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2 **A tribute to M.A.K.Halliday**

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14 Abstract:

15 M.A.K. Halliday

16 The tribute below commemorates the life and work of Michael Alexander Kirkwood Halliday  
17 by offering a brief biographical sketch, by reviewing his work in terms of key concepts and  
18 methodological development, and by highlighting his perspective on the dialectical  
19 relationship between theory and application, so fundamental for his approach to linguistics.  
20 An attempt will finally be made to assess his contributions to linguistics and to bring out his  
21 general underlying socio-cultural commitment visible in his advocacy of an “appliable  
22 linguistics”.

23 **1. Life and Work<sup>1</sup>**

24 1.1 Biographical background

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<sup>1</sup> Many of the works referred to here are available in the altogether 11 volumes of collected works of Halliday, edited and made accessible by Jonathan Webster and Bloomsbury-Continuum between 2002 and 2017.

25 We shall restrict ourselves here to essential stages of Halliday's life as a background to his  
26 work in linguistics. Longer and more detailed biographies can be found in several places.  
27 The account given below has as its main background Webster's excellent biography of  
28 Halliday (Webster. ed. 2015: 3-16), as well as my own personal conversations with Michael  
29 Halliday between the mid-1980s and his passing away in April 2018. Comprehensive  
30 background material is also accessible in Martin ed. 2013.

31 Halliday was born in Leeds, Yorkshire (England) on 13 April 1925 to his mother, a teacher of  
32 French, and his father, a teacher of English with a profound interest in grammar and  
33 literature. Halliday's school experience involved classical texts and classical history, while  
34 English literature provided the only formal contact with the language of more recent periods.  
35 His own personal interests centered around China and around language. In early 1942, he  
36 entered the national services' foreign language training course (established at the advice of  
37 J.R. Firth) and qualified for intensive training in Chinese. After 18 months' training, he  
38 entered the services, taught members of the army in Britain and then did a year of service in  
39 India with the Chinese Intelligence Unit in Calcutta. The political background to all this was  
40 Britain's engagement in the war in Asia, especially against Japan and its occupation of large  
41 parts of China. From 1945-1947, he taught Chinese to members of the army back in London.  
42 These courses were organized at the School of Oriental and African Studies (SOAS), where  
43 he both taught others and participated in formal studies of Chinese in the Chinese  
44 Department. His academic interest in linguistics thus was embedded in his experiences as a  
45 teacher of Chinese. During that same time, he also studied Russian in London. When he  
46 won a British Government grant for ex-servicemen to complete his higher education, he used  
47 this to travel to Peking (Beijing), where he studied Chinese at Peking University, at the same  
48 time teaching English to Chinese students. In June 1948, he successfully completed the  
49 University of London examination on Modern Chinese (language and literature) in Nanking,  
50 after which he took a job in China working for the Chinese Industrial Cooperatives in the  
51 remote rural north of Western China for about 4 months. He then received a scholarship from  
52 England for doing 2 more years of postgraduate study of Chinese. The application for that  
53 scholarship had in fact been made by Professor Eve Edwards, head of the Chinese  
54 Department at SOAS, due to Halliday's excellent results in his examinations. He pursued his  
55 studies of Chinese at the University of Peking, initially focusing on historical studies and  
56 Sino-Tibetan Studies, but later on with a re-adjusted focus on modern Chinese dialects in  
57 Lingnan University (nowadays Sun Yat-sen University) in Canton (Guangzhou). Theoretical  
58 influences during that time included Chinese linguistics, some Russian linguistics, but also

59 general linguistics from J.R. Firth, whom he somewhat later came in contact with in London.  
60 These years in China were complicated politically and in terms of everyday life due to the  
61 civil wars between nationalists and communists. Travel between Peking and Guangzhou  
62 was difficult and dangerous, but Halliday still managed to do intensive comparative studies  
63 on Mandarin vs. Cantonese Chinese and the strongly varying dialects in the Pearl River  
64 Delta around Guangzhou under Professor Wang Li. In 1950, he had to go back to England to  
65 complete his PhD, but was not admitted to SOAS due to his suspected sympathies for  
66 communism. This was the period of McCarthyism, so he had to affiliate himself with the  
67 Chinese department at Cambridge where a more liberal attitude was adopted. This affiliation  
68 with Cambridge was not in itself a problem, but Cambridge at the time had classical Chinese  
69 studies only, and Halliday's intended supervisor Firth was at SOAS in London. So, his  
70 supervisor Gustav Haloun, Professor of Chinese at Cambridge, suggested that Halliday work  
71 on the C14 Chinese translation of the so-called *Secret History of the Mongols*, a historical  
72 Mongolian biography of Genghis Khan, the earliest known longer text in Mandarin Chinese.  
73 After Haloun's unexpected death in 1950, Halliday remained inscribed at Cambridge, yet  
74 under the external supervision of J.R. Firth. His PhD-analysis of the *Secret History of the*  
75 *Mongols* thus came under the methodological influence of Firthian linguistics, although  
76 Halliday's "Systemic Linguistics" published in 1961 as *Categories of the Theory of Grammar*  
77 represented a further development beyond Firthian linguistics in some respects. During the  
78 time at Cambridge, Halliday closely interacted in his work with colleagues in the Linguistics  
79 Group of the British Communist Party, which provided another formative context for his  
80 theoretical development. They were particularly interested in non-standard varieties (dialects,  
81 spoken language, colloquial rather than formal language, everyday rather than literary,  
82 minority rather than majority languages) and in modern rather than classical languages more  
83 generally. At the same time, Halliday's engagement with Communist activities was critical  
84 rather than passively accepting: he certainly saw language not as a passive reflection of  
85 reality, but as a semiotic reality which in turn can become a formative force in cultural and  
86 social development. "Condensed into one short paragraph, our own point of departure is the  
87 following: Language evolved, in the human species, in two complementary functions:  
88 construing experience, and enacting social processes..." (Halliday and Matthiessen 1999:  
89 xi). The quality of "construing experience" certainly gives a much more active place to  
90 language than we usually find in some deterministic-materialist versions of Marxism –  
91 wrongly associated with Marx's philosophy, I believe. The quality of "enacting social  
92 processes" refers to the function of language to constitute and bind together social

93 formations, something clearly associated with a dialectic Marxist view on language. Halliday  
94 has sometimes referred to his position as one of “mild materialism” in personal  
95 communication, which I think is a valid characterization. Halliday’s solidarity with Marxism  
96 was a critical one, hence his leaving the Communist Party of Great Britain after its failure to  
97 critically position itself vis-à-vis Russia’s invasion of Hungary in 1957 (Martin ed. 2013: 133  
98 fn. 5).

99 After applying unsuccessfully for a position in Firth’s department at SOAS in 1952, he was  
100 appointed as Assistant Lecturer in Chinese at Cambridge University in 1954 where he  
101 submitted his PhD-thesis at the end of that year. The theoretical underpinning and extension  
102 of Firthian linguistics appeared only in 1961 (Halliday 1961), without Firth having seen a final  
103 version. Systemic Linguistics in this 1961 version was, while being basically Firthian, at the  
104 same time more comprehensive than anything Firth had produced about the theory of  
105 grammar. The development towards a comprehensive model of language continued towards  
106 the Systemic Functional Grammar (SFG) and ultimately Systemic Functional Linguistics  
107 (SFL) of later years. The comprehensiveness of Halliday’s model, its emphasis on the  
108 paradigmatic (systemic) axis and its specific modelling of the (meta-)functional diversification  
109 of language from lexicogrammar through semantics and into context do not contradict any of  
110 Firth’s basic views on language, but they are much more detailed and explicit than anything  
111 Firth was able to produce at his much earlier stage of linguistic theorizing.

112 Halliday’s time at Cambridge also saw his involvement in machine translation, which  
113 however remained a marginal activity for him. Much more central to the development of his  
114 ideas was the idea of “register”, related to Firth’s notion of a “restricted language” and to the  
115 Marxist interest in language variation and in technical registers in particular. Halliday moved  
116 to the University of Edinburgh as a lecturer in general linguistics in 1958, which meant a  
117 move away from the dominance of work on Chinese towards applications of linguistics to  
118 English teaching. The Edinburgh environment was one in which theory and practice met in a  
119 mutually enriching perspective, and it was also one in which his getting acquainted with the  
120 socio-linguistic work of Basil Bernstein became a strong momentum towards further  
121 development of some socio-linguistic aspects of his work. In the same context he met  
122 Ruqaiya Hasan, who moved to Edinburgh in 1960, became one of Halliday’s first doctoral  
123 students and later on his wife. From 1963 onwards, they both worked in the Nuffield/ Schools  
124 Council Program in Linguistics and English teaching in London, with Halliday as Director of  
125 the Communication Research Centre at University College London. This work, and his

126 involvement in the project into “Linguistic properties of scientific English” provided a decisive  
127 context for the further development of Systemic Linguistics reflected in Halliday 1967-68, a  
128 landmark publication at its time as far as a multifunctional approach to language, and as far  
129 as “participant roles” and “thematic/ information structure” as linguistic concepts were  
130 concerned. Halliday’s model of 1961, which was still relatively Firthian, but with an emphasis  
131 on the “System” over “Structure”, began to develop into “Systemic *Functional*/Linguistics”,  
132 thus specifying a generalized multi-functional view on language in terms of *ideational*,  
133 *interpersonal and textual* dimensions where earlier versions and certainly Firth’s work had  
134 still been programmatic. From 1965 he became head of department of General Linguistics  
135 at University College London, which he then left following a call to the University of British  
136 Columbia. Yet, he was prevented from taking office by a refusal of the Canadian government  
137 to grant him entry. The following period without a position in academia until late in 1971 gave  
138 him time to record the material and produce a description and analysis of the language  
139 development of their new born son, later published as *Learning how to mean*. The time  
140 between 1971 and 1976 saw him (and Ruqaiya) in visiting appointments at Brown University,  
141 University of Nairobi; in a fellowship at the Centre for Advanced Study in the Behavioral  
142 Sciences on the UC Stanford Campus; the University of Illinois, Chicago Circle; and the  
143 University of Essex. From 1976 onwards, he was Foundation Professor of Linguistics at the  
144 University of Sydney until his retirement in 1987. During the 1980s he was also involved in  
145 the text generation project “Penman” at the Information Sciences Institute at the University of  
146 Southern California in Los Angeles, later on also with the COBUILD-project at the University  
147 of Birmingham in England. For another 30 years after retirement, Michael Halliday remained  
148 highly active in invited visiting positions all around the world, China in particular. There is a  
149 constant stream of publications by him right until the time of his death. He passed away in  
150 Sydney, close to his last home in Manly/ Sydney, on 15 April 2018, following his colleague  
151 and beloved wife Ruqaiya Hasan, who had passed away on 24 June 2015.

152 Halliday was a fellow of the Australian Academy of the Humanities and of other academies  
153 (cf. Webster 2015. ed.: 14), as well as a recipient of numerous awards and honorary  
154 doctorates around the world.

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156

157 1.2. Key concepts and methodology

158 This section will highlight the development of key concepts and methodology in Halliday's  
159 work, while the following one will identify key working contexts for what he calls *applied*  
160 *linguistics*, particularly in his later years. This concept of *applied linguistics* is of central  
161 importance for an appreciation of Halliday's work:

162            "... I am talking about a general characteristic of a theory, not its application 'to' this or  
163 that particular issue....An applied linguistics is a way of thinking about language: that is, its  
164 immediate scope and context of application. But to be applicable to real-life situations and  
165 real-life tasks, it has to be good to think with..." (Halliday 2010:128 and 141, respectively).

166            From this general perspective on linguistic theory there follows one fundamental  
167 methodological principle of his work: theory and application go hand in hand, mutually  
168 influencing and guiding each other. Any sharp division between "theoretical" and "applied",  
169 as it is wide-spread in many academic settings, is detrimental to the type of linguistic theory  
170 he had in mind.

171            While Halliday's work biographically started with descriptive work on classical  
172 Chinese and a few publications on varied other topics such as linguistic input to machine  
173 translation and a "mechanical thesaurus", a first programmatic and fairly comprehensive  
174 formulation of his views is his 1961 *Categories of the Theory of Grammar*. In this widely  
175 discussed paper, he outlined essential categories of his "Systemic Linguistics", later on  
176 "Systemic Functional Linguistics (SFL)". Together with a few other papers in the journals  
177 *Linguistics* and *Journal of Linguistics* within the following years (all usefully collected and  
178 edited in Vol. 1 of Webster 2002-2017), he thus presents his model of language in an early  
179 form, opening in the modest and co-operative fashion typical of Halliday (Webster ed. 2002-  
180 2017, Vol. 1: 37):

181            *There have been in the main two approaches to description in modern linguistics: the*  
182 *"textual" and the "non-textual or, for want of a better word, "exemplificatory". More recently, a*  
183 *third has been added... the "generative". Some linguists have gone so far as to suggest that*  
184 *transformative generation should replace other types of making statements about language.*  
185 *Others, myself included, feel that all three approaches have a fundamental place in*  
186 *linguistics: that they do different things, and that the third is a valuable supplement to the first*  
187 *two.*

188 He does go on to say, though, that he is not offering yet another set of guidelines for  
189 language descriptions, but that part of general linguistic theory which is concerned with how

190 language works at the level of grammar. Somewhat later (p.40) he makes a statement which  
191 links up surprisingly well with contemporary and current information-theory based  
192 approaches:

193           *Language has formal meaning and contextual meaning. Formal meaning is the*  
194 *“information” of information theory... Contextual meaning, which is an extension of the*  
195 *popular – and traditional linguistic – notion of meaning, is quite distinct from formal meaning*  
196 *and has nothing whatever to do with “information”.*

197 This connection of formal meaning with information theory (nowadays a core idea of  
198 *Distributional Semantics* e.g. Boleda and Herbelot 2016) is not surprising for those who are  
199 aware of the legacy left by J.R. Firth to the thinking of Halliday. However, it should also be  
200 clear that Systemic, and much more so later Systemic Functional Theory, belong into the  
201 family of symbol-processing based approaches and in that respect are methodologically very  
202 different from the extreme “bottom-up empiricism” of information theory in some of its  
203 applications to natural language (cf. Gleick 2011, Hale 2016). But it is a fundamental  
204 principle of Halliday’s linguistics that it recognizes both “formal” and “contextual” meaning,  
205 which between the 1960s and the early 2000s was very rare in linguistics.

206 Halliday’s “Systemic Linguistics” gradually grew into “Systemic Functional Linguistics” (SFL)  
207 with “Systemic Functional Grammar” (SFG) as its grammatical core through the development  
208 of several functional layers in parallel with the structural categories (units) of his 1961  
209 version. Phrase Structure is mapped onto three functional layers, the “(ideational,  
210 interpersonal and textual) metafunctions”. This development, as formulated in Halliday’s  
211 widely-read 1967-68 “Notes on Transitivity and Theme in English” and in his 1970 “Language  
212 Structure and Language Function”, was substantially further developed in the various  
213 versions of his “Introduction to Functional Grammar” and in Halliday and Matthiessen 1999  
214 for ideational meaning. The entire model is labelled “multifunctional”, because the functional  
215 structure of language is conceived along 3 major dimensions, or functional components:  
216 ideational, interpersonal and textual. These dimensions cover what in other linguistic theories  
217 would be accounted for as logico-semantic, interactive and information structural dimensions,  
218 to use somewhat theory-neutral terms. The basic assumption of a multifunctional analysis is  
219 thus shared with other functional linguistic schools, the particular combination of functions  
220 and their systematic relationship to other linguistic levels including context may be specific to  
221 Halliday’s Systemic Functional Linguistics (SFL). The levels/ strata of language (Phonetics,  
222 Phonology, Lexicogrammar, Semantics, Context) are related through a scale of “abstraction”.

223 Other scales of abstraction (rank, delicacy and exponence) are methodological tools for  
224 relating categories within levels/ strata to each other, and all of these to their instantiations.  
225 “Rank” is similar to levels of projection in Chomskyan syntax, “delicacy” means different  
226 degrees of specification within one level, and “exponence” means instantiation from  
227 categories at each level to their instances.

228 Within this multifunctional approach, Halliday’s work on phonology usually has a strong  
229 relationship to grammar and thus largely falls into what elsewhere would be called  
230 “information structure”. Although there are some more strictly phonological works on English  
231 and Chinese (cf. Collected works in Webster 2002-2017 Vols. 7 and 8), possibly his  
232 strongest influence on phonological thinking as a whole is his modelling of the interface  
233 between grammar and intonation, and here particularly in “Theme and Information  
234 Distribution”, as he often called it (Halliday 1967, Halliday and Greaves 2008). His ‘Notes on  
235 Transitivity and Theme in English’ 1967-68, with due acknowledgement of earlier Prague  
236 School work, count among the earliest attempts in linguistics at formulating a basic  
237 framework for information structure and its interface to grammar, remaining a reference point  
238 for linguistic discussions for decades.

239 Halliday’s comprehensive account of *Cohesion in English* (together with Hasan 1976) was,  
240 again, a milestone at its time and has remained a highly successful reference work since  
241 then. Their treatment was one of the very first of its kind, closing a serious gap in the  
242 description of English (cf. Randolph Quirk in his foreword to the book) and covering the key  
243 cohesive mechanisms of reference, substitution, ellipsis, conjunction and lexical cohesion for  
244 English. It is a textbook in the sense that it arose out of work by both authors in applications  
245 to language teaching and thus does not exclusively address the linguistic research  
246 community – in the light of which fact it is all the more remarkable that it has remained one of  
247 the standard works on text linguistics. In Halliday’s own work, cohesion remained the non-  
248 structural (i.e. non-grammaticalized) resource of texture, alongside the grammaticalized  
249 resources of *axis*, *theme* and *information* (Halliday and Matthiessen 2014: 651ff), somewhat  
250 different from the version of SFL in Martin 1992, where cohesion forms a sort of backbone for  
251 a discourse semantics.

252 One of the key characteristics of Halliday’s work on language is the integration of *Context of*  
253 *Culture* and *Context of Situation* into linguistic analysis. Early programmatic formulations can  
254 be found in Halliday et al 1964, referring back to his theoretical predecessors Malinowski  
255 1935 and Firth 1968. More specific modelling is proposed in Halliday and Hasan 1985 and



256 more recently in Halliday and Matthiessen 2014:31-48. The analysis of *contextual*  
257 *configurations* in terms of *field, tenor and mode*, classically in alignment with the  
258 metafunctions *ideational, interpersonal and textual* has become a standard in much work on  
259 context and “register”. These contextual configurations are very close methodologically to the  
260 notion of *situational characteristics of registers* (Biber and Conrad 2009: 40ff), whereas  
261 Halliday’s *register* (cf. below) is close to their *linguistic characteristics of register*. The  
262 alignment between contextual configurations and semantic/ lexicogrammatical metafunctions  
263 in Halliday is what Biber and Conrad postulate as the functional forces that explain why given  
264 linguistic features tend to be associated with situational characteristics. For Halliday, *context*  
265 is a key notion, and linking analyses of context with the language-internal levels of semantics  
266 and lexicogrammar is a key methodological step in the architecture of his SFL.

267

268 The *register* itself is the linguistic (semantic, and through this ultimately lexicogrammatical,  
269 and phonological) expression associated with a given contextual configuration.<sup>2</sup> *Register* is  
270 thus functional variation in language, an area in which Halliday has inspired a rich tradition of  
271 investigations into linguistic varieties (scientific writing (Halliday and Martin 1993), a whole  
272 range of registers of English and occasionally other languages (e.g. Ghadessy and Halliday  
273 eds. 1988 and later, Hansen-Schirra, Neumann and Steiner 2012, Neumann 2014, Kunz et  
274 al 2017). Work on register in Halliday’s tradition can be closely compared to work by Biber  
275 and associates, arguably with more elaborate linguistic modelling behind it, but less  
276 statistical refinement in some variants.

277

278 In any account of the work of Halliday, his continuously expanded *Introduction to Functional*  
279 *Grammar* (IFG) in several versions from 1985 to 2014 has to be given a central place: the  
280 first two editions 1985 and 1994 have Michael Halliday as a sole author, whereas the much  
281 extended versions of 2004 and 2014 give credit to Christian M.I.M. Matthiessen as a reviser.  
282 The first and second editions were intended both as an introduction to Systemic Functional  
283 Theory of Grammar, and as an introduction to the functional description of English. With  
284 edition number 3, IFG became “...more of a reference work and less of a beginner’s book.”  
285 (Halliday and Matthiessen 2014: XIV), adding a systemic (paratactic) dimension to the  
286 dominant functional-structure account in editions 1-2, thus broadening its scope and using

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<sup>2</sup> Note that in the variant of SFL represented in Martin 1992 etc., the context itself is stratified into *register* and *genre*

287 substantially more corpus material for illustrations and motivations. The increased systemic  
288 dimension has substantial input from Matthiessen (1995), which in turn is influenced by  
289 Halliday's earlier work (Halliday and Matthiessen 2014: XIV). There is also a stronger link  
290 than before between contextual variables, text-types/ registers and the textual presentation  
291 of the book, and there are more extensive points of reference to non-SFL work. The  
292 organizing concepts of IFG are those of the metafunctional organization of grammar, the  
293 clause, its ranks, its complexing (taxis), cohesion and finally the link between grammar and  
294 semantics through grammatical metaphor, another important concept of Halliday's work.

295 From the first version 1985 onwards, IFG had a chapter on "grammatical metaphor". The  
296 term refers to what in other schools of linguistics is usually covered as the mapping of  
297 semantics and grammar onto each other (cf. Halliday and Matthiessen 1999: chapters 6 and  
298 10ff, Goldberg 1995, Haspelmath 2003), with grammatical alternations and nominalizations  
299 providing typical examples. Grammatical metaphor is the mapping of one semantic  
300 configuration onto different grammatical constructions. Mappings which are direct/ literal are  
301 called "congruent", other mappings being "indirect/ non-literal/metaphorical". Grammatical  
302 metaphor is thus the reverse of lexical metaphor, the latter usually understood as the use of  
303 some word in a non-default (though in some sense related) meaning (Halliday 1985: 320). In  
304 Halliday's work, grammatical metaphor is crucially related to ontogenetic, phylogenetic and  
305 logogenetic development in language use, where, broadly speaking, metaphorical variants  
306 occur later than non-metaphorical or congruent ones. It also forms a decisive link between  
307 (clause-)semantics and lexicogrammar, and it is used as a key explanatory device in  
308 relating texts and discourses along the dimensions of *density, directness and explicitness of*  
309 *encoding* ((Halliday and Matthiessen 2014: chapter 6 and pp.692f; Hansen-Schirra,  
310 Neumann and Steiner 2012: chapters 4 and 14 for modelling translation).

311 The following examples (1)-(2) from Halliday and Matthiessen 1999: 229 illustrate  
312 grammatical metaphor and the key properties just mentioned:

313 (1) *The cast's brilliant acting drew lengthy applause from the audience.*

314 (2) *The cast acted brilliantly, so the audience applauded for a long time.*

315 Of these examples, (1) is *metaphoric*, (2) is *congruent*. (1) is *denser* than (2) by  
316 mapping the (approximately same) ideational meaning onto fewer grammatical  
317 constituents of higher ranks. (1) is *less direct* than (2) by mapping logico-semantic

318 meaning onto a verb phrase (*drew*), processes onto nouns (*acting*), and  
319 circumstantial meaning (*lengthy*) onto adjectives, and their phrases, respectively. (1)  
320 is, finally, less explicit than (2) because of fewer encodings of time, aspect, mood and  
321 its indirect encoding of causation.

322

323

324

325 Halliday's more general views on language and human consciousness are represented in  
326 Volume 3 of his collected works thus reflecting his engagement with discourse across  
327 disciplinary boundaries. One of the most comprehensive formulations can be found in his  
328 1995 'On Language in Relation to the Evolution of Human Consciousness', where he  
329 considers the specifically human aspects of the brain, aligning his views with those of bio-  
330 chemist and neuro-scientist Gerald Edelman's theory of "neural Darwinism", and with work  
331 by the socio-linguist Basil Bernstein, the linguist John Ellis, the physicist and educationist Jay  
332 Lemke and computer scientist Michio Sugeno ("fuzzy computing") in a strong anti-mentalist  
333 statement. He develops global views on language as a fourth-order (semiotic) system in the  
334 sense of general systems theory: observable systems in a bottom-up perspective include  
335 physical, biological, social and semiotic systems, with language belonging into the fourth type  
336 (Halliday 2003:2). This general view also underlies the comprehensive model of "experiential  
337 and logical meaning" published in Halliday and Matthiessen 1999 *Construing Experience  
338 Through Meaning. A Language-based Approach to Cognition*, a substantial work intended as  
339 a contribution towards creating a bridge between SFL and Cognitive Linguistics, which,  
340 however, was not as widely discussed outside the SFL community as it would have deserved  
341 it.

342 We have attempted in section 1.2. a review of some key concepts developed by Halliday for  
343 understanding language, and of the methodological principles for relating these concepts to  
344 each other and to their instantiations, the data. In a global perspective, Halliday's approach is  
345 *systemic* in that it gives priority to the system (paradigm) rather than the structure (syntagm)  
346 of linguistic units. Technically, this prioritizes (phonological, grammatical, semantic,  
347 contextual) features over the units / structures in which they get realized, not unlike in  
348 unification-based frameworks such as *Head-Driven Phrase Structure Grammars* of the 1980s  
349 and 90s (Pollard and Sag. 1987) or *Sign-based Construction Grammars* of later years (Boas

350 and Sag 2012). SFL-modelling is usually less formalized, however, than the approaches  
351 mentioned here for comparison, especially as far as notions of “structure” are concerned.  
352 Halliday’s approach is *functional*, not unlike other functional approaches to language (cf.  
353 Butler 2003), in that it assumes several layers of abstract (grammatical, semantic,  
354 contextual) functions language-internally, and in that it subscribes to the belief that these  
355 abstract functions are the historical products of the functions language use has in a socio-  
356 culture. The section below will highlight some important contexts of application, out of which  
357 Halliday’s concepts and methods arose, illustrating them with further influential pieces of  
358 work.

359

360

### 361 1.3 Theory and application

362 Halliday’s Systemic Functional Linguistics is built on the principle that theoretical  
363 development should be grounded in and motivated by questions and problems arising in its  
364 socio-cultural environment. This grounding and motivation must not be misunderstood as  
365 deterministic constraints: methods and solutions arising out of theoretical development will  
366 frequently be partial or insufficient, or they may transcend questions and problems originally  
367 motivating it. This entails a sort of “dialectic” between openness of theoretical development  
368 on the one hand, and Halliday’s view that linguistic theory should be “applicable” and be  
369 driven by theoretically significant guiding applications on the other. “There were four main  
370 strands in my own personal background whereby language came to stand out in focus of  
371 attention: literature, foreign language learning and teaching, machine translation, and the  
372 broad issue of undervalued languages and varieties.” (Halliday 2010:128). Halliday viewed  
373 the relationship between theory and application as a dialectical one: for him application was  
374 blind without theoretical foundation, just as theoretical development was sterile and in danger  
375 of losing focus without relevant application.

376 Among the most obvious, immediate applications of linguistics are descriptions of languages.  
377 In Halliday’s case, this initially meant descriptions of classical Mandarin Chinese (1959), but  
378 also modern Chinese grammar, phonology and discourse phenomena. In subsequent  
379 phases of his work, he published numerous descriptions of areas of English grammar, and  
380 very prominently his initially textbook-like *Introduction to Functional Grammar* (1985), which  
381 has since grown to a very detailed and theoretically-guided comprehensive description of

382 English (Halliday and Matthiessen 2014). We have already mentioned his work on the  
383 multifunctional structure of the English clause (1966-1968), one of the first attempts of its  
384 kind, but he also produced work on word order, intonation and lexis. In his descriptive work,  
385 he developed his analytical methodology from the early scale-and-category-model to the  
386 later multi-stratal and multifunctional model that we see in his writings already from the late  
387 60s onwards.

388 Another source of theoretical development for him was the analysis of (literary and everyday)  
389 texts, for example in his “Linguistic Function and Literary Style: An Inquiry into the Language  
390 of William Golding’s *The Inheritors*”, in which he attempted to show in which sense linguistic  
391 patterns can be significant for poetry or prose. Yet linguistic analyses are relevant for  
392 discourse analysis in general, as he showed in his 1992 “Some lexicogrammatical features of  
393 the *Zero Population Growth Text*”. Of particular relevance also was translation: apart from an  
394 early involvement in machine translation, Halliday used human translation as a context for  
395 modelling relationships between texts, such as “equivalence and variation”, but also for  
396 modelling the evaluation of texts. Halliday et al 1964 (1,5) already modelled translation within  
397 the then established “Systemic Linguistics”, and Halliday returned to models of translation  
398 and of translation evaluation in some of his later writings (cf. Halliday 2001, 2009, 2012).  
399 These text analyses had considerable influence in the communities of literary scholars,  
400 discourse analysts and translators, but in their reflections back onto developments of theory  
401 and method, they were important for focusing on certain areas of the linguistic system, and of  
402 taking textual phenomena, such as frequencies and proportionalities of constructions, into  
403 account.

404 And then there was the important area of language teaching providing a context of  
405 development for his theory, both as first- and second language teaching. His highly  
406 significant contributions to *The Linguistic Sciences and Language Teaching* (1964) have been  
407 a major point of reference for language teachers and translators, but also a major early  
408 source for the development of the SFL-key concept of “register”, so influential in relating  
409 language variation to contexts of use. His 1990 paper *Literacy and Linguistics: A Functional*  
410 *Perspective*, published in a revised version in Vol. 9 of his collected works (2007), shows his  
411 influential attempt at addressing key concepts of education from a functional linguistic  
412 perspective, an attempt which was highly influential in the English-speaking world and  
413 engaged with the different media (spoken-written, other semiotic systems) and ideologies of  
414 education. And again, this area of application was instrumental not only outwards towards

415 educational contexts, but also inwards towards developing aspects of the overall SFL-model  
416 towards different modes of discourse into areas such as multimodality.

417 Related to this area, there is, of course, language development in ontogenesis: Halliday's  
418 1975 *Learning how to mean* was an influential work at its time, encompassing intonation,  
419 lexicogrammar and semantics. It was also one of the counter-positions to the then dominant  
420 nativist perspective arising out of the tradition of Chomsky and Generative Grammar, hence  
421 also the preference for the term "language development" over the nativist "language  
422 acquisition". It represented one of the most detailed case studies of one individual child over  
423 the period of 9 – 30 months, thus covering an earlier onset period than had been usual until  
424 then. This work provided analyses charting ontogenesis in an all-encompassing perspective  
425 ranging from phonetics and intonation through lexicogrammar and discourse, thus providing  
426 an impetus to a host of similar studies by other researchers.

427

428 Halliday's SFL has also engaged in some areas of computational linguistics (cf. O'Donnell  
429 2017). These areas marginally included parsing but, more strongly, text generation in the  
430 1980s, even if the influence mainly came through SFL-researchers other than Halliday  
431 himself. What Halliday himself engaged in was machine translation and the lexicon (early in  
432 the 1950s), text generation in the 1980s, corpus linguistics, quantitative studies and  
433 meaning-based computing in the 1990s. Halliday's own contributions in this area are brought  
434 together in Vol. 6 of his collected works, rightfully titled "Quantitative Studies". I believe that  
435 Halliday's own main interest in computation had to do with his deep-seated belief that  
436 linguistic systems and their instantiation are related through feedback loops through  
437 interactions of which the system emerges out of dynamic and cumulative frequencies in the  
438 instance i.e. texts (not unlike the approaches represented in Bybee and Hopper eds. 2001 or  
439 in Tomasello 2003). In this sense, his view was closer to current data-driven empirical  
440 linguistics than to strictly top-down symbol-processing approaches. However, his was a  
441 strong belief that human language processing happens at a symbolic level, hence his  
442 "Functional Grammar" which is arguably at the core of his work and which represents a  
443 strong commitment to seeing language as a semiotic system of signs. Emergence and  
444 change in this system are happening in interaction with frequencies in the instance.

445

446 2. Halliday's contributions

447 I have focused here on Halliday's own work, exceptionally well documented in Webster (ed.  
448 2002-2017), leaving aside work inspired by him all around the world. Representative  
449 overviews on work in SFL are available in Hasan, Matthiessen and Webster. eds. 2005,  
450 2007, in Webster ed. 2015, in Bartlett and O'Grady. eds. 2017 and in Bowcher, Fontaine and  
451 Yameng Laing. eds. forthcoming, to name just a few collective volumes. The world-wide  
452 International Systemic Functional Linguistics Association (<http://www.isfla.org/>) provides an  
453 international forum for cooperation in the form of annual conferences, and there are a  
454 number of regional and/ or national associations in addition. There is the Halliday-Hasan  
455 International Fund in China organizing various activities around SFL, and there is the  
456 Halliday Centre for Intelligent Applications of Language Studies  
457 (<http://hallidaycentre.cityu.edu.hk/index.aspx>) in Hong Kong, which has been a center for  
458 research and teaching along the Systemic Functional Linguistics developed by Halliday.

459 I have tried to show in 1.2 that Halliday at various stages in his linguistic work has made  
460 original and long-standing contributions to our knowledge of language and to methods for  
461 researching it. He has done so across phenomena as diverse as the relationship between  
462 phonology and grammar, transitivity and participant roles, cohesion and texture, the  
463 language-context interface, register and linguistic variation. In 1.3. an attempt was made to  
464 exemplify the deep and creative impact which Halliday's linguistics has had on areas ranging  
465 from the analysis of literature, through (foreign) language learning and teaching, (machine-  
466 and human) translation, to the analysis of variation in language. In all of these respects,  
467 Halliday has left significant traces which will continue to lead others on to further  
468 development in theory and practice.

469 Yet to all of those who were fortunate enough to encounter him in person, Michael Halliday  
470 left more, and something different, than exclusively insights into language: He was an  
471 impressive personality with his full and active life of 93 years, most of which he was able to  
472 enjoy fully active both in his beloved linguistics and in other activities he enjoyed, such as  
473 hiking and sharing time with friends. The passing away of his beloved wife and colleague  
474 Ruqaiya Hasan in 2015 was a loss which he never fully recovered from. Michael Halliday's  
475 initial fascinations in life were, according to his own testimony, language and China. He was  
476 able to pursue these in the fullest sense imaginable: He spent a decisive period in  
477 revolutionary China 1947-1950, one of the major turning points and critical periods of world  
478 history in the 20<sup>th</sup> century. Through his mastery of Chinese, he was able to experience these  
479 decisive moments like very few other Westerners, and he preserved a deep interest in and a

480 critical solidarity for China for the entire rest of his life, spending many shorter and longer  
481 periods in various parts of the country. As for his fascination with language, he was able to  
482 pursue it both through his competence in a range of languages, and through the model of  
483 language which he developed and which has motivated a great number of fellow linguists  
484 around the globe towards intensive and creative work. In spite – or maybe because of - this  
485 extraordinary personality, Michael Halliday was incredibly friendly, modest and supportive – a  
486 gentle man. He lived openness rather than personal distance, modesty rather than vanity,  
487 solidarity rather than competition – and he left a painful gap, not only in linguistics, but also in  
488 the lives and memories of those who knew him.

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