miss). [1989, June 12]. {Letter to GNAD]. "Greetings from Nigeria". ]. Retrieved from A. Godwin's personal achieve.
- 11. Ghana Broadcasting Corporation. (1987, November 9<sup>th</sup>). [Letter to G. Amenumey]. "Requesting for video tape". Retrieved from A. Godwin's personal achieve.

#### APPENDIX B

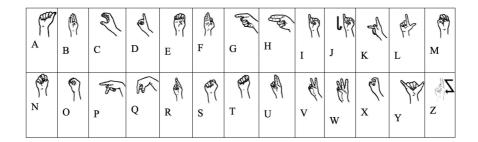
#### Handshape chat

The handshape chat is an adopted and modified version of the Hamburg Notation System for sign languages (HamNoSys)<sup>131</sup>, with added alphabets and numbers for referencing.



# GSL manual alphabet Chat

The GSL manual alphabet is identical to the ASL manual alphabet.



<sup>131</sup> https://www.sign-lang.uni-hamburg.de/dgs-korpus/files/inhalt\_pdf/HamNoSys\_Handshapes.pdf

# APPENDIX C

# GSL [GSL App] and ASL [Riekehof, 1978] "true friends" comparison with modified Swadesh list [73/88 =83%]

"True friends" are in bold text (e.g., **all**), while missing words are indicated with a strikethrough (e.g., snow).

1. all	26. grass	51. other	76. warm
2. animal	27. green	52. person	77. water
3. bad	28. heavy	53. play	78. wet
4. because	29. how	54. rain	79. <b>what</b>
5. bird	30. <del>hunt</del>	55. <b>red</b>	80. when
6. black	31.husband	56. right	81. where
7. blood	32. ice	57. river	82. white
8. child	33. <b>if</b>	58. <del>rope</del>	83. who
9. count	34. kill	59. salt	84. wide
10. day	35. laugh	60. sea	85. wife
11. <b>die</b>	36. <del>leaf</del>	61. sharp	86. wind
12. dirty	37. lie	62. short	87. with
13. <b>dog</b>	38. live	63. <b>sing</b>	88. woman
14. <b>dry</b>	39. <b>long</b>	64. sit	89. <b>wood</b>
15. <b>dull</b>	40. louse	65. smooth	90. worm
16. <del>dust</del>	41. man	66. snake	91. year
17. earth	42. meat	67. <del>snow</del>	92. yellow
18. <b>egg</b>	43. mother	68. stand	93. <b>full</b>
19. fat/grease	44. mountain	69. star	94. moon
20. father	45. name	70. stone	95. brother
21. feather	46. narrow	71. sun	96. cat
22. fire	47. new	72. <del>tail</del>	97. dance
23. <b>fish</b>	48. night	73. thin	98. <b>pig</b>
24. flower	49. <b>not</b>	74. tree	99. sister
25. <b>good</b>	50. <b>old</b>	75. vomit	100. work

# APPENDIX D

# GSL [GSL App] and ASL [signBANK] "true friends" comparison with modified Swadesh list [68/86 = 79%]

1. <del>all</del>	26. grass	51. other	76. warm
2. animal	27. green	52. person	77. water
3. <b>bad</b>	28. heavy	53. play	78. <b>wet</b>
4. because	29. how	54. <b>rain</b>	79. what
5. bird	30. <del>hunt</del>	55. <b>red</b>	80. when
6. black	31.husband	56. right	81. where
7. blood	32. ice	57. river	82. white
8. child	33. if	58. <del>rope</del>	83. who
9. count	34. kill	59. <b>salt</b>	84. <del>wide</del>
10. <b>day</b>	35. laugh	60. sea	85. <b>wife</b>
11. <b>die</b>	36. <del>leaf</del>	61. <del>sharp</del>	86. <b>wind</b>
12. dirty	37. <b>lie</b>	62. <del>short</del>	87. <b>with</b>
13. <b>dog</b>	38. <b>live</b>	63. sing	88. woman
14. <b>dry</b>	39. <b>long</b>	64. <b>sit</b>	89. <b>wood</b>
15. <b>dull</b>	40. <del>louse</del>	65. smooth	90. <b>worm</b>
16. <del>dust</del>	41. <b>man</b>	66. snake	91. year
17. earth	42. meat	67. <del>snow</del>	92. yellow
18. <b>egg</b>	43. mother	68. stand	93. <b>full</b>
19. fat/grease	44. mountain	69. <b>star</b>	94. moon
20. father	45. <b>name</b>	70. stone	95. brother
21. <del>feather</del>	46. narrow	71. <b>sun</b>	96. <b>cat</b>
22. <b>fire</b>	47. <b>new</b>	72. <del>tail</del>	97. dance
23. <b>fish</b>	48. night	73. <b>thin</b>	98. <b>pig</b>
24. flower	49. <b>not</b>	74. tree	99. sister
25. <b>good</b>	50. <b>old</b>	75. vomit	100. <b>work</b>
No.			

APPENDIX E
Haptic task objects used in the study of chapter 4

	2D Forms						
1.	Triangle	Н	8.00	cm	PYRA3		
		L	8.00	cm			
		Thickness	0.50	cm			
2.	Square	W	8.00	cm	BOX4		
		L	8.00	cm			
		Thickness	0.50	cm			
3.	Elipsoid	D	8.00	cm	BALL3		
		Thickness	0.50	cm			

3D Forms						
	Object	Dimensions			Code	Illustration
1.	Big cuboid	Н	5.00	cm	BOXB 1	
	Cuooia	W	6.00	cm	1	
		L	8.00	cm		
2.	Small cuboid	Н	1.00	cm	BOXS1	
	Cubbia	W	2.00	cm		
		L	3.00	cm		
3.	Tapered cylinder	Н	8.00	cm	CLY4	
	Cyllidei	Base D	6.00	cm		
		Apex D	1.00	cm		
4.	Hollow cuboid	Н	7.00	cm	BOX2	
	Cubbia	W	8.00	cm		
		L	13.00	cm		
5.	Hollow cylinder	D	6.00	cm	CLY2	
	Cymidei	Н	8.00	cm		
		Wall thickn	less 0,50	cm		

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6.	Cylinder	D	6.00	cm	CLY1	
		Н	8.00	cm		
7.	Hollow pyramid	Н	8.00	cm	PYRA2	
	pyrannu	Base W/L	6.00	cm		
		Wall thickr	ness 0,5 cm			
0	Damanaid				DVD A 1	
8.	Pyramid	Н	8.00	cm	PYRA1	
		Base W/L	6.00	cm		
9.	Curved	L	8.00	cm	BOX3	
	cuboid	W	6.00	cm		
		Н	5.00	cm		
10.	Curved				CLY3	
	cylinder	L/H	6.00	cm		
		D	6.00	cm		
11.	Big	D	10.00	cm	BALL	
	elipsoid	L	15.00	cm	B1	×
12.	Medium				BALL	
12.	elipsoid	D	6.00	cm	BALL B2	
	1	L	8.00	cm		10
					BALL M1	
13.	Small	D	2.00	cm	BALLS	
	elipsoid	L	3.00	cm	1	a
		L	3.00	CIII		10.
14.	Big	L	15.00	cm	BALL	
	potato	D	10.00	cm	B1	
					BALL	
1.5	Madiana				B2	
15.	Medium potato	L	9.2	cm	BALL M1	
	r	D	6.00	cm		

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16.	Small	·	2.00		BALL M2 BALL	
10.	potato	L D	3.00 2.00	cm cm	M2	
					BALLS 2	
17.	Big carrot	D	6.50	cm	CYLB6	
	•	L	25.00	cm		
18.	Small carrot	D	2.00	cm	CYLS6	
	currot	L	8.00	cm		
19.	Rod	Н	8.00	cm	CYL5	
		D	1.00	cm		
		Thickness	0.50	cm		

#### APPENDIX F

# LANGUAGE ATTITUDE, PERCEPTION AND USE QUESTIONNAIRE

Before you begin:

- Please provide your pseudonym assigned for this study.
- Please answer honestly to each of the statement with the following appropriate responds in relation to your personal experience
  - Feel free to also answer with explanation if you want.

Psei	udonym		
SEC	CTION 1 CTION 1 guage Background How many sign langu your answer?	ages do you think are in the	e world? Tell us more about
2.	How many sign langu	ages are used in Ghana? N	ame them?
3.		o you use most often. You nal sign, village sign langu	may list more than one (e.g., age)
	CTION 2 or thoughts about you	ur Language contact (plea	se by circling your answer)
Plea 4.	How often do you use	tement carefully before sel the media (television, inte language with Deaf Ghana b. Sometimes	rnet) to engage (watch, learn or
5.		the media (television, inte language with white/foreig b. Sometimes	rnet) to engage (watch, learn or gn or Deaf American? c. Often
<ul><li>6.</li><li>7.</li></ul>	a. Never	and use GSL dictionary or b. Sometimes and use ASL dictionary or b. Sometimes	c. Often

8.	When sending text messages to other deaf Ghanaians, do you make an effort for the syntax of your sentence to be exactly as English or GSL							
	a. Never	b. Sometimes	c. C	Often				
9.	When sending text m syntax of your senten a. Never		English or yo					
10.	Do you feel proud us: a. Never	ing GSL with othe b. Sometimes	_	lic? Often				
You	CTION 3 or thoughts about La ase indicate whether yo		ee with each s	statements				
11.	Knowing ASL can he a. Strongly agree disagree.	elp me get a good j b. Agree c. Uns		wing GSL Disagree	e. strongly			
12.	Ghanaian Sign Langua. Strongly agree disagree.				strongly			
13.	Please explain your a	nswer to question	12. Why do y	ou feel that w	ay?			
14.	American Sign Langua. Strongly agree disagree.		-	English Disagree	e. strongly			
15.	Please explain your a	nswer to question	12. Why do y	ou feel that w	ay?			
16.	If you use GSL you a considered as educate a. Strongly agree disagree.			t if you use AS Disagree	SL you are e. strongly			
17.	Sign Language is not be expressed using it	really a language	since it is not	every concept	t that could			

	a.	Strongly agree disagree.	b. Agree	c. Unsure	d. Disagree	e. strongly
18	3. Gha a.		•	true sign languag c. Unsure	ge of deaf people i d. Disagree	n Ghana e. strongly
19		f and not English		l rather be used a	as the language for d. Disagree	e. strongly
20		C	guage		af people in Ghana d. Disagree	have to leam e. strongly
21	l. Gha 1.				ican Sign Langua; d. Disagree	ge e. strongly
	ECTIC our th	ON 4 lought about Soc	ciocultural	view		
22	a. S	ctors need to find trongly agree b gree.			d. Disagree	e. strongly
23	spec a. S	of people must leadech community.  trongly agree bargree.	_	_	ow to speak becaus	e. strongly
24	a. S	good to be deaf trongly agree bagree.		_	aid. d. Disagree	e. strongly
25	alw a. S	of Ghanaian who ays successful in trongly agree b agree.	life.	Exact English o	or American Sign I	Language are e. strongly
26		of students who a	re fluent in	Ghanaian Sign L	anguage always fa	ail their

	a. Strongly agree disagree.	b. Agree	c. Unsure	d. Disagree	e. strongly
27.	If you have children a. Strongly agree disagree.			SL d. Disagree	e. strongly
28.	Interpreters and de a. Strongly agree disagree.	-	-	ventually cause Go d. Disagree	SL to die. e. strongly
29.	Deaf people who ca. Strongly agree disagree.		-	those who do not. d. Disagree	e. strongly
30.	Interpreters should missionaries in chr a. Strongly agree disagree.	urch or fron	n American Sign L		oreign e. strongly
31.	Deaf children musinternet or books. a. Strongly agree disagree.			ge from other dea	f and not fron
32.	It is acceptable for deaf people. a. Strongly agree			d. Disagree	from foreign e. strongly
33.	disagree. It is important that teachers. a. Strongly agree disagree.			d be taught by onl d. Disagree	y deaf e. strongly
34.	Please explain you	ir answer to	question 33. Why	do you feel that w	vay?
	CTION 5 ir thoughts about	Language 1	Usage		

35. It is important to use Sign Exact English in the classroom for deaf students in

Ghana.

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	a. Strongly agree disagree.	b. Agree	c. Unsure	d. Disagree	e. strongly
36.	It is important for a. Strongly agree disagree.		ians to use AS c. Unsure	L with other Deaf Gh d. Disagree	nanaians e. strongly
37.	Is important to lea a. Strongly agree disagree.			/white deaf people. d. Disagree	e. strongly
38.		ıst not leam	new signs fro	m foreign/white deaf	people so that
	GSL can be pure. a. Strongly agree disagree.	b. Agree	c. Unsure	d. Disagree	e. strongly
39.	Using American S education.	ign Langua	ge give you a	better chance to furth	er your
	a. Strongly agree disagree.	b. Agree	c. Unsure	d. Disagree	e. strongly
40.	Using Sign Exact a. Strongly agree disagree.			chance to further you d. Disagree	
41.	_		ot good for Un	iversity Education be	cause it only
	has limited vocabu a. Strongly agree disagree.		c. Unsure	d. Disagree	e. strongly
42.	Do you know about who use American			r deaf Ghanaian and i	nterpreters
43.	How do you feel a schools?	bout Ghana	adopting the	use of American Sign	Language in
44.	What do you think	about the i	dea of Deaf pe	eople using Sign Exac	et English?

45. What are some of the factors you think motivates Deaf Ghanaians American Sign Language from books, internet or foreign/white pe						
46.	What do you think motivates interpreters in Ghana to learn American Sign Language?					
47.	Where and how often do you see ASL being used by deaf people in Ghana					

4/.	where and how	often do you se	e ASL being used	i by deaf people in	Gnana

Where	Always	Often	Sometimes	Rarely	Never
At my home					
At friend's home					
At school					
At work					
At church					
On television					
During					
ceremonies (e.g.,					
weddings,					
funerals)					
At GNAD offices					
At conferences					
At sporting events					
Meeting friends					
on the street					
Interpretation					
service (e.g.,					
hospital, bank)					
Others, please					
specify.					

(please tick in the box your response)

48. Where and how often do you see GSL being used by deaf people in Ghana (please tick in the box your response)

Where	Always	Often	Sometimes	Rarely	Never			
At my home	iiiways	Ontin	Sometimes	rearery	1,0,01			
At friend's home								
At school								
At work								
At church								
On television								
During								
ceremonies (e.g.,								
weddings,								
funerals)								
At GNAD								
offices								
At conferences								
At sporting								
events								
Meeting friends								
on the street								
Interpretation								
service (e.g.,								
hospital, bank)								
Others, please								
specify.								
				1				
49. Any other inform	nation you we	ould like to	share about you	r percention	s and			
views on sign lar			snare acout you	n perception	o una			
VICWS OIL SIGHT ICH	iguage iii Gii	unu.						
50. What are thought	about Deaf	education in	Ghana. You ca	an reflect on	your time			
-								
	in school and the current situation now. What change(s) have you observed, or suggestion would like to make							
Suggestion would	inc to make							

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