

Index

- Abailard (Abelard), Pierre, *Dialectica* 84
abductive change 118–19
abecedaries 71
Abercrombie, D. 151
abjad 43–4, 47, 54, 62, 68, 69, 72
Abkhaz 24
Abkhaz-Adyghe 24
ablaut 225
Abondolo, D. 22
Aboriginal languages of Australia 527
absolute synonymy 243, 249–50
absolute case 217, 340, 352–3
abugida 44, 54, 62, 68, 70, 72, 80n
Abū'l-Aswad ad-Du.alī 83
accent
 identifying by 495
 non-native in SLA 495
accentual meter 450
accommodation 525
Acehnese 28
Achard, P. 576
Acholi 37
acoustic phonetics 4, 151, 156
acquisition
 of alphabetic writing systems 668
 automaticity and systematicity in sign language 549–54
 competition model 333, 474–5, 480–1, 498–9
 hypothesis testing 640
 the logical problem of language 479–81
 see also first language acquisition,
 second language acquisition
acquisition studies 130, 131, 147, 332–3
acrophonic principle 74
active articulator 165
actuation problem 108, 110, 114
Adamawa-Ubangi languages 35
Adelaar, Willem 39
Adelung, Johan Christoph 86, 93, 94
adjacency pair 437
adjectives
 and numeral word order, attested
 vs. unattested 343–4 table 14.1
 similitudinal 231
Adyghe 24
aesthetic experience 448–9, 458, 459, 465
Afar 33
affixation 114, 217, 229, 262, 359
affricates 176, 181
Africa, languages of 31–7, 710
“African Eve” 7
African-American Vernacular English
 657–60, 662, 711
Afroasiatic languages 31–3, 124
ageing, language of 644
agglutinating morphology 223–31, 236
agglutination 224
 deviations from 224–7
agglutinative languages 70, 94, 224, 228
agrammatism 584, 605
agreement 586
 role of inflection in 220

- Aikhenvald, A. 39
- Ainu 25
- airflow
- central 169
 - glottalic egressive 162
 - glottalic ingressive 162
 - initiation and direction of 161–2
 - lateral 169
 - nasal 169
 - oral 169
 - pulmonic egressive 160, 162
 - pulmonic ingressive 162
 - velaric ingressive 162
- Aitchison, J. 3, 263
- Akan dialect cluster 35
- Akkadian 31, 32, 79, 82
- cuneiform 45
- Aksumite kingdom 47
- Aktionsart 233
- Alabama 39, 140
- Albanian 21, 121, 125, 528
- Aled, Tudur 463
- Aleut 38
- Algeria 710
- Algic (Algonquian-Ritwan) language family 39, 124
- Algonquian languages 39, 89, 123, 124
- Algonquian-Ritwan (Algic) language family 39, 124
- Allen, J. 616
- alliteration 456
- Irish 447
 - and rhyme 455–7
 - systematic 456
- allograph 66, 67
- allomorphy 224, 225
- allophones 66, 186–7, 211
- allophonic patterns 143, 151, 152
- alpha notation 205
- alphabets 44, 54–62, 67, 666–7, 668
- Arabic-based 62
 - with associated numerical values 72
 - Cyrillic-based 62
 - Greek-based Eastern Christian 72
 - no equivalent in sound system 66–7
- Altai (Oyrot) 23
- Altaic language families 23–4, 25, 62, 124
- alternation 96, 188, 201–11
- Alur 37
- alveolar 166, 167, 181
- Amazonian languages 39, 147
- ambiguity 245–6, 388, 395
- identity test 245–6
 - independent truth-conditions test 246
 - in literary texts 447–8
 - parsing structural 609, 611, 612, 613
 - tests 245–6
 - zeugma test 246
 - see also* scope ambiguity
- “ambilingualism” 490
- Amele 364
- amelioration 259
- American Association for Applied Linguistics 638
- American English 112–13, 171, 182, 183, 295
- American Indian languages
- see* Amerindian languages
- American Sign Language (ASL) 11, 41, 536–8, 539–40, 556, 557, 561n
- coordination in 539
 - in courtroom situation 691
 - recursion and subordination in 536–8
 - verb signing 545–7
 - word order 538
- American Structuralism 97–8, 99
- Americas, languages of the 38–41
- Amerind language family 40
- Amerindian languages 135–6, 137, 163, 580
- Amharic 33, 365
- Amish, Old Order 522, 530
- analogy
- Kuryłowicz’s fourth law of 127n
 - in language change 118, 119
- anaphora
- dynamic 382–5
 - dynamic binding account 383–4
 - see also* donkey anaphora 392n
- anaphoric expression 425n
- anaphoric relations 373
- anarthria 584
- Anatolian 22
- Andamanese languages 31
- Andean languages 39
- Andersen, H. 115, 118
- Anderson, J. 505

- Anderson, S. 147, 199, 225–6, 229
animacy 220, 499
 conceptual space for 349–50 figure 14.1
 hierarchy 350
anomic aphasia 585
Anshen, Frank 216, 646, 704–13
antecedent 306–7
anthropology
 linguistic 431–2, 440, 645
 and origins of language 3–6
anti-causative 232
antonyms 251–4
 comparative forms 252
 see also equipollent antonyms,
 overlapping antonyms, polar
 antonyms
Apachean languages 38, 140
Apalai 460
aphasia 552, 554, 558, 675, 676, 678
 classic syndromes 585 table 24.1,
 600–1
 correlations with lesion sites 600–1
 in deaf signers 555
 mixed anterior 605
 subcortical 594
 tests 597
 see also Broca's aphasia, Wernicke's
 aphasia
aphasiology 583–92
apicoalveolar 167
apophony 225
applied linguistics 637–46
 corpus-based 643
 defined 638–9
 history 638
 problem-based 638–9, 643
apraxia of speech 584, 600
Arab grammarians 54
Arabic 32, 33, 47, 113, 225, 519, 525
 alphabet 62, 72, 73
 Classical 519, 522
 early script 47–9, 52
 Jewish dialects of 705
 numeral system 72, 296–7
 religious prestige 83, 519, 710
 sound inventory of 184
 Tunisian 522, 710
 vowel marking 59
 as a world language 532, 710
Arabic grammatical tradition 83
Aramaic 32
 Imperial 77
 Palmyrene variety of cursive script
 77
 scripts 47, 49, 59, 70, 71, 72
Arapaho 39
Arawakan language family 40
arbitrary languages 12, 559, 560
archaeology, and origins of language
 3–6
arclist models, in computational
 morphology 627–9 figure 25.2
arcs 624, 632
argument structure 10
arguments, and predicates 373,
 476–7
Aristotle 83, 84, 85
 De interpretatione 82
armchair linguistics 130, 131
Armenian 21
 script 55, 56, 72, 73, 74
Arnauld, A., *Grammaire générale et*
 raisonnée de Port Royal 85
Aronoff, M. 216, 222, 227, 229, 233
Arthur, B. 504
articulation 164–72
 and audition 471
 degree of stricture 165, 168
 development for speech versus sign
 550
 double 170, 171 figure 7.4
 early in first language acquisition
 468–9
 errors 677
 manner of 161, 181
 primary 170
 secondary 170, 171 figure 7.4, 176–7
 see also aspect of articulation, place of
 articulation
articulatory phonetics 156, 685
asemantic relatedness 232–3
Asia
 languages of Northern 20–5
 languages of Southern, Eastern and
 Southeastern 25–31
 languages of Southwestern 31–7
ASL *see* American Sign Language
Asmat of New Guinea 464

- aspect 218
 imperfective 218
 perfective 218
 aspect of articulation 168–72
 conformational 169–70
 neutral 168–9
 topographical 170–1
 transitional 171–2
 aspiration 172–5 figure 7.5a
 Assamese 22
 assertions 321, 411
 assimilation 202–6
 anticipatory 176
 in ASL 541 figure 22.3
 and co-articulation 176–7
 linguistic 528
 nasal place 202, 205, 209–11
 perseverative 176
 in sound change 113, 119
 Atatürk, Kemal 67
 Athabaskan languages 38, 123, 219
 Athabaskan-Eyak 38
 Athenaeus 74
 Atlantic languages 34
 Atlantic-Congo 34
 attested language types 343–4
 attitudes to language 572–5
 attribution 587
 audience, of literary text 448
 audiolingualism 640
 audition, and articulation 471
 auditory phonetics 685
 auditory processing, and memory 467–8
 Augustine, Saint 473
 Austen, Jane 459
 Austin, J. L. 411, 433, 616
 Australia 4, 6
 Aboriginal languages 527
 immigrant languages 527, 531
 Australian languages 30, 163
 Australian Sign Language 557
 australopithecines 4, 5, 16
australopithecus afarensis (“Lucy”) 4
 Austro-Asiatic languages 26, 31
 Austro-Tai macro-family 31
 Austronesian languages 28–9, 31, 123, 124
 authorship, of written documents and forensic linguistics 685–6
 autism 473, 486
 automated machine learning 152
 automatic dictation software 702
 autonomist linguistics *see* formal linguistics
 autosegmental phonology 147, 204–5
 AUX 303
 auxiliaries 415
 aspectual 219–20
 inversion 278–9
 omissions in child language development 478
 Avar 24
 Avestan alphabet, Zoroastrian scripture 59–61 table 3.13
 awareness of language, in children 653–60, 663, 672
 Aymara 40
 Azeri (Azerbaijani) 23
 babbling 469
 babies
 preference for maternal speech 468
 vocalizations 468–9
 baby-talk 503
 Babylonian annals 78
 Bach, K. 411
 Background 426n
 backwards verbs 545
 Bacon, Roger 84
 Badha (Lendu) 37
 Bahasa Indonesia 705
 Baker, Mark C. 146, 265–94, 302
 Bakhtin, M. M. 655
 Balinese 28
 Balkan languages 121
 Balochi 22
 Baltic 21
 Balto-Finnic 22
 Bambara 34
 Bangala 35
 Bantu languages 35–6, 123, 124, 219
 Baric 27
 Barthélemy, Jean-Jacques 77, 78
 Barthes, Roland 96
 Barwise, J. 392n
 base 223, 302
 Bashkir 23
 Basho, Matsuo 449

- Basque 20, 24–5, 31, 123, 514, 709, 710
 Bates, E. 333, 336
 Baudouin de Courtenay, Jan (Ignacy Niecislaw) 95, 96
 Baule 35
 Bauman, Richard 448
 Becanus, Johannes Goropius (Jan van Gorp van Hilvarenbeek) 87
 Bedawi (Beja) 33
 Beeman, M. 595
 Behagel's law 361
 behavioral potential 348
 behaviorism 101, 469, 489, 490, 640
 Behistun inscription of Darius 78, 79
 Beja (Bedawi) 33
 Belfast Irish 570
 Belgium, language policy 704, 706, 709
 Belorussian (Belarusian) 21
 Bemba 36
 Benchmark School 671
 Bender, M. L. 34, 36, 37
 Bendor-Samuel, J. 33–4, 35, 37
 Benedict, P. K. 31
 Bengali 22
 script 52 table 3.7
 in UK 522
 Benue-Congo languages 35
Beowulf 449, 452
 Berber 32, 33
 Berlin, Heinrich 79
 Bernstein, B. 580
 Bhojpuri 22
 Bibliander, Theodor 84
 Bickerton, D. 10, 15, 16
 Big Nambas 352
 bigram probabilities 632–3
 smoothing 633
 bigram tagger 633–4
 Bikol 28
 bilingual competence 509, 525–6
 bilingualism 488–511, 512
 de facto and de jure 517
 definitions of 490
 early 508
 and intelligence 513
 without diglossia 522
 bilinguality
 and flexibility 468, 474
 one system or two 508–9
- binary branching 613
 binding principles 306–7
 as referring to semantic argument structures 314–17
 biology
 and evolution of language 2, 4–6
 and first language acquisition 2, 648–50, 668
 “bioprogram” hypothesis 15
 bipedalism, and evolution of human vocal tract 4–5
 Birdsong, D. 496, 497, 510
 Bislama 41
 Black Carib *see* Garifuna
 Blackfoot 39
 Blake, William 462
 Bland, Betty 138
 Bley-Vroman, R. W. 501, 502, 510
 Bloch, Bernard 99
 blocking effect 119–20
 Blom, J. P. 523
 Bloom, P. 2, 17
 Bloomfield, Leonard xiii, 98, 99–100, 325–6, 327, 490
 Blust, Robert 28
 Boas, Franz 94, 95, 97–8, 325
 Handbook of North American Indian Languages 98
 Bodic languages 27
 Bolinger, D. 335
 Bongaerts, T. 495
 bonobo (Kanzi) 12–13
 Booij, G. 218, 220, 222
 Bopp, Franz 86, 94, 98, 103
 Borer, H. 511
 borrowings 121
 from English into Japanese 193–4
 Bosnian 21
 bound morphemes 213, 223
 Bourdieu, Pierre 576
boustrophedon 69
 Bowker, Lynne 701
 Boxhorn(ius), Marcus Zuerius 87
 Brahmi script 52 table 3.7, 54, 55
 brain
 bilateral activation 558
 “brain-language coevolution” 5
 deficit-lesion correlational approach 582, 600–1, 604–5

- distributed theories 596, 597–8
 equipotentiality 596
 grammar and control of the vocal tract
 16–17
 and language learning 467, 483
 language and the 592–607
 localizationist theories 13, 554, 586,
 596–7, 598–607
 mass action principle 596, 598
 brain damage 13, 14, 15
 and control of language use 485, 554
 in deaf signers 554–5
 and disorders of sentence
 comprehension 590–2
 and disturbances of word meanings
 588–90
 “graceful degradation” of performance
 after 597
 recovery after language loss 552
 brain organization
 for language 5, 582, 592–6
 and spoken and sign languages 558–9
 brain size 5
 uneven increase in hominid evolution
 16
 breathy voice *see* whispery voice
 Breen, J. G. 171
 Bresnan, J. 300, 313
 Breton 21, 515
 Bрева-Claramonte, M. 85
 bridge rules, in word-boundaries 451–2
 Bright, W. 43
 British Sign Language 42, 556, 557
 Broadwell, George A. 146
 Broca, Paul 583, 601
 Broca’s aphasia 14, 17, 555, 584, 585,
 600, 602, 604, 605
 Broca’s area 5, 13–14, 17, 593, 599, 600,
 605, 606, 607
 Brody, J. 460
 Brugmann, Karl 92
 Buang, language choice for the 519, 520
 figure 21.1
 Buginese 28
 Bulgarian 21, 121, 127n, 489
 Buriat 23
 Burling, R. 508
 Burmese 27, 200
 script 53 table 3.7, 54
 Burmese-Lolo 27
 Bursill-Hall, G. L. 84–5
 Burt, M. K. 490, 497
 Burundi 710
 Burushaski 30, 31, 123
 Buse, J. E. 177
 Bybee, J. L. 348–9, 361, 366

 c-command 276
 cadence 451
 Caedmon, *Hymn* 105
 caesura 451–2
 Cahuilla 140
 California Indian languages 140, 145
 California Penutian 41
 calligraphy 76
 Calvin, W. H. 13, 14
 Cambodian script 54
 Cambridge Language Surveys 20
 Cameroon, Pidgin of 41
 Campbell, Lyle 38, 40, 81–104, 342
 Canaanite languages 32, 47
 Canada
 French-English bilingualism 515, 516,
 517, 519, 524, 526
 language policy 704, 706, 707–8, 709
 Cann, R. L. 7
 Cantonese (Yue) 27, 710
 capacity for language, status of human
 102, 397, 424, 555
 Caplan, David 582–607
 Caramazza, A. 590–1, 604
 caretaker–child interactions 101–2,
 652–3
 Cariban languages 40
 Carnap, R. 373–4
 Carpenter, Bob 608–36
 Carroll, Lewis, *Alice* 475
 Carstairs-McCarthy, Andrew 1–18, 126
 Carston, R. 406, 411, 412, 414
 case 218
 case filter 293
 Case Grammar 103
 case marking 323
 absence or presence in different
 languages 351–2 table 14.4
 Castilian 514, 711
 Catalan 21, 704, 709, 711
 Catalan Numbers 612

- categorial grammar 284, 375–81, 390
 “categorial signature” 229
 categories 300, 586
 as bundles of features 304
 see also functional categories,
 grammatical categories, lexical
 categories
 Catford, J. C. 151
 Cathlamet 97
 Catullus, Gaius Valerius 697
 Caucasian language families 24
 causative constructions 232
 linguistic distance in 361
 Cavalli-Sforza, F. 7
 Cavalli-Sforza, L. L. 7
 CED *see* Condition on Extraction
 Domains
 Celtic languages 21, 88, 363, 514
 meter 453
 Cenderawasih Bay (Geelvink Bay) 29
 Central Dravidian 26
 Central Khoisan 37
 Central Malayo-Polynesian 28
 Central Semitic 32
 Central Sudanic 36, 37
 Central-Eastern Malayo-Polynesian 28
 cerebral cortex 593, 599, 603–4
 Chadic languages 32, 33
 Chafe, W. 329, 433
 Chagga 36
 Chamic languages 28
 Chamorro 29
 Chamot, A. 505
 Champollion, Jean-François 77–8
 change, language
 deliberately guided 574
 discoveries and methods 121–5
 and diversity across languages
 341–67
 examples of 113–14
 explanations of 117–21
 as a function of abstract properties of
 grammars 115–16
 gradualness of 364, 365
 mechanisms of 114–17
 naturalness in direction of 110, 114, 125
 physiological factors 119, 125
 problems for a theory of 108–10,
 125–6
 psychological factors in 118–19,
 349–50
 social factors 120–1
 systemic factors 119–20
 through time 105–29, 348–9
 types and spread of 111–14
 typological perspective 363
 unidirectionality 366–7
 and variation 564, 577–9
 velocity in urban and rural areas 578
 figure 23.2
 Chaouia 33
 characters, in Chinese writing 49, 51
 table 3.5
 Chaucer, Geoffrey 111, 699
 Canterbury Tales 105
 Troilus and Creside 106–7
 Chechen 24
 Chechen-Ingush 353
 Chemakum 97
 Chemehuevi 140
 Cheney, D. L. 8–9
 Cherokee 39, 140
 syllabary 63, 65 table 3.17, 71
 Cheyenne 39
 Chibchan languages 39, 40
 Chicanos 526
 Chickasaw 39, 132–3, 139, 140, 141
 child language acquisition *see* first
 language acquisition
 child–caregiver dialogue 101–2, 652–3
 CHILDES corpus 483
 children
 with mental retardation 466, 486
 with neurological disorders 466, 486
 Chimborazo Quichua 40
 Chimbu 30
 chimpanzees
 acquisition of abstract concepts 10–11
 learning sign language 11, 477
 see also bonobo
 China, language policy 710–11
 Chinese 27, 113, 284, 435
 Ancient 364
 archaic meters 453
 as a world language 530
 writing 49–51, 68, 713n
 Chinese grammatical tradition 61, 69
 Chinookan 41, 97

- Choctaw 39, 140, 146
- choice, language, in multilingual communities 517–26
- Chol 39
- Chomsky, Noam xiii, 2, 3–4, 16, 17, 97, 98, 99, 104, 187, 199, 319, 326–7, 464, 605
- and generative grammar 274, 277, 279, 296–305, 312, 317–18, 413, 648
- on knowledge of language 397, 555
- on language learning 2, 312, 332, 480, 490, 640
- and linguistic theory 100–3, 512
- Minimalist program 102, 146, 511
- phrase structure 269–72, 305, 335
- “poverty of the stimulus” argument 102, 299, 300
- Principles and Parameters approach 102, 283, 293–4, 500–1
- Syntactic Structures* 100, 102, 266–8
- The Sound Pattern of English* 147, 204
- Chontal of Oaxaca (Tequistlatecan) 41
- Christianity 57, 84
- Chu-Carroll, Jennifer 608–36
- Chukchee (Chukchi) 24, 216–17
- agreement in 220–1
- aspectual forms 218–19, 222–3
- Chukotko-Kamchatkan languages 24, 25
- Chumashan languages 38, 41
- Chuvash 23
- Circassian 24
- Clark, J. 151
- classification of languages 86, 94, 147, 342–3
- see also morphological classification; typology
- clay 44, 74
- clicks 162, 184
- clinical linguistics 646, 673–82
- identifying symptoms 674–7
- insights 679–82
- role of 677–9
- clinico-pathological correlation approach
- see deficit-lesion correlation approach
- clitic group 451
- co-articulation 203
- and assimilation 176–7
- co-meronymy 251
- co-occurrence see syntagmatic relations
- co-official languages, and constitutional equality 706
- Cocke-Kasami-Younger parser 613–14
- coda 187, 190–1, 456
- codemixing 509
- codes, restricted or elaborated 580
- codeswitching 523–6, 575
- “equivalence constraint” 506–7
- “free morpheme constraint” 506
- “government” model 507
- Matrix Language Framework Model 507
- “metaphorical” vs. “transactional” 523
- “non-situational” vs. “situational” 523
- in second language acquisition 506–7
- coercion 257
- cognition
- language and 555–6
- literary and linguistic 446–7, 465
- and meter 453–4
- role of language in construction of 440
- cognitive abilities
- human compared with primates 10–11
- and restricted or elaborated codes 580
- cognitive effort vs. cognitive effect 407–12
- cognitive processes
- and brain processing of language 592
- in reading 664–6
- related to speech 146
- cognitive psychology 244, 650, 664
- and sentence processing 615
- cognitive science revolution 267–8
- Cohen, A. 505
- Cohen, P. R. 616
- coherence of discourse 435
- cohesive discourse 435
- Cohn, Abigail 151, 158, 180–212
- colonialism, language and 515, 705, 706, 710
- colophon 76
- Comanche 39

- commands *see* imperatives
"comment" 97
commissives 433
communication
 interactional models of 676
 language and 394–427
 literary and linguistic 447–8
 in literary texts 457–9
communication strategy, in SLA 506
communicative dynamism (CD) 436
communicative functions, of language
 319, 320–5, 326–7, 328–9, 336, 648,
 663
communicative motivations, for the
 selection of linguistic forms 429–38
community interpreting 695
Comorian 35
comparative grammar 86, 90
comparative linguistics 86
comparative method
 in language relatedness 122–3
 philosophical-psychological
 approaches 93–4
 the rise of the 85–93
 typological-evolutionary approaches
 93–4
comparatives
 committed 252
 impartial 252
compensatory lengthening 113, 200–1,
 205
competence 297–8, 312, 424
 bilingual 525–6
 native speaker's 100
 semantic 370
 vs. performance 326–7
 see also pragmatic competence
competing motivations model, in
 typology 344–5, 363
competition model
 and mutual exclusivity 333, 474–5,
 480–1
 and transfer 498–9
complementaries 251, 252
Complementizer Constraint 274, 278,
 282–3
complementizers 310
complements 305
complex predicates 234–6
compositionality, the principle of 374–5,
 376, 388, 390
compound bilingualism 489
compounding 215–23
compounds 215
 distinguished from phrases 215
 neoclassical 223
 semantic transparency of 231
comprehension deficits
 and aphasia 584, 675
 and right hemisphere lesions 558
computational linguistics 264, 313,
 608–36
computational morphology 622–3,
 626–30
 continuation patterns in 629
computational phonology 622–6
 declarative approaches 626
computer-assisted translation (CAT)
 702–3
computers 268, 269
 and fieldwork 142
 and natural language technologies
 317
 simulation of signaling systems 17
Comrie, Bernard 19–42, 324, 328–9, 337,
 342, 354
concatenative morphology 224
concepts
 brain damage affecting 588, 589, 599,
 601
 cognitive organization of 458
 influence of language on 581
 untranslatable 701
 and word meanings 241, 244
conceptual categories, typological
 markedness 347
conceptual distance 359–60
conceptual space 350–1, 363, 367
 for grammaticalization 366–7
 figure 14.6
 and hierarchies 349–55
 polysemy in 358
Condillac, Etienne Bonnot de 2
Condition on Extraction Domains (CED)
 274–5, 278, 281, 284–5, 289, 291
conditional donkey sentences 387,
 392–3n
conditional relations 383

- conduction aphasia 584, 585, 600, 605
 confessions, and forensic linguistics 691
 configuration 656
 conflict talk 644
 conjugations 219–20
 conjunction 372
 connectionism 348–9, 483, 598–9
 figure 24.2, 601
 connectives 371–2
 but 406–7, 412
 conditional (*if . . . then*) 383
 truth-functional 375
 connectivity 364, 365
 Conrad, Joseph 493–4
 consecutive interpreting 693–5
 consonants 181
 length of 177
 marginal in the syllable 159
 writing 55, 69
 constituents 361, 388
 constraints
 centrality to syntax 115, 209, 273–9
 innate on language learning (Chomsky) 480, 482
 similarities in all languages 280
 “super-conditions” 279
 constraints problem, in language change 108–9, 114, 125
 contact, language 15, 92–3, 574
 and language change 120–1
 and sign languages 557
 contact linguistics 513, 574
 contamination 116
 context
 in discourse analysis 431–2
 relevance and 408–9
 sensitivity in reading 665
 and word meaning 242–3, 244–6, 413–14
 see also sequential context
 context of situation 385, 432
 context-free phrase structure grammar (CFG) 300–5, 313
 in computational linguistics 609–15, 635–6
 and filler-gap dependencies 307–10
 and semantic component 303–5
 contextual inflection 220, 222
 contextual patterns of speech
 see allophonic patterns
 contextualized language use 643
 Contrastive Analysis 489, 641
 contrastive discourse, in second language teaching 644
 contrastive patterns of speech
 see phonemic patterns
 conventional implicatures 407, 412
 conversation 439
 inferential approach to 401–7
 the logic of (Grice) 322
 Conversation Analysis 437, 439, 444
 conversational implicatures 402
 conversational maxims (Grice) 401–7, 414
 conversational norms, and language disability 675
 converses 251, 255
 conversion 227, 233
 Cook, Vivian 488–511
 Cooper, R. 386–7
 cooperative principle (Grice) 401–7, 414
 coordinate bilingualism 489
 Coordinate Structure Constraint, in sign languages 538–9
 coordination 535–6 figure 22.1
 Coos 41
 Coppiters, R. 496
 Coptic 33, 77–8
 script 55, 56
 Cora 39
 Corder, S. Pit 489, 490, 639–40
 coreference 334
 coronal 199
 corpora 76, 264, 631
 of child language data 483
 in language teaching 643
 linguistically annotated 633
 corpus-based methods 317, 608, 631–6, 643
 Coulmas, Florian 62, 64, 67, 107, 151, 563–81
 courtroom situation
 interpreting in 695
 power asymmetries in 690–1
 cranberry morphs 227, 232–3
 creak 164
 creaky voice 164

- Cree 39
 syllabary 63, 65 table 3.17
Creek 138
Creek-Seminole 140
creoles 15, 41, 513
creolization 15, 41, 575
criminal cases, and forensic linguistics 686–9
critical discourse analysis 655
critical literacy 655
critical period hypothesis (CPH)
 in second language acquisition 493–4
 in sign language acquisition 552, 553
Croatian 21
Croft, William 284, 299, 337–68
cross-cultural linguistics, and second
 language teaching 643–4
cross-linguistic surveys, sampling
 techniques 341–2
Crow 140
Cruse, D. A. 238–64, 358
Crystal, David 642, 646, 673–82
Csat6, E. 23
culture, and evolution of language 6
Cumming, S. 460
cuneiform signs 44–5 figure 3.1, 46
 table 3.1, 49, 68, 74, 78
cursive writing 46
Curzon Language Family Descriptions
 20
Cushitic 32, 33
Cuzco Quechua 40
cynghanedd groes o gysswllt 463
cynghanedd (harmony) 463
Cypriote syllabary 49, 50 table 3.4
Cyrillic script 55, 61, 72
Czech 21, 240
Czech linguists *see* Prague School

Daic languages 27, 31
Damasio, A. 601–2
Dani *see* Grand Valley Dani, Western
 Dani
Daniels, Peter T. 43–80
Danish 21, 164
Danish Sign Language 556, 557
Dante Alighieri 86
Dari 22
data analysis, in fieldwork 143–5
data collection 131–8, 565, 572–3, 577
database queries, generating with
 parsing 615
dative shift 461
Davidson, D. 6, 375–81
de Beaugrande, Robert 428, 435
De Guignes, J. 89
Deacon, T. W. 5
deaf children
 acquisition of ASL 552
 with deaf signer parents 549–50
 with hearing parents 552–3, 561–2n
deaf infants, babbling 469
deaf people *see* hearing impaired
deaf sign languages *see* sign languages
d6calage 694
decipherment 76–9
declarative approaches, to computational
 phonology 626
declarative sentences 321–2, 371–2
declensions 219–20
decoding 408
decontextualization 448
default 230, 236, 258, 345
default inference rule 403, 405
defective distribution 209
deference 579
deficit, language *see* language
 disability
deficit-lesion correlation approach 582,
 600–1, 604–5
definite descriptions 373
DeFrancis, John 51, 68
degeneration, language 575–6
degenerative disease, and semantic
 memory 603
Delbr6ck, Berthold 92
demographics, linguistic and national
 languages 704, 705, 706, 709,
 712
demotic script 46, 55
Dene-Caucasian language group 31
denotation 371
 and meaning 370–81
 and sense 373–4
 types and syntactic categories 376
dental 166, 167, 181
dependency, semantic 241–2
dependency grammar 615

- deprivation, language *see* language
 disability
- derivation 215, 217–23
 and inflection 222–3
 leftmost 635
 parse trees and 635
 suppletive 232, 233
 transparent compositional 231
- derivational affixes 262
- derivational morphology 231–2
- Derocquigny, Jules 698
- Derrida, Jacques 96
- Descartes, René 85
- description
 in applied linguistics 639
 primary linguistic 97–8, 147–8
- descriptive grammar 297
- descriptive linguistics 131, 145–7, 577, 645
- determinatives, use in writing systems
 45, 46–7
- Devanagari script 52 table 3.7, 55
- developmental psychology 664
- Devine, A. M. 452
- devoicing 163, 173
 and voicing 172–5
- dextrograde 69
- Dholuo (Luo) 37
- diachronic linguistics 108, 110, 128n
- diachrony 95, 115, 676, 698
 defined 109
- Diakonoff, I. M. 32
- dialect atlases 565
- dialect surveys 141
- dialectics 84
- dialectology 92–3, 147, 564, 565, 645
- dialects
 chains of 19
 endangered and language maintenance
 645
 formation of 113, 117
 or languages 710–11
- dialogue, discourse segments of 617
 figure 25.1
- Dickson, D. R. 163
- dictionaries 131, 148, 239, 257, 264
- Diegueño 140, 537
- diglossia 519–22
- diglossic societies 521–2
- Dik, S. C. 329, 330–1
- Dinka-Nuer languages 37
- Dionysius Thrax 633
- diphthong, articulation of 172
- diplomats 76
- directional opposites 251, 254–5
- directionality 312–13
- directives 433
- disability, language *see* language
 disability
- disadvantage, language *see* language
 disability
- disambiguation, and part-of-speech
 tagging 633–5
- discourse 327, 381, 587, 650
 use of term 428–9
- discourse act recognition 622
- discourse actions 621, 622
- discourse analysis 266, 428–45, 460, 580
 activities and tasks 441–2
 computational 615–22
 in forensic linguistics 685, 688–9
 functionalist 322–4, 331–3, 336
 and language use in context 644
 and linguistics 444–5
 plan-based approach 433–4, 616–22
 and sequential organization 437–8
see also critical discourse analysis
- discourse level 586, 595
- discourse markers, in social languages
 656
- discourse representation theory (DRT)
 382–3, 392n
- discourse segmentation 622
- Disjoint Reference Condition (DRC)
 276–7, 282, 287–9, 291
- dislocation 292
- disorder, language *see* language
 disability
- displaced articulations 167 figure 7.3
- displacement, language 575
- dissimilation 206
- distance *see* conceptual distance,
 linguistic distance
- distinctive features 96, 97, 158, 199, 211
- distributed theories, of the brain for
 language 597–8
- disturbance, language *see* language
 disability

- diversification, linguistic 530–1
 diversity
 cultural in classrooms 647, 657–60
 linguistic 148, 337–41, 514, 573
 Dixon, R. M. W. 20, 30, 39, 147, 452, 454
 Searching for Aboriginal Languages 142
 Djingili 30
 DNA (deoxyribonucleic acid),
 mitochondrial 6–7
 documents, philology of 76
 Dodd, A. 498, 510
 Dogon 34
 domain actions 621, 622
 domain configuration, congruent or
 incongruent 518
 domains of use 518–19
 dominance, word order 344–5
 Donald, M. 10
 Donatus, Aelius
 Ars major 83
 Ars minor 83, 84
 donkey anaphora 392n
 donkey pronouns 382–5, 392n
 donkey sentences, conditional 387,
 392–3n
 Dorian, N. C. 527
 dorsolateral frontal cortex, left 603–4
 Dowland, John 455
 Dravidian languages 26, 31, 52, 709,
 713n
 DRC *see* Disjoint Reference Condition
 Dryer, M. 342, 343
 duality of patterning 540
ductus 76
 Dulay, H. C. 490, 492, 497
 Dunbar, R. 11
 duration of sound 161, 177
 contrastive and contextual control of
 177
 Durkheim, Émile 96, 576
 Dutch 21, 494, 495
 in Australia 527
 Dutch etymologists 86–7
 Dyirbal 331, 336n, 528
 “gama” songs 452
 dynamic binding 383–4, 392n
 dynamic programming, parsing as
 613–14, 615, 634
 dynamic semantics 381–5, 390, 392n
 dysarthria 584, 600
 dysfunction, language *see* language
 disability
 dyslalia 677
 dyslexia 671
 regularization strategy in 597
 É. Kiss, K. 333
 E-type pronouns 384–5, 392n
 Early Christian writers 84
 Early Modern English 105–6
 East Caucasian 24
 East Germanic 21
 East Papuan phylum 29
 East Semitic 32
 East Slavic 21
 East Sudanic 36
 Eastern Armenian 21
 Eastern Christian alphabets, Greek-based
 72
 Eastern Kwa 35
 Eastern Malayo-Polynesian 28–9
 Eastern Nilotic languages 37
 Eastern Panjabi 22
 Ebonics *see* African-American
 Vernacular English
 economic motivation *see* economy
 economy 279, 334, 348
 and iconicity 355–62
 Edmont, E. 565
 Edo 35, 280–3
 education 645, 664
 bilingual for minorities 532
 genre approaches to 655–6
 and language maintenance 645
 and theories of language 648–52
 educational linguistics 647–63
 Edwards Jr, Jonathan 89
 Efik, tone riddles 464
 Egyptian 32
 Ancient 33, 364
 hieroglyphic writing 45–7 table 3.2,
 69, 77
 Einstein, Albert 485
 Eisenstein, E. L. 75
 ejectives 162
 Ekari 30
 Ekstrand, L. H. 494
 Elamite 31, 45

- elicitation, in fieldwork 132, 133, 577
 ellipsis 415–16, 426n
 vehicle change 426n
 Ellis, R. 488
 elsewhere condition 230
 embedded clauses 287–8, 301
 in sign languages 535–6, 560
 embedding problem 108, 109–10, 120,
 125
 Emmerik, Wim 548–9
 emotion, role of language in construction
 of 440
 Empty Category Principle (ECP) 502
 empty morphemes 357
 enculturation 648, 651–2
 endangered languages 104, 137, 141,
 145, 645
endecasillabo 451
 Enga 30
 English 21, 109, 517, 518, 522, 698, 700
 changes in 105–7, 111, 113
 compared with Mohawk 285–94
 denominal verbs 233
 iambic pentameter 450–1, 452, 453, 455
 in India 706
 in Ireland 528
 irregular verb forms 225–6
 plural marker 202–3
 sound inventory of 183
 spelling 182, 666–7
 word order 342, 362, 364
 as a world language 530, 531, 710
 see also American English, Early
 Modern English, Middle English,
 Old English
 Englishization 707, 708
 enjambement 451
 entities 375
 epiglottal 167
 epigraphy 76
 episodes
 boundaries in narrative 460–1
 in discourse 435
 episodic culture 10
 epistemology, role of language in
 construction of 440
 Epstein, S. D. 502, 510
 equal bilingualism 704
 equal multilingualism 704
 equipollent antonyms 252, 253, 254
 equivalence sets 456
 ergative case 217, 340, 352–3
 ergativity 147
 Error Analysis 489
 errors
 in child language 478–81, 640, 671
 in child sign language 551–2
 ESF (European Science Foundation)
 project 491–2
 Eskimo 38, 219
 Eskimo-Aleut 25, 40, 177
 Esperanto 562n
 Estonian 22
 Estrangelo 47, 48
 Ethiopian Semitic subgroup 33, 365
 Ethiopic
 abugida 57–8 table 3.11, 67, 72, 73, 74
 Classical 74
 ethnic/cultural identities, constructed by
 language use 439
 ethnicity 531, 569, 574
 and national languages 704
 ethnography of speaking 431–2, 677
 ethnolinguistics 431–2
 ethnomethodology 576
 ethnomusicology 454
 ethnopragmatics 431–2
 Etruscan 25, 54, 69
 etymology 82, 86, 94
 development of 86–7
 Eurasia, languages of northern 24–5
 Eurasiatic 25, 40
 Europe, languages of 20–5
 European Union 531
 EUROSLA (European Second Language
 Association) 488
 evaluation problem 108, 110, 112–13, 120
 Evans, Howard 699–700
 Evans, James 63, 392n
 event related potentials (ERPs) 558, 582,
 605–6
 evidentials 459
 evolution
 “brain-first” view of 5
 and modality 562n
 evolution of language 1, 2, 11, 65–6,
 93–4
 Ewe 35

- exclusion, opposition and relations of 251–5
 existential quantifier 381, 383–4
 “exotic languages” 325, 329, 333, 337–9
 expertise, role of language in construction of 440
 explanatory criteria
 theory-internal 333–4
 types of 334 table 13.1
 explicatures 411, 412
 expressives 433
 extended exponence 226
 extended projection principle 271
 Extended Standard Theory 102
 extensions 373–5
 “externalized language” 294
 Extra, G. 531
 extralinguistics 151, 165
 Eyak 38
 eye, mammalian 17
 eye movement studies, in reading 665
- Fabb, Nigel 446–65
 facial expressions, in sign language 542
 figure 22.4
 factor analysis 597
 Faliscan 113
 “false friends,” in translation 698–700
 defined 697
 diachronic interlingual 699–700
 diachronic intralingual 699
 synchronic interlingual 698
 synchronic intralingual 700
 “family tree model” 92
 Fang 35
 Fantini, A. 508
 Faroese 523
 Fasold, R. 576
 featural scripts 44, 62, 63
 feature geometry 206
 feature structures, as category labels 304, 313–17
 features
 multiple values of 304
 and segmenthood 198–201
 spreading 204–6
 values of 199
 see also phonetic features, phonological features
- feedback markers, in forensic linguistics 689
 feet, metrical 187, 450
 felicity conditions 433
 Ferguson, Ronnie 698
 Ferhardi, A. 172
 fiction 459
 field 432
 field linguistics 130–49, 341, 645
 contribution to linguistic theory 146–8
 defined 130–1
 techniques of 131–3
 fieldwork 130, 140–3
 methods 133–7
 starting 133–40
 technology and 142–3
 Fijian 29
 filler-gap dependencies 307–10, 315–17, 318n
 final devoicing 173, 175 figure 7.5b, 206–7
 finite, and infinite 265, 296, 535–6
 finite-state acceptor *see* finite-state automaton (FSA)
 finite-state automaton (FSA) 624, 626
 language of 624
 probabilistic 632–3
 finite-state transducers
 closed under composition 629
 compiling from rewrite rules 624–6
 in morphology 627–30 figures 25.8 and 9
 in phonology 624–6 figure 25.7
 Finnish 22, 88, 177, 516, 529, 666
 alliteration in 457
 nouns 228–9, 229–30, 623
 Finno-Ugric languages 22, 123, 124
 first language acquisition 466–87
 awareness of language 653–60, 663, 672
 and biology 2, 648–50, 668
 compared with second language acquisition 492–3, 640–1, 648
 critical period hypothesis and signing 552, 553
 cues in 473–4, 479, 485
 delay in 678, 679, 680–1
 early articulation 468–9

- early semantics 472–4
 early stages 469–70
 emergentist accounts 483–5
 errors in 478–81, 640, 671
 first word combinations 476–7
 first words 469–72
 and language complexity 102, 332
 parent perspective 485–6
 plural formation in 203
 “poverty of stimulus” argument 102, 299, 300
 processes in 467, 478
 sign languages 533, 549–55
 “two-word” or “telegraphic” stage 11, 15, 16
see also infants; innateness hypothesis
 first-order languages 375, 390, 391n
 Firth, John Rupert 243, 432, 692
 Fishman, J. A. 518, 522, 530, 569
 fixation 665
 flapped stop 172
 voiced oral alveolar retroflex 172
 Flege, J. E. 496, 499, 510
 Flemish 706–7, 712n
 flexional languages 94
 focalization 459
 focus 328–9, 333
 focus particle 422
 focussing rule, in discourse analysis 619
 Fodor, J. A. 313, 425n
 Foley, R. 3
 Foley, W. A. 3, 29, 31, 285, 320, 327, 330–1
 Fongbe 35
 For (Fur) 36
 For(an) branch 36
 forensic linguistics 646, 683–91
 forensic phonetics 152
 form
 and function 324–5, 648, 653–4, 655
 and interpretation of narrative 460–2
 in literary texts 448–9
 and meaning 446, 447–8, 457–62, 584–5: in sign languages 556–7
 meaning deviations 226–7
 musical and linguistic 454–5
 shaped by contexts of use 429–38, 444
 shapes structure of thought 476
 stylistic options of linguistic 461
 form–meaning correspondence 356–9
 figure 14.5
 formal language theory 624
 formal linguistics 429–30, 576
 formal semantics 369–93
 formal syntax 268, 289
 formal writing style 46
 formalism vs. functional approaches to language 319, 330, 333–5, 576
 formality 263, 579
 Formosan languages 28
 Foucault, Michel 96
 Fox, B. 435
 fragment reconstruction 415–16
 France, language policy 704
 Francez, N. 393n
 free translation 696–7
 Freed, B. 503
 Frege, G. 371–5
 French 21, 113, 114, 515, 517, 518, 519, 522, 698
 alexandrine 449
 in Belgium 706–7
 loan translations 121
 negation 357
 teaching in primary school 494
 terms of address 120
 vowels 163
 as a world language 530, 531, 710
 see also Old French
 French Revolution 120, 515
 French Sign Language 41–2
 fricatives 168, 181, 189
 flat alveolar 171
 labialized palatoalveolar 170
 nasal 169
 voiceless alveolar central 169
 voiceless alveolar lateral 169
 Frisian 516
 Fula (Fulfulde, Peul) 34
 Fulfulde (Fula, Peul) 34
 fully automatic machine translation (FAMT) *see* computer-assisted translation (CAT)
 fully devoiced segment 173
 function
 and form 324–5, 648, 653–4, 655
 use of different linguistic forms for same 460

- functional categories 218, 375–6, 390
Functional Grammar (FG) 329, 330–1
functional linguistics 319–36, 648–9
 cross-linguistic comparison in 324–5
functional magnetic resonance imaging
 (fMRI) 558, 582, 601, 603
functional neuroanatomy of language
 theory 600
functional sentence perspective, theory
 of 328–9, 436
functional-typological approach *see*
 typology
functionalism 284, 329–33
 conservative 330–2
 extreme 330, 331–2, 336
 moderate 330–1
 Parsonian structural 576
 vs. formal approaches to language
 319, 330, 333–5
Fur (For) 36
fusion of meanings 226, 356, 357
- Ga 35
Ga-Dangme dialect cluster 35
Gaelic 21, 527
 Hebridean (of Lewis) 174
 Irish *see* Irish
 songs 463
Galla (Oromo) 33
Gallician 713n
Gamkrelidze, T. V. 72
Gan 27
“gapping” 464
Garifuna (Black Carib) 40, 135–6, 140
 verbal agreement markers in 135
 table 6.1
Gazdar, G. 273, 305, 313, 403, 404–5
Gbaya 172
Gbe 35
Gê (Je) language family 40
Geach, P. 392n
Gee, James Paul 645, 647–63
Geelvink Bay phylum 29
Ge'ez 33, 365
Gelb, I. J. 43, 67, 68, 79
gender 222, 569, 579, 644
 identities constructed by language use
 439, 444
 and politeness 580
- general phonetic theory 151, 154, 158,
 178
general phonological theory 151
generalization
 capturing 298–9
 of meaning 259
 typological 364–5
 universal 365–7
generalized conversational implicatures
 403
Generalized Phrase Structure Grammar
 103, 284, 615
generalized quantifiers (GQs) 379–81,
 385–7, 390
generation, language 575–6
“generative”, use of the word 268,
 296–7
generative grammar 100, 125, 146, 268,
 295–318, 575, 650
 and functionalism 332
 the future of 317–18
 phenomena studied by 305–11
 rules 446
 tenets of 297–300
 varieties of 311–17
generative language model 632–3
generative linguistics 648–9
generative metrics 452
generative phonology 97, 187, 211
generative semantics 103
Genesee, F. 496, 508, 509, 510
genetics, and origins of language 6–7
genre 655–6, 663
Georgian 24
 script 55, 58
German 21, 113, 478, 491, 492, 517, 698,
 700
 learning gender 483–5
 in Pennsylvania 528
 Standard 574
 see also Swiss German
Germanic 20–1, 57, 88, 124
 verse 456
Geschwind, N. 584, 598, 599, 601–2
Gesner, Konrad 86
Gestuno 562n
gesture, origins of language in 11–12
Gheg 21
Ghezzi, R. W. 460

- Gikuyu 36
- Gilbertese (Kiribati) 29
- Gilliéron, Jules, *Atlas linguistique de la France* 92, 565
- Gilyak (Nivkh) 25
- Giraldus Cambrensis 86
- Givón, T. 335, 361, 435
- Glagolitic script 55, 56
- glides 181
- global aphasia 585
- global holonym 248
- glottal 166, 167, 181
- glottal fry *see* creak
- glottal stop 164
- glottalic airstream mechanism 162
- glottis 162, 163
- “glottonic” view of languages 86
- Goldin-Meadow, S. 510, 559
- Golding, Sir William 461
- Goldsmith, J. 151, 204
- Good Language Learner strategies 505
- Gothic 21, 88, 91
- script 55, 56
- government, role of inflection in 220, 222
- Government and Binding Theory 102
- grammar
- actual vs. conceivable 16–17
 - common formal elements 238, 300–5
 - explicit teaching of 643
 - explicitness of 298
 - language-specific 342
 - psychological relevance of 299–300
 - as a theory of language 100
 - theory of and universal claims 2, 299, 341–67
 - use of the word 295–6, 424n
 - vs. meaning 325
- grammars 131, 148
- should be maximally general 298–9
 - teaching 85
- grammatical categories 339
- see also* parts of speech
- grammatical morphemes research in L2
- acquisition 490, 497, 502
- grammatical relations 323, 324
- hierarchy 351–4
 - map of attested systems of 354–5
 - figure 14.4
- grammatical structure, and iconicity 559
- grammatical traditions 81–4
- grammatical words 188, 214, 217, 236
- grammaticality judgements 510
- and language disorders 591
- grammaticalization 103, 127n, 218
- conceptual space for 366–7 figure 14.6
 - of facial “intonation” in sign language 542
- grammatology 79
- Grand Valley Dani 30
- graphemes 66–7, 96, 667, 670
- Grassmann’s Law 91
- Greek 21, 88, 91, 124, 318n, 519
- in Australia 527
 - in the Balkans 121
 - Byzantine 21
 - changes in 111–12, 113, 116, 118, 119
 - Classical 21, 82, 219
 - drama 452
 - early script 49, 52, 69, 79
 - Medieval 125, 127n
 - Mycenean 21
 - Pontic 127n
 - script 59
- Greek alphabet 56, 70, 72, 73, 75
- letter names 74
 - scripts derived from the 55–6 table 3.9
- Greek grammatical tradition 82–3
- Greenberg, Joseph H. 25, 31, 33, 34–5, 36, 37, 38, 40, 103, 299, 342, 344, 346, 365
- “Greenbergian” approach *see* typology
- Greenlandic 38
- Gregg shorthand 63
- Grice, H. P. 322, 397, 401–7, 414
- Grimes, B. F. 19, 30, 37, 42
- Grimes, J. E. 19, 42
- Grimm, Jakob, *Deutsche Grammatik* 86, 89, 90
- Grimm’s Law 88, 90–1, 124–5
- Grondin, N. 502
- Grosjean, F. 506, 509, 512
- Grotendorf, Georg Friedrich 78
- Guarani
- Paraguayan 40, 349, 351, 704, 710
 - and Spanish 521

- guessing, psycholinguistic 118–19, 485, 665
- Gujarati 22
script 52 table 3.7
in UK 518, 522
- Gumperz, J. J. 523, 572, 677
- Gur (Voltaic) languages 34
- Gurmukhi script 52 table 3.7
- Gutenberg, Johannes 75
- Gutknecht, Christoph 646, 692–703
- Gutt, E.-A. 697
- Gyarmathi, Sámuel, *Affinitas linguae Hungaricae cum linguis Fennicae* . . . 86–90
- Gypsies (Rom) 22
- Haas, Mary R., Survey of California Indian Languages 145
- Haas, W. 243, 244, 249
- Habermas, Jürgen 576
- habituation effects 468
- Hadza 37
- Haida 38
- haiku, Japanese 449, 452, 453
- Haitian Creole, French-based 41, 357
- Hakka 27
- Hale, Kenneth 146, 147, 286, 451
- Halle, Morris 97, 115, 187, 199, 230, 231, 452
The Sound Pattern of English 147, 204
- Halliday, M. A. K. 329, 330, 331–2, 432, 435, 461, 490, 572, 655
- Hamito-Semitic languages *see*
Afroasiatic languages
- handedness, and language 5–6, 594, 595
- handicap, language *see* language disability
- handshapes, in sign languages 539, 559
- Hannay, M. 696
- Hanson, K. 451, 452, 454
- Harari, Old and Modern 365
- Hardcastle, W. J. 151
- Harley, B. 493, 494
- harmony, word order 344–5, 346
- Harnish, R. 411
- Harris, A. C. 94, 103
- Harris, J. 169
- Harris, James, *Hermes* 85
- Harris, Zellig 99
- Hasan, R. 432, 435, 436
- Hasidic Jews, in US 522
- Haugen, E. 490, 526
- Hausa 33, 162
- Hawaiian 29, 159, 529, 530
- Haya 36
- Head-Driven Phrase Structure Grammar 103, 615
- heads 301, 305
- hearing impaired, rights in courtroom situation 690, 691
- Heath, Polyanna 138
- Hebrew 32, 83, 84, 225, 705
abjad 47, 48, 72, 73
as original language 84, 86
revival 522
status in Israel 525
vowel marking 59
- Hebrew linguistic tradition 83–4, 87
- Heim, I. 392n
- Hellenic 21
- Hemnesberget, Norway 523
- Herder, Johann Gottfried von 2, 94
- Herodotus 87
- Hervás y Panduro, Lorenzo 86, 89, 93
- Hervey, S. 697
- Hetzron, R. 32
- hidden Markov models (HMMs) 633–4
- hierarchical tag set 633, 636n
- hierarchies, and conceptual spaces 349–55
- hieratic 46
- hieroglyphic writing 33, 39, 49
Egyptian 45–7 table 3.2, 69, 77
- Higginbotham, J. 392n
- Hiligaynon 28
- Hincks, Edward 78–9
- Hindi 22, 705–6, 708–9, 710, 712n
word order 363
- Hindu grammatical tradition 82
- Hindu legal texts 89
- Hinton, L. 145
- hiragana* 51, 80 figure 3.6
- historical linguistics 105–29, 147, 351, 564
defined 107
- historiography, linguistic 81–104
- history of linguistics 81–104
- Hittite 22
script 45, 49

- Hmong 27–8
 Hmong Njua (Western Hmong) 28
 Hmong-Mien (Miao-Yao) languages
 27–8, 31
 Hock, H. H. 108, 116
 Hockett, C. F. 43, 99, 324
 Hoefnagel-Höhle, M. 494
 Hoem, I. 455
 Hoenigswald, H. M. 86, 89
 Hokan 41
 Hokkien 522
 holism 242–3, 676–7
 Holm, A. 498, 510
 holonym 248
 home immersion, in school-related
 language 651, 656, 663
 home language instruction 532
 “home sign” language model 553, 559
 Homer 82, 450, 452
hominids 5, 16
homo erectus 16
homo habilis 16
homo sapiens 4, 7, 16
 homogenization, linguistic 530–1
 homomorphism 376, 388, 390, 393n
 homonymy 214, 226, 246, 358, 359
 homophony 214
 Hopi 39, 140
 Hopper, P. 331, 333
 Hopper, P. J. 461
 Hovdhaugen, E. 82, 83, 84
 Howard, S. 678, 680
 hPags pa’s script 62, 63 table 3.15, 70
 Huang, C.-T. J. 284, 289
 Huffman coding 632
 Huichol 39
 Hulstijn, J. 499
 human language, compared with animal
 cries 8–9
 human language faculty 2, 4, 300, 466,
 486–7, 533, 553, 555
 autonomous 2, 332–3
 evolution of the 65–6
 Humboldt, Wilhelm von 89, 94, 98, 103,
 291, 296, 580
 humor 595
 Hungarian 22, 88, 352, 361
 preverbs 235–6
 Hurford, J. R. 3
 Huron 39
 Hurrian 25, 45
 Hymes, D. 431–2, 460, 677
 hypernym 247
 hypometabolism, cortical 594, 606
 hyponymy 247–8
 hypothesis testing, in reading 665
 iambic pentameter 450–1, 452, 453, 455
 Ibibio-Efik 35
 Ibn Janāḥ of Cordova, *Kitāb al-Luma’* 83
 Icelandic 21, 171, 174
 iconicity
 and economy 355–62
 in sign languages 12, 543, 551, 559
 in spoken language 562n
 identity
 cultural and literacy 651, 660
 inclusion and relations of 247–51
 language and 518, 526
 linguistic construction of 439, 440
 identity test 245–6
 ideology
 language and 654–5
 role of language in construction of
 440
 Igbo 35, 169
 Ihre, Johan 86
 Ijo 35
 Ijoid 34
 Illič-Svityč, V. M. 25
 illocutionary acts 426n, 433
 Ilocano 28
 immersion programs 516, 529
 vs. direct instruction 649–52, 656, 663
 immigrant languages 527, 528, 531
 immigration
 and language death 527
 and multilingualism 530–2
 imperative mood 219
 imperatives 302–3, 307, 313, 321, 371,
 411
 and tags 298, 312
 implication 372, 412
 implicational universals 97, 103, 185,
 195, 200, 344, 347, 348
 in hierarchies 350
 and linguistic and conceptual distance
 359–60

- implicational universals *cont'd*
 and sequence of word order changes
 364–5
- implicatures
 and contextual implications 411
see also conventional implicatures;
 conversational implicatures
- implosives 162
- Inca quipu 80n
- inchoative 232
- inclusion, identity and relations of 247–51
- incompatibility 251
- incorporating languages 94
- incorporation 146
see also noun incorporation
- indexical pronouns 424n
- India
 language policy 704, 705–6, 708–9,
 709, 712n, 713n
 multilingualism 517
- Indic languages 22, 52
 scripts 52–5, 57, 67, 70, 71
- indigenous languages 137, 514–15
 immersion programs 529
 and immigrants 522
 prestige of 709–10
 and school experience 657–60
- individual terms 371, 375
- Indo-Aryan (Indic) 22, 52
- Indo-European 20–2, 25, 52, 87, 89, 123,
 124, 146–7, 363
- Indo-Iranian languages 22
- Indo-Pacific language group 31
- Indonesia, language policy 704, 705
- Indonesian 364, 463
 segment deletion in borrowings 194,
 197–8
- Indus Valley script 76, 79
- infants
 auditory processing in 468
 communication needs 476–7
 prelinguistic 469–70
see also deaf infants, first language
 acquisition
- inference 401, 433
 non-trivial 407, 425n
 and relevance 409–11
- inferior parietal lobe 599, 601–2
- infinite, and finite 265, 296, 535–6
- inflection 215, 215–23, 236
 and derivation 222–3
 polymorphemic 228–9
see also contextual inflection, inherent
 inflection
- inflectional class 219–20
- inflectional morphology 217
- “informants” 134
- information retrieval, and parsing 615
- inherent inflection 218, 222–3
- inherentness in overlapping antonyms
 254
- initial devoicing 173, 174 figure 7.5a
- “initial symbols” 301
- innateness hypothesis 2, 4, 101, 102, 555
 in deaf children 553–4
- innovations, spread of 110, 112–13, 117,
 120–1, 579
- Input Hypothesis theory, in SLA 504
- inscriptions
 Aramaic and Prakrit 70
 Behistun of Darius 78, 79
 early Chinese 49
 Greek and Palmyrene Aramaic 77
 “Hittite” hieroglyphic 49
 Mayan hieroglyphic 39
 Meso-American 62
 “Proto-Canaanite” 47
 “Proto-Sinaitic” 74
 Sassanian 78
 Urartian 79
- institutional discourse 430–1, 439, 444,
 644
- institutions, social interaction in 660–2
- intelligence, bilingualism and 513
- intelligibility 19
- intensional semantics 375–81
- intensions 373–4, 375
- intentions, speaker’s / author’s 447–8,
 458, 616, 685, 689
- inter-segmental coordination 172–7
- interdental 167
- interference 489, 698
- interlanguage hypothesis 490, 492, 510,
 640
- interlinear translation 696
- “internalized language” 294
- International Association for Applied
 Linguistics 638

- International Association of Forensic Linguistics 683
- International Phonetic Alphabet (IPA) 63, 143, 153, 159, 179 (appendix 7), 182
- International Phonetic Association 153, 159, 182
- International Sign 557, 562n
- internationalization of words 699
- interpretation
 linguistic and non-linguistic 396–401, 423
 in literary texts 447–8, 457–9
 procedural aspects of 400–1, 412
- interpreting
 in courtroom situation 690–1
 modes of 693–5
- interpretive rules, and transformational rules 271–3
- interrogative mood 219
- interrogatives 321, 371
- intersubjectivity 576
- interventions
 clinical 679
 educational 647–8
- interviews 577
- intimacy 579
- intonation 164
- intransitive 339, 415
- Inuit 515, 645
- Inuit-Inupiak 38
- Inuktitut (Inuit) 177
- Iranian languages 22, 365
 script 59, 61, 69–70
- Ireland, language policy 704, 708
- Irish 21, 57, 305, 519, 522, 527, 708
 alliteration 447
 relative clause construction in 309–10
 word order 362, 363
see also Belfast Irish, Old Irish
- irony 447, 458–9
- Iroquoian languages 39
- island constraints 310–11, 312, 316
- isolating languages 94
- isomorphism 356–9
- Israel, language policy 705
- Israeli Sign Language (ISL) 542, 544–5, 556, 557
- Issidorides, D. 499
- Italian 21, 517, 666, 698, 710
 dialects of 711
endecasillabo 451
 in US 527
- Italian Sign Language 557
- Italic 21
- item-and-arrangement morphology 223–4, 230
- item-and-process approach to morphology 229
- Jackendoff, R. 555–6
- Jäger, Andreas 86, 87, 88
- Jakobson, Roman 96–7, 103, 199, 424n, 448, 463, 464
- James, William 467
- Jamiltepec Mixtec 343
- Japanese 23, 23–4, 305, 324–5, 489, 492
 Chinese writing for 49, 51
 haiku 449, 452, 453
 syllabaries 49, 51 table 3.6
 syllable structure 192–4, 196, 197
 writing system 666
- Japanese Sign Language 556, 557
- Japanese-Ryukyuan languages 23–4
- jargon, spread of 120
- Javanese 28, 704, 705
 script 53 table 3.7, 54, 55, 80
 figure 3.6
- Je (Gê) language family 40
- Jespersen, Otto xiii
- Jieng (Dinka) 37
- Johanson, L. 23
- Johnson, J. S. 495, 501
- Johnston, M. 491
- Jones, Sir William 86, 87–91, 93
- Joseph, Brian D. 105–29, 337
- Josephus, Flavius 87
- judges, language of 690
- Jula 34
- Junggrammatiker* *see* Neogrammarians
- jury instructions 690
- Justin, Saint 87
- Kabardian 24
- Kabyle 33
- Kadai 27
- Kado (Kadu) 34
- Kadugli-Krongo 34

- Kakongo 88
 Kalabari Ijo 35
 Kalam 169
 Kalapuyan 41
 Kalenjin 37
Kalevala 457
 Kalmyk 23
 Kam-Sui 27
 Kam-Tai 27
 Kamba 36
 Kamp, H. 333, 392n, 405
kana (syllabaries) 49, 498, 666
kanji (Chinese characters in Japanese)
 51
 Kannada 26, 517
 script 52 table 3.7
 Kanuri 36, 352
 Karachay-Balkar 23
 Karamojong 37
 Karcevskij, Serge 96
 Karen 27
 Karlsson, F. 228
 Karok-Shasta 41
 Kartvelian (South Caucasian) 24, 124
 Kashmiri 22
 Kasper, G. 498, 499, 506
katakana 51
 Kate, Jan Jacob Lodewijk ten 87
 Kātyāyana's rules of interpretation 82
 Katz, J. 299
 Kaufman, T. 40
 Kawaiisu 140
 Kazakh 23
 Kazenin, K. I. 354
 Keenan, E. 342
 Kekchi 39
 Keller, Helen 466
 Kempson, Ruth 394–427
 Kent, R. D. 151
 Kenya 524
 Keresan 38
 Ket 25
 Khalaj 23
 al-Khalīl 83
 Kharia 350, 351
 Kharoshthi script 52 table 3.7, 54
 Khmer 26
 script 53 table 3.7, 54
 Khoekhoe (Nama) 37
 Khoisan 33, 37
 see also Central Khoisan, Northern
 Khoisan, Southern Khoisan
 K'iche' (Quiché) 39, 337, 338–9, 341,
 342–3, 345, 350, 353, 358
 Kikongo 36, 88
 Kilwardby, Robert 84
 Kim-Renaud, Y.-K. 61
 Kintsch, W. 434, 435
 Kinyarwanda 36, 362
 Kiparsky, P. 115, 116, 451, 452, 454, 456
 Kipchak (Northwestern Turkic) 23
 Kirghiz 23
 Kiribati (Gilbertese) 29
 Kirsner, K. 509
 Kirundi 36, 710
 Kituba 36
 Klamath-Modoc 41
 Klavans, Judith 702
 Klein, W. 491–2, 510
 Klima, E. 115
 Knorosov, Yuri 79
 knowledge
 and discourse analysis 442–4
 human compared with animal 10
 knowledge about language 653–60, 672
 knowledge of language 394–6, 397–400,
 555
 procedures for interpreting utterances
 400–1
 in SLA 511
 Koasati 140
 Kober, Alice 79
 Koch, G. 452, 454
 Koehn, E. H. 460
 Koessler, Maxime 698
 Kolokuma Ijo 35
 Kopitar, J. 128n
 Koran *see* Qur'ān
 Kordofanian 34
 Korean 23, 188, 200, 475
 alphabet 62, 63 table 3.15
 Chinese writing for 49, 51
 featural script 62, 70
 Koskenniemi, K. 625, 629
 Kosraean 343
 Kpelle 34, 360
 Krashen, S. 494, 504
 Krasinski, E. 508

- Kraus, Christian Jakob 86, 89
 Krio of Sierra Leone 41
 Kroeber, A. L. 98
 Kroll, J. F. 509
 Kru languages 34, 35
 Kruszewski, Mikolaj 96
 Kumyk 23
 Kuno, S. 325, 329, 330, 332, 335
 Kurdish 22, 172
 Kurds, in Turkey 528
 Kwa languages 34–5
- L2 acquisition *see* second language acquisition
 labeling
 in child language acquisition 475, 652–3
 product 684–5
 labels, in computational phonology 624
 labial 160, 166, 167, 181
 labialization 170, 171
 labiodental 167
 Labov, William 108, 109, 113, 114, 117, 428, 439, 462, 568, 570, 572, 573, 579, 659
 Ladefoged, P. 147, 150, 151, 155, 162, 163
 Laetoli, Tanzania 4
 Lahnda (Western Panjabi) 22
 Lahu 347
 Laka, I. 147
 Lakhota 140, 285, 321–2, 326, 331
 Lambert, W. E. 493
 laminodental 167
 Lampung 28
 Lancelot, C., *Grammaire générale et raisonnée de Port Royal* 85
 Langdon, Margaret 145
 Lango 37
 language
 as an art form 548–9
 complexity of 466, 486
 definition of 19
 essential nature and sign languages 533–4
 neural specialization for 555
 rule-governed nature of xiv
 the similarity of all human 279–85
 as a social fact 96, 563–6, 575–6
 theories of 648–52
 universal core 466–7, 547
 and writing 65–75
 language acquisition *see* acquisition
 studies, first language acquisition, second language acquisition (SLA)
 language awareness, and conscious control 653–60, 663, 672
 language contact *see* contact, language
 language death 526–30
 language disability 673–82
 assessment 679, 681
 causes 673–4
 clarification 677–8
 description 678, 680–1
 diagnosis 676, 678, 679, 681
 grading 680, 681
 intervention 679, 680, 681
 tests of 676
 language disorders *see* aphasiology
 language families 20, 122–4, 126, 363–4
 core of frequently used sounds 153–4
 criteria for establishing 86, 87
 language groups 123
 language identification 152
 language impairment 485–6
 language isolates 123
 language loyalty 515
 language maintenance *see* maintenance, language
 language modeling, via corpus-based methods 631–2
 language pathology 676
 language planning 514, 646, 704–13
 language policy 514, 574
 explicit 704–5
 language shift 522, 526–30
 language socialization 440
 language universals *see* universals
 languages
 classification and listing 86
 common properties of all 3–4
 distribution of 19
 genetically related 19–20, 122–4
 legal equality of 708–9
 origins of differences in 93–4
 use of different forms for same function 460
 see also diversity, linguistic

- languages of wider communication
713n
- languages of the world 19–42
sound inventories 182–3
- langue* 96, 325, 327
- Lao 27
script 53 table 3.7, 54
- Laongo 88
- LaPolla, R. J. 330, 333
- Lapp 88
- Lappin, Shalom 369–93
- Lappish (Saamic) 22
- laryngealization 164, 171
- larynx 159, 160, 162, 163
position in humans 4–5
- Lascaux cave paintings 6
- Lashley, K. S. 596
- Lasnik, H. 272, 274, 276
- lateralization, and language 558, 594–5
- Latin 15, 21, 47, 85, 88, 124, 226, 519,
699
alphabet *see* Roman alphabet
changes in 113, 114, 115–16, 118
consonant deletion in 200–1
- Latvian 21, 352
songs 454
- Lauttamus, T. 177
- Laver, John 150–79
- law, and language 683–91
- lax 173
- learnability 300, 312
- learning
to read 668–70
to spell 670–1
- learning algorithm 484
- learning language 466–7
as habit formation 640
- leather 74
- Lee, Felicia A. 146
- left anterior negativity (LAN) 606
- leftmost derivation 635
- Leibniz, Gottfried Wilhelm 86, 87, 89,
93
- Lemnian 25
- Sendu (Badha) 37
- Lenneberg, Eric H. 101, 466, 493, 553
- Leopold, W. 508
- Lepcha of Sikkim script 70
- Leskien, August 92
- letter names 72–5 table 3.18
- letter order 71–2
- letters
correspondence with phonemes
666–7
inventories of 52
used as numerals 72
- Lëtzebuergesch 574
- levels of representation
in language processing 586
and locality conditions 413–14
- Levelt, W. J. M. 505
- Lévi-Strauss, Claude 96
- Levinson, S. 322, 403, 405
- lexeme 214, 236, 239
the structure of the 231–6
- lexeme concept 213–14
and Item-and-Arrangement theory 224
- lexical categories 267, 301
- lexical entry 214
- lexical fields *see* word-fields
- lexical forms 239
- lexical groups, in child language
acquisition 481–3
- lexical heads *see* heads
- lexical hierarchies 259–62
branching 259–60
non-branching 259, 260
- lexical integrity 213, 234–6
- lexical items *see* words
- lexical level 586
- lexical parallelism 462, 463, 464
- lexical relatedness, four types of 232–3
- lexical semantics 242–4
componential/localistic approach
243–4
conceptual approach 244
contextual/holistic approach 242–3
see also word meanings
- lexical units 239
- Lexical-Functional Grammar 103, 615
- “Lexicalist Hypothesis” 102
- lexicography 245, 264
- lexicon 238–64, 301, 426n
one or two in bilingualism 509
in second language teaching 654
- “lexigrams” 12
- Li, C. N. 325, 435
- Libya 710

- Lichtheim, L. 584, 600, 601
 Liddell, S. K. 536–8
 Lieber, R. 228–9
 Lieberman, P. 4, 493
 Lieberson, S. 527
 Lightbown, P. 491
 Lillo-Martin, Diane 533–62
 Linear A 49, 76
 Linear B 49, 50 table 3.4, 79
 Lingala 36
 lingua franca 41, 574
 “lingual” mechanism *see* velaric
 airstream mechanism
 “linguistic areas” (*Sprachbund*) 97
 linguistic distance 359–60
 linguistic engineering, imperfections in
 17
 linguistic parallelism 464
 linguistic phonetics 150–79
 the coverage of a theory of 153–4
 and general phonetic theory 151
 the scope of 151–3
 linguistic relativity 97, 580–1
 linguistic resources for doing and being
 439–44
 Linguistic Society of Paris 2
 linguistic theory
 development in twentieth century
 325–9
 as formal 576
 (since 1957), and Chomsky 100–3
 linguistics 295
 as a discipline xiv, 150
 history of 81–104
 and literature 446–65
 as *Naturwissenschaft* or *Geisteswissenschaft*
 93–4
 and reading 664–72
 role of theory in 335
 as a science xiv, 99
 semiotics and writing 79–80
 linguolabial 167
 linking vowel 220
 liquids 181
 literacy 75, 148, 486
 “academic” 654, 656
 and direct phonics instruction 650–1
 early 653–4
 the effects of 672
 literacy studies, “Toronto school” 75
 literal meaning 257–8, 397, 458
 literal translation 696–7
 literary linguistics 446–8
 literary rules 446–7, 448, 465
 literary texts
 linguistics and 448–9
 and literary rules 446–7
 parallelism in 462–5
 sources of interpretive difficulty in
 457–9
 literary tradition 710
 literature
 linguistics and 446–65
 as a special kind of verbal behavior
 448–9, 460–2, 464
 Lithuanian 21
 Llyud, Edward 86, 88
 loan translations 121
 loan-words, as prestige markers 526
 localism, in lexical semantics 243–4
 locality 306–7, 314
 restriction on pronouns 413–14
 localizationist theories of the brain for
 language 596–7, 598–601
 Locastro, V. 499
 Locke, John, *Essay Concerning Human
 Understanding* 85
 locutionary acts 426n, 433
 logic 82, 84, 425–6n
 compared with ordinary language
 404
 first-order 371–5, 391n
 logical form 399, 458, 650
 and phonological form 447–8
 logical theory *see* semantic analysis
 logograms, phonetic complements in 47
 logographic readers 669–70
 logographic script 43, 45, 67
 logosyllabaries 43, 69
 of the New World 61–5
 old world 44–51
 Lombard 711, 713n
 Lomwe 36
 London Cockney 164
 Long, M. 504
 Lopez, Felipe 144
 Loprieno, A. 33
 Lottner, Carl 124

- loudness 161
 Lower Chinook 97
 Luba-Kasai 36
 Luba-Shaba 36
 "Lucy" *see* *australopithecus afarensis*
 ("Lucy")
 Luganda 36
 songs 455
 Lugbara (High Lugbara) 37
 Luiseño 140
 lungs 159, 162
 Luo (Dholuo) 37
 Luo (Lwo) 37
 Luvale 36
 Luvian 49
 Luyia 36
 Lwidakho 524
 Lwo (Luo) 37
 Lyons, J. 242, 244

 Maasai 37
 McCarthy, J. 194, 206, 225
 McCloskey, J. 309–10
 McDonough, S. 505
 Macedonian 21, 121
 machine translation 317, 702
 and parsing 615
 machine-aided human translation
 (MAHT) *see* machine translation
 MacNeilage, Peter 469, 562n
 macro-sociolinguistics 572–5
 macrostructure 434
 MacWhinney, Brian 333, 466–87, 498
 Maddieson, I. 147, 151, 162, 163, 183,
 185
 Madurese 28
 magnetic resonance imaging (MRI) 13,
 582
 magnetoencephalography 582
 Maidu 41
 maintenance, language 530, 645
 Maipurean languages 40
 Maithili 22
 Major, R. 498, 509
 Makassarese 28
 Makonde 36
 Makua 36
 Malagasy 28
 Malay 460, 516, 522, 526, 705
 Malay-Indonesian 28
 Malayalam 26, 517
 script 53 table 3.7
 Malayo-Polynesian languages 28
 Malinowski, B. 432
 Maltese 32, 574
 Manchu 23
 alphabet 61 table 3.14, 62, 70
 Mandaic abjad 47, 48
 Mandarin Chinese 23, 26, 27, 324–5,
 349, 351, 352, 355, 362, 522, 710, 711
 Mande languages 34
 Mangbetu 37
 Manichean script 59, 60 table 3.13
 Maninka 34
 Manipuri (Meithei) 27
 Maori 29
 immersion program 529, 530
 Rarotongan 177
 Marathi 22
 Margany 171
 Maricopa 138, 140
 markedness 97
 universal 347–9
 see also typological markedness
 markers, non-manual grammatical in
 sign language 537, 561n
 Markov property 633–4
 Martha's Vineyard 117, 573
 Martin, Robert 139–40, 591–2
 Marxist models of social class 567
 Masica, C. P. 22
 Mathesius, V. 328–9, 436
 Matisoff, James 25
 matres lectionis 47
 Mauritius, French-based creoles 41
 Maya hieroglyphs 62, 79
 Maya syllabary 64 table 3.16
 Mayan languages 39, 68, 653
 Mbundu *see* Northern Mbundu,
 Southern Mbundu
 meaning
 arbitrary relationship between words
 and 12
 assignment of more than one 389–90
 encoded 342, 396, 400
 extensions and change 257–9
 and form 356–9, 446, 447–8, 457–62,
 584–5: in sign languages 556–7

- grammar vs. 325
 and language universals 346–62
 possible language-world connections 369
 properties of 650
 specialization of 259
 and use 394–6
- meanings
 cumulation of 226
 and denotations 370–81
 fusion of 226, 356, 357
 and situations 385–8
- medial phase 165
- Medlpa 30
- Meier, Richard 551
- Meillet, Antoine 96, 103
- Meisel, J. M. 491, 502, 508
- Meithei (Manipuri) 27
- Mekeo 360
- memory
 and auditory processing 467–8
 interpreter's in simultaneous interpreting 694
see also semantic memory, short-term memory, working memory
- Mende 34
- mental lexicon 263, 458, 666
- mentalism 100
- Meroitic 37
- meronymy 248, 260, 261–2
- Meso-America, languages of 39
- Mesopotamian cuneiform 44–5, 46
 table 3.1, 66, 68, 74, 78
- meta-description, in narrative 461, 465
- metalanguages 335, 653–6, 660, 672
- metaphor 258, 395, 447, 458, 595
 as an enrichment process 414–15
 stereotyped meaning 458
- metaphorical extension 258
- meter 446, 448, 449–51
 and cognition 453–4
 and phonological parallelism 463
 rhythmic 449
 role in songs 455
see also accentual meter, quantitative meter
- metonymy 258–9
- metrical foot (feet) 187, 450
- metrical lines 449, 451
- metrical rules
 in metrical traditions 452–3
 and phonological rules 450, 453–4
- metrical strength, and phonological strength 449–50
- metrical structure, and phonological structure 449–54
- metrical systems, distribution of 455
- metrical theory, methodological and conceptual problems for a 452–3
- metrical traditions, metrical rules in 452–3
- Mexican-Americans 526
- Miao-Yao (Hmong-Mien) languages 27–8
- micro-sociolinguistics 567
- Micronesian languages 29
- Middle English 105–6, 113, 114
- Mien 27–8
- Milan, Carlo 699
- Milberg, W. 589–90, 602
- Milroy, James 569–70
- Milroy, Lesley 569–70, 573
- mimetic culture 10
- Min *see* Northern Min, Southern Min
- Minangkabau 28
- minimal pairs 186
 in ASL 540 figure 22.2
- Minimalist program 102, 146, 511
- minority languages 516–17, 518–19, 530
- mirror writing 671
- misarticulation 677
- Mitterrand, François 515
- Miwok-Costanoan 38, 41
- Mixe-Zoquean languages 39
- mixed categories 234
- Mixtec 39
- modality
 iconicity and grammatical structure 559, 560
 and point of view 459
- mode, in discourse 432
- modification 587
 Davidson and Montague's analyses compared 376–8
- modifiers 287–8
 order of 343–4
- Modistae* 84–5
- modus significandi* 84–5

- Mohawk 39, 146
 compared with English 285–94
- Mojave 140, 142
- Mon 26
- Mon-Khmer 26
- Monboddo, J. B., Lord 89
- Mongolian 23, 70, 711
 script 61 table 3.14, 62, 70
- Mongolic languages 23
- monolingualism 704, 706
 de jure or de facto regionally defined 709
 imposed 707, 709–10
- monolinguality 468, 488
- monophthong, articulation of 172
- monosemy 358, 359
- Montague grammar 375–81, 388–9, 390
- monumental writing style 46
- mood 219
- Moore 34
- mora 449
- Morocco 710
- morph 223
 one and no meaning 227
 one and two meanings 226
 two and one meaning 226
- morpheme 66, 96, 213, 327
 concept 223–31
 defined 214
 null 226–7
 order 228–9
- morpheme theory, classical 233, 236
- morphological classification 98, 477
- morphological level 586
- morphological representation, and
 typological markedness 346–9
- morphology 82, 213–37, 266, 543
 see also agglutinating morphology,
 computational morphology,
 concatenative morphology,
 derivational morphology, non-
 concatenative morphology,
 processual morphology
- morphosyllabary *see* logosyllabary
- morphotactics 224
- Moscow Linguistic Circle 96
- mother
 inheritance of mitochondrial DNA
 from 6–7
 preference in babies for voice of 468
 “mother tongue,” in historical and
 biological senses 7
- motivated sign languages 12
- motivation 334, 341
 communicative for the selection of
 linguistic forms 429–38
 competing in typology 344–5, 363
 iconic *see* iconicity
 see also economy
- motor strip, proximity to Broca’s area
 14, 17
- Mountford, J. 43
- mouth 159, 160
- Moutier, François 600
- Mueller, Max xiv
- Müller, Friedrich 94, 98
- Müller, N. 502
- multilingualism 512–32
 individual vs. societal 516–17
 modern 530–2
 origins of 513–16
 role in language change 128n
- multivariate analysis 577
- Munda 26
- Mundari 26
- Munro, Pamela 130–49, 341
- Murdoch, Rupert 514
- murmur *see* whispery voice
- Murtha, S. 604
- musical form, and phonological form
 454–5
- musicology, linguistically sensitive
 454–5
- Muskogean language family 39, 225–6
- mutual exclusivity, and competition
 474–5
- Muysken, Pieter 40, 507
- Myers-Scotton, C. 507, 523
- mythic culture 10
- Na-Dene 31, 38, 40
- Naadh (Nuer) 37
- Nabatean script 47, 49
- Nahali (Nihali) 30–1
- Nahuatl 39, 176, 291
- Nakh-Daghestanian 24
- Nama (Khoekhoe) 37, 162
- naming problems 584, 588

- Naoi, K. 501
 narrative 444, 460–2
 boundary-markers in 461
 episodes in 460
 “evaluation” in a 462
 interpretation of 460–2
 vernacular in school 657–60, 662
 nasal stop 169
 complex oral 169
 post-occluded 169
 pre-occluded 169
 nasalization 170
 anticipatory 177
 nasals 169, 181
 syllabic 212n
 Nation, I. S. P. 505
 nation-state, and language 514–15, 574
 national languages 574, 704–6
 of administration 705
 factors in selection of 704, 708–11
 and official languages 707–9
 national/regional language systems
 704, 709–10
 nationalism 704, 710–11
 Native American languages 75, 97, 98,
 528, 645
 natural language technologies 317, 622
 natural languages
 complexity of 269
 formal truth definitions for 375, 392n
 natural selection 17
 natural sign languages 533–62
 Navajo (Navaho) 38, 140, 475–6, 545,
 556, 557
 Ndo 37
 Neanderthals 4
 near synonymy 249, 250–1
 needs
 communication in infants 476–7
 communicative and discourse 429–38
 negation 372
 sentential 372
 negative transfer 698
 Nemser, W. 490, 492
 Neogrammarians 92–3, 94, 125
 Neopolitan 711
 Nepali 22
 Netherlands, Sign Language of the
 557
 Nettle, D. 20
 Neufeld, G. 495
 neural net models *see* parallel
 distributed processing (PDP)
 models
 neural networks model 348–9, 481,
 483
 neural system, processing language
 555, 593–4
 neurobiology, and origins of language
 13–15, 17
 neuroimaging, functional 467, 486, 582,
 600, 606–7
 neurolinguistics 582–607
 and sign languages 533, 554–5
 neurophysiology 477, 486
 neutral articulations 166, 167 figures 7.2
 and 3
 neutralization 206–7
 New York, Puerto Ricans in 518, 568
 Newmeyer, F. J. 2, 17, 312
 Newport, Elissa 495, 501, 503, 556
 Ngambay (Sara-Ngambay) 37
 Ngbandi 35, 41
 Nicaragua, sign language 553–4,
 559–60
 Nichols, J. 20, 330
 Niger-Congo languages 33–6, 37, 124
 Niger-Kordofanian 34
 Nigeria
 language policy 709–10
 Pidgin of 41
 Nihali (Nahali) 30–1
 Nikolayev, S. L. 24
 Nilo-Saharan language families 34,
 36–7
 Nilotic languages 33, 37
 see also Eastern Nilotic languages,
 Southern Nilotic languages
 Nivkh (Gilyak) 25
 Nobiin 37
 nominalization 461, 656
 deverbal 234
 non-alphabetic societies 75
 non-communicative verbal behavior
 321
 non-compositional semantics 215,
 389–90, 393n
 non-concatenative morphology 224

- non-configurational languages 146, 286
 non-literate societies 76
 non-native speakers, rights in courtroom
 situation 690–1
 non-transformational analyses 313–17
 non-verbal communication 676, 677
 Nootka 38, 146
 North America, languages of 38–9
 North Caucasian family 24, 31
 North Germanic 21
 Northeast Caucasian 24
 Northeastern Turkic (Siberian) 23
 Northern Dravidian 26
 Northern Hokan (Yana) 41
 Northern Khoisan 37
 Northern Mbundu 36
 Northern Min 27
 Northern Ndebele 36
 Northern Sotho (Pedi) 36
 Northern Uto-Aztecan languages 39
 Northwest Caucasian 24
 Northwest Semitic 32
 script 67–8, 69, 72
 Northwestern Turkic (Kipchak) 23
 Norwegian 21, 523, 526
 Norwich 568
 Nostratic proposal 25, 31, 124
 noun incorporation 216–17, 235, 462
 noun phrase (NP) 301
 copy referential index onto a pronoun
 272–3
 Davidson and Montague's analyses
 compared 378–80
 topic 324–5, 328
 Nubian languages 36–7
 nucleus 187, 191, 455
 null morpheme 226–7
 Number 228–9, 346–7
 numeral and adjective word order,
 attested vs. unattested 343–4
 table 14.1
 numerals, characters for 68–9, 72
 Nung (Rung) 27
 Nunggubuyu 337, 338–9, 341, 343
 Nupe 35
 Nyakyusa-Ngonde 36
 Nyamwezi 36
 Nyanja 36
 Nyankore 36
 Oakland School, Ebonics War 711
 object 271, 339
 “object concept,” in child development
 470
 “oblique” 351
 obstruents 189, 200
 Occam's razor *see* economy
 Oceania, languages of 25–31
 Oceanic languages 28–9
 Ochs, E. 429, 437, 439, 440, 445
 Ocracoke Island dialect 645
 official languages 516, 706, 707
 offset phase 165
 Ogham 57 table 3.10, 74
 Oghuz (Southwestern Turkic) 23
 Ohala, J. 119, 153
 Ojibwa (Ojibwe) 39, 460
 Oksaar, E. 508
 Old Chinese 27
 Old Church Slavonic 55
 analogical change to modern Polish
 349 table 14.3
 Old Cyrillic script 56
 Old English 105–6, 113, 449
 Old French 699
 Old Irish 113
 Old Persian 78, 88
 syllabary 49, 50 table 3.4
 Old Slavic 73, 74
 Old-Babylonian grammatical tradition
 81–2
 O'Malley, J. 505
 Omotic languages 32, 33
 onset 187, 190, 191, 455
 onset phase 165
 O'odham (Pima-Papago) 39
 operant conditioning 101
 opposites 251–5
 opposition, relations of and exclusion
 251–5
 optative mood 219
 optimal relevance 409–11, 414, 421–2,
 425n
 Optimality Theory 115, 128n, 194–5,
 206, 626
 oral 160
 oral culture 75
 oral performance 448
 Oregon Penutian 41

- origins of language 1–18, 126, 128n
 Christian theories 84
 Greek theories of 82, 85, 86
 linguistic evidence for 15–17, 88
- Oriya 22
 script 52 table 3.7, 55
- Oromo (Galla) 33
- orthographic rimes 667
- orthography
 phonemic in transcription 144
see also spelling
- Osthoff, Hermann 92
- ostraca* 74
- Otomanguean languages 39
- Otomí 39
- Otsu, Y. 501
- overgeneralization, in child language
 acquisition 472–3, 479–81, 485
- overlapping antonyms 252, 253, 254
- overlapping phase in articulation 165
- Oyrot (Altai) 23
- Ozog, A. C. K. 526
- P600 (syntactic positive shift (SPS)) 606
- Padden, C. A. 538, 539
- Pahlavi script 59, 60 table 3.13
- palatal 166, 167, 181
- palatalization 170, 171, 220
- palatoalveolar 170, 181
- Palauan 29
- Paleoasiatic 25
- paleogeography 76
- Paleosiberian 25
- Pali 22
- Pallas, Peter Simon 86
- Pama-Nyungan language family 30
- Pampangan 28
- Pangasinan 28
- Pāṇini grammatical tradition 70, 82, 93
- Panjabi
 in UK 524, 526
see also Eastern Panjabi, Western Panjabi
- Panoan languages 40
- Panoan-Tacanan language family 40
- paper 75
- Papuan language families 29–30, 31
- papyrus 46, 74
- paradigm 218
 change 115–16
- paradigmatic isomorphism 358–9
 table 14.7
- paradigmatic sense relations 247–55,
 325–6, 327
- Paradis, J. 509
- Paraguay, language policy 521–2, 704,
 710
- paralinguistics 151, 165
- parallel distributed processing (PDP)
 models 596, 597
- parallelism 446, 448
 “canonic” 463
 in a literary text 462–5
 requirement (Chomsky) 464
- parameter 100, 293–4
- parameterization, and Universal
 Grammar (UG) 285–94
- parchment 74
- parent language *see* proto-language
- parents, and child language acquisition
 473, 485–6, 487
- Parkinson, S. 172
- parole* 96, 325, 326–7
- parse tree 631, 634–5
- parsing 313, 396–7, 608–15, 622
 bottom-up 609–11
 as dynamic programming 613–14
 recursive-descent 611–12
 scaling up 614–15
 as search 609–13
 sequential 426n
 shift-reduce 610–11
 top-down 609, 611–12
- Parsons, Talcott 567, 576
- part-of-speech (POS) tagging 622, 631,
 633–4
- part-whole relation 248, 261–2
- Parthian script 59, 60 table 3.13
- partial representation 389–90, 391
- participant observation 141–2, 577
- participles 234
- partonymy *see* meronymy
- parts of speech
 origins of 82–3
see also grammatical categories
- Pashto 22
- passive articulator 165
- passives 327–8
- passivization 461

- Patañjali's commentary 82
 Paul, Hermann 92, 94
 "paused" speech, for computer-assisted translation 702
 Pawley, A. K. 29, 169
 pedagogy
 "process writing" 649
 progressive 648–9
 "whole language" 647, 648, 649, 668, 669, 670
 Pedersen, Holgar 86–90, 94
 Pedi (Northern Sotho) 36
 pejoration 259
 Penn Treebank 614–15
 Pennsylvania Dutch *see* Amish, Old Order
 Pentlach 97
 Penutian 41
 perception, how knowledge and experience affect 664
 perceptual level of description of speech 156
 Percival, W. K. 84
 percolation 224
 Perdue, C. 491–2, 510
 performance 298, 424
 and applied linguistics 642
 "graceful degradation" after brain damage 597
 literary text as context of 448
 vs. competence 326–7
 periodic meter 450
 perisylvian association cortex,
 organization for language 593
 figure 24.1, 594, 595, 596–7, 601
 Perkins, M. 678, 680
 perlocutionary acts 426n, 433
 Permic 22
 Perrault, C. R. 616
 Perry, J. 392n
 Persian 22, 89, 113
 see also Old Persian
 perspectives, and discourse analysis 442–4, 461
 Peul (Fula, Fulfulde) 34
 pharyngeal 166, 167, 184
 pharyngealization 170, 171, 184
 pharynx 4, 159, 160
 phases of a segment 165
 Philippines 712n
 philology 76
 philosophical grammar 84–5
 Phoenician 32
 abjad 47, 48, 54, 67
 script 77
 phonation
 modes of 163
 type 163–4
 phoneme 66, 95, 96, 98, 156, 327, 586, 670
 defined 186
 realization in different contexts 201–22
 phonemic awareness 669, 670–1
 phonemic patterns 151, 152
 phonemic translation 697
 phones 186
 phonetic complements, in logograms 47
 phonetic description, and phonological analysis 676
 phonetic equivalence 155–6
 phonetic features
 and phonological features 157–8
 relationship with phonetic segments 157, 164–5
 universal set of 157–8
 phonetic handicap 677
 phonetic quality of sounds 161
 phonetic segments *see* segments, phonetic
 phonetic similarity 155–6
 phonetics 126, 150, 685
 linguistic 150–79
 phonics instruction 650–1, 668, 669
 phonological awareness 650–1, 672
 phonological constituents 449, 451–2
 phonological development,
 simplifications in child 471–2
 phonological features
 natural classes of 158, 200
 and phonetic features 157–8
 and segmenthood 198–201
 phonological feet 449
 phonological form
 and logical form 447–8
 in metrical texts 449–51
 and musical form 454–5

- phonological parallelism 462, 463
 phonological rimes 667
 phonological rules
 changes in 115–16
 computational modeling of 624–5
 and metrical rules 453–4
 phonological strength 449
 phonological structure, and metrical
 structure 449–54
 phonological transfer in SLA 498, 499, 508
 phonology 147, 150, 180–212, 424n,
 622–6
 defined 181
 as a system 211
 phrasal category labels 301
 phrase structure 269–71, 335
 phrase structure grammars, parsing 609
 phrase structure rules 269–71, 283–4,
 301, 305
 phrases 300
 distinguished from compounds 215
 hierarchical structure and left-to-right
 ordering 305
 as projections of lexical heads 305
 “phyla” 29
 Piaget, Jean 470
 pictograms 74
 pictographs 49, 68
 pidginization 575
 pidgins 15, 41, 513
 Piedmontese 711
 Pienemann, M. 491
 Pijin of the Solomon Islands 41
 Pilipino 712n
 Piltown Man 5
 Pima 140
 Pima-Papago (O’odham) 39
 Pinker, Steven xiii, 2, 17, 100
 pitch 161, 164
 Pitman shorthand 63
 place of articulation 161, 166–8, 181
 co-articulatory anticipations of 177
 displaced articulation 167 figure 7.3
 homorganic 169
 multiple 170–1
 neutral 166, 167 figures 7.2 and 3
 place nodes 206
 plan-based approach, to discourse
 analysis 433–4, 616–22
 Plateau Penutian 41
 Plato 85, 480
 Cratylus 82, 83, 106, 107
 pleonastic extensions 472
 plural inflection, in different languages
 349–51 figure 14.2
 Pochutec 97
 poetic traditions 455–7, 659, 660
 poetry, sign language 548–9
 point of view, communication of 457, 459
 “pointing” 59
 polar antonyms 242, 253
 polarity (negation) 219
 Polish 21, 318n
 analogical change from Old Church
 Slavonic to 349 table 14.3
 Final Devoicing 206–9
 Vowel Raising 208–9
 politeness 579–80
 political consciousness, and attitudes to
 languages 526, 574
 Pollard, C. 313
 polyglossia 522
 Polynesian languages 29
 polysemy 214, 236, 246, 358, 359
 see also systematic polysemy
 polysynthesis 146, 149n
 Pomo 41
 Poplack, S. 506
 Port Royal grammarians 85
 Portugal, language policy 706
 Portuguese 21, 172, 710
 Poser, W. J. 452
 positron emission tomography (PET)
 13, 558, 582, 603, 606, 607
 Posner, M. L. 603
 possession
 alienable 360
 inalienable 360
 linguistic distance in expressions of
 360–1 table 14.8
 possible worlds 374
 Postal, P. 298, 299, 302
 Potter, Brian C. 146
 Poulisse, N. 506
 “poverty of the stimulus” argument
 (Chomsky) 102, 299, 300
 power, role of language in construction
 of 440

- power asymmetries 576–7
in courtroom situation 690–1
- practice, and theory in language teaching 639–42
- pragmatic competence, in second language acquisition 644
- pragmatic speech functions, transfer in 498
- pragmatics 322, 330–1, 334, 394–427, 677, 685
as the application of conversational principles to sentence meanings 396–401
defined 395–6
and literary texts 447–8
as meaning minus truth conditions 404–5
of mutual cooperation 475
- Prague School 328–9, 346, 436
and its antecedents 96–7, 103
- Prakrit 54, 59, 70
- pre-aspiration 174, 175 figure 7.5b
- predicates 371
and arguments in syntactic development 476–7
k-place 375
true-in-L 375
see also complex predicates
- predication 320
- predictiveness 334, 351
- prepositional phrase (PP) 301
parsing a string 612–13, 614
- prescriptive grammar 295, 446
- prestige 519, 710–11
in language policies 709–11, 712
of variants 120, 363
women and norms 579
- Price, B. 494
- primary social language 652
- primates
cognitive abilities 10–11
and genetics 6
sign language experiments 11–13
vocabularies 8–9
vocal call systems 8–9
- primatology, and origins of language 7–13
- Prince, A. 194, 195, 225, 450
- Prince, E. 330, 435
- principal exponent 226
- principles 100, 293
- Principles and Parameters approach 102, 283
and SLA 500–3, 504
- printing from movable type 75
- Priscian, *Institutiones grammaticae* 83, 84
- pro-drop languages 500
- probabilistic context-free grammar (PCFG) 635–6
- probability theory 577
- problem-solving actions 621–2
- procedural knowledge 10
- “process writing” pedagogy 649
- Processability theory 491
- processing
brain damage and language 586, 589
conscious and unconscious aphasic disturbances 589–90, 602–3
interaction between linguistic and general 413–23, 555, 593–4
language 341, 345
- processual morphology 225–6
- product liability 684–5
- production
complementary with reception 676
disorders of language 675
- productivity 216, 458
in child language acquisition 478–9
- profiling, linguistic 686
- projection principle (extended) 271
- pronominalization, sentence-internal 334–5
- pronouns
binding principles 306–7
context-dependence of 424n
gender and number of 323, 324, 348
locality conditions 413–14
resumptive use of 420–1, 422
and truth-conditional semantics 405–6
see also E-type pronouns, relative pronouns
- pronunciation disturbance 674, 677
- proposition 399, 412, 425n, 458, 656
- propositional attitudes 458–9
- propositional knowledge 10

- propositional structure 396
 order of expressions in 426–7n
 syntax as building 413–14, 415–23
 tree structure 416–19
 propositional synonymy 249, 250
 prosodic declarative analysis 623
 prosodic word (PwD) 187–8
 prosody, in sign language 541–2
 “Proto-Canaanite” inscriptions 47
 Proto-Germanic 90
 Proto-Indo-European 90–1, 114, 123
 proto-language 122, 124
 and “true” language 15–16
 Proto-Semitic script 47–9
 “Proto-Sinaitic” inscriptions 74
 “proto-world” 126, 128n
 Proyard, Abbé Lievin Bonaventure,
 Histoire de Loango, Kakongo . . . 88
 psycholinguistics 68, 130, 131, 313,
 650–1, 674–5
 psychology
 and language learning 467, 483–5,
 505, 643, 676
 relevance of grammar to 299–300, 312
 Pullum, G. 63, 305
 pulmonic mechanism 162
 Pulvermüller, F. 496
 “pure word deafness” 584, 600
 purpose clauses 354

 Qiang 27
 Qimḥi David, *Sepher mikhlol* 83
 quantifier storage 389
 quantifiers 371
 every and *same* 372–3, 375, 379–81
 as second-order functions 372
 usually 387–8
 see also existential quantifier,
 generalized quantifiers (GQs),
 universal quantifier
 quantitative meter 450
 Quebec, language policy 707–8
 Quechua 40
 Quechumaran 40
 questionnaires 577
 questions *see* interrogatives
 Quiché *see* K’iche’
 Quine, W. V. 473
 Qur’ān 32, 59, 83, 519

 Radcliffe-Brown, A. R. 569
 Rajasthani 22
 Ramoni, C. 591–2
 Raphaelengius (Ravlenghien) 87
 Rask, Rasmus 86, 88, 90, 93, 124
 Rawlinson, H. C. 79
 Read, C. 151
 reading
 bottom-up processing 664–6
 comparison of good and poor 665
 eye movement studies 665
 hypothesis testing 665
 intensive program for dyslexics 671
 learning 668–70
 and linguistics 645, 664–72
 and meta-awareness of the
 phonological code 651
 phonics instruction 650–1, 668, 669
 and sequential parsing 426n
 sounding out 668
 top-down processing 664–6
 whole language approach 668, 669,
 670
 readings
 established 257
 literal 257–8
 non-literal 257–8
 nonce 257
 reasoning processes 397, 401–12
 and knowledge of language 397–400
 rebus principle 45, 68
 Received Pronunciation (RP) 163
 recipes, generic in discourse analysis
 618–20 figures 25.3 and 5
 reconstruction, by comparative method
 92, 107, 123
 recursive descent in parsing 611–12
 recursive function 266–7
 recursive rules 267, 296–7, 301, 370, 391n
 recursiveness
 in sign languages 535–6, 560
 vs. subordination 536–8
 reduplication 225
 Rees-Miller, Janie 637–46
 reference 320
 ambiguity in criminal cases 688
 broadening of 114
 reference tracking in discourse 322–4,
 332, 333

- referential dependence 381
 referentiality, and discourse analysis 434–5
 reflexives 306–7
 and language disorders 591
 Regan, V. 495, 510
 regional cerebral blood flow (rCBF) 558, 582, 598, 603
 register 509, 652
 regular languages, set of 624
 regular relations, set in computational phonology 624–5
 reinforcement theory, babbling and 469
 Relander, Adriaan (Hadrianus Relandus) 86
 Relational Grammar 103
 relative clauses 277–8, 318n, 354
 interpretation of 419–23
 relative pronouns 419–23
 relativism, linguistic 580–1
 relevance
 principle 407–9
 principle in translation 697
 and the recovery of what is “said” 409–11
 and speech acts 411–12
 relevance theory 400, 407–12, 457
 reliability, and human language 9
 religion
 and language 519, 710
 and origin of language 2
 repair organization 437
 repair trajectory 437
 repetition, lexical and syntactic 659
 representation
 surface and underlying 204–11
 see also levels of representation;
 morphological representation
 representationalism 425n
 representations, underspecified 388–90
 research methods, from social sciences 577
 resonants 168
 back 168
 central 168
 close-mid 168
 front 168
 labial velar 170
 nasal 169
 open 168
 open-mid 168
 palatalized voiced alveolar lateral 170
 rounded 168
 unrounded 168
 velarized voiced alveolar lateral 170
 voiced alveolar lateral 169
 restriction of function 114
 retroflex stop, voiced postalveolar 171
 Reuchlin, Johannes, *De rudimentis Hebraicis* 83–4
 Réunion, French-based creoles 41
 reversibility, in computational phonology 624, 625
 reversives 254–5
 rewrite-rules, string-based 623–5, 634–5
 Reyle, U. 333
 Rhaetian 25
 rheme 328–9
 rhetoric 82
 rhetorical effects 395, 397, 414
 rhetorical goal, in discourse analysis 432–3
 rhetorical management 433
 rhetorical structures 433
 rhyme 456
 and alliteration 455–7
 systematic 456
 Richelieu, Cardinal 711
 Rigveda, Sanskrit 451
 rime 191, 455, 667
 Rindi, Indonesian 463
 Ritwan languages 39
 Ritwan-Algonquian family 98
 Rogoff, B. 652–3
 Role and Reference Grammar (RRG) 330–1
 roles
 grammatical representation of participant 10
 linguistic construction of 440
 Rölle, L. J. 701
 Rom (Gypsies) 22
 Romaine, Suzanne 507, 512–32, 576
 Roman alphabet 52, 55, 57, 61, 67, 69, 337
 Roman linguistics 83, 84
 Romance languages 21, 219
 Romani languages 22

- Romanian 21, 121
 Romanies, in Finland 516
 Romantsch 517
 root 262
 bound 223
 root nodes 200–1, 206
 Rosetta Stone 77–8
 Ross, J. 277, 310
 Rotokas, sound inventory of 185
 Rousseau, Jean-Jacques 2
 Routledge Language Family Descriptions 20
 Ruhlen, M. 7, 20, 31
 rule function morphology 229–31, 236
 rules xiv, 100, 115–16, 209
 cognitive and cultural 446
 grammatical 296
 of impoverishment 231
 internalization of 369
 linguistic and social norms 572
 optionality of 273
 ordering of 209
 recursive 266–7
 of referral 230–1
 runes 55, 57 table 3.10, 74
 Rung (Nung) 27
 Russell, Bertrand 300, 493–4
 Russian 21, 113, 218, 328–9, 494
 adjective agreement 221–2
 case system 226
 noun classes 219, 226–7
 participles 234
 script 56
 verb classes 220, 232–3
 Russian metrical theory 452
 Ryukyuan languages 23–4
- Saadya ben Joseph al-Fayyūmī (a.k.a. Saadya Gaon) 83
 Saamic (Lappish) 22
 Sabeian abjad 47, 48, 58
 saccade 665
 Sacy, Antoine Isaac Sylvestre de 78
 Sag, I. A. 312, 313
 Sahaptin 41
 Sajnovics, Johannis (János) 86, 88, 90
 Sakha (Yakut) 23
 Salinan 41
 Salishan 38
- Salmasius, Claudius (Claude Saumaise) 87
 Sami, in Finland 515, 516, 529, 530
 Samoan 29
 Samoyedic languages 22, 124
 sampling techniques
 in cross-linguistic surveys 341–2
 proportional sample 342
 variety sample 342
 Sampson, G. 61, 68
 Samuelson, Christer 608–36
 Sánchez, Francisco de las Brozas, *Minerva* 85
 Sanctius *see* Sánchez, Francisco de las Brozas
 Sandawe 37
 Sandler, Wendy 533–62
 Sands, B. 37
 Sango 35, 41
 Sankoff, G. 519
 Sanskrit 22, 52, 82, 87–8, 89, 91, 95, 113, 124, 364, 450, 517, 521
 meters 450, 451, 453, 454
 see also Prakrit
 Santali 26
 Sapir, Edward xiii, 94, 98–9, 144, 580
 “The psychological reality of phonemes” 146
 Sapir–Whorf hypothesis 99
 Sarcee 146
 Sassanian inscriptions 78
 Saussure, Ferdinand de 95–6, 99, 325–6, 327, 559, 563–4, 676
 Cours de linguistique générale 95–6
 Savitch, W. J. 302
 Savory, T. H. 696
 scaffolding 649
 Scaliger, J. J. 86
 Scaliger, Julius Caesar (L'Éscale), *De causis linguarum latinarum* 85
 Scandinavian languages 21
 Schieffelin, B. 440, 445
 Schiffrin, D. 429
 Schlegel, Friedrich von 89, 90, 93, 94, 98, 103
 Schleicher, August 92, 93, 98, 103
 Compendium der vergleichenden Grammatik der indogermanischen Sprachen 94
 Schmandt-Besserat, D. 68

- Schmidt, Johannes 92
Schnitzer, M. L. 508
school
 language differences in 657–60, 663
 question-answer-evaluation activities 661–2
 social interaction in 660–2
schooling
 home language instruction 532
 native language 528–9
Schuchardt, Hugo 92
Schumann, J. 496
Schütz, A. 576
schwa [ə] 184
Schwartz, B. 492
scope ambiguity
 alternative readings 389–90
 narrow 388–9
 wide 388–9
Scottish Gaelic *see* Gaelic
scribal traditions 76
Screechius 86
script
 direction 69–70
 “motivated” canonical orders of 80
 figure 3.6
 transmission 70–1
scripts/plans
 and discourse analysis 433–4
 invented by persons who cannot read 68
Scythae 87
Scythian hypothesis 87, 89
Searle, J. 320, 322, 411, 426n, 433, 616
second language acquisition 488–511
 additive 493
 age and 484, 493–6
 codeswitching in 506–7
 compared with first language
 acquisition 492–3, 640–1, 648
 critical period hypothesis 493–4
 fossilization in 493
 interactional modification 504
 Multidimensional Model 491
 negative evidence in 504–5
 one language or two 508–9
 pragmatic competence in 644
 proficiency compared with native speakers 496–7
 role of language input 503–5
 sequence of 490–2
 strategies 505–6
 subtractive 493
 transfer in 489, 497–500
 and Universal Grammar 500–3
second language learners
 “approximative system” 490
 cognitive deficit 503
 “transitional competence” 490
second language teaching
 audio-lingual method 640
 best age for 494–5
 communicative method 641
 comprehension-base approach 640–1
 content-based instruction 643
 and cross-cultural linguistics 643–4
 Focus on Form 643
 lexicon in 654
 production approach 640–1
 theory and practice in 637, 639–42
segmental classification of speech sounds 161
segmenthood, and phonological features 198–201
segments 198–9
 equivalence sets 456
 featural phases of the structure of 165
 see also inter-segmental coordination
segments, phonetic, relationship with
 phonetic features 157, 164–5
selection 257
selectional frame 228–9
self-reference, and the liar paradox 392n
Selinker, L. 490, 493
semantic analysis 84
semantic change 114
semantic memory
 and degenerative disease 603
 disorders of retrieval and storage 589
 localization of 601–4
 verbal and visual 588, 589
semantic priming effects 589–90
semantic relatedness 232
semantic roles, conceptual space for 354–5 figure 14.3
semantic theory, Tarski’s truth definition
 as the paradigm for a 375

- semantic-pragmatic disorder syndrome 682
- semantics 236, 396, 424n, 682, 685
and syntax 266, 312, 330, 334, 370
see also dynamic semantics, formal semantics, intensional semantics, lexical semantics, situation semantics, structural semantics
- “semasiographic systems” 68
- Seminole 39
- semiotics 676
linguistics and writing 79–80
- Semitic 32, 123, 124, 225
script 52, 57, 72
vowel marking 58–9
- Sena 36
- Seneca 39
- Senegal 710
- sense 239, 245
and denotation 373–4
- sense relations 246–56
paradigmatic 247–55
syntagmatic 255–6
- sentence comprehension, disorders of 590–2
- sentence probability 636
- sentence structure
problems in language disability 675
in sign languages 534–9
- sentences 327
connection with the world 375–81
propositional content 586–7, 590
stylistic differences 461
- sentential level 586
- separatism, political and language 515
- Sepik-Ramu phylum 29
- Septuagint 72, 74, 80n
- sequential organization, and discourse analysis 437–8
- Sequoyah, syllabary order 63, 71 figure 3.5
- Serbian 21, 110, 119, 127n
- Serbo-Croatian 21
- Seri 41
- Serto 47, 48
- setting 165
- Seychelles, French-based creoles 41
- Seyfarth, R. M. 8–9
- S’gaw Karen (White Karen) 27
- Shakespeare, William 450, 451
Othello 105
- Shanghai 27
- shared reference 473–4
- shift-reduce 610–11
- shifters 424n
- Shilha, Northern, Southern and Central 33
- Shona 36
- short-term memory, disturbances in 584, 591–2
- “shortest move” constraint 278–9
- shorthand systems 63
- Shoshone 39
- Shuy, Roger W. 646, 683–91
- Sibawayhi 83
- Siberian (Northeastern Turkic) 23
- Sicilian 710, 711
- Sidamo 33
- Sierra Leone, Krio of 41
- sign 214, 236, 342, 676
Saussure’s theory of the 95–6, 325–6
- sign language experiments, with primates 11–13, 477
- sign language poetry 548–9
- sign languages 41–2, 533–62
and Broca’s area 14
change in 127n
child language acquisition 549–54
complex word formation 543, 560
control in left hemisphere 555, 558
handshapes, locations and movements in 539–40
iconicity of 12, 543, 551, 559
linguistic structure of 534–47
morphology 542–7
neural control of 554–5
neurological differences 534, 558–9
origin of 128n
phonology 539–42, 557
similarities among 556–8
syntax 534–9, 557
typological traits of 556–8
- Signed English 534
- Signed Hebrew 534
- signed languages *see* sign languages
- signified (*signifié*) 95–6, 325
- signifier (*signifiant*) 95–6, 325
- Silverstein, M. 320

- Simmons, D. 464
simplification
 in child phonological development 471–2, 478
 and language shift 128n, 528
simultaneous interpreting 693–5
 standard phrases in 694–5
 syntactic anticipation in 695
Sindhi 22, 164, 174
Singapore, multilingualism 516, 522
Singleton, D. 494, 495
singular/plural, attested and unattested
 inflectional types 346–7 table 14.2
Sinhala 22, 707
 script 52 table 3.7
sinistrongrade 69
Sinitic 27
Sino-Tibetan Etymological Dictionary
 and Thesaurus project 26
Sino-Tibetan languages 26–7, 31, 40,
 123, 124, 163
Siouan languages 38–9
Sioux 169
situated language use, discourse as 429
situation, context of *see* context of
 situation
situation semantics 385–8, 390, 392n
situations
 individual 387
 and meanings 385–8
 quantificational 387
 relations between sets of 387–8
 resource 386–7
Skehan, P. 493
Skinner, B. F., *Verbal Behavior* 101
Skjaervø, P. O. 59, 60
SLA *see* second language acquisition
slang, spread of 120
Slavic functional linguistics 325
Slavic (Slavonic) languages 21, 218,
 328–9, 436
 see also Old Church Slavonic
Slovak 21
Slovenian 21
smiling 126n
Smith, Henry Lee 99
Snow, C. 494
social class 567–9
social domain 569
social evolution 94
social indicators 567–8
social languages 652–5
social mobility, and language change
 571–2
social network analysis 569–70
social relationships, in language
 evolution 11
socialization 648, 651–2
 and language use 440
sociolinguistics 130, 131, 141, 147, 151,
 152, 178, 428, 563–81, 645, 677
 discourse work 439
 and language change 110, 126
 micro–macro distinction 566
 and narrative 460
 quantitative 107
sociology of language 566, 574
Socrates 106, 107
soft palate *see* velum
Soga 36
Sogdian script 59, 60 table 3.13, 62,
 70
solidarity, language and social 570,
 579
Solomon Islands, Pijin of the 41
Somali 33
Songay 36
songs 452, 454–5
 music and meter in 453
sonorants 158, 189, 200
 nasal 190
 oral 190
sonority 189–90
Sotho *see* Northern Sotho (Pedi),
 Southern Sotho
sound changes 90–2, 564
 explanations for 115–16
 regularity of 122, 124–5
 role of physiology in 119
sound patterns
 rule formalism 204
 systematic 456–7
sound substitutions, in language
 disability 674
sounding out, in learning to read 668
sounds
 contrast 185–7
 inventories 181–5, 211

- phonetic quality of 161
 relationship with symbols 182
 restricted number of types 153–4
 sequence of 187
 sonority hierarchy 189–90
 structure above the level of the
 segment 187–98
 and their sign language equivalents
 539–42
 source language, in translation 693
 South Africa, Republic of, language
 policy 712n
 South America, languages of 39–40
 South Arabian languages 33, 47, 72
 South Asian, Brahmi-derived scripts of
 52–3 table 3.7, 55
 South Bolivian Quechua 40
 South Caucasian (Kartvelian) 24
 South Halmahera-West New Guinea
 28–9
 South Semitic 32, 33
 South Slavic 21
 South-Central Dravidian 26
 Southeast Asia, Brahmi-derived scripts of
 52–3 table 3.7, 55
 Southeastern Turkic (Uyghur) 23
 Southern Dravidian 26
 Southern Khoisan 37
 Southern Mbundu 36
 Southern Min 27
 Southern Nilotic languages 37
 Southern Paiute 144, 146
 Southern Sotho 36
 Southern Uto-Aztecan languages 39
 Southwestern Turkic (Oghuz) 23
 Soviet Union, former, language policy
 709
 Spain, language policy 704, 709
 Spanish 21, 291, 352, 518, 704, 709,
 710
 changes in 113, 116
 and Guaraní 521
 in US 527, 531–2
 verbal morphology 626–30
 as a world language 532
 spatial functioning, and damage to right
 hemisphere 554, 555
 speaker identification, and forensic
 linguistics 685
 speaker recognition 152
 speakers
 acoustic variation between 155–6
 displaced 140–1
 finding for fieldwork 137–8
 speaking
 processing in 587
 and writing 66–7
 SPEAKING acronym 431–2
 speaking rights, negotiation of 437
 speaking-turns 157
 specialization of meaning 259
 specialized language 690
 specific language abilities tests 597
 specifier 305
 spectographic analysis, in voice
 identification 685
 speculative grammar 84–5
 speech 150
 articulatory, acoustic and perceptual
 levels of description of 4, 156
 fluidity of 565
 habits and ways of thinking 581
 linear and non-linear units of
 organization 156–9
 loss of 674
 organic and phonetic aspects of
 154–6
 relative priority of vocal and gestural
 channels for 13–14
 structures and environments of
 152–3
 temporal organization of 177
 speech act theory 411, 426n, 433, 643
 speech acts 320, 322, 327–8, 431, 433,
 691
 and relevance 411–12
 speech chain model 676
 speech communities 572
 language choice in multilingual
 517–26, 573
 speech events 431
 roles and identities 439
 see also discourse
 speech pathology 152, 646
 speech production
 the componential organization of
 159–61
 processes 161–77

- speech recognition 152
 corpus-based methods in 631–2
 and parsing in automatic 615
 technology 152, 702
- speech synthesis, and parsing 615
- speech therapy 486
- spelling
 correlation with reading ability 670
 English 182, 666–7
 learning 670–1
 transfer in 498
- spelling-to-sound translation process
 667
- Spencer, Andrew 213–37
- Sperber, D. 395, 400, 407–12, 413, 414,
 457–9
- split brain studies 595
- spoken language
 differs from written language 67
 influence of written language on 672
 origins of 3
 and sign language 533, 558–9
 see also interpreting
- Sprachlisten* tradition 86
- Sproat, Richard 608–36
- Sprouse, R. 492
- Sranan 41
- Sri Lanka, language policy 706, 707
- Sridhar, K. K. 497
- Sridhar, S. N. 497
- stability, and change in language 111,
 117, 126, 363
- Standard Theory (Chomsky) 102
- Starostin, S. A. 24
- state languages 708–9
- statements *see* assertions
- states, in computational phonology 624
- status, in-group or out-group 120
- Steever, S. B. 26
- Steinthal 94, 98
- stem 217
 bound 223
- Stephens, L. D. 452
- Stevens, K. N. 151, 153
- Stewart, O. T. 280
- Stiernhielm, Georg 86, 87
- stochastic context-free grammar (SCFG)
 635–6
- Stoics 82, 83
- Stokoe, William 539–40
- stop release 175–6
- stops 160, 168, 181, 189
 affricated 176
 central release 176
 labial velar 170
 lateral release 176
 nasal release 176
 oral release 169, 176
 post-nasal 169
 pre-nasal 169
 unreleased 175
- storytelling *see* narrative
- Strabo 87
- stress
 patterns 187, 240
 primary 187
 relationship of syllable structure with
 192–8
 secondary 187
- stricture
 close approximation 168
 complete articulatory closure 168
 degree of 165, 168
 open approximation 168
 single versus multiple 169
- strokes, effect on language ability
 600–1, 602
- structural coding 347–8
- structural linguistics 325–7, 563–4
- structural semantics 242
- structuralism 95–100, 342, 490, 640
- structure
 convergence in language 121
 determined by use and historical
 factors 345–6
 the nature of linguistic 336
- structure-dependency 500–1
- Stump, G. T. 231
- stuttering 674
- style, and social class 568–9
- stylistic analysis 686
- stylus 44, 74
- Suárez, J. A. 39, 176
- subcategorization 228–9
- subjacency 501
- subject 271, 339
- subject nominals 217
- subjunctive mood 219

- submersion programs 528
 subordination 535–6 figure 22.1
 subordination vs. recursiveness 536–8
 subsaharan Africa, monolingualism in 706
 subsegmental structure 198–211
 substitution *see* paradigmatic relations
 subtractive morphology 225–6
 Sudanic 163, *see also* Central Sudanic, East Sudanic
 Sukuma 36
 Sumerian 31, 79, 81–2, 123, 364
 script 44–5, 62, 68
 Summer Institute of Linguistics 147
 Sundanese 28
 vowel nasalization 203–4
 Supalla, E. 545, 557
 Supalla, S. J. 560
 superordinate 247
 suppletion 356–7
 derivational 232, 233
 total and partial 217
 suprasegmental level 161
 surface structure, changes in 114–15
 survey sampling 577
 Susanne corpus 633
 Swahili 35, 524, 544, 556, 574
 Swati 36
 Sweden, language policy 706
 Swedes, in Finland 516, 517
 Swedish 21
 Swedish Sign Language 556, 557
 Swinney, D. 590
 Swiss German 523
 Kerenzen dialect 93
 Switzerland, federal multilingualism 517
 “swooping vs. looping” controversy 309, 316
 syllabaries 43, 67, 68
 Japanese 49–51
 of the modern world 62–5, 71
 syllable structure 188–98
 relationship with stress 192–8
 syllables 187, 455, 586
 boundary markers 70
 heavy and light 450
 input/output constraints 195
 markedness constraints 195–8
 neural mechanisms for 17
 open and closed 159
 phonological 159
 sign language equivalent of 541
 stressed in meter 449–50
 in writing 67, 68, 69
 symbolic 12
 synchronic linguistics 108–9, 110, 126
 synchronic variation 107, 112–13
 synchrony 95, 676, 698
 syncretism 220, 230
 synonyms, in poetry 464
 synonymy 214, 226, 249–51, 358, 359
 see also absolute synonymy; near synonymy; propositional synonymy
 syntactic categories, and semantic types 376
 syntactic comprehension, localization in the brain 604–7
 syntactic parallelism 462–3, 659
 syntactic positive shift (SPS) (P600) 606
 syntactic research 268–85
 syntactic structures
 and meanings of constituents 388
 parsing 608–15
 and partial representations 389–90
 and propositional content of sentences 586–7, 590–2
 syntagmatic isomorphism 356–7
 table 14.6
 syntagmatic sense relations 247, 255–6, 325–6, 327
 syntax 265–94, 424n
 as the building of propositional structure 415–23
 Chomskyan perspective 102, 266–8
 defined 265
 the domain of 265–6
 evolution as a specialized development 12, 13, 14
 and literary texts 447–8
 and semantics 266, 312, 330, 334, 370
 thesis of the autonomy of 334
 the vastness of 269–73
 Syriac script 47, 58–9, 69–70
 vowel marking 59
 systematic polysemy 232, 233
 Systemic Functional Grammar (SFG) 330, 331–2, 432, 436

- Szechuanese, Chengtu 173
Szij, E. 235–6
- Tabbert von Strahlenberg, Philip Johan 86
- tableaux 195–8
- Tacanan languages 40
- Tachelhit 33
- tag bigram model 633–4
- tag questions 298–9, 302–3
- Tagalog 28, 225, 331, 336n, 712n
- tagmeme 66
- Tahitian 29
- Tai languages 27
- Tai-Kadai 27
- Taiwan Sign Language 557
- Taiwanese 27
- Tajik 22
- talk-in-interaction *see* conversation
- Tamashek 33
- Tamazight 33
- Tamil 26, 516, 517, 522, 707
script 53 table 3.7
- Tannen, Deborah 439, 644
- tape recorders
and fieldwork 142
use in criminal cases 686–9
- tapped stops 171
voiced alveolar 171
- target language, in translation 693
- Tarifit 33
- Tarlinskaja, M. 452
- Tarone, E. E. 506, 510
- Tarski, A. 375, 392n
- Tasmanian languages 30, 31, 527
- Tatar 23, 337, 338–9, 341, 342, 346–7
- taxonomies 260, 261
- teacher training, and applied
linguistics 638, 642, 662, 663, 670
“teacher-research” 659
- teachers, as reflective practitioners 642
- teaching grammars 85
- technical terms 263, 654, 656
- Telugu 26, 517
script 53 table 3.7
- temporal lobe location, for word
meanings 602, 603, 604
- tenor 432
- tense 218
- tense (articulation) 173
- Teodorsson, S.-T. 106, 107
- Tequistlatecan (Chontal of Oaxaca) 41
- terminology databases, multilingual
695, 702
- Teso 37
- test suite 631
- text compression, corpus-based methods
in 631–2
- text linguistics 435
- text retrieval, computational morphology
and 622
- text-to-speech synthesis, computational
morphology and 622
- Thai 27, 186
script 53 table 3.7, 54
- thematic roles 587
- thematic structure 10
new neural connections linking speech
and 16
- theme, in discourse 328–9, 435–7
- theory, and practice in language teaching
639–42
- theory-internal criteria 333–4
- theta criterion 271
- Thody, Philip 699–700
- Thompson, H. 536–8
- Thompson, S. 325, 435
- Thompson, S. A. 461
- thought
language of 425n
language and 581
- Tiberian system 59
- Tibetan 27, 70, 711
script 53 table 3.7, 54–5, 61, 63
table 3.15, 70
- Tibeto-Burman 27
- Tigré 33, 365
- Tigrinya 33, 365
- timing units 200–1, 211
- Tiv 35
- Tiwi 30, 350, 351
- Tlingit 38
- Toba Batak 28
- Tocharian 22
- Tojolabal 460
- Tok Pisin 41, 507, 519, 527
- Tokelau, songs 454–5
- token frequency 353–4

- Toma, C. 652–3
Tonga 36
Tongan 29, 353
tongue 162
 grooved 171
 retroflexion 171
 shape in articulation 170–1
topic 97, 328, 333
 in discourse 435–7
 introduction and recycling in forensic linguistics 688–9
topic NPs 324–5, 328
topic-prominent languages 435
topicalization 416–19, 461
 in sign languages 539
topoi 458
Toronto school of literacy studies 75
Torricelli phylum 29
Tosk 21
“touristese” 15
Trace Theory 102
traces, inability to co-index 605
trade names
 arbitrary 684
 suggestive 684
trademark infringement 683–4
traditional grammar 295
Trager, George 43, 99
Trahey, M. 504
Trans New Guinea phylum 29
transcortical motor aphasia 584, 585, 600
transcortical sensory aphasia 584, 586, 600
transcription 134, 136, 143–4
 of conversations in criminal cases 687–9, 691
 in language pathology 676
 phonetic 143–4, 153, 157, 182
transfer
 in SLA 489, 492, 497–500
 in spelling 498
 see also negative transfer
transformational grammar 102, 302–3, 615
 historical development 312–13
 see also generative grammar
transformational rules 205
 and interpretive rules 271–3
transformations 100, 302
transition problem in language change 108, 109
transition-relevant-place in conversation 437
transitive 339, 415
transitivity in narrative 461
translation 646, 692–703
 blocking factors 701
 change factors 701
 as a communicative device 692–3
 invariance factors 701
 principles 696–7
 revision factor 695, 701
 target factors 702
 terminological accuracy in 695
 used as courtroom evidence 691
translation memory, in CAT 702
translation studies 692
translatology 696, 700
transparency, cline of 231–2
transposition 227
tree bank 635
tree diagram 223–4, 300–1
tree sequence 302
tree structure
 for dialogue 617–18 figure 25.2
 partial trees 418–19
 of sentence proposition 416–19
tree-adjointing grammar parsers 615
Treiman, Rebecca 645, 664–72
trilinguals 78–9
trilled stop 171
 voiced oral alveolar 172
triphthong, articulation of 172
trochaic inversion 451
Trubetzkoy, Prince Nikolai S. 96–7, 199, 346
Trudgill, P. 568, 573
truth values 370–2, 373, 374, 375
 in possible worlds 374
truth-conditional semantics 246, 404–7
truth-relations 404–5
Tsetsaut 97
Tsimshian 41
Tsonga 36
Tswana 36
Tübatulabal 140
Tucanoan languages 40

- Tumbuka 36
Tungusic languages 23
Tunisia 710
 diglossia in 522
Tupian languages 40
Turkana 37
Turkic languages 23, 219
Turkish 23, 113, 356–7, 492
 use of Roman alphabet 67
Turkmen 23
turn taking 437
Tuscarora 39
Tuvaluan 29
Tuvan 23
Twain, Mark 106
Twi-Fante 35
type–token distinction 327
typological markedness, and
 morphological representation
 346–9
typology 94, 103, 147, 324, 337–68,
 556
 competing motivations model 344–5,
 363
 diachronic 363, 365–6
 synchronic 363
Tzutujil 353
- Ubangi subgroup 35
Ugaritic abjad 47, 48, 71, 72, 73, 74
Ugric 22
Ukrainian 21
unattested language types 343–4
undergeneralization, in child language
 acquisition 472–3
underspecification 304–5, 388–90, 414
understanding, processing in 587–8
ungrammaticality 265
Uniformitarian Principle 108, 364, 365
United Kingdom, language policy 708
United States
 immigrants in 518, 527, 568
 language policy 704, 706
 unstable bilingualism 527
Universal Grammar (UG) 2, 17, 84–5,
 299, 300, 312
 constraints 538
 and language acquisition 4, 101,
 482
 and Principles and Parameters
 approach 283, 285–94
 and second language acquisition
 500–3 figure 20.1, 504
 and sign languages 557–8
 and transfer 499
universal pragmatics (Habermas) 576
universal quantifier, dynamic 384
universals 324
 Chomsky on 100–1
 cognitive basis for 119, 487
 the dynamic approach to 362–7
 and the formal encoding of meaning
 346–62
 identifying as goal of synchronic
 linguistics 108–9
 the nature of 341–6
 in sign language 539, 556–8, 560
 transparent 299
 see also implicational universals
unwritten languages 75
Uralic languages 20, 22, 25, 124
Urartian 25
 inscription 79
 script 45
Urdu 22, 517, 710
Uruk 44
US Federal Court Interpreters Act (1978)
 690
US Food and Drug Administration 684
usage frequency
 and conceptual encoding 348–9
 and language change 112–13
use
 abnormal language 673–82
 in context, discourse analysis 644
 determines language structure 345–6
 domains of 518–19
 interpretive 414
 and knowledge of language 394–6
 motivated by communicative needs
 429–38
 non-literal of language 257–8, 397
 real-world language 642
 social nature of language 320, 332,
 363
 and social structure 566
 theory of language in 448
Ute 39

- Uto-Aztecan language family 39, 98, 123
- utterance 157, 451, 458
 recognizing as part of discourse
 structure 618, 620–2
 sequential context 437–8
- uvular 166, 167, 184
- Uyghur (Southeastern Turkic) 23
 alphabet 61 table 3.14, 62, 70
- Uzbek 23
- Vainikka, A. 502
- Vallduví, E. 333
- van Dijk, T. 429, 434, 435, 440
- van Driem, G. 27
- van Summeren, C. 495
- Van Valin Jr, Robert D. 285, 319–36
- variables, correlation of linguistic with
 social 567
- variation
 and language change 564–5, 577–9
 regional and social 578
 within and across languages 365–7,
 575
- variation linguistics 566, 568, 577–8
- varieties 19, 710–11
 choice of 523–4, 572–5, 581
 high or low 519–22, 570
- Varro, Marcus Terentius 83
- Vata 283
- Vater 89
- Vedas* 82, 454
- velar 166, 167, 181
- velaric airstream mechanism 162
- velarization 170, 171
- velum 160
- Venda 36
- Ventris, Michael 79
- verb agreement
 direct form 350
 distribution across languages 352–4
 table 14.5
 inverse form 350
 in sign languages 543–5 figure 22.5,
 557, 559
- verb phrase (VP) 270, 301
- “verbal art” 448, 464
- verbs of motion and location, in ASL
 545–7 figure 22.6, 559
- Verhoeven, L. 531
- vernacular languages 85
- Verner, Karl 91, 124
- Verner’s law 91, 124
- Versteegh, K. 59
- vervet monkeys, vocal call systems 8–9,
 12
- video tape recorders, and fieldwork 142
- Vietnamese 26, 561n
- virtual bilingual 78–9
- Viterbi search 634
- vocabularies 263–4
- vocabulary
 differences in 337
 domain-specific 262–3
 layers of 263
 primate and human compared 8
 in SLA 505, 506
- vocal call systems, of vervet monkeys
 8–9, 12
- vocal folds 163
- vocal fry *see* creak
- vocal grooming 11
- vocal organs 159–60 figure 7.1
- vocal tract
 human L-shaped 4–5
 neutral configuration 166
- vocalization, initiating in cerebral cortex
 593
- voice 323, 324
- voice identification 685
- Voice Onset Time (VOT) 499, 509
- voiced 160, 163, 182
- voiced aspiration 173–4
- voiced implosive 162
- Voiced Stop Deletion 210
- voiceless sound 163
- voicing 157, 158
 and devoicing 172–5
- Volgaic 22
- Volta-Congo 34
- Voltaic (Gur) languages 34
- Voorhoeve, C. L. 464
- vowel harmony 206, 217, 623
- vowel-sounds, acoustic characterization
 155
- vowel-space 168
- vowels 181
 chain shifts in long 119
 front, central or back 181

- vowels *cont'd*
 high, mid or low 181
 length of 177
 loss of unaccented 119
 nuclear in the syllable 159
 script for 47, 52, 55, 57–9
 sonority 189
 Vygotsky, Lev 653, 655
- Wakashan 38
 Waletzky, J. 462
 Walter, Theodor 87
 Wang, W. 493
 Waray-Waray 28
 Ward, I. C. 172
 Warlpiri, verse 451
 Warrgamay 360
 Washo 41
 Wasow, Thomas 295–318
 Watkin's Law 127n
 Watson, I. 509
 "wave theory" 92–3
 Webb, R. 557
 Weber, Max 567, 576
 Webster, Noah 67
 Weihun He, Agnes 428–45
 Weinreich, Uriel 93, 108, 489, 499, 508,
 513, 574
 well-formedness 248, 296
 Welsh 21, 514, 528
 Medieval poetry 463
 North 169
 Wernicke's aphasia 14, 555, 584, 585,
 600, 601, 602, 605
 Wernicke's area 14, 593, 599, 600
 West Caucasian 24
 West Germanic 21
 West Papuan phylum 29
 West Semitic 32
 abjads 48 table 3.3, 59
 West Slavic 21
 Westermann, D. 172
 Western Apache 146
 Western Armenian 21
 Western Dani 30
 Western Hmong (Hmong Njua) 28
 Western Kwa 35
 Western Malayo-Polynesian 28
 Western Panjabi 22
wh-phrases, island constraint 310–11
wh-questions 620–1
 and filler-gap dependencies 307–9
wh-words, movement rules 271–2,
 273–4, 278–9
 whisper 163
 whispery voice 164
 White, L. 496, 502, 504, 510
 White Karen (S'gaw Karen) 27
 white matter tracts, lesions of 593–4, 599
 Whitney, William Dwight xiii
 "whole language" pedagogy 647, 648,
 649, 668, 670
 Whorf, Benjamin L. 94, 99, 475–6, 580
 Wieden, W. 492
 Williams, G. 576
 Willmond, Catherine 132–3, 139, 141
 Wilson, Bob 483
 Wilson, D. 395, 400, 407–12, 413, 414,
 457–9
 Wilss, W. 694
 Winteler, Jost 93
 Wittgenstein, Ludwig 238, 243
 Wiyot 39, 124
 Wolaytta 33
 Wolfe Quintero, K. 492
 Wolof 34, 710
 Woodbury, A. C. 460
 word
 notion of 236
see also grammatical word, prosodic
 word
 word bigram model 632–3
 word families 262
 word forms 214, 236
 analysis in computational morphology
 and 622–3
 individuating by graphic and phonetic
 clues 240
 word meanings
 constraints on 241
 contextual variability of 244–6,
 413–14
 disturbances of 588–90, 601
 mutual exclusivity and competition
 474–5
 normality profile 243
 overextension of 675
 as a set of procedures 414–15

- word order
 classification of languages in terms of 342–3
 harmony 344–5, 346
 language universals 341–6, 362–5
 and typological analysis 147
- word recognition 666–7
- word structure
 in sign languages 542–7
see also morphology
- word-collections, for language comparison 86
- word-fields 259–62
- word-pair grammar 632
- word-picture matching 588
- words 238–42, 327, 451
 boundaries 240, 451–2
 “classifier sets” of 464
 grammatical properties of 240
 number known by average speaker 263
 semantic properties of 240–2
see also compounds
- working memory, in SLA 503
- world languages 530–2
- writing
 defined 68
 earliest evidence of 3
 and history 44–65
 integration of reading and 668, 670
 and language 65–75
 linguistics and semiotics 79–80
 materials 74–5
 mechanical aids for 75
 origin of 68–9
 processing in 587
 and scholarship 75–80
 and speaking 66–7
 theory of 43
- writing systems 43–80
 alphabetic *see* alphabets
 Chinese-derived 62
 conscious construction of 66
 different from spoken languages 66–7
 meaning-based and sound-based 497–8
 Semitic-derived 62
 speech-based 666
- spread of 47
 types of 43–4
- written documents, authorship and forensic linguistics 685–6
- written language
 differs from spoken language 67
 influence on spoken language 672
 reading 664–72
see also translation
- Wu 27, 711
- Wundt, Wilhelm 98, 103
- Wurm, S. A. 29
- X-bar theory (Chomsky) 305
- Xhosa 36, 162
- Xiang 27
- Yabem 519
- Yakonan 41
- Yakut (Sakha) 23
- Yallop, C. 151
- Yana (Northern Hoka) 41
- Yao 36
- Yavapai 140
- Yeniseian languages 25, 31
- Yiddish 21, 705
- Yoruba 35, 170, 337–8, 339, 341, 342
- Young, Thomas 77
- Young-Scholten, M. 502
- Yucatec 39
- Yue (Cantonese) 27
- Yukaghir 25
- Yuman 38, 41
- Yupik (Yup’ik) 38, 140, 353
- Yurok 39, 124
- Yuwaalaraay 340
- Zadrozny, W. 393n
- Zaenen, A. 309
- Zaliznjak, *Grammatical Dictionary of Russian* 233
- Zande 36
- Zapotec 39, 140
 San Lucas Quiaviní 144, 146
- Zeps, V. J. 454
- zero marking 230, 356
- zero morpheme 227
- zeugma test 246
- Zhuang 27

- ZISA project 491
Zoroastrian scripture, Avesta 59–61
Zukovsky, Celia 697
Zukovsky, Louis 697
Zulu 36, 162, 346–7, 355
Zuni 38
Zurif, E. 590–1, 604–5
Zwicky, A. 237