

Languages with quantity-insensitive stress

(superscript ^a indicates weight-sensitive secondary stress; superscript ^b indicates that stress position refers to root; superscript ^c indicates that stress description applies at level of mora)

Language	Family	Reference
<u>Initial</u>		
Afrikaans	Indo-European	Donaldson, B. C. 1993. A grammar of Afrikaans. New York: Mouton.
Arabana-Wangkanguru	Australian	Hercus, L. A. 1994. A grammar of the Arabana-Wangkanguru language, Lake Eyre Basin, South Australia. Canberra: Australian National University.
Arabela	Zaparoan	Rich, Furne. 1963. Arabela phone mes and high-level phonology. In Elson, Benjamin (ed.), Studies in Peruvian Indian Languages I, pp. 193-206.
Arawak	Arawakan	de Goeje, Claudius Henricus. 1928. The Arawak language of Guiana. Amsterdam: Amsterdam Koninklijke Akademie van Wetenschappen.
Cahuilla ^{a b}	Uto-Aztecan	Seiler, Hansjakob. 1957. Die phonetischen Grundlagen der Vokalphoneme des Cahuilla. Zeitschrift für Phonetik und allgemeine Sprachwissenschaft 10, 204-23. Seiler, Hansjakob. 1965. Accent and morphophonemics in Cahuilla and Uto-Aztecan. International Journal of American Linguistics 31, 50-9.
Cayapa ^a	Barbacoan	Lindskoog, John and Ruth Brend. 1962. Cayapa phonemics. In Elson, Benjamin (ed.). Studies in Ecuadorian Indian Languages I. Norman: OK: Summer Institute of Linguistics, pp. 31-44.
Chechen	South Caucasian	Desherieva, T. I. 2001. Chechenskii Yazyk. In Alekseev, M. E. (ed.), Yazyki Mira: Kavkazskie Yazyki, pp. 173-185. Moscow: Izdatel'stvo Academia.

Chepang	Sino-Tibetan	Caughley, Ross C. 1969. Chepang phonemic summary. Kirtipur: Summer Institute of Linguistics
Chitimacha	Gulf	Swadesh, Morris. 1946. Chitimacha. In Osgood, Cornelius (ed.), Linguistic structures of Native America, pp. 312-336. New York: Viking Fund Publications in Anthropology.
Chutiya	Sino-Tibetan	Goswami, Upendranath. 1994. An introduction to the Deuri language. Assam: Anundoram Borooah Institute of Language, Art and Culture.
Comox	Salish	Hagege, Claude. 1981. Le comox Ihaamen de Colombie Britannique: presentation d'une langue amerindienne. Paris: AEA.
Danish	Indo-European	Haugen, Einar. 1976. The Scandinavian Languages. Cambridge, Mass.: Harvard University Press.
Diola	Niger-Congo	Sapir, David. 1965. A grammar of Diola-Fogny: a language spoken in the Basse-Cassamance region of Senegal. Cambridge: Cambridge University Press.
Dizi	Afro-Asiatic	Breeze, Mary. 1988. Phonological features of Gimira and Dizi. In Bechhaus, Marianne and Serzisko, Fritz (eds.), Cushitic-Omotc Papers from the International Symposium on Cushitic and Omotic Languages, Cologne, January 6-9, 1986, pp. 475-490. Hamburg: Helmut Buske Verlag
Djapu Yolngu	Australian	Morphy, Frances. 1983. Djapu, A Yolngu dialect. In Dixon, R.M.W. and Blake, Barry (eds.), Handbook of Australian Languages, vol. 3, pp. 1-188. Amsterdam, John Benjamins.
Enets	Uralic	Tereschenko, N. 1993. Enetskii jazyk. In Jartseva, V.N. (ed.), Jazyki Mira: Uralskie jazyki, pp. 343-349. Moscow: Nauka.
Even (Lamut)	Altaic	Benzing, Johannes. 1955. Lamutische Grammatik; mit Bibliographie, Sprachproben und Glossar. Wiesbaden: F. Steiner.

Gilyak	isolate	Panfilov, V. Z. 1962. <i>Grammatika nivkhsского iazyka</i> . Moskva: Izdatelstvo Akademii Nauk SSSR.
Gondi	Dravidian	Steever, Sanford. 1998. Gondi. In Steever, Sanford (ed.), <i>The Dravidian Languages</i> , pp. 270-300. New York: Routledge.
Gurung	Sino-Tibetan	Glover, Warren. 1969. Gurung phonemic summary. Kirtipur, Nepal: Summer Institute of Linguistics.
Hewa	Sepik-Ramu	Vollrath, Paul. 1985. Hewa phonemes: a tentative statement. In <i>Five Phonological Studies</i> , pp. 51-84. Ukarumpa, Papua New Guinea: Summer Institute of Linguistics.
Hualapai	Hokan	Redden, James. 1966. Walapai I: Phonology. <i>International Journal of American Linguistics</i> 32, 1-16.
Huitoto	Witotoan	Minor, Eugene and Minor, Dorothy. 1976. <i>Fonologia del huitoto</i> . Bogota: Ministerio de Gobierno.
Ingush ^b	South Caucasian	Desheriev, Y. D. and Desherieva, T. I. 2001. Ingushskii Yazyk. In Alekseev, M. E. (ed.), <i>Yazyki Mira: Kavkazskie Yazyki</i> , pp. 186-195. Moscow: Izdatel'stvo Academia.
Irish	Indo-European	Mhac an Fhailigh, Éamonn. 1968. <i>The Irish of Erris, Co. Mayo: a phonemic study</i> . Dublin: Dublin Institute for Advanced Studies.
Jemez	Kiowa-Tanoan	Bell, Alan. 1993. Jemez tones and stress. <i>Colorado Research in Linguistics</i> 12, pp. 26-34. Boulder, Colorado: University of Colorado at Boulder.
Kalkatungu	Australian	Blake, Barry. 1979. <i>A Kalkatungu grammar</i> . Canberra: Australian National University
Kambera	Austronesian	Klamer, Margaretha. 1994. <i>Kambera: a language of Eastern Indonesia</i> . The Hague: Holland Academic Graphics.
Kanauri	Sino-Tibetan	Sarma, Devidatta. 1988. <i>A descriptive grammar of Kinnauri</i> . Delhi: Mittal Publications.

Ket	Yenesei Ostyak	Dulzon, A. P. 1968. Ketskii iazyk. Tomsk: Izdatel'stvo Tomskogo universiteta.
Kolami	Dravidian	Emeneau, M. B. 1955. Kolami, a Dravidian language. Berkeley: University of California Press.
Korafe	Tran-New Guinea	Farr, J. B. and Farr, C. J. M.. 1974. A preliminary Korafe phonology. Workpapers in Papua New Guinea Linguistics 3, 5-38.
Koromfé	Niger-Congo	Rennison, John. 1997. Koromfe. New York: Routledge.
Kota	Dravidian	Emeneau, M. B. 1944. Kota texts Part I. Berkeley: University of California Press
Latvian	Indo-European	Endzelins, Janis. 1922. Lettisches lesebuch, grammatische und metrische vorberemerkungen, texte und glossar. Heidelberg: C. Winter. Fennell, Trevor and Gelsen, Henry. 1980. A grammar of modern Latvian. New York: Mouton.
Naga	Creole	Arokainathan, S. 1980. Tangkhul Naga phonetic reader. Mysore: Central Institute of Indian Languages.
Nenets	Uralic	Décsy, Gyula. 1966. Yurak Chrestomathy. Bloomington: Indiana University Press.

Olo	Austronesian	McGregor, Donald and McGregor, Aileen. 1982. Olo language materials. Canberra: Australian National University.
Orokaiva	Trans-New Guinea	Healey, Alan, Isoroembo, Ambrose, and Chittleborough, Martin. 1969. Preliminary notes on Orokaiva grammar. Papers in New Guinea Linguistics 9, 33-64.
Papago ^b	Uto-Aztecan	Saxton, Dean. 1963. Papago phonemes. International Journal of American Linguistics 29, 29-35.
Parintintin Tenharim	Tupi	Pease, Helen and Betts, LaVera. 1971. Parintintin phonology. Tupi Studies I, 1-14.
Pomo, Eastern	Hokan	McLendon, Sally. 1975. A grammar of Eastern Pomo. Berkeley: University of California Press.
Sámi, Eastern	Uralic	Aimä, Frans. 1914. Phonetik und Lautlehre des Inarilappischen. Helsinki: Druckerei der Finnischen Literaturgesellschaft.
Sango	Creole	Samarin, William J. 1967. A grammar of Sango. The Hague: Mouton.
Santali	Austro-Asiatic	Chakrabarti, Byomkes. 1994. A comparative study of Santali and Bengali. Calcutta: KP Bagchit Company.
Senoufo	Niger-Congo	Mills, Elizabeth. 1984. Senoufo phonology, discourse to syllable (a prosodic approach). Dallas: Summer Institute of Linguistics.
Siona	Tucanoan	Wheeler, Alva and Wheeler, Margaret. 1962. In Elson, Benjamin (ed.), Studies in Ecuadorian Indian Languages I, pp. 96-113. Norman, Okla.: Summer Institute of Linguistics.
Sumbanese	Austronesian	Klamer, Margaretha. 1994. Kambara: a language of Eastern Indonesia. The Hague: Holland Academic Graphics.

Swedish	Indo-European	Haugen, Einar. 1976. <i>The Scandinavian Languages</i> . Cambridge, MA: Harvard.
Tigak	Austronesian	Beaumont, Clive H. 1979. <i>The Tigak language of New Ireland</i> . Canberra: Australian National University.
Tinrin	Austronesian	Osumi, Midori, 1995. <i>Tinrin grammar</i> . Honolulu : University of Hawai'i Press.
Tunica	Gulf	Swanton, John. 1921. <i>The Tunica language</i> . <i>International Journal of American Linguistics</i> 2, 1-39.
Wembawemba	Australian	Hercus, L. A. 1986. <i>Victorian languages, a late survey</i> . Canberra: Australian National University.
Yurok	Algic	Robins, R. H. 1958. <i>The Yurok language: grammar, texts, lexicon</i> . Berkeley: University of California Press.
Nama ^c	Khoisan	Hagman, Roy. 1977. <i>Nama Hottentot grammar</i> . Bloomington: Research Center for Language and Semiotic Studies, University of Indiana.
Dumi (initial in nouns, root-final in verbs)	Sino-Tibetan	Driem, George van. 1993. <i>A grammar of Dumi</i> . New York: Mouton de Gruyter.
Pawnee (nouns, verbs?)	Caddoan	Parks, Douglas. 1976. <i>A grammar of Pawnee</i> . New York: Garland.
Coreguaje ^b	Tucanoan	Gralow, Frances. 1985. <i>Coreguaje: tone, stress, and intonation</i> . In Brend, Ruth (ed.). <i>From Phonology to Discourse: Studies in Six Colombian Languages</i> , pp. 3-11. Dallas: Summer Institute of Linguistics.
Kung (Zu 'Hõas) ^b	Khoisan	Snyman, J. W. 1970. <i>An introduction to the !Xu (!Kung) language</i> . Capetown: Balkema academic and technical publications, Univesity of Cape Town, School of African Studies.

Mixe, Totontepec ^b	Mixe-Zoque	Crawford, John. 1963. Totontepec Mixe phonotagmemics. Norman, Okla.: Summer Institute of Linguistics.
Tewa ^b	Kiowa-Tanoan	Harrington, John. 1910. A brief description of the Tewa language. <i>American Anthropologist</i> 12, 497-504. Speirs, Randall. 1966. Some aspects of the structure of Rio Grande Tewa. SUNY Buffalo Ph.D. dissertation.
<u>Peninitial</u>		
Agul	North Caucasian	Alekseev, M. E. and Suleymanov, N. D. 2001. Agul'skii Yazyk. In Alekseev, M. E. (ed.), <i>Yazyki Mira: Kavkazskie Yazyki</i> , pp. 398-408. Moscow: Izdatel'stvo Academia
Assiniboine	Siouan	Levin, Norman. 1964. <i>The Assiniboine language</i> . Bloomington: Indiana University Press.
Basque	isolate	Hualde, José Ignacio. 1991. <i>Basque phonology</i> . New York: Routledge.
Chamalal	North Caucasian	Magomedova, P. T. 2001. Chamalinskii Yazyk. In Alekseev, M. E. (ed.), <i>Yazyki Mira: Kavkazskie Yazyki</i> , pp. 291-298. Moscow: Izdatel'stvo Academia.
Ignaciano	Arawakan	Ott, Willis and Burke de Ott, Rebecca. 1983. <i>Diccionario ignaciano y castellano</i> . Cochabamba, Bolivia: Instituto Lingüístico de Verano.
Koryak	Chukotko-Kamchatkan	Zhukova, Alevtina Nikodimovna. 1972. <i>Grammatika Koriakskogo Iazyka: Fonetika, Morfologiya</i> . Leningrad: Izdatelstvo Nauka.
Lakota	Siouan	Boas, Franz and Deloria, Ella. 1933. Notes on the Dakota, Teton dialect. <i>International Journal of American Linguistics</i> 7, 97-121. Boas, Franz and Deloria, Ella. 1941. <i>Dakota Grammar</i> . <i>Memoirs of the National Academy of Sciences</i> , vol. 33. Washington: United States Government Printing Office.

Lezgian	North Caucasian	Haspelmath, Martin, 1993. A grammar of Lezgian. New York: Mouton.
Paraujano	Arawakan	Patte, Marie France. 1989. Estudio descriptivo de la lengua añún (o “paraujano). San Cristobal: Universidad Católica del Táchira.
Siroi ^b	Trans-New Guinea	Wells, Margaret. 1979. Siroi grammar. Canberra: Australian National University.
Tolai	Austronesian	Franklin, Karl, Kerr, Harland, and Beaumont, Clive. 1974. Tolai language course. Huntington Beach, Calif.: Summer Institute of Linguistics.
Tsaxur	North Caucasian	Talibov, B. B. 2001. Tsaxurskii Yazyk. In Alekseev, M. E. (ed.), Yazyki Mira: Kavkazskie Yazyki, pp. 420-427. Moscow: Izdatel'stvo Academia.
<u>Antepenult</u>		
Cora	Uto-Aztecan	Casad, Eugene. 1984. Cora. In Langacker, Ronald (ed.). Southern Uto-Aztecan Grammatical Sketches. Dallas: Summer Institute of Linguistics.
Kela	Austronesian	Collier, Ken and Collier, Margaret. 1975. A tentative phonemic statement of the Apoze dialect, Kela language. In Loving, Richard (ed.), Phonologies of Five Austronesian Languages, pp. 129-61. Ukarumpa: Summer Institute of Linguistics.
Macedonian	Indo-European	Lunt, Horace. 1952. A grammar of the Macedonian Literary Language. Skopje.
Mae	Austronesian	Capell, Arthur. 1962. The Polynesian Language of Mae (Emwae), New Hebrides. Auckland: Linguistic Society of New Zealand.
Parnkalla	Australian	Schürmann, Clamor Wilhem. 1984. A vocabulary of the Parnkalla language. Adelaide: George Dehane.
Wappo	Yuki	Radin, Paul. 1929. A grammar of the Wappo language. Berkeley: University of California Press.

Penult

Alawa	Australian	Sharpe, Margaret. 1972. Alawa phonology and grammar. Canberra: Australian National University.
Albanian	Indo-European	Hetzer, Armin. 1978. Lehrbuch der vereinheitlichten albanischen Schriftsprache mit einem deutsch-albanischen Wörterbuch. Hamburg: Helmut Buske Verlag.
Amara	Austronesian	Thurston, William. 1996. Amara: an Austronesian language of northwestern New Britain. In Ross, M. D. (ed.), Studies in languages of New Britain and New Ireland, pp. 197-248. Canberra: Australian National University.
Andamanese	Andamanese	Manoharan, S. 1989. A descriptive and comparative study of Andamanese language. Calcutta: Anthropological Survey of India.
Anem	East Papuan	Thurston, William. 1982. A comparative study in Anem and Lusi. Canberra: Australian National University.
Apalai ^a	Carib	Koehn, Edward and Sally Koehn. 1986. Apalai. In Derbyshire, Desmond and Pullum, Geoffrey (eds.). Handbook of Amazonian languages, vol. 1, pp. 3-127. New York: Mouton.
Atchin	Austronesian	Capell, Arthur and Layard, J. 1980. Materials in Atchin, Malekula: grammar, vocabulary, and texts. Canberra: Australian National University.
Big Nambas	Austronesian	Fox, G. J.. 1979. Big Nambas grammar. Canberra: Australian National University.
Bukiyip	Torricelli	Conrad, Robert. 1991. An outline of Bukiyip grammar. Canberra: Australian National University.
Chamorro	Austronesian	Topping, Donald. 1973. Chamorro reference grammar. Honolulu: University of Hawaii Press.

Chumash, Barbareño	Hokan	Beeler, M. S. 1976. Barbareño Chumash: a farrago. In Langdon, Margaret and Silver, Shirley (eds.). Hokan Studies: Papers from the 1st Conference on Hokan Languages held in San Diego, California April 23-25, 1970, pp. 251-270. The Hague: Mouton.
Cocama	Tupi	Espinosa, Lucas. 1935. Los tupí del oriente peruano, estudio lingüístico y etnográfico. Madrid: Publicaciones de la Expedición Lingüístico
Cofán	Chibchan	Borman, M. B. 1962. Cofan phonemes. In Elson, Benjamin (ed.), Studies in Ecuadorian Indian Languages I, pp. 45-59. Norman: OK: Summer Institute of Linguistics.45-59.
Dayak (Ngaju)	Austronesian	Mihing, T. W. J. and Stokhof, W. A. L. 1977. On the Ngaju Dayak sound system. Miscellaneous Studies in Indonesian and Languages in Indonesia III, 49-59.
Gurage (penult in nouns; final in verbs)	Afro-Asiatic	Polotsky, Hans Jakob. 1951. Notes on Gurage grammar. Jerusalem: Israel Oriental Society.
Jaqaru	Aymara	Hardman-de-Bautista, Martha James. 1966. Jaqaru: outline of phonological and morphological structure. The Hague: Mouton.
Kaliai-Kove	Austronesian	Counts, David. 1969. A grammar of Kaliai-Kove. Honolulu: University of Hawaii Press.
Kola	Austronesian	Takata, Masahiro and Takata, Yuko. 1992. Kola phonology. In Burquest, Donald and Laidig, Wyn (eds.), Descriptive Studies in Languages of Maluku, pp. 31-46. Jakarta: Badan Penyelenggara Seri Nusa.
Kutenai	isolate	Canestrelli, Philippo. 1926. Grammar of the Kutena: Language. International Journal of American Linguistics 4, 1-84.
Kwaio	Austronesian	Keesing, Roger. 1985. Kwaio grammar. Canberra: Australian National University
Labu	Austronesian	Siegel, Jeff. 1984. Introduction to the Labu language. Papers in New Guinea Linguistics 23, 83-157.

Lamba	Niger-Congo	Doke, Clement. 1938. Text book of Lamba grammar. Johannesburg: Witwatersrand University Press.
Laz (penult in nouns; antepenult in verbs)	South Caucasian	Marr, Nikolai Iakovlevich. 1910. Grammatika chanskago (lazskago) iazyka, s khrestomatieiu i slovarem. Saint Petersburg: Tipografiia Imperatorskoi Akademii Nauk. Klimov, G. A. 2001. Lazskii Yazyk. In Alekseev, M. E. (ed.), Yazyki Mira: Kavkazskie Yazyki, pp. 59-64. Moscow: Izdatel'stvo Academia
Lingala	Niger-Congo	Redden, James and Bongo, F. 1963. Lingala, basic course. Washington: Department of State.
Lusi	Austronesian	Thurston, William. 1982. A comparative study in Anem and Lusi. Canberra: Australian National University.
Mohawk	Iroquoian	Michelson, Karin. 1988. A comparative study of Lake-Iroquoian accent. Dordrecht: Kluwer.
Monumbo	Torricelli	Vormann, Franz. 1914. Die Monumbo-Sprache: Grammatik und Wörterverzeichnis. Wien: Mechitharisten Buchdruckerei.
Movima	unclassified	Judy, Roberto. 1962. Fonemas del movima; con atención especial a la serie glottal. Cochabamba: Instituto Lingüístico de Verano.
Mussau	Austronesian	Blust, Robert. 1984. A Mussau vocabulary with phonological notes. Papers in New Guinea Linguistics 23, 159-208.
Nahuatl	Uto-Aztecan	Tuggy, David. 1979. Tetelcingo Nahuatl. In Langacker, Ronald (ed.). Studies in Uto-Aztecan Grammar, vol. 2, Modern Aztec Grammatical Sketches, pp. 1-140. Arlington, TX: Summer Institute of Linguistics.

Onondaga	Iroquoian	Chafe, Wallace. 1970. A semantically based sketch of Onondaga. Indiana University publications in anthropology and linguistics, memoir 25. Baltimore: Waverly Press (Indiana University).
		Michelson, Karin. 1988. A comparative study of Lake-Iroquoian accent. Dordrecht: Kluwer.
Pagu	West Papuan	Wimbish, Sandra. 1992. Pagu phonology. In Burquest, Donald and Laidig, Wyn (eds.), Descriptive studies in languages of Maluku, vol. 34, pp. 69-90. Jakarta: Badan Penyelenggara Seri Nusa, Universitas Katolik Indonesia Atma Java.
Paiwan (phrasal)	Austronesian	Ferrell, Raleigh. 1982. Paiwan dictionary. Canberra: Australian National University.
Quicha	Quechan	Orr, Carolyn. 1962. Ecuador Quicha phonology. In Elson, Benjamin (ed.). Studies in Ecuadorian Indian Languages I, pp. 60-77. Norman: OK: Summer Institute of Linguistics.
Quileute	Chimakuan	Powell, J. V and Woodruff, Fred. 1976. Quileute dictionary. Moscow: University of Idaho.
Rapanui	Austronesian	Du Feu, Veronica. 1996. Rapanui. New York: Routledge.
Shona	Niger-Congo	Stevick, Earl. 1965. Shona; basic course. Washington: Department of State.
Sirionó	Tupi	Schermair, Anselmo. 1949. Gramática de la lengua Sirionó. La Paz.
Solor	Austronesian	Arndt, P. P. 1937. Grammatik der Solor-Sprache. Ende, Flores: Arnoldus-Drukkerij.
Sotho	Niger-Congo	Endemann, Karl. 1964. Versuch einer Grammatik des Sotho. Farnborough, England: Gregg Press.
Swahili	Creole	Ashton, E. O.. 1959. A Swahili grammar. London: Longmans.

Tacana	Tacanan	Key, Mary. 1968. Comparative Tacanan phonology with Cavineña phonology and notes on Pano-Tacanan relationship. The Hague: Mouton.
Ternate	West Papuan	Watusseke, F. S. 1991. The Ternate language. In Dutton, Tom (ed.) Papers in Papuan Linguistics 1, pp. 223-244. Canberra: Australian National University.
Tetun	Austronesian	Morris, Cliff. 1984. Tetun-English dictionary. Canberra: Australian National University.
Tiwi	Australian	Osborne, C. R. 1974. The Tiwi language: grammar, myths and dictionary of the Tiwi language spoken on Melville and Bathurst Islands, Northern Australia. Canberra: Australian Institute of Aboriginal Studies.
Tolo	Austronesian	Crowley, Susan Smith. 1986. Tolo dictionary. Canberra: Australian National University.
Tojolabal	Mayan	Furbee-Losee, Louanna. 1976. The correct language, Tojolabal: a grammar with ethnographic notes. New York: Garland.
Tonkawa	Coahuiltecan	Hojjer, Harry. 1946. Tonkawa. In Osgood, Cornelius (ed.), Linguistic Structures of Native America, pp. 55-84. New York: Viking Fund Publications in Anthropology.
Setswana	Niger-Congo	The sound system of Setswana. 1999. Department of African Languages and Literature, University of Botswana. Gaborone, Botswana: Lightbooks.
Toraja Kesu'	Austronesian	Sande, J. S. and Stokhof, W. A. L. 1977. On the phonology of the Toraja Kesu' dialect. Miscellaneous Studies in Indonesian and Languages of Indonesia IV, pp. 19-34.
Swahili	Creole	Ashton, E. O. 1959. Swahili grammar. London: Longmans.
Tuscarora	Iroquoian	Mithun, Marianne. 1976. A grammar of Tuscarora. New York: Garland.
Usan	Trans New Guinea	Reesink, Ger. 1987. Structures and their functions in Usan: a Papuan language of Papua New Guinea. Philadelphia: Benjamins.

Wardaman	Australian	Merlan, Francesca. 1994. A grammar of Wardaman: a language of the Northern Territory of Australia. New York: Mouton de Gruyter.
Wikchamni	Penutian	Gamble, Geoffrey. 1978. Wikchamni grammar. Berkeley: University of California Press
<u>Final</u>		
Abun	West Papuan	Berry, Keith and Berry, Christine. 1999. A description of Abun: a West Papuan language of Irian. Canberra: Australian National University.
Alabama ^a	Muskogean	Rand, Earl. 1968. The structural phonology of Alabaman, a Muskogean language. International Journal of American Linguistics 34, 94-103.
Apinaye	Macro-Ge	Burgess, Eunice and Ham, Patricia. 1968. Multilevel conditioning of phoneme variants in Apinayé. Linguistics: An International Review 41, 5-18.
Aramaic	Afro-Asiatic	Segert, Stanislaw. 1983. Altaramäische Grammatik mit Bibliographie, Chrestomathie und Glossar. Leipzig: Verlag Enzyklopädie.
Atayal	Austronesian	Egerod, Søren. 1966. A statement on Atayal phonology. Artibus Asiae Supplementum XXIII (Felicitation volume for the 75th birthday of Professor G. H. Luce) 1, 120-30.
Azerbaijani	Altaic	Householder, Fred. 1965. Basic course in Azerbaijani. Bloomington: Indiana University
Bashkir	Altaic	Poppe, Nicholas. 1964. Bashkir manual: descriptive grammar and texts with a Bashkir-English glossary. Bloomington: Indiana University Press.
Cakchiquel	Mayan	Berinstein, Ava. 1979. A cross-linguistic study on the perception and production of stress. UCLA MA Thesis.

Canela-Krahô	Macro-Ge	Popjes, Jack and Popjes, Jo. 1986. Canela-Krahô. In Derbyshire, Desmond and Pullum, Geoffrey (eds.). Handbook of Amazonian languages, vol. 1, pp. 128-129. New York: Mouton.
Dani	Trans New Guinea	Bromley, Myron. 1981. A grammar of Lower Grand Valley Dani. Canberra: Australian National University.
Diegueño	Hokan	Langdon, Margaret. 1970. A grammar of Diegueño: The Mesa Grande dialect. Berkeley: University of California Press.
French, European (phrasal)	Indo-European	Delattre, Pierre. 1966. Les dix intonations de base du français. French Review 40, 1-14.
Gagauz	Altaic	Pokrovskaia, L. A.. 1964. Grammatika gagauzskogo iazyka; fonetika i morfologija. Moskva: Nauka.
Greenlandic Inuktitut	Eskimo-Aleut	Thalbitzer, William. 1976. A phonetical study of the Eskimo language: based on observations made on a journey in north Greenland, 1900-1901. New York: AMS Press. Fortescue, Michael. 1984. West Greenlandic. London: Croom Helm.
Guarani	Tupi	Ayala, José Valentin. 1996. Gramática guaraní. Buenos Aires: Ministerio de Educación de la Nación.
Haitian Creole	Creole	d'Ans, Andre Marcel. 1968. Le creole francais d'Haiti: Etude des unites d'articulation, d'expansion et de communication. The Hague: Mouton. Valdman, Albert. 1971. Basic course in Haitian Creole. Bloomington: Indiana University
Hebrew	Afro-Asiatic	Chayen, M. J.. 1973. The phonetics of modern Hebrew. The Hague: Mouton

Hinalug ^b (final in nouns; initial and final in verbs)	North Caucasian	Alekseev, M. E. 2001. Xinalugskij Yazyk. In Alekseev, M. E. (ed.), <i>Yazyki Mira: Kavkazskie Yazyki</i> , pp. 460-469. Moscow: Izdatel'stvo Academia.
Hixkaryána ^a	Carib	Derbyshire, Desmond. 1985. <i>Hixkaryana and linguistic typology</i> . Dallas: Summer Institute of Linguistics.
Iban	Austronesian	Asmah Haji Omar. 1981. <i>The Iban language of Sarawak : a grammatical description</i> . Kuala Lumpur: Dewan Bahasa dan Pustaka, Kementerian Pelajaran Malaysia.
Ivatan	Austronesian	Hidalgo, Cesar and Hidalgo, Araceli. 1971. <i>A tagmemic grammar of Ivatan</i> . Manila: Linguistic Society of the Philippines.
Kavalan	Austronesian	Li, Paul Jen-Kuei. 1982. Kavalan phonology. In Carle, Rainer, Heinschke, Martina, Pink, Peter, Rost, Christel, and Stadlander, Karen (eds.), <i>GAVA, Studies in Austronesian Languages and Cultures</i> , pp. 479-496. Berlin: Dietrich Reimer.
Kayabí	Tupi	Dobson, Rose. 1988. <i>Aspectos da língua kayabí</i> . Brasília: Summer Institute of Linguistics.
Kayapó	Macro-Ge	Stout, Mickey and Ruth Thomson. 1974. Fonêmica Txukuhamei (Kayapó). In Bridgeman, Loraine (ed.). <i>Série Lingüística 3</i> , pp. 153-176. Brasília: Summer Institute of Linguistics 3.
Kazakh	Altaic	<i>Sovremennyi kazakhskii iazyk : fonetika i morfologiya</i> . 1962. Alma-Ata: Izdatel'stvo Akademii nauk Kazakhskoi.
Konkani	Indo-European	Maffei, Angelus Francis Xavier. 1986. <i>A Konkani grammar</i> . New Delhi: Asian Educational Services.
Kurdish	Indo-European	Kurdoev, K. K.. 1957. <i>Grammatika kurdsckogo iazyka (kurmandzhi): fonetika, morfologiya</i> . Moskva: Izdatel'stvo Akademii nauk SSSR.

Lango ^b	Nilo-Saharan	Noonan, Michael. 1992. A grammar of Lango. New York: Mouton.
Maricopa	Hokan	Gordon, Lynn. 1982. Maricopa morphology and syntax. Berkeley: University of California Press.
Mazatec	Oto-Manguean	Jamieson, Allan. 1977. Chiquihuitlan Mazatec phonology. In Merrifield, William (ed.). Studies in Otomanguean Phonology, pp. 93-106. Arlington, TX: Summer Institute of Linguistics.
Moghol	Altaic	Weiers, Michael. 1972. Die Sprache der Moghol der Provinz Herat in Afghanistan. Opladen: Westdeutscher Verlag.
Nanai	Altaic	Avrorin, V. A. 1959. Grammatika nanaiskogo iazyka. Leningrad: Izdatel'stvo Akademii Nauk.
Paipai ^b	Hokan	Joel, Dina Judith. 1966. Paipai phonology and morphology. UCLA Ph.D. dissertation.
Pemon	Carib	Armellada, Cesáreo. 1943. Gramática y diccionario de la lengua pemón (arekuna, taurepán, kamarakoto) (familia Caribe). Caracas: Artes gráficas.
Persian	Indo-European	Windfuhr, Gernott. 1990. Persian. In Comrie, Bernard (ed.), The world's major languages, pp. 523-46. New York: Oxford.
Semai	Austro-Asiatic	Means, Nathalie and Means, Paul. 1986. Sengoi-English, English-Sengoi dictionary. Toronto: University of Toronto.
Shilha ^b	Afro-Asiatic	Applegate, Joseph. 1958. An outline of the structure of Shilha. New York: American Council of Learned Societies.
Stieng	Austro-Asiatic	Miller, Vera Grace. 1976. An overview of Stiêng grammar. Grand Forks: Summer Institute of Linguistics.

Tajiki	Indo-European	Rastorgueva, V. S.. 1963. A Short sketch of Tajik grammar. Bloomington, Indiana University.
Tamazight Berber	Afro-Asiatic	Abdel-Massih, Ernest. 1971. A reference grammar of Tamazight: a comparative study of the Berber dialects of the Ayt Ayache and Ayt Seghrouchen. Ann Arbor: Center for Near Eastern and North African Studies, University of Michigan.
Tatar	Altaic	Poppe, Nicholas. 1963. Tatar manual: descriptive grammar and texts with a Tatar-English glossary. Bloomington: Indiana University Press.
Temiar	Austro-Asiatic	Carey, Iskandar, 1961. Tengleq kui Serok; a study of the Temiar language, with an ethnographical summary. Kuala Lumpur: Dewan Bahasa dan Pustaka.
Thai	Daic	Noss, Richard B. 1964. Thai: reference grammar. Washington: Foreign Service Institute, Department of State.
Tolowa	Na Dene	Bright, Jane. 1964. The phonology of Smith River Athapaskan (Tolowa). International Journal of American Linguistics 30, 101-7.
Tsotsil	Mayan	Weathers, Nadine. 1947. Tsotsil phonemes with special reference to allophones of B. International Journal of American Linguistics 13, 108-111.
Tübatulabal	Uto-Aztecan	Voegelin, Charles. 1935. Tübatulabal grammar. Berkeley: University of California Press.
Turkmen	Altaic	Hanser, Oskar. 1977. Turkmen manual : descriptive grammar of contemporary literary Turkmen: texts: glossary. Wien: Verlag des Verbandes der wissenschaftlichen Gesellschaft Österreichs.
Tzutujil	Penutian	Dayley, Jon. 1985. Tzutujil grammar. Berkeley: University of California Press.
Udi	North Caucasian	Dzeyranishvili, E. F. 2001. Udinskij Yazyk. In Alekseev, M. E. (ed.), Yazyki Mira: Kavkazskie Yazyki, pp. 453-458. Moscow: Izdatel'stvo Academia.

Udmurt	Uralic	Kel'makov, V. K. 1993. Udmurtskij Jazyk. In Jartseva, V.N. (ed.), <i>Jazyki Mira: Uralskie jazyki</i> , pp. 239-255. Moscow: Nauka.
Uighur	Altaic	Nadzhip, E. N. 1971. <i>Modern Uigur</i> . Moscow, Nauka.
Uzbek	Altaic	Poppe, Nicholas. 1962. <i>Uzbek newspaper reader, with glossary</i> . Bloomington: Indiana University Press.
Waiwai	Carib	Hawkins, W. Neill. 1952. <i>A fonologia da língua uáiuái</i> . São Paulo: Brazil Universidade.
Wari' (phrasal)	Chapacura-Wanham	MacEachern, Margaret, Barbara Kern, and Peter Ladefoged. 1997. Wari' phonetic structures. <i>The Journal of Amazonian Languages</i> 1, 5-30.
Waskia ^b	Trans-New Guinea	Ross, Malcolm. 1978. <i>A Waskia grammar sketch and vocabulary</i> . Canberra: Australian National University.
Yagua	Peba-Yaguan	Payne, Doris and Payne, Thomas. 1990. Yagua. In Derbyshire, Desmond and Pullum, Geoffrey (eds.). <i>Handbook of Amazonian Languages</i> , vol.2, pp. 249-474. New York: Mouton.
Yakut	Altaic	Krueger, John. 1962. <i>Yakut manual ; area handbook, grammar, graded reader and glossary</i> . Bloomington: Indiana University.
Yavapai ^b	Hokan	Langdon, Margaret. 1977. Stress, length, and pitch in Yuman languages. In Hyman, Larry (ed.), <i>Studies in Stress and Accent</i> , pp. 239-259. Los Angeles: USC Department of Linguistics.
Yuchi	isolate	Ballard, W. L. 1975. Aspects of Yuchi morphonology. In Crawford, James (ed.). <i>Studies in Southeastern Indian Languages</i> , pp. 237-250. Athens, Georgia: University of Georgia Press.
Zapotec, Mitla ^b	Oto-Manguean	Briggs, Elinor. 1961. <i>Mitla Zapotec grammar</i> . Mexico: Instituto Lingüístico de Verano.

Zazaki Indo-European Paul, Ludwig. 1998. Zazaki: Grammatik und Versuch einer Dialektologie. Wiesbaden: L. Reichert

Final (primary) & Initial (secondary)

Armenian Indo-European Vaux, Bert. 1998. The Phonology of Armenian. Oxford: Clarendon Press.

French,
Canadian Indo-European Gendron, Jean Denis. 1966. Tendances Phonétiques Français Parlé au Canada. Québec: Les Presses de L'université Laval.

Udihe Altaic Nikolaeva, Irina and Maria Tolskaya. 2001. A Grammar of Udihe. New York: Mouton.
Kormushin, Igor Valentinovich. 1998. Udykheiskii (Udegeiskii) Iazyk. Moscow: Nauka.

Antepenult (primary) & Initial (secondary)

Georgian South Caucasian Aronson, Howard. 1991. Georgian: a Reading Grammar. Columbus, Ohio: Slavica.

Zhgenti, Sergi. 1964. The Problem of Rhythmical Stress and Intonation Structure of the Georgian Language. Zeitschrift fur Phonetik, Sprachwissenschaft und Kommunikationsforschung 17, 357-368.

Initial (primary) & Antepenult (secondary)

Mingrelian South Caucasian Klimov, G. A. 2001. Megrel'skii Yazyk. In Alekseev, M. E. (ed.), Yazyki Mira: Kavkazskie Yazyki, pp. 52-58. Moscow: Izdatel'stvo Academia.

Walmatjari Australian Hudson, Joyce. 1978. The core of Walmatjari grammar. Canberra: Australian Institute of Aboriginal Studies.

Initial (primary) & Penult (secondary)

Gugu Yalanji	Australian	Oates, William and Lynette Oates. 1964. Gugu-Yalanji and Wik-Munkan Language Studies. Canberra: Australian Institute of Aboriginal Studies.
Lower Sorbian	Indo-European	Janas, Petr. 1984. Niedersorbische Grammatik für den Schulgebrauch. Bautzen: Domowina-Verlag.
Watjarri	Australian	Douglas, Wilfrid. 1981. Watjarri. In Dixon, R.M.W. and Blake, Barry (eds.), Handbook of Australian Languages, vol. 2, pp. 196-272. Amsterdam,: J. Benjamins.

Penult (primary) & Initial (secondary)

Anyula	Australian	Kirston, Jean. 1967. Anyula Phonology. In Glasgow, D., Glasgow, K., Kirton, J., & Oates, W. J. (eds.), Papers in Australian Linguistics, pp. 15-28. Canberra: Australian National University.
Awtuw	Sepik-Ramu	Feldman, Harry. 1986. A grammar of Awtuw. Canberra: Australian National University.
Chimalapa Zoque	Mixe-Zoque	Knudson, Lyle. 1975. A natural phonology and morphophonemics of Chimalapa Zoque. Papers in Linguistics 8, 283-346.
Murut	Austronesian	Prentice, D. J. 1971. The Murut languages of Sabah. Canberra: The Australian National University.
Sanuma	Yanomam	Borgman, Donald. 1989. Sanuma. In Derbyshire, Desmond and Pullum, Geoffrey (eds.). Handbook of Amazonian languages, vol. 2, pp. 15-248. New York: Mouton.

Sibutu Sama	Austronesian	Kager, René. 1997. Generalized alignment and morphological parsing. <i>Rivista di Linguistica</i> 9, 245-82.
		Allison, E. J. 1979. The phonology of Sibutu Sama: a language of the Southern Philippines. In Edrial-Luzares, C. and Hale, A. (eds.), <i>Studies in Philippine Linguistics</i> 3:2, pp. 63-104. Linguistic Society of the Philippines and Summer Institute of Linguistics.

Even-numbered from left

Araucanian	Araucanian	Echeverría, Max and Helen Contreras. 1965. Araucanian phonemics. <i>International Journal of American Linguistics</i> 31, 132-35.
Hatam	West Papuan	Reesink, Ger P. 1999. <i>A grammar of Hatam</i> . Canberra: Australian National University
Yupik, Sirenik	Eskimo-Aleut	Menovshchikov, G. A. 1962. <i>Grammatika iazyka aziatskikh eskimosov</i> . Leningrad: Izdatelstvo Akademii Nauk SSR.
		Menovshchikov, G. A. 1975. <i>Iazyk naukanskih eskimosov</i> . Leningrad: Nauka.

Even-numbered from right

Anejom	Austronesian	Lynch, John. 2000. <i>A grammar of Anejom</i> . Canberra: Australian National University.
Berbice	Creole	Kouwenberg, Silvia. 1994. <i>A grammar of Berbice Dutch Creole</i> . New York: Mouton de Gruyter.
Cavineña	Tacanan	Key, Mary. 1968. Comparative Tacanan phonology with Cavineña phonology and notes on Pano-Tacanan relationship. The Hague: Mouton.
Djingili	Australian	Chadwick, Neil. 1975. <i>A descriptive study of the Djingili language</i> . Canberra: Australian National University.

Ese Ejja	Tacanan	Key, Mary. 1968. Comparative Tacanan phonology with Cavineña phonology and notes on Pano-Tacanan relationship. The Hague: Mouton.
Larike ^b	Austronesian	Laidig, Carol. 1992. Segments, syllables, and stress in Larike. In Burquest, Donald and Laidig, Wyn (eds.), Phonological studies in four languages of Maluku, pp. 67-126. Dallas: Summer Institute of Linguistics.
Malakmalak	Australian	Birk, D. B. W. 1976. The Malakmalak Language, Daly River (Western Arnhem Land). Canberra: Australian National University.
Muna	Austronesian	Berg, René van den. 1989. A grammar of the Muna language. Dordrecht: Foris.
Nengone	Austronesian	Tryon, Darrell. 1967. Nengone Grammar. Canberra: Australia National University.
Orokolo	Trans New Guinea	Brown, Herbert. 1986. A comparative dictionary of Orokolo, Gulf of Papua. Canberra: Australian National University.
Tawala	Austronesian	Ezard, Bryan. 1997. A grammar of Tawala : an Austronesian language of the Milne Bay area, Papua New Guinea. Canberra: Australian National University
To' abaita	Austronesian	Lichtenberk, Frantisek. 1984. Toabaita language of Malaita, Solomon Islands. Auckland: University of Auckland.
Tukang Besi	Austronesian	Donohue, Mark, 1999. A grammar of Tukang Besi. New York: Mouton.
Ura	Austronesian	Crowley, Terry. 1998. Ura. München: Lincom Europa.
Warao	isolate	Osborn, Henry: 1966. Warao I: Phonology and morphophonemics. International Journal of American Linguistics 32, 108-23.

Odd-numbered from right

Asmat	Trans-New Guinea	Voorhoeve, C. 1965. The Flamingo Bay dialect of the Asmat language. 's-Gravenhage: M. Nijhoff
Chulupi	Mataco-Guaicuru	Stell, Nélide Noemi. 1972. Fonología de la Lengua Alulaj. Buenos Aires: Universidad de Buenos Aires.
Kamayurá	Tupi	Saelzer, Meinke. 1976. Fonologia provisória da língua Kamayurá. In Bridgeman, Loraine (ed.) Série Lingüística 5, 131-70.
Suruwahá	Arawan	Everett, Daniel. 1996. Prosodic levels and constraints in Banawa and Suruwaha. Ms. University of Pittsburgh. [Available online, ROA-121, Rutgers Optimality Archive, http://rucss.rutgers.edu/roa.html]
Urubú Kaapor	Tupi	Kakumasu, James. 1986. Urubu-Kaapor. In Derbyshire, Desmond and Pullum, Geoffrey (eds.). Handbook of Amazonian languages, vol. 1, pp. 326-406. New York: Mouton.
Weri	Trans-New Guinea	Boxwell, Helen and Maurice Boxwell. 1966. Weri phonemes. In Wurm, Stephen A. (ed.). Papers in New Guinea Linguistics 5, pp. 77-93. Canberra: Australian National University.

Odd-numbered from left

Bagandji	Australian	Hercus, L. A. 1982. The Bagandji language. Canberra: Australian National University.
Burum (optional nonfinality)	Trans-New Guinea	Olkkonen, S. 1985. Burum phonology. In Five Phonological Studies. Ukarumpa, Papua New Guinea: Summer Institute of Linguistics.
Czech	Indo-European	Jakobson, Roman. 1962. Contributions to the study of Czech accent. In Selected Writings I: Phonological Studies, pp. 614-25. The Hague: Mouton.

Hanty	Uralic	Rédei, Károly. 1965. Northern Ostyak chrestomathy. Bloomington: Indiana.
Hungarian	Uralic	Hall, Robert. 1938. An analytical grammar of the Hungarian language. Baltimore: Linguistic Society of America.
Icelandic	Indo-European	Árnason, Kristján. 1985. Quantity in historical phonology: Icelandic and related cases. Cambridge: Cambridge University Press.
Livonian	Uralic	Kettunen, Lauri. 1938. Livisches Wörterbuch mit grammatischer Einleitung. Helsinki: Suomalais-Ugrilainen Seura.
Mansi	Uralic	Kálmán, Béla. 1965. Vogul Chrestomathy. Bloomington: Indiana University. Láko, Gyula. 1957. Nordmansische Sprachstudien. Acta Linguistica Academiae Scientiarum Hungaricae 6, 347-423.
Maranungku	Australian	Tryon, Darrell. 1970. An Introduction to Maranungku. Canberra: Australian National University.
Murinbata	Australian	Street, Chester S. and Molligin, Gregory P.. 1981. The phonology of Murinbata. In Waters, Bruce (ed.), Australian phonologies: Collected papers, pp. 183-244. Darwin: Summer Institute of Linguistics
Ningil	Torricelli	Manning, Margaret and Sagers, Naomi. 1977. A tentative phonemic analysis of Ningil. Phonologies of Five Papua New Guinea Languages languages, pp. 49-72. Ukarumpa, Papua New Guinea: Summer Institute of Linguistics.
Ono	Trans-New Guinea	Phinmore, Thomas. 1985. Ono Phonology and Morphophonemics. Papers in New Guinea Linguistics 22, 173-214.
Panamint	Uto-Aztecan	Dayley, Jon. 1989. Tümpisa (Panamint) Shoshone Grammar. Berkeley: University of California Press.

Sámi, Northern (optional nonfinality)	Uralic	Nielsen, Konrad. 1926. Lærebok i Lappisk. Oslo: A. W. Brøggers.
Selepet (optional nonfinality)	Trans-New Guinea	McElhanon, K. A. 1970. Selepet phonology. Canberra: Australian National University.
Sinaugoro	Austronesian	Tauberschmidt, Gerhard. 1999. A grammar of Sinaugoro : an Austronesian language of the Central Province of Papua New Guinea. Canberra: Australian National University.
Timucua	Arawakan	Granberry, Julian. 1993. A grammar and dictionary of the Timucua language. Tuscaloosa: University of Alabama Press.
Votic	Uralic	Ariste, Paul. 1968. A grammar of the Votic language. Bloomington: Indiana University Press.
Waorani (odd- numbered from L in roots, even- numbered from R in suffixes)	unclassified	Echeverría, Max and Contreras, Helen. 1965. Araucanian phonemics. International Journal of American Linguistics 31, 132-35.

Odd-numbered from left minus final

Anguthimri	Australian	Crowley, Terry. 1981. The Mpakwithi dialect of Anguthimri. In Dixon, R.M.W. and Blake, Barry. (eds.), Handbook of Australian languages, vol. 2, pp. 146-94. Amsterdam: John Benjamins.
Badimaya	Australian	Dunn, Leone. 1988. Badimaya, a Western Australian language. Papers in Australian Linguistics 17, Pacific Linguistics A71, pp. 19-49. Canberra: Australian National University.

Bidyara/ Gungabula	Australian	Breen, Gavan. 1973. Bidyara and Gungabala: Grammar and vocabulary. Linguistic Communications 8, Melbourne: Monash University.
Dalabon	Australian	Capell, Arthur. 1962. Some linguistic types in Australia. Oceania Linguistic Monographs 7. University of Sydney.
Dehu	Austronesian	Tryon, Darrell. 1967. Dehu grammar. Canberra: Australian National University.
Diyari	Australian	Austin, Peter. 1981. A grammar of Diyari, South Australia. Cambridge Studies in Linguistics 32. Cambridge: Cambridge University Press.
Karelian	Uralic	Leskinen, Heikki. 1984. Über die Phonemsystem der Karelischen Sprache. In Hajdú, Péter and Honti, László (eds.), Studien zur Phonologischen Beschreibung uralischer Sprachen, pp. 247-257. Budapest: Akadémiai Kiadó.
Kate	Trans-New Guinea	Flierl, W. and Strauss, H. 1977. Kâte dictionary. Canberra: Australian National University.
Pintupi	Australian	Hansen, Kenneth and L.E. 1969. Pintupi phonology. Oceanic Linguistics 8, 153-70. Hansen, Kenneth and L.E. 1978. The core of Pintupi grammar. Alice Springs: Institute for Aboriginal Development.
Pitta Pitta	Australian	Blake, Barry. 1969. Pitta-Pitta. In Dixon, R.M.W. and Blake, Barry (eds.), Handbook of Australian languages, vol. 1. pp. 182-242. Amsterdam: John Benjamins.
Tenango Otomi ^b	Oto-Manguean	Blight, Richard and Pike, Eunice. 1976. The phonology of Tenango Otomi. International Journal of American Linguistics 42, 51-57.
Wangkumara	Australian	McDonald, M. and Wurm, Stephen. 1979. Basic materials in Wangkumara (Galali): Grammar, sentences, and vocabulary. Pacific Linguistics B65. Canberra: Australian National University.

