

Aché (Guayaki)

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Compiled by Thanos Kouravelos

- Allen-Arave, W., Gurven, M. & Hill, K.
- 2008 Reciprocal altruism, rather than kin selection, maintains nepotistic food transfers on an Ache reservation. *Evolution & Human Behavior* 29(5):305-318.
- Baker, J., Hurtado, A. M., Pearson, O. M., Hill, K. R., Jones, T. & Frey, M. A.
- 2009 Developmental plasticity in fat patterning of Ache children in response to variation in interbirth intervals: a preliminary test of the roles of external environment and maternal reproductive strategies. *American Journal of Human Biology* 21(1):77-83.
- Battilana, J., Bonatto, S. L., Freitas, L. B., Hutz, M. H., Weimer, T. A., Callegari-Jacques, S. M., Batzer, M. A., Hill, K., Hurtado, A. M., Tsuneto, L. T., Petzl-Erler, M. L. & Salzano, F. M.
- 2002 *Alu* insertions vs. blood group plus protein genetic variability in four Amerindian populations. *Annals of Human Biology* 29(3):334-347.
- Battilana, J., Cardoso-Silva1, L., Barrantes, R., Hill, K., Hurtado, A. M., Salzano, F. M. & Bonatto, S. L.
- 2007 Molecular variability of the 16p13.3 region in Amerindians and its anthropological significance. *Annals of Human Genetics* 71(1):64-76.
- Blurton Jones, N. G., Marlowe, F. W., Hawkes, K. & O'Connell, J. F.
- 2000 "Paternal investment and hunter-gatherer divorce rates", in *Adaptation and human behavior: an anthropological perspective*, by Lee Cronk, Napoleon Chagnon & William Irons (eds.), pp. 69-90. Hawthorne, NY: Aldine de Gruyter, Evolutionary Foundations of Human Behavior.
- Borgerhoff Mulder, M., Bowles, S., Hertz, T., Bell, A., Beise, J., Clark, G., Fazzio, I., Gurven, M., Hill, K., Hooper, P. L., Irons, W., Kaplan, H., Leonetti, D., Low, B., Marlowe, F., McElreath, R., Naidu, S., Nolin, D., Riraino, P., Quinlan, R., Schniter, E., Sear, R., Shenk, M., Smith, E. A., von Rueden, C. & Wiessner, P.
- 2009 Intergenerational wealth transmission and the dynamics of inequality in small-scale societies. *Science* 326(5953):682-688.
- Bortolini, M. C., Salzano, F. M., Bau, C. H., Layrisse, Z., Petzl-Erler, M. L., Tsuneto, L. T., Hill, K., Hurtado, A. M., Castro-de-Guerra, D., Bedoya, G. & Rutz Linares, A.
- 2002 Y-chromosome biallelic polymorphisms and Native American population structure. *Annals of Human Genetics* 66(4):255-259.
- Bortolini, M., Salzano, F. M., Thomas, M. G., Stuart, S., Nasanem, S. P. K., Bau, C. H. D., Hutz, M. H., Layrisse, Z., Petzl-Erler, M. L., Tsuneto, L. T., Hill, K., Hurtado, A. M., Castro-de-Guerra, D., Torres, M. M., Groot, H., Michalski, R., Nymadawa, P., Bedoya, G., Bradman, N., Labuda, D. & Ruiz-Linares, A.
- 2003 Y-chromosome evidence for differing ancient demographic histories in the Americas. *American Journal of Human Genetics* 73(3):524-539.
- Bribiescas, R. G. & Hill, K. R.
- 2010 Circadian variation in salivary testosterone across age classes in Ache Amerindian males of Paraguay. *American Journal of Human Biology*

- 22(2):216-220.
- Callegrari-Jacques, S. M., Crossetti, S. G., Kohlrausch, F. B., Salzano, F. M., Tsuneto, L. T., Petzl-Erler, M. L., Hill, K., Hurtado, A. M. & Hutz, M. H.
- 2007 The β -globin gene cluster distribution revisited: patterns in native American populations. *American Journal of Physical Anthropology* 134(2):190-197.
- Callegrari-Jacques, S. M., Hill, K., Hurtado, A. M., Rodrigues, L. T., Bau, C. H. D. & Salzano, F. M.
- 2008 Genetic clues about the origin of Aché hunter-gatherers of Paraguay. *American Journal of Human Biology* 20(6):735-737.
- Clastres, P.
- 1964 Compte rendu de mission chez les Indiens Guayaki (Paraguay) [Mission report from Guayaki Indians (Paraguay)]. *L'Homme* 4(2):122-125.
- 1965 La vie sociale d'une tribu nomade: les Indiens Guayaki du Paraguay (The social life of a nomadic tribe: the Guayaki Indians of Paraguay). Ph.D. Thesis, Paris, France. 220 p.
- 1966a L'arc et le panier (The bow and the basket). *L'Homme* 6(2):13-31.
- 1966b La civilisation Guayaki: archaïsme ou régression? (Guayaki civilization: archaism or regression?) *Suplemento Antropológico de la Revista del Ateneo Paraguayo* 2(1):55-64.
- 1967a Ethnologie des Indiens Guayaki: la vie sociale de la tribu (Guayaki Indians ethnology: the social life of a tribe). *L'Homme* 7(4):5-24.
- 1967b Mission au Paraguay et au Brésil (Mission to Paraguay and Brazil). *L'Homme* 7(4):101-108.
- 1968a Ethnographie des Indiens Guayaki (Paraguay - Brésil) [Guayaki Indians ethnography (Paraguay - Brazil)] *Journal de la Société des Américanistes* 57:8-61.
- 1968b "Avant-propos" (Foreword), in *Diccionario guayaki-español* (Guayaki-Spanish dictionary), by Léon Cadogan. Paris: Musée de l'Homme, Société des amérivanistes.
- 1972a *Chronique des indiens Guayaki: ce que savent les Aché, chasseurs nomades du Paraguay*. Paris: Plon, Terre Humaine. 314 p. (English edition: *Chronicle of the Guayaki Indians: the Ache, nomadic hunters of Paraguay*, translated by Paul Auster & Lydia Davis. New York: Urizen Books, Mole Editions, 1981.)
- 1972b "The Guayaki", in *Hunters and gatherers today: a socioeconomic study of eleven such cultures in the twentieth century*, by Marco G. Bicchieri (ed.), pp. 138-174. New York: Holt, Rinehart and Winston.
- 1973 De la torture dans les sociétés primitives (Of torture in primitive societies). *L'Homme* 13(3):114-120.
- 1974a *La société contre l'état: recherches d'anthropologie politique*. Paris: Minuit, Collection Critique. 186 p. (English edition: *Society against the state: the leader as servant and the humane uses of power among the Indians of the Americas*, translated by Robert Hurley in collaboration with Abe Stein. New York: Urizen Books, Mole Editions, 1977.)
- 1974b "Guayaki cannibalism", in *Native South Americans: ethnology of the least known continent*, by Patricia J. Lyon (ed.), pp. 309-321. Boston, MA: Little, Brown & Co.

- Clastres, P. & Sebag, L.
- 1964 Cannibalisme et mort chez les Guayakis (Aché) [Cannibalism and death in the Guayaki (Ache)]. *Revista do Museu Paulista* 14:174-181.
- Cordain, L., Lindeberg, S., Hurtado, M., Hill, K., Eaton, S. B. & Brand-Miller, J.
- 2002 Acne vulgaris: a disease of Western civilization. *Archives of Dermatology* 138(12):1584-1590.
- Demarchi, D. A., Marcellino, A. J., de Basualdo, M. A., Colantonio, S. E., de Stefano, G. F., Hutz, M. H., Salzano, F. M., Hill, K., Hurtado, A. M., Carnese, F. R., Goicoechea, A. S., Dejean, C. B., Guevara, A. G. & Crawford, M. H.
- 1999 Apolipoprotein B signal peptide polymorphism distribution among south Amerindian populations. *Human Biology* 71(6):995-1000.
- Ellison, P. T., Bribiescas, R. G., Bentley, G. R., Campbell, B. C., Lipson, S. F., Panter-Brick, C. & Hill, K.
- 2002 Population variation in age-related decline in male salivary testosterone. *Human Reproduction* 17(12):3251-3253.
- Gaspar, P. A., Hutz, M. H., Salzano, F. M., Hill, K., Hurtado, A. M., Petzl-Erler, M. L., Tsuneto, L. T. & Weimer, T. A.
- 2002 Polymorphisms of *CYP1a1*, *CYP2e1*, *GSTM1*, *GSTT1*, and *TP53* genes in Amerindians. *American Journal of Physical Anthropology* 119(3):249-256.
- Gurven, M.
- 2004 Reciprocal altruism and food sharing decisions among Hiwi and Ache hunter-gatherers. *Behavioral Ecology and Sociobiology* 56(4):366-380.
 - 2006 The evolution of contingent cooperation. *Current Anthropology* 47(1):185-192.
- Gurven, M., Allen-Arave, W., Hill, K. & Hurtado, A. M.
- 2000 "It's a wonderful life": signalling generosity among the Ache of Paraguay. *Evolution & Human Behavior* 21(4):263-282.
 - 2001 Reservation food sharing among the Ache of Paraguay. *Human Nature* 12(4):273-297.
- Gurven, M., Hill, K. & Jakugi, F.
- 2004 Why do foragers share and sharers forage? Explorations of social dimensions of foraging. *Research in Economic Anthropology* 23:19-43.
- Gurven, M., Hill, K. & Kaplan, H.
- 2002 From forest to reservation: transitions in food-sharing behavior among the Ache of Paraguay. *Journal of Anthropological Research* 58(1):93-120.
- Hawkes, K.
- 1990 "Why do men hunt? Benefits for risky choices", in *Risk and uncertainty in tribal and peasant economies*, by Elizabeth Cashdan (ed.), pp. 145-166. Boulder, CO: Westview Press.
 - 1991 Showing off: tests of an hypothesis about men's foraging goals. *Ethology and Sociobiology* 12(1):29-54.
 - 1993 Why hunter-gatherers work: an ancient version of the problem of public goods. *Current Anthropology* 34(4):341-361.
- Hawkes, K., Hill, K. & O'Connell, J. F.
- 1992 Why hunters gather: optimal foraging and the Aché of eastern Paraguay. *American Ethnologist* 9(2):379-398.
- Hawkes, K., Kaplan, H., Hill, K. & Hurtado, A. M.
- 1987a Ache at the settlement: contrasts between farming and foraging.

- Human Ecology* 15(2):133-161.
- 1987b A problem of bias in scan sampling. *Journal of Anthropological Research* 43(3):239-246.
- Hawkes, K., O'Connell, J. F., Hill, K. & Charnov, E. L.
- 1985 How much is enough? Hunters and limited needs. *Ethology and Sociobiology* 6(1):3-15.
- Hill, K.
- 1983a Adult male subsistence strategies among Ache hunter-gatherers of eastern Paraguay. Ph.D. Thesis, Department of Anthropology, University of Utah, Salt Lake City, Utah, USA.
- 1983b Los Aché del Paraguay oriental: condiciones actuales e historia reciente. *Suplemento Antropológico* 18(1):149-178.
- 1988 Macronutrient modifications of optimal foraging theory: an approach using indifference curves applied to some modern foragers. *Human Ecology* 16(2):157-197.
- 1993 Sixteen years of research with Ache hunter-gatherers. *AnthroQuest* 48:9-11.
- 1994 "Ache", in *Encyclopedia of world cultures*, Vol. VII: *South America*, by Johannes Wilbert (ed.), pp. 3-7. Boston, MA: G. K. Hall.
- 2002 Altruistic cooperation during foraging by the Ache, and the evolved human predisposition to cooperate. *Human Nature* 13(1):105-128.
- Hill, K. & Gurven, M.
- 2004 "Economic experiments to examine fairness and cooperation among the Ache Indians of Paraguay", in *Foundations of human sociality: economic experiments and ethnographic evidence from fifteen small-scale societies*, by Joseph Henrich, Robert Boyd, Samuel Bowles, Colin Camerer, Ernst Fehr & Herbert Gintis (eds.), pp. 382-412. Oxford: Oxford University Press.
- Hill, K. & Hawkes, K.
- 1983 "Neotropical hunting among the Aché of eastern Paraguay", in *Adaptive responses of native Amazonians*, by Raymond B. Hames & William T. Vickers (eds.), pp. 139-188. New York: Academic Press.
- Hill, K., Hawkes, K., Hurtado, A. M. & Kaplan, H.
- 1984 Seasonal variance in the diet of Ache hunter-gatherers in eastern Paraguay. *Human Ecology* 12(2):101-135.
- Hill, K. & Heckart, C. J.
- 1998 "Ache comparative word list", in *Intercontinental dictionary series* Vol. 1: *South American Indian languages, computer database*, by Mary Ritchie Key (ed.). Private Printing Press.
- Hill, K. & Hurtado, A. M.
- 1989 The hunter-gatherers of the New World. *American Scientist* 77(5):437-443.
- 1996 *Ache life history: the ecology and demography of a foraging people*. Hawthorne, NY: Aldine de Gruyter, Foundations of Human Behavior. 561 p.
- 1999 "The Ache of Paraguay", in *The Cambridge encyclopedia of hunters and gatherers*, by Richard B. Lee & Richard Daly (eds.), pp. 92-96. Cambridge: Cambridge University Press.
- 2004 "The ethics of anthropological research with remote tribal populations", in *Lost paradises and the ethics of research and*

- publication*, by Francisco M. Salzano & A. Magdalena Hurtado (eds.), pp. 193-210. New York: Oxford University Press.
- Hill, K. & Kaplan, H.
- 1988a “Tradeoffs in male and female reproductive strategies among the Ache: part 1”, in *Human reproductive behavior: a Darwinian perspective*, by Laura L. Betzig, Monique Borgerhoff Mulder & Paul Turke (eds.), pp. 277-290. Cambridge: Cambridge University Press.
 - 1988b “Tradeoffs in male and female reproductive strategies among the Ache: part 2.”, in *Human reproductive behavior: a Darwinian perspective*, by Laura L. Betzig, Monique Borgerhoff Mulder & Paul Turke (eds.), pp. 291-306. Cambridge: Cambridge University Press.
- Hill, K., Kaplan, H., Hawkes, K. & Hurtado, A. M.
- 1985 Men’s time allocation to subsistence work among the Ache of Eastern Paraguay. *Human Ecology* 13(1):29-47.
 - 1987 Foraging decisions among Ache hunter-gatherers: new date and implications for optimal foraging models. *Ethology and Sociobiology* 8(1):1-36.
- Hill, K., McMillan, G. & Fariña, R.
- 2003 Hunting-related changes in game encounter rates from 1994 to 2001 in the Mbaracayu Reserve, Paraguay. *Conservation Biology* 17(5):1312-1323.
- Hill, K. & Padwe, J.
- 2000 “Sustainability of Ache hunting in the Mbaracayu Reserve, Paraguay”, in *Hunting for sustainability in tropical forests*, by John G. Robinson & Elizabeth L. Bennett (eds.), pp. 79-105. New York: Columbia University Press.
- Hill, K., Padwe, J., Bejyvagi, C., Bepurangi, A., Jakugi, F., Tykuarangi, R. & Tykuarangi, T.
- 1997 Impact of hunting on large vertebrates in the Mbaracayu Reserve, Paraguay. *Conservation Biology* 11(6):1339-1353.
- Hill, K. & Tykuarangi, T.
- 1996 “The Mbaracayu Reserve and the Ache of Paraguay”, in *Traditional peoples and biodiversity conservation in large tropical landscapes*, by Kent H. Redford & Jane A. Mansour (eds.), pp. 159-196. Arlington, VA: Nature Conservancy.
- Hitchcock, R. K., Flowerday, C. & Koperski, T. E.
- 2011 “The Ache of Paraguay and other ‘isolated’ indigenous Latin American peoples: genocide or ethnocide?”, in *The genocide of indigenous peoples*, by Samuel Totten & Robert K. Hitchcock (eds.), pp. 173-194. New Brunswick, NJ: Transaction Publishers, Genocide: A Critical Bibliography Vol. 8.
- Hitchcock, R. K., Koperski, T. E. & Flowerday, C.
- 2008 “Genocidio y etnocidio de pueblos indigenas: el caso de los Aché del Paraguay”, in *Los Aché del Paraguay: discusión de un genocidio*, by Alejandro Parellada & María de Lourdes Beldi de Alcántara (eds.), pp. 43-54. Copenague: Grupo International de Trabajo sobre Asuntos Indigenas (IWGIA).
- Hurtado, A. M., Hawkes, K., Hill, K. & Kaplan, H.
- 1985 Female subsistence strategies among Ache hunter-gatherers of Eastern Paraguay. *Human Ecology* 13(1):1-28.

- Hurtado, A. M. & Hill, K.
- 1992 "Paternal effect on offspring survivorship among Ache and Hiwi hunter-gatherers: implications for modeling pair-bond stability", in *The father-child relationship: cultural and biosocial contexts*, by Barry S. Hewlett (ed.), pp. 31-55. Hawthorne, NY: Aldine de Gruyter.
- Hurtado, A. M., Hill, K., Hurtado, I. & Kaplan, H.
- 1992 Tradeoffs between female food acquisition and child care among Hiwi and Ache foragers. *Human Nature* 3(3):185-216.
- Hurtado, A. M., Hill, K. R., Rosenblatt, W., Bender, J. & Scharmen, T.
- 2003 Longitudinal study of tuberculosis outcomes among immunologically naïve Aché natives of Paraguay. *American Journal of Physical Anthropology* 121(2):134-150.
- Jones, D. & Hill, K.
- 1993 Criteria of facial attractiveness in five populations. *Human Nature* 4(3):271-296.
- Kaplan, H. & Hill, K.
- 1985a Hunting ability and reproductive success among male Ache foragers: preliminary results. *Current Anthropology* 26(1):131-133.
- 1985b Food sharing among Ache foragers: tests of explanatory hypotheses. *Current Anthropology* 26(2):223-246.
- Kaplan, H., Hill, K., Hawkes, K. & Hurtado, A. M.
- 1984 Food sharing among the Ache hunter-gatherers of Eastern Paraguay. *Current Anthropology* 25(1):113-115.
- Kaplan, H., Hill, K. & Hurtado, A. M.
- 1990 "Risk, foraging and food sharing among the Ache", in *Risk and uncertainty in tribal and peasant economies*, by Elizabeth Cashdan (ed.), p.107-144. Boulder, CO: Westview Press.
- Kohlrausch, F. B., Callegari-Jacques, S. M., Tsuneto, L. T., Petzl-Erler, M. L., Hill, K., Hurtado, A. M., Salzano, F. M. & Hutz, M. H.
- 2005 Geography influences microsatellite polymorphism diversity in Amerindians. *American Journal of Physical Anthropology* 126(4):463-470.
- Mingroni-Netto, R. C., Angeli, C. B., Auricchio, M. T., Leal-Mesquita, E. R., Ribeiro-dos Santos, A. K., Ferrari, I., Hutz, M. H., Salzano, F. M., Hill, K., Hurtado, A. M. & Vianna-Morgante, A. M.
- 2002 AM distribution of CGG repeats and FRAXAC1/DXS548 alleles in South American populations. *American Journal of Medical Genetics* 111(3):243-252.
- Monsalve, M. V., Salzano, F. M., Rupert, J. L., Hutz, M. H., Hill, K., Hurtado, A. M., Hochachka, P. W. & Devine, D. V.
- 2003 Methylenetetrahydrofolate reductase (MTHFR) allele frequencies in Amerindians. *Annals of Human Genetics* 67(4):367-371.
- Naidoo, R. & Hill, K.
- 2006 Emergence of indigenous vegetation classifications through integration of traditional ecological knowledge and remote sensing analyses. *Environmental Management* 38(3):377-387.
- Schmitt, R., Bonatto, S. L., Freitas, L. B., Muschner, V. C., Hill, K., Hurtado, A. M. & Salzano, F. M.
- 2004 Extremely limited mitochondrial DNA variability among the Aché Natives of Paraguay. *Annals of Human Biology* 31(1):87-94.

- Smith, E. A.
- 2004 Why do good hunters have higher reproductive success? *Human Nature* 15(4):343-364.
- Smith, E. A., Hill, K., Marlowe, F. W., Nolin, D., Wiessner, P., Gurven, M., Bowles, S., Borgerhoff Mulder, M., Hertz, T. & Bell, A.
- 2010 Wealth transmission and inequality among hunter-gatherers. *Current Anthropology* 51(1):19-34.
- Tsuneto, L. T., Probst, C. M., Hutz, M. H., Salzano, F. M., Rodriguez-Delfin, L. A., Zago, M. A., Hill, K., Hurtado, A. M., Ribeiro-dos-Santos, A. K. C. & Petzl-Erler, M. L.
- 2003 HLA class II diversity in seven Amerindian populations: clues about the origins of Aché. *Tissue Antigens* 62(6):512-526.
- Wagner, J., Walker, R. & Hill, K.
- 2005 Cognition and electroencephalography across the lifespan among the Ache. *American Journal of Physical Anthropology*. 126(S40):216.
- Walker, R. & Hill, K.
- 2003 Modeling growth and senescence in physical performance among the Ache of Eastern Paraguay. *American Journal of Human Biology* 15(2):196-208.
- Walker, R., Hill, K., Kaplan, H. & McMillan, G.
- 2002 Age-dependency in hunting ability among the Ache of Eastern Paraguay. *Journal of Human Evolution* 42(6):639-657.
- Waynforth, D., Hurtado, A. M. & Hill, K.
- 1998 Environmentally contingent reproductive strategies in Mayan and Ache males. *Evolution & Human Behavior* 19(6):369-386.
- Wilbur, A. K., Kubatko, L. S., Hurtado, A. M., Hill, K. R. & Stone, A. C.
- 2007 Vitamin D receptor gene polymorphisms and susceptibility *M. tuberculosis* in native Paraguayans. *Tuberculosis* 87(4):329-337.
- Wood, B. & Hill, K.
- 2000 A test of the “showing-off” hypothesis with Ache hunters. *Current Anthropology* 41(1):124-125.