

**Certificate of Conformity and Affidavit of William C. McGrew sworn to November 21, 2013**



**PETER C FLETCHER**  
**Notary Public**

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**Certificate of Conformity**

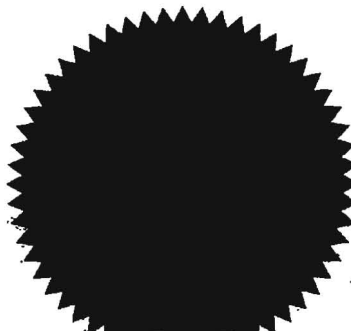
I, Peter Coleman Fletcher of Cambridge, England, Notary Public duly authorised admitted and sworn, and practising within the United Kingdom and Northern Ireland do hereby certify and affirm under penalty of perjury that I witnessed the signature of Professor William C. McGrew as applied to the Affidavit attached to this Certificate, which was signed and dated on 21st November 2013.



I confirm that the manner in which the Certificate was signed was, and is, in accordance with, and conforms to, the Laws for taking oaths and acknowledgements in England.

Peter Coleman Fletcher

Notary Public

21/11/13



<b>APOSTILLE</b> (Convention de La Haye du 5 octobre 1961)	
<b>1. Country:</b> Pays/Pais	United Kingdom of Great Britain and Northern Ireland
<b>This public document</b> Le présent acte public / El presente documento público	
<b>2. Has been signed by</b> a été signé par ha sido firmado por	Peter C Fletcher
<b>3. Acting in the capacity of</b> agissant en qualité de quien actúa en calidad de	Notary Public
<b>4. Bears the seal/stamp of</b> est revêtu du sceau / timbre de y está revestido del sello / timbre de	The Said Notary Public
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<b>5. at</b> à / en	London
<b>6. the</b> le / el día	22 November 2013
<b>7. by</b> par / por	Her Majesty's Principal Secretary of State for Foreign and Commonwealth Affairs
<b>8. Number</b> sous no / bajo el número	J856269
<b>9. Seal / stamp:</b> Sceau / timbre: Sello / timbre:	
<b>10. Signature:</b> Signature: Firma:	O. Matti 

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STATE OF NEW YORK  
SUPREME COURT COUNTY OF NIAGARA

\_\_\_\_\_  
In the Matter of a Proceeding under Article 70 of )  
the CPLR for a Writ of Habeas Corpus, )

THE NONHUMAN RIGHTS PROJECT, INC., )  
on behalf of KIKO, )

Petitioners, )

v. )

CARMEN PRESTI, individually and as an officer )  
and director of The Primate Sanctuary, Inc., )  
CHRISTIE E. PRESTI, individually and as an )  
officer and director of The Primate Sanctuary, Inc., )  
and THE PRIMATE SANCTUARY, INC., )

Respondents. )  
\_\_\_\_\_

**AFFIDAVIT OF  
WILLIAM C. McGREW**

Index No.:

UNITED KINGDOM )  
COUNTRY OF ENGLAND ) ss:  
CITY OF Cambridge )

William C. McGrew being duly sworn, deposes and says:

**Introduction and Qualifications**

1. My name is William C. McGrew. I reside and work in Cambridge, England. I was awarded a D.Phil. in Psychology from the University of Oxford in 1970, a Ph.D. from in Social Anthropology from the University of Stirling (Scotland) in 1990, and a Ph.D in Biological Anthropology from the University of Cambridge in 2009.

2. I submit this affidavit in support of Petitioners The Nonhuman Rights Project, Inc. ("NhRP"), on behalf of Kiko, for a writ of habeas corpus. I am a non-party to this proceeding.

3. I am currently Emeritus Professor of Evolutionary Primatology in the Division of Biological Anthropology, Department of Archaeology and Anthropology, University of Cambridge. Since 1972 I have taught the following courses (in reverse chronological order): Cultural Primatology, Apes as Models for Human Evolution, Primate Socio-Ecology at the University of Cambridge; Behavioral Ecology and Conservation Biology, Human Evolutionary Ecology, Mammalogy, Origins of Human Material Culture, and Socio-Ecology of Primates at Miami University (Ohio), Socio-Ecology of Primates at Earlham College (Indiana), Animal Behaviour, Behavioral Primatology, and Developmental Psychology at University of Stirling.

4. I was elected a Fellow of the Royal Society of Edinburgh in 2003 and the American Association for the Advancement of Science in 2005. I am a recipient of the Howells Prize (American Anthropological Association), Prix Delwart (Royal Academy of Sciences, Belgium), and Osman Hill Medal (Primate Society of Great Britain). I have held visiting appointments at the University of California-Berkeley, University of New Mexico, University of North Carolina-Charlotte, Tulane University, as well as the Collegium Budapest (Hungary), College de France (Paris), and Hanse-Wissenschaftskolleg (Delmenhorst, Germany).

5. I have served on the IUCN-SSC Primate Specialist Group, Africa and Great Apes since 2004 and on the Scientific Board, International Primate Protection League since 1977. I served on the Board of Directors of Chimp Haven, Inc. from 1999-2005 and the Council and Executive Committee of the Royal Zoological Society of Scotland in 1975. I have served on the editorial boards of the following scientific journals: *American Journal of Primatology* (1991 - 1999), *Folia Primatologica* (1989 -2009), the *International Journal of Primatology* (1995 - 2000) and *Primates* (1985 - present).



6. My specialization is in the great apes, and especially the study of the behaviour and ecology of chimpanzees. I have done field research on chimpanzees and bonobos from 1972-2012, in six African countries. These studies have spanned the species' range from West Africa (Senegal and Guinea) to Central Africa (Gabon and Congo-Kinshasa) to East Africa (Tanzania and Uganda). I have collected data on wild chimpanzees at more research sites than any other scientist. I have done behavioural research on captive chimpanzees in laboratories, sanctuaries, wildlife parks, and zoological gardens.

7. I have written or co-edited 10 books, seven of which are relevant here, including: *Chimpanzee Material Culture* (1992, Cambridge University Press); *Topics in Primatology. Vol.1. Human Origins* (1992, University of Tokyo Press); *Chimpanzee Cultures* (1994, Harvard University Press); *Great Ape Societies* (1996, Cambridge University Press); *The Cultured Chimpanzee* (2004, Cambridge University Press), *Chimpanzee Behavior in the Wild* (2010, Springer); *The Evolution of Human Handedness* (2013, Wiley). Some have been translated into such languages as Italian, Japanese, and Slovenian.

8. I have published 162 articles and book chapters on the behaviour, ecology, welfare, or conservation of monkeys and apes, including 101 peer-reviewed articles in the world's most-cited scientific journals: *Nature*, *Science*, *Proceedings of the National Academy of Sciences USA*, *Proceedings of the Royal Society*, *Philosophical Transactions of the Royal Society*, *Evolutionary Anthropology*, *American Journal of Physical Anthropology*, *Animal Behaviour*, *Animal Cognition*, *Current Anthropology*, *Current Biology*, *Trends in Cognitive Science*, as well as more specialised academic periodicals, 44 chapters in edited book volumes, and the rest in the popular press. These publications have covered 15 species of non-human primates, from common marmoset to chimpanzee and gorilla. Specific topics of these publications include: culture, tool-use, diet, sexual

behaviour, sex differences, birth, predation, parasites, social organisation, ranging, kinship, parental behaviour, environmental enrichment, rehabilitation, food-sharing, mating systems, handedness, seasonality, genetics, bipedality, activity budgets, skeletal structure, psychopathology, vegetation ecology, archaeology, alcohol ingestion, and insectivory.

9. I regularly give invited lectures and take part in international symposia in primatology. Over the last 40 years, such speaking engagements have averaged about 4 per year. This does not count many more research talks given at universities or at regional, national or international conferences. These lectures and symposia have taken place in: Austria, Belgium, Canada, England, France, Germany, Guinea, Indonesia, Italy, Japan, Mexico, Portugal, Romania, Russia, Scotland, Singapore, South Africa, Spain, Switzerland, and USA. My Curriculum Vitae fully sets forth my educational background and experience and is annexed hereto as "Exhibit A".

#### **Basis for Opinions**

10. The opinions I state in this Affidavit are based on my professional knowledge, education, training, and 40 years of research and field work with chimpanzees, as well as my knowledge of peer-reviewed literature about primatology published in the world's most respected journals, periodicals and books that are generally accepted as authoritative in the field of primatology, many of which were written by myself and colleagues with whom I have worked for many years and with whose research and field work I am personally familiar. A full reference list of peer-reviewed literature cited herein is annexed hereto as "Exhibit B".

#### **Opinions**

11. The chimpanzee (and its sister species, the bonobo) is more closely related to human beings than it is to the other African ape, the gorilla. Of all living organisms, these apes are

the ones with whom we last shared a common ancestor. Thus, the chimpanzee is humankind's closest living relative, and vice versa (Goodman, 1999).

12. Chimpanzees resemble human beings in physiological and anatomical ways. Their blood is interchangeable with human blood, such that a transfusion from a human being could save a chimpanzee's life (or vice versa), so long as the blood groups are properly matched (Segurel et al., 2012).

13. The volume of the brain of the chimpanzee is of comparable size to that of the most recent (but extinct) member of the human evolutionary lineage, *Homo floresiensis* ("The Hobbit") of Indonesia, which lived until as recently as 18,000 years ago (Brown et al., 2004).

14. Chimpanzees' performance on *intelligence* tests is equivalent to that of preschool-aged (3&4 years-old) children, especially in physical intelligence, i.e. object manipulation (Matsuzawa et al., 2006).

15. One of the most important indicators of intelligence in species, including chimpanzees, is the capacity for tool-making and use. Tool-making may imply complex problem-solving skills and an understanding of means-ends relations and causation, as it requires making choices, often in a specific sequence, towards a predefined goal, which is a key aspect of intentional action. Chimpanzees demonstrate intelligent tool-making and use in both nature and captivity, many examples of which are described in the following paragraphs. In nature they make and use tools of vegetation and stone in daily life for hunting, gathering, fighting, play, communication, courtship, hygiene and socializing (McGrew, 1992; 2010, 2013). Tool-making and use is a chimpanzee species universal, found in all populations studied over the long-term.

16. Chimpanzees make and use complex tools that require them to utilize two or more objects towards a single goal. An example is using one stone as a hammer and another as an anvil

for cracking hard nuts (Carvalho et al., 2009). Chimpanzees also make compound tools, in which two or more components are combined as a single working unit. Examples include the leaf sponge in which several fresh leaves are compressed into a single absorbent mass that allows water to be extracted from tree holes (Sousa et al., 2009), and, the wedge stone, in which chimpanzees insert a stone under an anvil to level its working surface to increase its efficiency (Matsuzawa, 1991). Composite tool use such as this is virtually unknown in other nonhuman species and reflects the fact that chimpanzees have the mental capacity to combine components of their environment in appropriate ways to attain a desired outcome. These capacities also involve making adjustments to existing circumstances in order to attain a goal and demonstrating that chimpanzees desire certain outcomes over others and work to achieve them.

17. Chimpanzees also use “tool sets,” which involve using two or more tools in an obligate sequence to achieve a single goal. For example, they have been known to use a set of five objects – pounder, perforator, enlarger, collector, and swab – to obtain honey (Boesch et al., 2009). This kind of sophisticated tool-use involves choosing the appropriate objects in a complex hierarchical sequence in order to obtain a goal which is kept in mind throughout the process. This kind of sequencing and mental representation is a hallmark of intentionality and self-regulation. And, chimpanzees have taken tool-making and use a step further into a realm previously thought to be unique to humans, that is, culture.

18. Culture is behavior that is learned socially (learned by watching others), is normative (represents something most individuals do), and collective (characteristic of a group or community) (McGrew, 2004). In other words, culture is a set of behaviors that is transmitted by social and observational learning (learning by watching others), which becomes characteristic of a certain group or population. Culture is a hallmark of human intelligence and is based on several

high-level cognitive capacities, including imitation (the direct mimicking of bodily actions), emulation (learning about the results of someone else's actions, then achieving those results in another way) and innovation (producing novel ways to do things and combining known elements in new ways) all of which chimpanzees share (see below).

19. Decades of observational field research in various locations in Africa have produced an overwhelming amount of evidence that wild chimpanzees possess different cultural traditions which they pass on from one generation to the next. These chimpanzee traditions meet the same criteria used to identify human culture. There are three general cultural domains found in humans and chimpanzees: 1) material culture, which is defined as the use of one or more physical objects as a means to achieve an end, 2) social culture, which is defined as behaviors that allow individuals to develop and benefit from social living, and 3) symbolic culture, which is defined as special communicative gestures and vocalizations which are only arbitrarily, i.e., symbolically, associated with certain intentions and behaviors (Whiten, 2011; McGrew, 2004).

20. With respect to the tool-making and using aspect of material culture, while all wild chimpanzees make and use tools, each chimpanzee group makes and uses a unique combination of tools known as a "tool kit." (McGrew, 1992, 2010; McGrew, Tutin and Baldwin, 1979). A chimpanzee tool kit is a unique set of about 20 different tools which are used for various functions in daily life. These include tools used for foraging and processing food, such as specialized sticks to open up termite mounds, stems used as probes in ant nests, sticks to get marrow out of the bones of dead animals, stone "hammer and anvil" to crack nuts, among a wide variety of others. Tools are also made and used for personal comfort and hygiene, including using leaves to clean the body, using certain stems to comb through hair, using sticks to clear the nasal passages and using a leafy twig to fan away flies, among many others. Tools also include those used for nest building (for

sleeping) which involve specialized ways of bending branches and sticks to make a comfortable and secure sleeping nest in the trees. These tool kits vary from group to group, are passed down by observing others performing the tasks and are found in a wide range of ecological locations, from savanna to rainforest. Tool-making is not genetically determined or fixed, that is, it is not “hard-wired” behavior or simple reflex. Rather, tool-making depends on the same mental abilities that underlie human culture – learning from others and making specific decisions about how to do things. Each chimpanzee group develops its own culture through its own behavioural choices. (McGrew, 1991, 2004; 2007; McGrew and Tutin, 1978; Schoening et al., 2008; Whiten, 2011 Whiten et al., 1999). The documented patterns of variation across chimpanzee groups are unique in the nonhuman animal world. Decades of field work show that there are at least 40 unique chimpanzee cultures spread across Africa. These cultures are made up of combinations of over 65 different identifiable behaviors. In addition to those already mentioned, these also include the ingestion of various plant materials for their medicinal properties as anti-bacterial agents and dewormers (Huffman et al., 1997).

21. Many of the tools in chimpanzee tool kits are not preserved in the archaeological record because they are made of organic materials that decompose over time, such as leaves, stems, bark, etc.. However, such chimpanzee stone tools as hammer and anvils are preserved in the archaeological record in the same way as are human stone tools. Therefore, chimpanzee stone artefacts have been compared with early human stone artefacts in terms of what they reveal about their comparative mental abilities. The foraging tool kits of some chimpanzee populations, such as in western Tanzania, are indistinguishable in complexity from the tools kits of some of the simplest material cultures of humans, such as Tasmanian aborigines (McGrew, 1987), and of the oldest known human artefacts, such as those of the Oldowan Industry discovered in East Africa

(Wynn and McGrew, 1998; Wynn et al. 2011). Dated chimpanzee stone artefacts that have been excavated from sites in West Africa show that there was once a chimpanzee “Stone Age” (just as there was a Stone Age for humans) that dates to at least 4,300 years ago (Mercader et al., 2002, 2007). The ages of the tools suggest that, in at least one population chimpanzee tool-making culture has been passed down for 225 generations (Boesch, 2012). These findings demonstrate that chimpanzee culture has very deep roots that predate the onset of settled farming villages and the invention of Iron Age technology in that part of Africa.

22. With respect to social culture, there are many social displays and social customs that chimpanzees pass down from one generation to the next (McGrew et al. 2001; Whiten et al. 1999). Examples include the famous “waterfall display” originally reported by Jane Goodall (1986) At a waterfall in the Gombe National Park, Tanzania, she observed male chimpanzees approach the waterfall and display in slow, rhythmic motion along the riverbed. For ten minutes or more, they pick up and throw rocks and branches, leap to seize hanging vines, and swing over the stream in the wind. Goodall refers to these purposeful displays as likely expressions of feelings of awe in the chimpanzees towards the waterfall. Another example is the social “rain dance”, which is a slow and deliberate pattern of rhythmic, bipedal locomotion at the start of rain performed mostly at the beginning of rainy season (Goodall, 1967). Another well-documented social custom is the grooming hand-clasp in which two chimpanzees clasp each other’s hands, raise those arms in the air, and groom each other with their free hand. This social custom was first observed in the Mahale Mountains of Tanzania (McGrew and Tutin, 1978) and occurs, with some variation, in certain locations and is completely absent in others (Nakamura and Uehara, 2004). This demonstrates the wide variability in social cultural expression across different chimpanzee groups.

23. The symbolic element that is key to human culture, is also found in wild chimpanzees. For instance, in one chimpanzee group arbitrary symbolic gestures are used to communicate desire to have sex whereas in another group an entirely different symbolic gesture is used to express the same sentiment (McGrew, 2011). The presence of symbolic culture in chimpanzees demonstrates that abstract concepts can be present without human language.

24. Comparisons between human and chimpanzee cultures demonstrate that the similarities are underwritten by a common set of mental abilities. The most important are imitation and emulation. Learning by observation is key to being able to imitate or emulate. Studies show that chimpanzees copy methods used by others to manipulate objects and use both direct imitation and emulation, depending on the circumstance (Horner and Whiten, 2005; Whiten et al., 2009). True imitation, which involves copying bodily actions, is an important hallmark of self-awareness because it suggests the individual has a sense of his own body and how it corresponds to someone else's body and that he can manipulate his body in accordance with the other's actions. There is ample evidence that, under the right circumstances, chimpanzees mimic the actions of others precisely, even mimicking the correct sequence of actions to achieve a goal (Buttleman et al., 2007; Whiten et al., 1996; Whiten et al., 2009). For instance, chimpanzees can imitate the actions of humans, or other chimpanzees, as well as the exact sequence of three actions in order to open up an "artificial fruit" to get a treat (Whiten et al., 1996). Chimpanzees may directly imitate someone else's way to achieve a goal when they have not yet figured out their own way to achieve the same goal. But, when chimpanzees already have the skills to complete a task they tend to emulate, not imitate (Horner and Whiten, 2005). These findings show that chimpanzees make choices about whether to directly copy someone else's actions based on whether they think they can figure out how to do the task themselves. Not only do chimpanzees imitate, but they know



when they are being imitated, and respond as young human toddlers do when they realize they are being imitated (Nielsen et al., 2005; Haun and Call, 2008). When imitated, both chimpanzees and young human children tend to “test out” the behavior of the imitator by making repetitive actions and looking to see if the imitator does the same. This behavior is similar to how chimpanzees and toddlers test whether an image in a mirror is herself. This action, called “contingency checking,” is another hallmark of self-awareness. In addition to being aware of being imitated and being able to imitate others, chimpanzees are capable of “deferred imitation,” that is, copying actions they’ve seen in the past (Bering et al., 2000; Bjorklund et al., 2000; Marshall-Pescini and Whiten, 2008). Deferred imitation relies upon even more sophisticated capacities than direct imitation because the chimpanzees must remember the past action of another while replicating those actions in real time.

25. Finally, all of these capacities for imitation and emulation are necessary for “cumulative cultural evolution.” This specific kind of cultural capacity, which is found in humans and chimpanzees, involves the ability to build upon the customs that came before (Nagel et al., 1993; Hirata and Mirimara, 2000; Myowa-Yamakoshi and Matsuzawa, 2000; Yamamoto, Humle and Tanaka, 2013). Moreover, chimpanzees, like humans, have a tendency to be social conformists (Whiten, Horner and de Waal, 2005), which allows them to maintain customs within groups. All of the evidence so far suggests a striking similarity between the mental capacities of humans and chimpanzees in the areas of observational learning, imitation (and thus self-awareness), decision-making, memory and innovation.

26. Chimpanzees appear to have moral inclinations and some level of moral agency, that is, they behave in ways that, if we saw the same thing in humans, we would interpret as a reflection of moral imperatives and self-consciousness. They ostracise individuals who violate social norms (Goodall, 1986). They respond negatively to inequitable situations, e.g. when offered

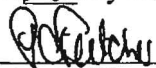
lower rewards than companions receiving higher ones, for the same task (Brosnan et al., 2005). When given a chance to play economic games (e.g. Ultimatum Game), they spontaneously make fair offers, even when not obliged to do so (Brosnan, 2013; Horner et al., 2011; Proctor et al., 2013; von Rohr, 2012).

27. Chimpanzee social life in nature is cooperative. They engage in collaborative social hunting, in which different individual hunters adopt different roles that increase the chances of success of the hunt. After the hunt, they share the meat from the prey gained (Boesch, 2012). Males cooperate in territorial defense, when they engage in risky boundary patrolling. Encounters with neighbouring males may be fatal, so that such cooperation may have life-or-death consequences (Mitani et al., 2010). These types of behaviors represent a purposeful and well-coordinated social system.

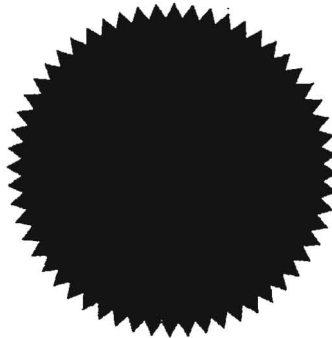


William C. McGrew

Sworn to before me  
this 21<sup>st</sup> day of November, 2013

  
\_\_\_\_\_  
Notary Public

**PETER C. FLETCHER**  
*Notary Public*  
27 Pretoria Road  
Cambridge CB4 1HD  
My commission is for life



**Exhibit: A. to Affidavit of William C. McGrew sworn to November 21, 2013  
Curriculum Vitae**

This is "Exhibit A"  
related to the Affidavit of  
William C McGrew  
Petitioner Notary Public  
2/11/13

*Curriculum vitae:* **WILLIAM CLEMENT MCGREW**

(March 2012)

Work Addresses: Department of Archaeology and Anthropology  
University of Cambridge  
Fitzwilliam St  
Cambridge CB2 1QH, U.K.  
Email: wcm21@cam.ac.uk

Corpus Christi College  
Trumpington St  
Cambridge CB2 1RH

**Education**

- 2009 Ph.D. in Biological Anthropology, University of Cambridge, England
- 1990 Ph.D. in Social Anthropology, University of Stirling, Stirling, Scotland  
Thesis: *Chimpanzee Material Culture: Implications for Human Evolution*
- 1970 D.Phil. in Psychology, University of Oxford, Oxford, England  
Thesis: *An Ethological Study of Social Behaviour in Preschool Children*
- 1965 B.S. (with Special Distinction) in Zoology, University of Oklahoma, Norman, USA

**Awards and Honours**

- 2012 Senior Fellow, McDonald Institute for Archaeological Research, Cambridge
- 2010 Distinguished Alumni Award, College of Arts and Sciences, University of Oklahoma
- 2008 Osman Hill Medal, Primate Society of Great Britain
- 2005 Fellow, American Association for the Advancement of Science
- 2003 Corresponding Fellow, Royal Society of Edinburgh, Scotland
- 1998 Prix Delwart, for Human Ethology and Cultural Anthropology, Fondation Jean-Marie Delwart and Royal Academy of Sciences of Belgium (\$10,000)
- 1996 W.W. Howells Book Prize in Biological Anthropology, American Anthropological Association
- 1995 Outstanding Research Award, Center for Research into the Anthropological Foundations of Technology, and Leighton A. Wilkie Memorial Lecture, Indiana University

### **Professional Training and Employment**

- 2010  
(Jul) Visiting Fellow, Hanse-Wissenschafts Kolleg, Delmenhurst, Germany
- 2009- Professor of Evolutionary Primatology, University of Cambridge
- 2005-09 Lecturer in Biological Anthropology, University of Cambridge
- 2008 Fellow, Corpus Christi College, Cambridge
- 2003  
(Oct-Dec) Fellow, Collegium Budapest, Hungary
- 2003  
(Jan-Jun) Visiting Bye Fellow, Selwyn College, and Visiting Research Fellow, Leverhulme Centre for Human Evolutionary Studies, University of Cambridge
- 2001  
(Jul-Aug) Russell Trust Senior Research Fellow, School of Psychology, University of St. Andrews, Scotland
- 2001  
(Jun) Visiting Professor, Ecole des Hautes Etudes en Sciences Sociales, College de France, Paris
- 1994-2005 Professor, Depts. of Anthropology and Zoology  
Miami University
- 1994  
(autumn) Visiting Professor, Dept. of Anthropology  
University of California, Berkeley
- 1993-94 Wiepking Distinguished Professor, Depts. of Sociology & Anthropology, Psychology,  
and Zoology, Miami University, Oxford, Ohio
- 1993  
(spring) Visiting Faculty Member, Dept. of Biology  
Earlham College, Richmond, Indiana
- 1989-92 Reader in Psychology, University of Stirling
- 1986  
(autumn) Visiting Faculty Member, Depts. of Anthropology and Biology  
University of New Mexico, Albuquerque
- 1982 Nuffield Foundation Social Science Research Fellow
- 1981-89 Senior Lecturer in Psychology, University of Stirling
- 1980  
(autumn) Visiting Faculty Member, Dept. of Psychology  
University of North Carolina at Charlotte
- 1974-81 Lecturer in Psychology, University of Stirling, Scotland
- 1972-73 Research Associate, Dept. of Psychiatry and Behavioral Sciences  
Stanford University, and Gombe Stream Research Centre, Kigoma, Tanzania
- 1972 Visiting Investigator, Delta Regional Primate Research Center  
Tulane University, Louisiana

- 1971 (summer) Participant in Wenner-Gren Foundation Field School in Primatology  
Caribbean Primate Research Center, Cayo Santiago, Puerto Rico
- 1970-71 SSRC Postdoctoral Research Associate, Dept. of Psychology  
University of Edinburgh, Scotland
- 1969-70 National Institutes of Mental Health Postdoctoral Fellow  
Dept. of Psychology, University of Edinburgh
- 1968-69 Population Council Fellow, Dept. of Psychology, University of Edinburgh
- 1965-68 Rhodes Scholar, University of Oxford, Inst. of Experimental Psychology (66-68); Dept. of  
Zoology (65-66)

#### Research Grants

- 2011 Emeritus Fellowship, "Chimpanzee Behaviour and Modeling Human Evolutionary Origins"  
Leverhulme Trust, £22,000
- 2005 "Sex Differences in Faunivory of Wild Bonobos at Salonga," Leakey Foundation, \$14,500  
(with L.F. Marchant)
- 2003-08 Revealing Hominid Origins Initiative," National Science Foundation, HOMINID program,  
\$48,000 (sub-contract, PI: F. Clark Howell & T.D. White, Univ. California-Berkeley)
- 2000 "Savanna Chimpanzee Behavior and Ecology at Mont Assirik, Senegal," National  
Geographic Society, \$7000 (with J.D. Pruettz)
- 2000 "Savanna Chimpanzee Density and Distribution at Mont Assirik, Senegal," Primate  
Conservation, Inc., \$2500 (with J.D. Pruettz)
- 1999 "Sex Differences in Faunivory in Wild Chimpanzees at Mont Assirik, Senegal," L.S.B.  
Leakey Foundation, \$13,000 (with L.F. Marchant)
- 1999 "Behavioral Ecology of Wild Chimpanzees at Mont Assirik, Senegal", Philip and Elaina  
Hampton Fund, Miami University, \$6000 (with L.F. Marchant)
- 1996 "Behavior of Wild Chimpanzees in Tanzania: Handedness, Prehension and Object  
Manipulation", Philip & Elaina Hampton Fund, Miami University, \$5961 (with L.F.  
Marchant)
- 1995 "Comparative Research on Chimpanzees and Bonobos", Max-Planck-Gesellschaft,  
D.M. 5000 (with L.F. Marchant)
- 1995 "Great Ape Societies", Publication grant, Wenner-Gren Foundation for Anthropological  
Research, \$10,000 (with L.F. Marchant, T. Nishida).
- 1994 "Laterality of Function in Human and Nonhuman Primates", Max-Planck-Gesellschaft,  
D.M. 7000 (with L.F. Marchant)
- 1993 "Laterality of Function in Traditional Human Societies", Max-Planck-Gesellschaft,  
D.M. 12,000 (with L.F. Marchant)

- 1992 "Laterality of Limb Function in Wild Chimpanzees, Gombe, Tanzania", L.S.B. Leakey Foundation, \$7500 (with L.F. Marchant)
- 1981 "Cross-Cultural Study of Tool-use by Wild Chimpanzees", Science and Engineering Research Council, £11,859.
- 1979 "Ecology and Ethology of Four Sympatric Primate Species in Senegal, West African (Final Stage)", Science Research Council, £13,462.  
 "Chimpanzees in Senegal Using Tools to Obtain Termites", Leakey Foundation, \$1462.
- 1978 "Ecology and Ethology of Four Sympatric Primate Species in Senegal, West Africa (Supplement)", Science Research Council, £13,650.
- 1977 "Ecology and Ethology of Four Sympatric Primate Species in Senegal, West Africa", Science Research Council, £15,644.
- 1976 "Ecology and Behavior of Chimpanzees, West Africa", Wenner-Gren Foundation for Anthropological Research, \$1000.  
 "Ecology and Behavior of Wild Chimpanzees in Senegal, West Africa", Science Research Council, £4164.
- 1975 "Field Study of Wild Chimpanzees in Senegal", Carnegie Trust for the Universities of Scotland, £2000.  
 "Behavior and Ecology of Wild Chimpanzees in Senegal", Leakey Foundation, \$2000.

Plus 23 smaller grants totaling ca. \$16,000 awarded from 1974-2011 by American Philosophical Society, Boise Trust, British Council, Carnegie Trust for the Universities of Scotland, L.S.B. Leakey Trust, Royal Anthropological Institute, Royal Society, Royal Zoological Society of Scotland, University of Stirling, University of Cambridge.

### Teaching

Semester courses taught (all or in part) at Earlham College (E) or at Universities of California (C), Cambridge (Cb), Stirling (S), New Mexico (NM), North Carolina at Charlotte (NC), or Miami University (M):

Apes & Human Evolution		Cb
Animal Behaviour		S
Avian & Mammalian Social Systems	(Graduate)	NM
Behavioral Ecology & Conservation Biology	(Graduate)	M
Behavioral Primatology		C, S
Cultural Primatology		Cb
Developmental Psychology		NC, S
Evolution of Human Behaviour	(Capstone)	M, S, NC
Evolutionary Medicine	(Graduate)	M
Heredity, Environment, & Human Society		M
The Human Animal	(Capstone, Honors Seminar)	M

Human Evolutionary Ecology	(Graduate)	M
Introductory Psychology		S
Foundations of Biological Anthropology		M
Mammalogy		M
Origins of Human Material Culture	(Graduate)	C, NM
Primate Behavior & Human Evolution	(Honors Seminar)	S, Cb
Socio-Ecology of Primates		M, E, Cb
Senior Seminar in Anthropology	(Capstone)	M

External examination of Ph.D.'s at the Universities of Birmingham, Reading, St. Andrews, Sheffield, Stirling, London (Birkbeck, UCL, Goldsmiths); M.Phil. (CNA) Birmingham Polytechnic; and M.Sc. at St. Andrews.

1992 Award from University of Stirling Teaching Fund: £1072 to develop new program of teaching practicals in Animal Behaviour.

#### Graduate Student Primary Supervision

- Baldwin, P.J. Ph.D. 1979 The natural history of the chimpanzee (*Pan troglodytes verus*) at Mt. Assirik, Senegal.
- Niemeyer, C.L. M.Sc. 1980 Interference in mating in the stumptailed macaque (*Macaca arctoides*).
- Harrison, M.J.S. Ph.D. 1982 The behavioural ecology of green monkeys, *Cercopithecus sabaesus*, at Mt. Assirik, Senegal.
- Chamove, A.S. Ph.D. 1982 Development of aggressiveness in macaques.
- Feistner, A.T.C. M.Sc. 1985 Food sharing in the cotton-top tamarin, *Saguinus oedipus oedipus*.
- Williamson, E.A. Ph.D. 1988 Behavioural ecology of the lowland gorilla (*Gorilla g. gorilla*) in Gabon.
- Brereton, A.R. Ph.D. 1988 Sexual interference in stumptail macaques (*Macaca arctoides*): Is it return-benefit spite?
- Hannah, A.C. Ph.D. 1989 Behavioural rehabilitation of laboratory chimpanzees in Liberia.
- Price, E.C. Ph.D. 1990 Cooperative breeding in captive families of the cotton-top tamarin.
- Moore, K. M.Sc. 1993 Dispersal and philopatry in captive cotton-top tamarins.

- Oberski, I. Grooming relations in captive chimpanzees, Edinburgh Zoo.  
Ph.D. 1993
- Newing, H. Behavioural ecology of duikers (*Cephalophus* spp.) in forest and farm bush,  
Ph.D. 1994 Tai, Cote d'Ivoire.
- Ham, R. Behaviour and ecology of grey-cheeked mangabeys (*Cercocebus albigena*) in the  
Ph.D. 1994 Lope Reserve, Gabon.
- Hardie, S.M. Polyspecific associations of tamarins (*Callitrichidae*).  
Ph.D. 1995
- Henry, M. Competition for resources between *Homo sapiens* and *Pan paniscus* in the Lomako  
M.Sc. 1998 Forest of Zaire.
- Videan, E.N. Bipedality in bonobo (*Pan paniscus*) and chimpanzee (*Pan troglodytes*):  
M.Sc. 2000 Implications for the origins of bipedalism in hominids.
- Videan, E.N. Chimpanzee nest-building and sleep: A model for the evolutionary origins of shelter.  
Ph.D. 2005
- Persad-Clem, R. Adaptation of captive chimpanzees to free-ranging in a natural temperate environment.  
Ph.D. 2009
- Smaers, J. Comparative socioecology of primate brain component evolution.  
M. Phil. 2006
- Koops, K. Elementary technology of foraging and shelter in the chimpanzees of the Nimba  
Ph.D. 2011 mountains, Guinea.
- Phillips, C. Chimpanzee diet: Analyses at macroscopic, microscopic and molecular level.  
Ph.D. 2012
- Stewart, F. The evolution of shelter: Ecology and ethology of chimpanzee nest-building.  
Ph.D. 2011
- Carvalho, S. Evolutionary origins of technological behaviour: A primate archaeology approach to  
Ph.D. student chimpanzees
- Bertolani, P. GIS-based study of chimpanzee ranging  
Ph.D. student

**Professional Societies (Offices Held)**

American Association for the Advancement of Science	
Electorate Nominating Committee, Anthropology	2001-2004
Chimp Haven, Board of Directors	1999-2005
International Primate Protection League, Scientific Advisory Board	1977-



International Society for Human Ethology, Board of Trustees	1978-1982, 2005-
Primate Specialist Group-Africa	1985-
IUCN-SSC Primate Special Group, Sub. Comm. on Great Apes	2004-
Primate Society of Great Britain, Council	1985-1988
Working Party on Conservation	1979-1983
Royal Anthropological Institute, Council	1990-1992
Committee on Biological & Social Anthropology	1988-1991
Royal Zoological Society of Scotland, Council	1974-1978; 1990-1992
Executive Committee	1975
Animal Health and Management Committee	1974-1981

### **Editorial Boards**

<i>American Journal of Primatology</i> , Consulting Editor	1991-1999
<i>Carnivore</i>	1978-1983
<i>Ethology and Sociobiology</i> , European Editor	1984-1992
Editorial Board	1994-1996
<i>Folia Primatologica</i>	1989-2009
<i>Human Ethology Newsletter</i> , Reviews Co-Editor	1982-1986
<i>Human Evolution</i>	1994-
<i>Human Nature</i>	1990-1996
<i>International Journal of Primatology</i>	1995-2000
<i>Journal of Human Evolution</i> , Assoc. Editor	1983, 1992-1995
<i>Man</i>	1987-1992
<i>Pan Africa News</i>	1997-
<i>Primates</i>	1985-

### **Reviewing of Grant Applications/Book Proposals/Manuscripts (cumulative)**

Review Panel, Individual Research Grants, Wenner-Gren Foundation for Anthropological Research, 2004-2005  
 Alexander von Humboldt Foundation, Association for the Study of Animal Behaviour, Bonobo Protection Fund, Cambridge University Press, Canada Council, H.F. Guggenheim Foundation, Harvard University Press, Japan Society for the Promotion of Science, L.S.B. Leakey Foundation, Leverhulme Trust, Charles & Anna Morrow Lindbergh Foundation, National Geographic Society, National Science Foundation (Anth., Psychobiol.), Primate Conservation Inc., Princeton University Press, Royal Anthropological Institute, School of American Research Press, Science & Engineering Research Council, W.H. Freeman, Wenner-Gren Foundation for Anthropological Research

### **Reviewing of Journal Manuscripts (cumulative)**

*African Journal of Ecology, American Journal of Primatology, American Journal of Physical Anthropology, American Naturalist, Animal Behaviour, Animal Welfare, Annals of Tropical Medicine & Hygiene, Behavioral and Brain Sciences, Behaviour, Biology Letters, Cambridge Archaeological Journal, Carnivore, Current Anthropology, Developmental Psychobiology, Ecology*

*and Evolution, Ecotvopica, Ethology and Sociobiology, Ethology, Evolutionary Anthropology, Folia Primatologica, Geographica, Human Evolution, Human Nature, Intl Journal of Behavioral Development, Intl Journal of Primatology, Journal of Archaeological Science, Journal of Comparative Psychology, Journal of Human Evolution, Journal of Linnean Society of London, Journal of Royal Anthropological Institute, Laterality, Man, Nature, Oryx, Pan Africa News, Primates, Proceedings of the National Academy of Sciences USA, Proceedings of the Royal Society of London B, Quarterly Journal of Experimental Psychology, Science, Yearbook of Physical Anthropology, Zoo Biology.*

#### **Invited Lectures to National or International Meetings**

- 2011 "Triangulating on Technology: Three Routes to Percussive Lithics in Primates", podium presentation, Fourth Congress of European Federation for Primatology, Lisbon, PORTUGAL.
- 2011 "Unnatural Behaviour: Obstacle or Insight at the Species Interface?", roundtable, 'Humans and Other Apes: Rethinking the Species Interface', New York, NY.
- 2011 Memories of Gombe over Three Decades", symposium, 'An Oral History of Primatology at Cambridge', Personal Histories Project, Cambridge.
- 2011 "Chimpanzees and the Last Common Ancestor", Invited public lecture, Institute of Human Origins, Arizona State Univ., Tempe, AZ.
- 2010 "Fifty Years of Chimpanzee Tool Use: What's Left to Know?", lect., University of Oklahoma, USA
- 2009 "The First 4 Million Years of Human Evolution", Royal Society, discussion meeting, London
- 2009 "150 Anos derpres de Darwin: Evolution futuro o crisis?", CENIEH, Symp, Burgos, Spain
- 2009 "The Dawn of Language, Imagination, and Spirituality", Templeton Foundation, symp., Cape Town, South Africa
- 2008 W.C. Osman Hill Lecture, Primate Society of Great Britain, London, U.K.
- 2008 "Origins of Percussive Technology", Leverhulme Centre for Human Evolutionary Studies, symp., Cambridge, U.K.
- 2008 "Fest Conference for W. Schiefenhoevel", Max-Planck-Gesellschaft, symp., Andechs, Germany
- 2008 "Human and Non-Human Ethology", symp., Russian Academy of Sciences, Novosibirsk, Russia
- 2007 Belgian Group for Primatology, keynote lecture, Antwerp, Belgium
- 2007 7<sup>th</sup> Kongress der Gesellschaft fur Anthropologie, plenary lecture, Freiburg, Germany
- 2007 "The Mind of the Chimpanzee," Understanding Chimpanzees IV, symp., Chicago, USA
- 2007 James Drever Lecture, School of Psychology, University of Edinburgh, Scotland
- 2006 "Anthropology at UCL," symp., University College London
- 2006 "Transcultural Universals," symp., Wissenschaftskolleg, Delmenhorst, Germany
- 2006 "Bossou 30 Ans," symp. Conakry, Republic of Guinea
- 2006 Journal of Anthropological Research Annual Lecture, Albuquerque, USA
- 2005 "Nature, Language, Culture: Learning from Animals?" symp., Essen, Germany
- 2005 "Chimpanzee Cultures," Origins of Humans, San Diego, USA
- 2005 "Chimpanzee Material Culture," Chacmool Conf., symp. Calgary, Canada
- 2004 "African Great Apes: Evolution, Diversity & Conservation", symp., Kyoto University, Japan
- 2003 "Konrad Lorenz Symposium," Ludwig-Maxmillians-Universität, Munich, Germany
- 2003 "Konrad Lorenz Symposium 2," Bucharest, Romania
- 2003 "International Primatological Conference," Lisbon, Portugal
- 2002 "Evolution, Behaviour, Society," Human Ethology Summer School, Pushchino, Russia
- 2002 "Production and Reproduction," Southern California Primate Research Forum, Los Angeles, USA
- 2001 "Culture in Marine Mammals," Biennial Marine Mammals Conference, Vancouver, Canada
- 2001 "Fluid Bread: Images and Usages of Beer in Crosscultural Perspective," symp., International Commission for the Anthropology of Food, Seewiesen, Germany

- 2001 "Evolutionary Neighbors," symp., 4th International SAGA Forum, Okayama, Japan
- 2000 "The Social Brain: Evolution and Pathology", symp., Max-Planck Inst. Beh. Physiol., Bochum, Germany
- 2000 "Animal Social Complexity and Intelligence", symp., Chicago Acad. of Sci, Chicago, USA
- 2000 "Human Universals", symp., Hanse Wissenschaftskolleg, Andechs, Germany
- 2000 "Chimpanzee Cultures", exhibition, New Frontiers in Science 2000, Royal Society and Royal Society of Edinburgh, London and Edinburgh, UK
- 2000 "Behavioral Diversity in Chimpanzees and Bonobos", symp., Max-Planck Inst. Evolutionary Anthropol., Secon, Germany
- 1999 "Evolution and Culture", symp., Fondation Fyssen, St. Germaine, France
- 1999 "Anthropology at the End of the Century", symp., Wenner-Gren Foundation, Cabo San Lucas, Mexico
- 1999 "Origins", symp., Living Links Center for Advanced Study of Human and Ape Evolution, Atlanta, USA
- 1999 "Primate Cultures", symp., Southern California Primate Research Forum, Los Angeles, USA
- 1998 "The Early Human Diet: The Role of Meat", symp., Wenner-Gren Foundation, Madison, USA
- 1998 "Hominid and Non-Hominid Primate Behaviour and Lifestyles", symp., Dual Congress of Int. Assn. Study of Human Palaeontology and Int. Assn. of Human Biologists, Sun City, South Africa
- 1998 "Evolving the Human Mind", symp., Hang Seng Centre for Cognitive Studies, Sheffield, UK
- 1998 "Primateology and Human Nature", roundtable, Dialogue between Science and Religion, Amer. Assn. Advancement Sci., Washington, USA
- 1997 "Human Evolution", symp., Cold Spring Harbor Laboratory, New York, USA
- 1997 "Exploring the Primate Mind", symp., National Zoological Park, Smithsonian Institution, Washington USA
- 1995 "Chimpanzee Behavioral Diversity", plenary lecture, Midwest Animal Behavior Conference, Oxford, USA
- 1994 "The Great Apes Revisited", symp., Wenner-Gren Foundation, Cabo San Lucas, Mexico
- 1994 "Anthropologie Heute", symp., Gesellschaft für Anthropologie, Potsdam, Germany
- 1992 "Ethological Roots of Culture", NATO Advanced Study Inst., Cortona, Italy
- 1991 "Great Apes of the World", symp., Orangutan Foundation International, Jakarta, Indonesia
- 1991 "Food and the Status Quest", symp., European Commission on the Anthropology of Food, Ringberg, Germany
- 1991 "Foraging Strategies and Natural Diet of Monkeys, Apes, and Humans", symp., Royal Society Discussion Meeting, London, UK
- 1991 "Understanding Chimpanzees II", symp., Chicago Acad. of Sci., symp., Chicago, USA
- 1990 "Tools, Language, and Intelligence: Evolutionary Implications", symp., Wenner-Gren Foundation, Cascais, Portugal
- 1988 "Tool-Use by Primates", symp., Fondation Fyssen, Versailles, France
- 1987 "Comparative Socioecology of Mammals and Man", symp., Brit. Ecological Society and Royal Anthropol. Inst., Durham, UK
- 1986 "The Pleistocene Perspective", symp., World Archaeology Congress, Southampton, UK
- 1986 "Understanding Chimpanzees", symp., Chicago Acad. of Sci., Chicago, USA
- 1986 "Fourth International Conference on Hunting and Gathering Societies", symp., London, UK
- 1985 "Primates", symp., British Social Biology Council, London, UK
- 1984 "The Sharing of Food", symp., Werner Reimers Stiftung, Bad Homburg, Germany
- 1980 "Nonhuman Primates in Biomedical Programs", symp., Humane Society of U.S.A., San Francisco, USA
- 1974 "The Great Apes", symp., Wenner-Gren Foundation, Burg Wartenstein, Austria
- 1972 "The Growth of Competence", Ciba Foundation, London, UK

### Colloquia Given at Universities and Other Places (\* = Multiple)

\* Aberdeen, Alberta, \* Andechs (Max-Planck), \* Arizona State, Armstrong Atlantic, Basel, Bristol, Bucknell, Budapest, Buffalo, \* California-Berkeley, California-Davis, California-Los Angeles, \*California-San Diego, \* Cal State-Fullerton, \* Cambridge, Case-Western, Centenary, \* Centre College, Charleston, Chester, Chicago Zool. Soc., Cincinnati, Colorado-Boulder, Colorado-Colorado Springs, Colorado-Denver, \* Duke, Dundee, \* Durham, \* Earlham, \* Edinburgh, Emory, Georgia, George Washington University, Glasgow, \* Göttingen, Illinois, \* Indiana, \* Jersey Zoo, \*John Carroll University, Kent, Kent State, Leipzig, \*Liverpool, Manchester, \* Miami (Ohio), Michigan, \* Milano, Minnesota, Munich, \* New Mexico, New York University, North Carolina-Charlotte, Ohio State University, \* Oklahoma, \* Oxford, Oxford Brookes, Pisa, Potsdam, Roma, \* St. Andrews, South Carolina-Beaufort, Stanford, Southern California, \* Stirling, Tennessee, \* University College London, Utica, \* Wisconsin, Wright State, \* Zürich

### Conference Organization

- 2012 "Insectivory", symposium, American Association of Physical Anthropologists, Portland, Oregon  
2011 "Lateral Thinking: The Evolution of Human Handedness", workshop, HWK, Delmenhorst, Germany  
2007 "Palaeoanthropology Meets Primatology," symposium, LCHES, University of Cambridge  
2005 "Primatology Meets Palaeoanthropology," workshop, Miami University, Oxford, Ohio  
1996 "Cebus Meets Pan," Symposium of International Primatological Society, Madison (with E. Visalberghi)  
1996 "Nesting and Resting in Primates", Symposium of International Primatological Society, Madison (with B. Fruth)  
1994 "The Great Apes Revisited", Wenner-Gren Foundation for Anthropological Research, Cabo San Lucas, Mexico (with T. Nishida)  
1992 "Scottish Conference on Animal Behaviour", Stirling  
1990 "Origins of Monogamy", Symposium of International Primatological Society, Kyoto  
1989 "Behavioural Ecology of Neotropical Primates", Meeting of Tropical Ecology Group, British Ecological Society, London  
"Weekend Workshop on Callitrichid Behavior", Scottish Primate Research Group, Stirling  
1988 "Tools Compared: The Material of Culture", Conference of Royal Anthropological Institute, London  
1985 "Scottish Conference on Animal Behaviour", Stirling  
1982 "Gorilla Ecology", Workshop of International Primatological Society, Atlanta  
1981 "Scottish Conference on Animal Behaviour", Stirling  
1980 "Primate Tool-Use", Satellite Symposium of International Primatological Society, Florence

### Books

- 1972 McGrew, W.C. *An Ethological Study of Children's Behavior*. New York: Academic Press, 268 pp.

Published in The Child Psychology Series. Had positive reviews in *Nature*, *Science*, *Contemporary Psychology*, etc. Translated into Italian and Japanese.

- 1992 Nishida, T., McGrew, W.C., Marker, P., Pickford, M. & de Waal, F.B.M. (eds.) *Topics in*

*Primate, Volume 1. Human Origins.* Tokyo: University of Tokyo Press, 475 pp.

- 1992 McGrew, W.C. *Chimpanzee Material Culture: Implications for Human Evolution.* Cambridge University Press, 277 pp.

Won the 1996 W.W. Howells Prize of the American Anthropological Association, for the best book of the year in biological anthropology. Had positive reviews in *Nature*, *Science*, *Scientific American*, *New Scientist*, *American Scientist*, as well as in popular press, e.g. *Economist*, *Times Higher*, and disciplinary journals, e.g. *Contemporary Psychology*, *Cambridge Archaeological Journal*. In its fourth printing, and translated into Japanese.

- 1994 Wrangham, R.W., McGrew, W.C., de Waal, F.B.M. & Heltne, P.G. (eds.) *Chimpanzee Cultures.* Cambridge, MA: Harvard University Press, 424 pp.

This edited volume received positive reviews in *Science*, *New Scientist*, *Science News*, *Ethology*, *Times Higher*, *Los Angeles Times*, etc. Went into paperback a year after publication.

- 1996 McGrew, W.C., Marchant, L.F. & Nishida, T. (eds.) *Great Ape Societies*, Cambridge: Cambridge University Press, 328 pp.

This edited volume received positive reviews in both general (*Nature*, *American Scientist*) and specialist (*American Zoologist*, *Evolutionary Anthropology*, *Man*) scientific journals, as well as the popular press (*BBC Wildlife*, *Times Higher*). In its third printing.

- 2004 McGrew, W.C. *The Cultured Chimpanzee: Reflections on Cultural Primatology*, Cambridge University Press, 248 pp.

Positive reviews in *Nature*, *American Scientist*, *Primates*, *American Anthropologist*, etc.

- 2010 Nishida, T., Zamma, K., Matsusaka, T., Inaba, A. & McGrew, W.C. *Chimpanzee Behavior in the Wild: A Visual Encyclopedia.* Springer Verlag, 255 pp.

#### **Journal Articles & Book Chapters** (refereed journal articles in bold)

1. 1969 McGrew, W.C. An ethological study of agonistic behaviour in preschool children.  
In: *Proceedings of the Second International Congress of Primatology, Volume 1, Behavior*, Carpenter, C.R. (ed), Basel: Karger, pp. 149-159.
2. 1970 McGrew, W.C. Glossary of motor patterns of four-year-old children.  
In: *Direct Observation and Measurement of Behavior*, Hutt, S.J. & C., Springfield, IL: Charles C. Thomas, pp. 210-218.
3. 1971 McGrew, W.C. & McGrew, P.L. Group formation in preschool children.  
In: *Proceedings of the Third International Congress of Primatology, Volume 3, Behavior*, Kummer, H. (ed), Basel: Karger, pp. 71-78.
4. Hudson, P.T., McGrew, W.C. & McGrew, P.L. Attention structure in a group of preschool infants.  
In: *Proceedings of the CIE Architectural Psychology Conference*, Kingston-on-Thames: RIBA & Kingston Polytechnic, pp. 12-16.
5. 1972 McGrew, W.C. Aspects of social development in nursery school children, with emphasis on

- introduction to the group.  
 In: *Ethological Studies of Child Behaviour*, Blurton Jones, N.G. (ed.),  
 London: Cambridge University Press, pp. 129-156.
6. McGrew, P.L. & McGrew, W.C. Changes in children's spacing behaviour with nursery school experience. *Human Development*, 15: 359-372.
  7. McGrew, W.C. & Tutin, C.E.G. Chimpanzee dentistry. *Journal of the American Dental Association*, 85: 1198-1204.
  8. 1973 McGrew, W.C. & Tutin, C.E.G. Chimpanzee tool use in dental grooming. *Nature*, 241: 477-478.
  9. Tutin, C.E.G. & McGrew, W.C. Chimpanzee copulatory behaviour. *Folia Primatologica*, 19: 237-256.
  10. Tutin, C.E.G. & McGrew, W.C. Sexual behavior of group-living adolescent chimpanzees. *American Journal of Physical Anthropology*, 38: 195-200.
  11. McGrew, W.C. & McGrew, P.L. McGrew-McGrew system.  
 In: *Measures of Maturation: An Anthology of Early Childhood Observation Instruments, Volume 2*, Boyer, E., Simon, A. & Karaffin, G. (eds.), Philadelphia: Research for Better Schools, Inc., pp. 1313-1365.
  12. 1974 McGrew, W.C. Interpersonal spacing of preschool children.  
 In: *The Growth of Competence*, Connolly, K.J. & Bruner, J.S. (eds.),  
 London: Academic Press, pp. 265-281.
  13. McGrew, W.C. Tool use by wild chimpanzees in feeding upon driver ants. *Journal of Human Evolution*, 3: 501-508.
  14. 1975 McGrew, W.C. Patterns of plant food sharing in wild chimpanzees.  
 In: *Contemporary Primatology*, Kondo, S. & Ehara, A. (eds.),  
 Basel: S. Karger, pp. 304-309.
  15. McGrew, W.C. & McGrew, P.L. Interpersonal spacing behavior of preschool children during group formation. *Man-Environment Systems*, 5: 43-48.
  16. McGrew, W.C., Tutin, C.E.G. & Midgett, P.S. Tool use in a group of captive chimpanzees. I: Escape. *Zeitschrift für Tierpsychologie*, 37: 146-162.
  17. 1976 File, S.K., McGrew, W.C. & Tutin, C.E.G. The intestinal parasites of a community of feral chimpanzees, *Pan troglodytes schweinfurthii*. *Journal of Parasitology*, 62: 259-261.
  18. 1977 McGrew, W.C. Socialization and object manipulation of wild chimpanzees.  
 In: *Primate Bio-Social Development*, Chevalier-Skolnikoff, S. & Poirier, F.E. (eds.),  
 New York: Garland, pp. 261-288.
  19. 1978 McGrew, W.C. & Tutin, C.E.G. Evidence for a social custom in wild chimpanzees? *Man*, 13: 234-251.
  20. McGrew, W.C., Tutin, C.E.G., Baldwin, P.J., Sharman, M.J., & Whiten, A.  
 Primates preying upon vertebrates: New records from West Africa (*Pan troglodytes verus*, *Papio papio*, *Cercopithecus sabaesus*). *Carnivore*, 1: 41-45.
  21. 1979 McGrew, W.C. Evolutionary implications of sex differences in chimpanzee predation and tool use.  
 In: *The Great Apes*, Hamburg, D.A. & McCown, E.R. (eds.), Menlo Park:  
 Benjamin/Staples, pp. 441-463.
  22. McGrew, W.C., Tutin, C.E.G., Baldwin, P.J. New data on meat-eating by wild chimpanzees. *Current Anthropology*, 20: 238-239.
  23. McGrew, W.C., Tutin, C.E.G., Baldwin, P.J. Chimpanzees, tools and termites: Cross-cultural comparisons of Senegal, Tanzania and Rio Muni. *Man*, 14: 185-214.
  24. 1980 Rushton, E. & McGrew, W.C. Breech birth of a chimpanzee (*Pan troglodytes*).



- Journal of Medical Primatology*, 9: 389-393.
25. Graham, C.A. & McGrew, W.C. Menstrual synchrony in female under-graduates living on a coeducational campus. *Psychoneuroendocrinology*, 5: 245-252.
  26. 1981 McGrew, W.C. The female chimpanzee as an evolutionary prototype.  
In: *Woman the Gatherer*, Dahlberg, F. (ed.),  
New Haven: Yale University Press, pp. 35-73.
  27. McGrew, W.C., Baldwin, P.J. & Tutin, C.E.G. Chimpanzees in a hot, dry and open habitat: Mt. Assirik, Senegal, West Africa. *Journal of Human Evolution*, 10: 227-244.
  28. McGrew, W.C. Social and cognitive capabilities of non-human primates: Lessons from the field to captivity. *International Journal for the Study of Animal Problems*, 2: 138-149.
  29. Tutin, C.E.G., McGrew, W.C. & Baldwin, P.J. Responses of wild chimpanzees to potential predators.  
In: *Primate Behavior and Sociobiology*, Chiarelli, A.B. & Corruccini, R.S. (eds.),  
Heidelberg: Springer-Verlag, pp. 136-141.
  30. Baldwin, P.J., Sabater Pi, J., McGrew, W.C. & Tutin, C.E.G. Comparison of nests made by different populations of chimpanzees (*Pan troglodytes*). *Primates*, 22: 474-486.
  31. 1982 McGrew, W.C., Baldwin, P.J. & Tutin, C.E.G. Observations preliminaires sur les chimpanzées (*Pan troglodytes verus*) du Park National du Niolola-Koba.  
*Memoires de l'Institut Fondamental d'Afrique Noire*, 92: 333-340.
  32. Baldwin, P.J., McGrew, W.C. & Tutin, C.E.G. Wide ranging chimpanzees at Mt. Assirik, Senegal. *International Journal of Primatology*, 3: 367-383.
  33. McBeath, N.M. & McGrew, W.C. Tools used by wild chimpanzees to obtain termites at Mt. Assirik, Senegal: The influence of habitat. *Journal of Human Evolution*, 11: 65-72.
  34. Spencer, F., Boaz, N.T., Allen, M. & McGrew, W.C. Biochemical detection of fecal hematin as a test for meat-eating in chimpanzees (*Pan troglodytes*). *American Journal of Primatology*, 3: 327-332.
  35. McGrew, W.C. Recent advances in the study of tool use by non-human primates.  
In: *Advanced Views in Primate Biology*, Chiarelli, A.B. & Corruccini, R.S. (eds.),  
Heidelberg: Springer-Verlag, pp. 177-183.
  36. McGrew, W.C., Sharman, M.J., Baldwin, P.J. & Tutin, C.E.G. On early hominid plant-food niches. *Current Anthropology*, 23: 213-214.
  37. 1983 McGrew, W.C. Animal foods in the diets of wild chimpanzees: Why cross-cultural variation? *Journal of Ethology*, 1: 46-61.
  38. Tutin, C.E.G., McGrew, W.C. & Baldwin, P.J. Social organization of savanna-dwelling chimpanzees, *Pan troglodytes verus*, at Mt. Assirik, Senegal. *Primates*, 24: 154-173.
  39. McGrew, W.C. & Rogers, M.E. Chimpanzees, tools and termites: New records from Gabon. *American Journal of Primatology*, 5: 171-174.
  40. 1984 Anderson, J.R. & McGrew, W.C. Guinea baboons (*Papio papio*) at a sleeping site.  
*American Journal of Primatology*, 6: 1-14.
  41. McGrew, W.C. & Phtiaka, H. A simple and direct method of assessing social dominance in young children. *Human Ethology Newsletter*, 4 (2): 2-4.
  42. McGrew, W.C. & McLuckie, E.C. Do monkeys prefer to give birth at week-ends?  
*Laboratory Primate Newsletter*, 23 (4): 1-4.
  43. 1985 MacKenzie, M.M., McGrew, W.C. & Chamove, A.S. Social preferences in stump-tailed macaques (*Macaca arctoides*): Effects of kinship, rearing and companionship.  
*Developmental Psychobiology*, 18: 115-123.
  44. McGrew, W.C. & Collins, D.A. Tool-use by wild chimpanzees (*Pan troglodytes*) to obtain

- termites (*Macrotermes herus*) in the Mahale Mountains, Tanzania. *American Journal of Primatology*, 9: 47-62.
45. Collins, D.A. & McGrew, W.C. Chimpanzees' (*Pan troglodytes*) choice of prey among termites (Macrotermitinae) in western Tanzania. *Primates*, 26: 375-389.
  46. McGrew, W.C. The chimpanzee and the oil palm: Patterns of culture? *Social Biology and Human Affairs*, 50: 31-46.
  47. 1986 McGrew, W.C. & McLuckie, E.C. Philopatry and dispersion in the cotton-top tamarin, *Saguinus (o.) oedipus*: An attempted laboratory simulation. *International Journal of Primatology*, 7: 399-420.
  48. McGrew, W.C., Brennan, J. & Russell, J. An artificial "gum-tree" for marmosets (*Callithrix j. jacchus*). *Zoo Biology*, 5: 45-50.
  49. 1987 Hannah, A.C. & McGrew, W.C. Chimpanzees using stones to crack open palm nuts in Liberia. *Primates*, 28: 31-46.
  50. McGrew, W.C. Tools to get food: The subsistants of Tasmanian aborigines and Tanzanian chimpanzees compared. *Journal of Anthropological Research*, 43: 247-258.
  51. McGrew, W.C. Helpers at the nest-box, or, Are cotton-top tamarins really Florida scrub jays? *Primate Report*, 18: 21-26.
  52. Collins, D.A. & McGrew, W.C. Termite fauna related to differences in tool-use between groups of chimpanzees (*Pan troglodytes*). *Primates*, 28: 457-471.
  53. 1988 McGrew, W.C. Parental division of infant caretaking varies with family composition in cotton-top tamarins. *Animal Behaviour*, 36: 285-286.
  54. Collins, D.A. & McGrew, W.C. Habitats of three groups of chimpanzees (*Pan troglodytes*) in western Tanzania compared. *Journal of Human Evolution*, 17: 553-574.
  55. McGrew, W.C., Baldwin, P.J. & Tutin, C.E.G. Diet of wild chimpanzees (*Pan troglodytes verus*) at Mt. Assirik, Senegal: I. Composition. *American Journal of Primatology*, 16: 213-226.
  56. Ron, T. & McGrew, W.C. Ecological assessment for a chimpanzee rehabilitation project in northern Zambia. *Primate Conservation*, 9: 37-41.
  57. 1989 McGrew, W.C. Why is ape tool-use so confusing?  
In: *Comparative Socioecology. The Behavioural Ecology of Humans and Other Mammals*, Standen, V. & Foley, R.A. (eds.) Oxford: Blackwell, pp. 457-472.
  58. McGrew, W.C., Tutin, C.E.G., Collins, D.A. & File, S.K. Intestinal parasites of sympatric *Pan troglodytes* and *Papio* spp. at two sites: Gombe (Tanzania) and Mt. Assirik (Senegal). *American Journal of Primatology*, 17: 147-155.
  59. McGrew, W.C., Tutin, C.E.G. & File, S.K. Intestinal parasites of two species of free-living monkeys in far western Africa, *Cercopithecus (aethiops) sabaesus* and *Erythrocebus patas patas*. *African Journal of Ecology*, 27: 261-262.
  60. Halloren, E., Price, E.C. & McGrew, W.C. Technique for non-invasive marking of infant primates. *Laboratory Primate Newsletter*, 28(3): 13-15.
  61. Feistner, A.T.C. & McGrew, W.C. Food-sharing in non-human primates: A critical review.  
In: *Perspectives in Primate Biology, Volume 3*, Seth, P.K. & Seth, S. (eds.), New Delhi: Today and Tomorrow's Press, pp. 21-36.
  62. McGrew, W.C. Recent research on chimpanzees in West Africa.  
In: *Understanding Chimpanzees*, Heltne, P.G. & Marquardt, L.A. (eds.), Cambridge, Mass.: Harvard University Press, pp. 128-132.
  63. Wynn, T.G. & McGrew, W.C. An ape's view of the Oldowan. *Man*, 24: 383-398.
  64. 1990 Brewer, S.M. & McGrew, W.C. Chimpanzee use of a tool-set to get honey.  
*Folia Primatologica*, 54: 100-104.



65. Price, E.C. & McGrew, W.C. Cotton-top tamarins (*Saguinus (o.) oedipus*) in a semi-naturalistic captive colony. *American Journal of Primatology*, 20: 1-12.
66. 1991 Hannah, A.C. & McGrew, W.C. Rehabilitation of captive chimpanzees. In: *Primate Responses to Environmental Change*, Box H.O. (ed.), London: Chapman and Hall, pp. 167-186.
67. McGrew, W.C. Chimpanzee material culture: What are its limits and why? In: *The Origins of Human Behaviour*, Foley, R.A. (ed.), London: Unwin Hyman, pp. 13-24.
68. Moore, K., Cleland, J. & McGrew, W.C. Visual encounters between families of cotton-top tamarins, *Saguinus oedipus*. *Primates*, 32: 23-33.
69. Price, E.C. & McGrew, W.C. Departures from monogamy: Survey and synthesis from colonies of cotton-top tamarins. *Folia Primatologica*, 57: 16-27.
70. Tutin, C.E.G., Fernandez, M., Rogers, M.E., Williamson, E.A. & McGrew, W.C. Foraging profiles of sympatric lowland gorillas and chimpanzees in the Lope Reserve, Gabon. *Philosophical Transactions of the Royal Society, B*, 334: 179-187.
71. Marchant, L.F. & McGrew, W.C. Laterality of function in apes: A meta-analysis of methods. *Journal of Human Evolution*, 21: 425-438.
72. 1992 McGrew, W.C. & Marchant, L.F. Chimpanzees, tools and termites: Hand preference or handedness? *Current Anthropology*, 33: 114-119.
73. Graham, C.A. & McGrew, W.C. Social aspects of menstrual synchrony in a population of nurses. In: *Menstrual Health in Women's Lives*, Dan, A.J. & Lewis, L.L. (eds.), Urbana: University of Illinois Press, pp. 246-253.
74. McGrew, W.C. & Feistner, A.T.C. Two nonhuman primate models for the evolution of human food-sharing: Chimpanzees and callitrichids. In: *The Adapted Mind*, Barkow, J.H., Cosmides, L. & Tooby, J. (eds.), Oxford: Oxford University Press, pp. 229-243.
75. McGrew, W.C. Tool-use by free-ranging chimpanzees: The extent of diversity. *Journal of Zoology*, 226: 689-694.
76. McGrew, W.C. & Webster, J. Why not bigamy? In: *Topics in Primatology. Vol. 1. Human Origins*, Nishida, T., McGrew, W.C., Marler, P., Pickford, M. & de Waal, F.B.M. (eds.), Tokyo: Tokyo University Press, pp. 3-7.
77. 1993 McGrew, W.C. Brains, hands, and minds: Puzzling incongruities in ape tool use. In: *The Use of Tools by Human and Non-human Primates*, Berthelet, A. & Chevaillon, J. (eds.), Oxford: Oxford University Press, pp. 143-153.
78. McGrew, W.C. The intelligent use of tools: Twenty propositions. In: *Tools, Language and Cognition in Human Evolution*, Gibson, K.R. & Ingold, T. (eds.), Cambridge: Cambridge University Press, pp. 151-170.
79. McGrew, W.C. & Marchant, L.F. Are gorillas right-handed or not? *Human Evolution*, 8: 17-23.
80. 1994 Diamond, A.C. & McGrew, W.C. True handedness in the cotton-top tamarin (*Saguinus oedipus*)? *Primates*, 35: 69-77.
81. Greenlees, I.A. & McGrew, W.C. Sex and age differences in preferences and tactics of mate attraction: An analysis of published advertisements. *Ethology and Sociobiology*, 15: 59-72.
82. McGrew, W.C. Cultural implications of differences among populations of free-ranging chimpanzees in Africa. In: *The Ethological Roots of Culture*, Gardner, R.A., Chiarelli, A.B., Gardner, B.T. & Plooi, F.X. (eds.), Kluwer Academic Publishers, pp. 61-79.

83. Marchant, L.F. & McGrew, W.C. An ethological perspective on human handedness.  
In: *The Ethological Roots of Culture*, Gardner, R.A. et al. (eds.), Kluwer Academic Publishers, pp. 375-384.
84. McGrew, W.C. Tools compared: The materials of culture.  
In: *Chimpanzee Cultures*, Wrangham, R., McGrew, W.C., de Waal, F. & Heltne, P.G. (eds.), Cambridge, Mass.: Harvard University Press, pp. 25-39.
85. Wrangham, R.W., de Waal, F.B.M., & McGrew, W.C. The challenge of behavioral diversity.  
In: *Chimpanzee Cultures*, Wrangham, R., McGrew, W.C., de Waal, F. & Heltne, P.G. (eds.), Cambridge, Mass.: Harvard University Press, pp. 1-18.
86. McGrew, W.C. Overview—diversity in social relations.  
In: *Chimpanzee Cultures*, Wrangham, R., McGrew, W.C., de Waal, F. & Heltne, P.G. (eds.), Cambridge, Mass.: Harvard University Press, pp. 151-154.
87. McGrew, W.C. & Marchant, L.F. Primate ethology: A perspective on human and nonhuman handedness.  
In: *Handbook of Psychological Anthropology*, Bock, P.K. (ed.), Westport, CT: Greenwood Press, pp. 171-184.
88. 1995 McClain, A.M. & McGrew, W.C. Jane Goodall and the chimpanzees of Gombe: An analysis of publications and their impact on teaching science. *Human Evolution*, 10: 177-184.
89. McGrew, W.C. & Webster, J. Birth seasonality in cotton-top tamarins (*Saguinus oedipus*) despite constant food supply and body weight. *Primates*, 36: 241-248.
90. Marchant, L.F., McGrew, W.C. & Eibl-Eibesfeldt, I. Is human handedness universal? Ethological analyses from three traditional cultures. *Ethology*, 101: 239-258.
91. 1996 McGrew, W.C. Dominance status, food sharing, and reproductive success in chimpanzees.  
In: *Food and the Status Quest*, Wiessner, P. & Schiefelhövel, W. (eds.), Oxford: Berghahn, pp. 39-45.
92. Marchant, L.F. & McGrew, W.C. Laterality of limb function in wild chimpanzees of Gombe Stream National Park: Comprehensive study of spontaneous activities. *Journal of Human Evolution*, 30: 427-443.
93. McGrew, W.C. & Marchant, L.F. On which side of the apes? Ethological study of laterality in hand-use.  
In: *Great Ape Societies*, McGrew, W.C., Marchant, L.F. & Nishida, T. (eds.), Cambridge: Cambridge University Press, pp. 255-272.
94. 1997 McGrew, W.C. Sex differences in the family life of cotton-top tamarins: Socio-ecological validity in the laboratory?  
In: *New World Primates: Ecology, Evolution and Behavior*, Kinzey, W.G. (ed.), New York: Aldine de Gruyter, pp. 95-107.
95. McGrew, W.C., Ham, R.M., White, L.T.J., Tutin, C.E.G. & Fernandez, M. Why don't chimpanzees in Gabon crack nuts? *International Journal of Primatology*, 18: 353-374.
96. McGrew, W.C. & Marchant, L.F. Using the tools at hand: Manual laterality and elementary technology in *Cebus* spp. and *Pan* spp. *International Journal of Primatology*, 18: 787-810.
97. Visalberghi, E. & McGrew, W.C. *Cebus* meets *Pan*. *International Journal of Primatology*, 18: 677-681.
98. Mittra, E.S., Fuentes, A. & McGrew, W.C. Lack of hand preference in wild Hanuman langurs (*Presbytis entellus*). *American Journal of Physical Anthropology*, 103: 455-461.

99. McGrew, W.C. & Marchant, L.F. On the other hand: Current issues in and meta-analysis of the behavioral laterality of hand function in nonhuman primates. *Yearbook of Physical Anthropology*, 40: 201-232.
100. 1998 McGrew, W.C. Culture in nonhuman primates? *Annual Review of Anthropology*, 27: 301-328.
101. Fruth, B. & McGrew, W.C. Resting and nesting in primates: Behavioral ecology of inactivity. *American Journal of Primatology*, 46: 3-5.
102. McGrew, W.C. & Marchant, L.F. Chimpanzee wears a knotted skin "necklace". *Pan Africa News*, 5: 8-9.
103. Hemphill, J. & McGrew, W.C. Environmental enrichment thwarted: Food accessibility and activity levels in captive western lowland gorillas (*Gorilla gorilla gorilla*). *Der Zoologische Garten*, 68: 381-394.
104. Rigamonti, M.M., Prato Previde, E., Poli, M.D., Marchant, L.F., & McGrew, W.C. Methodology of motor skill and laterality: New test of hand preference in *Macaca nemestrina*. *Cortex*, 34: 693-705.
105. McGrew, W.C. Behavioral diversity in populations of free-ranging chimpanzees in Africa: Is it culture? *Human Evolution*, 13: 209-220.
106. Marchant, L.F. & McGrew, W.C. Human handedness: An ethological perspective. *Human Evolution*, 13: 221-228.
107. 1999 McGrew, W.C., Marchant, L.F., Wrangham, R.W. & Klein, H. Manual laterality in anvil use: Wild chimpanzees cracking *Strychnos* fruits. *Laterality*, 4: 79-87.
108. Fruth, B., Hohmann, G. & McGrew, W.C. The *Pan* species. In: *The Nonhuman Primates*, Dolhinow, P. & Fuentes, A. (eds.). Mayfield, pp. 64-72.
109. McGrew, W.C. & Marchant, L.F. Laterality of hand use pays off in foraging success for wild chimpanzees. *Primates*, 40: 509-513.
110. Whiten, A., Goodall, J., McGrew, W.C., Nishida, T., Reynolds, V., Sugiyama, Y., Tutin, C.E.G., Wrangham, R.W. & Boesch, C. Cultures in chimpanzees. *Nature*, 399: 682-685.
111. Marchant, L.F. & McGrew, W.C. Innovative behavior at Mahale: New data on nasal probe and nipple press. *Pan Africa News*, 6: 16-18.
112. Nishida, T., Kano, T., Goodall, J., McGrew, W.C. & Nakamura, M. Ethogram and ethnography of Mahale chimpanzees. *Anthropological Science*, 107: 141-168.
113. 2000 Nakamura, M., McGrew, W.C., Marchant, L.F. & Nishida, T. Social scratch: Another custom in wild chimpanzees? *Primates*, 41: 237-248.
114. O'Malley, R.C. & McGrew, W.C. Oral tool use by captive orangutans (*Pongo pygmaeus*). *Folia Primatologica*, 71: 334-341.
115. Marchant, L.F., Ensminger, A., Pruetz, J.D. & McGrew, W.C. Highly successful non-invasive collection of DNA from wild chimpanzees. *Pan Africa News*, 7(2): 20-21.
116. Weghorst, J.A. & McGrew, W.C. Up where they belong? Habitat use and activity budget in two captive groups of western lowland gorilla (*Gorilla gorilla gorilla*). *Der Zoologische Garten*, 70: 273-284.
117. 2001 McGrew, W.C. The other faunivory: Primate insectivory and early human diet. In: *Meat-Eating and Human Evolution*, Stanford, C.B. & Bunn, H.T. (eds.), Oxford: Oxford University Press, pp. 160-178.
118. McGrew, W.C., Marchant, L.F., Scott, S.E. & Tutin, C.E.G. Intergroup differences in a social custom of wild chimpanzees: The grooming hand-clasp of the Mahale Mountains, Tanzania. *Current Anthropology*, 42:148-153.
119. McGrew, W.C. The nature of culture, or, the prospects and pitfalls of cultural primatology.

- In: *Tree of Origin*, de Waal, F.B.M. (ed.), Cambridge, MA: Harvard University Press, pp. 231-254.
120. McGrew, W.C. & Marchant, L.F. Ethological study of manual laterality in the chimpanzees of the Mahale Mountains, Tanzania. *Behaviour*, 138: 329-358.
  121. Videan, E.N. & McGrew, W.C. Are bonobos (*Pan paniscus*) really more bipedal than chimpanzees (*Pan troglodytes*)? *American Journal of Primatology*, 54: 233-239.
  122. Pruett, J.D.E. & McGrew, W.C. What does a chimpanzee need? Using natural behavior to guide the care of captive populations.  
In: *The Care and Management of Captive Chimpanzees*, Brent, L. (ed.) American Society of Primatologists, pp. 16-37.
  123. Whiten, A., Goodall, J., McGrew, W.C., Nishida, T., Reynolds, V., Sugiyama, Y., Tutin, C.E.G., Wrangham, R.W. & Boesch, C. Charting cultural variation in chimpanzees. *Behaviour*, 138: 1481-1516.
  124. McGrew, W.C. & Marchant, L.F. Cultural ethology of non-human primates?  
In: *Irenaeus Eibl-Eibesfeldt: Zu Person und Werk*, Sütterlin, C. & Salter, F.K. (eds.). Wien: Peter Lang Verlag, pp. 239-244.
  125. 2002 Videan, E.N. & McGrew, W.C. Body weight and bipedality in captive chimpanzees (*Pan troglodytes*). *Laboratory Primate Newsletter*, 41(2): 1-3.
  126. Videan, E.N. & McGrew, W.C. Bipedality in chimpanzee (*Pan troglodytes*) and bonobo (*Pan troglodytes*): Testing hypotheses on the evolution of bipedality. *American Journal of Physical Anthropology*, 118: 184-190.
  127. Pruett, J.D., Marchant, L.F., Arno, J. & McGrew, W.C. Survey of savanna chimpanzees (*Pan troglodytes verus*) in southeastern Senegal. *American Journal of Primatology*, 58: 35-43.
  128. Hunt, K.D. & McGrew, W.C. Chimpanzees in the dry habitats at Assirik, Senegal, and at Semliki Wildlife Reserve, Uganda.  
In: *Behavioural Diversity in Chimpanzees and Bonobos*, Boesch, C., Hohmann, G. & Marchant, L.F. (eds.) Cambridge: Cambridge University Press, pp. 35-51.
  129. Mbona, D.N.M. & McGrew, W.C. Extra-group sexual consortship in the Tana River red colobus (*Procolobus rufomitratus*)? *Folia Primatologica*, 73: 210-213.
  130. 2003 McGrew, W.C. Ten dispatches from the chimpanzee culture wars.  
In: *Animal Social Complexity: Intelligence, Culture, and Individualized Societies*, de Waal, F.B.M. & Tyack, P.L. (eds.), Cambridge, MA: Harvard University Press, pp. 419-439.
  131. McGrew, W.C. Evolution of the cultural mind: Lessons from wild chimpanzees.  
In: *The Social Brain: Evolution and Pathology*, Brüne, M., Ribbert, H. & Schiefelhövel, W. (eds.) Wiley, pp. 81-92.
  132. McGrew, W.C., McKee, J.K. & Tutin, C.E.G. Primates in caves: Two new reports of *Papio* spp. *Journal of Human Evolution*, 44: 521-526.
  133. McGrew, W.C., Baldwin, P.J., Marchant, L.F., Pruett, J.D., Scott, S.E. & Tutin, C.E.G. Ethoarchaeology and elementary technology of unhabituated chimpanzees at Assirik, Senegal, West Africa. *PaleoAnthropology*, 1: 1-20.
  134. 2004 Carter, J., Ndiaye, S., Pruett, J. & McGrew, W.C. Senegal.  
In: *West African Chimpanzees*, Kormos, R., Boesch, C., Bakarr, M.I. & Butynski, T. (eds.), IUCN – The World Conservation Union, pp. 31-39.
  135. McGrew, W.C., Ensminger, A.L., Marchant, L.F., Pruett, J.D. & Vigilant, L. Genotyping aids field study of unhabituated wild chimpanzees. *American Journal of Primatology*, 63: 87-93.

136. Byrne, R.W., Barnard, P.J., Davidson, I., Janik, V.M., McGrew, W.C., Miklosi, A. & Wiessner, P. Understanding culture across species. *Trends in Cognitive Science*, 8: 341-346.
137. Lodwick, J.L., Borries, C., Pusey, A.E., Goodall, J. & McGrew, W.C. From nest to nest – influence of ecology and reproduction on the active period of adult Gombe chimpanzees. *American Journal of Primatology*, 64: 249-260.
138. Ramsey, J.K. & McGrew, W.C. Object play in great apes: studies in nature and captivity. In: *The Nature of Play: Great Apes and Humans*, Pellegrini, A.D. & Smith, P.K. (eds.), New York: Guilford, pp. 89-112.
139. McGrew, W.C. Primatology: advanced ape technology. *Current Biology*, 14: R1046-1047.
140. 2005 Sarringhaus, L.A., McGrew, W.C., & Marchant, L.F. Misuse of anecdotes in primatology: lessons from citation analysis. *American Journal of Primatology*, 65: 283-288.
141. McGrew, W.C., Pruett, J.D. & Fulton, S.J. Chimpanzees use tools to harvest social insects at Fongoli, Senegal. *Folia Primatologica*, 76: 222-226.
142. Sarringhaus, L.A., Stock, J.T., Marchant, L.F. & McGrew, W.C. Bilateral asymmetry in the limb bones of the chimpanzee (*Pan troglodytes*). *American Journal of Physical Anthropology*, 128: 840-845.
143. Marchant, L.F. & McGrew, W.C. Percussive technology: chimpanzee baobab smashing and the evolutionary modeling of hominid knapping. In: *Stone Knapping: The Necessary Conditions for a Uniquely Hominid Behaviour*, Roux, V. & Bril, B. (eds.), Cambridge: McDonald Institute Monograph Series, pp. 339-348.
144. Davidson, I & McGrew, W.C. Stone tools and the uniqueness of human culture. *Journal of the Royal Anthropological Institute*, 11: 793-817.
145. McGrew, W.C. [Behind Lorenz's mirror: the ethology of culture as a bridge to the social sciences.] In: [*What Can We Learn from the Geese?*], Strungaru, C. & Schubert, R. (eds.), Iasi: Polirom, pp. 81-92. [in Romanian]
146. McGrew, W.C. How the chimpanzee stole culture, or lessons learned from labours in cultural primatology. In: *Learning from Animals?*, Roeska-Hardy, L.S. & Neumann-Held, E. (eds.), Psychology Press, pp. 189-197.
147. 2006 Mitani, J.C., McGrew, W.C. & Wrangham, R.W. Toshisada Nishida's contributions to primatology. *Primates*, 27: 2-5.
148. O'Malley, R.C. & McGrew, W.C. Hand preferences in captive orangutans (*Pongo pygmaeus*). *Primates*, 47:279-283.
149. Fruth, B.I., Hohmann, G., Beuerlein, M.M. & McGrew, W.C. Grooming hand clasp by bonobos of Lui Kotal, Democratic Republic of Congo. *Pan Africa News*, 13(1): 6-8.
150. Brüne, M., Brüne-Cohrs, U., McGrew, W.C., Preuschoft, S. Psycho-pathology in great apes: Concepts, treatment options, and possible homologies to human psychiatric disorders. *Neuroscience and Biobehavioral Reviews*, 30:1246-1259.
151. Bertolani, P., Scholes, C., McGrew, W.C., Pruett, J.D. Laterality in termite-fishing by Fongoli chimpanzees: Preliminary report. *Pan Africa News*, 14:1-3.
152. 2007 McGrew, W.C., Marchant, L.F. & Hunt, K.D. Ethoarchaeology of manual laterality: well-digging by wild chimpanzees. *Folia Primatologica*, 78:240-244.
153. Marchant, L.F. & McGrew, W.C. Ant fishing by wild chimpanzees is not lateralised. *Primates*, 48: 22-26

154. Lycett, S.J., Collard, M., McGrew, W.C. Phylogenetic analyses of behavior support existence of culture among wild chimpanzees. *Proceedings of the National Academy of Sciences (USA)*, 104:17588-17592.
155. McGrew, W.C. Mahale and Gombe compared: patterns of research on wild chimpanzees over four decades. *African Study Monographs*, 28:143-153.
156. Horvath, J., Crosswell, M., O'Malley, R.C. & McGrew, W.C. Vegetation survey of site for proposed chimpanzee sanctuary, Caddo Parish, Louisiana. *International Journal of Primatology*, 28:135-158.
157. McGrew, W.C., Marchant, L.F. Beuerlein, M.M., Vrancken, D., Fruth, B. & Hohmann, G. Prospects for bonobo insectivory: What's on the menu at Lui Kotal, Democratic Republic of Congo. *International Journal of Primatology*, 28:1237-1252.
158. McGrew, W.C. New wine in new bottles: Prospects and pitfalls of cultural primatology. *Journal of Anthropological Research*, 67: 167-183.
159. 2008 Pruetz, J.D., Fulton, S., Marchant, L.F., McGrew, W.C., Schiel, M. & Waller, M. Arboreal nesting as anti-predator adaptation by savanna chimpanzees (*Pan troglodytes verus*) in southeastern Senegal, West Africa. *American Journal of Primatology*, 70:393-401.
160. Russak, S.M. & McGrew, W.C. Chimpanzees as fauna: comparison of sympatric-large mammals across long-term study sites. *American Journal of Primatology*, 70:402-409.
161. McGrew, W.C. Reflections on progress in cultural primatology. *Bulletin of the Novosibirsk State University, Series of Psychology*, 2 (2): 42-47.
162. Schoening, C., Humle, T., Möbius, Y. & McGrew, W.C. The nature of culture: Technological variation in chimpanzee predation on army ants revisited. *Journal of Human Evolution*, 55:48-59.
163. McGrew, W.C. Revisiting the battlefronts.  
In: *The Question of Animal Culture*, Laland, K.N. & Galef, B.G. (eds.), Harvard University Press, pp. 41-69.
164. 2009 Carvalho, S., Biro, D., McGrew, W.C. & Matsuzawa, T. Tool-composite reuse in wild chimpanzees (*Pan troglodytes*): Archaeologically invisible steps in the technological evolution of early hominins? *Animal Cognition*, 12: 103-114.
165. Nishida, T., Matsusuka, T., & McGrew, W.C. Emergence, propagation, or disappearance of novel behavioral patterns in the habituated chimpanzees of Mahale: A review. *Primates*, 50: 23-36.
166. Lycett, S.J., Collard, M. & McGrew, W.C. Cladistic analyses of behavioural variation in wild *Pan troglodytes*: Exploring the chimpanzee culture hypothesis. *Journal of Human Evolution*, 57: 337-349.
167. McGrew, W.C., Marchant, L.F. & Phillips, C.A. Standardised protocol for primate fecal analysis. *Primates*, 50:363-366.
168. Haslam, M. (+17 other authors, including WCM) Primate archaeology. *Nature*: 460: 339-344.
169. 2010 McGrew, W.C. New theaters of conflict in the animal culture wars: Recent findings from chimpanzees.  
In: *The Mind of the Chimpanzee*, Lonsdorf, E., Ross, S., & Matsuzawa, T. (eds.), University of Chicago Press, pp 168-177.
170. Koops, K., McGrew, W.C. & Matsuzawa, T. Do chimpanzees (*Pan troglodytes*) use cleavers and anvils to fracture *Treculia africana* fruits? Preliminary data on a new form of percussive technology. *Primates*, 51:175-178.



171. Lycett, S.J., Collard, M. & McGrew, W.C. Are behavioral differences among wild chimpanzee communities genetic or cultural? An assessment using tool-use data and phylogenetic methods. *American Journal of Physical Anthropology*, 142: 461-467.
172. McGrew, W.C. Chimpanzee technology. *Science*, 328:579-580.
173. McGrew, W.C. In search of the last common ancestor: new findings on wild chimpanzees. *Philosophical Transactions of the Royal Society, B*, 365: 3267-3276.
174. 2011 McGrew, W.C. Natural ingestion of ethanol by animals: Why?  
In: *Liquid Bread: Beer and Brewing in Crosscultural Perspective*, Schiefenhövel, W. & Macbeth, H. (eds.), Oxford: Berghahn, pp. 13-19.
175. McGrew, W.C. *Pan symbolicus*: A cultural primatologist's viewpoint.  
In: *Homo Symbolicus: The Dawn of Language, Imagination, and Spirituality*, Henshilwood, C. and D'Errico, F. (eds.), pp. 1-12.
176. Stewart, F.A., Piel, P.K. & McGrew, W.C. Living archaeology: Artefacts of specific nest-site fidelity in wild chimpanzees. *Journal of Human Evolution*. 61: 388-395.
177. Beuerlein, M.M. & McGrew, W.C. It takes a community to rear a child, or does it? Socialisation in wild chimpanzees. *American Journal of Primatology*, submitted.
178. Wynn, T., Hernandez-Aguilar, A.R., Marchant, L.F. & McGrew, W.C. "An ape's view of the Oldowan" revisited. *Evolutionary Anthropology*, 20: 181-197.
179. McGrew, W.C. & Hunt, K.D. Chimpanzee pith-folding at Toro-Semliki Wildlife Reserve, Uganda. *Pan Africa News*; 18: 15-18.
180. Lycett, S.J., Collard, M. & McGrew, W.C. Correlations between genetic and behavioural dissimilarity in wild chimpanzees do not undermine the case for culture. *Proceedings of the Royal Society B*, 278: 2091-2093.
181. 2012 Carvahlo, S., Biro, D., Cunha, E., Hockings, S., McGrew W.C., Richmond, B.G. and Matsuzawa, T. Chimpanzee carrying behaviour and the origins of human bipedality. *Current Biology*, in press.
182. Koops, K., Knapp, L., McGrew, W.C. and Matsuzawa, T. Terrestrial nest-building by wild chimpanzees (*Pan troglodytes*): implication for the tree-to-ground sleep transition in early hominins. *American Journal of Physical Anthropology*, in press.
183. Koops, K., de Vries, H. & McGrew, W.C. Nest-building by chimpanzees (*Pan troglodytes*) at Seringbara, Nimba Mountains: Anti-predation, thermoregulation, and anti-vector hypotheses. *American Journal of Primatology*, in press.
184. Stanley, G. Dorner, M., Persad-Clem, R., Sarringhaus, L., & McGrew, W.C. Just browsing: Captive chimpanzees respond differently to cut woody vegetation. *Zoo Biology*, submitted.
185. Ebbert, MA, McGrew, W.C. & Marchant, L.F. Baboons and their endoparasites: critical review, methodology, and new data. *American Journal of Physical Anthropology*, submitted.
186. Kocher, A. & McGrew, W.C. Captive chimpanzees are manually ambilateral, regardless of rearing experience. *Journal of Human Evolution*, submitted.
187. Ramsey, J.K. & McGrew, W.C. Do tool users show more object play? Comparisons of chimpanzees and gorillas. *American Journal of Primatology*, submitted.

**Notes, Reviews, Comments, Letters, Translations, Popular Articles and Other Trivia**

1. 1963 Channel catfish feeding on diamond-backed water snakes. *Copeia*, (1): 178-179.
2. 1971 Aggression und Gruppenbildung im Kindergarten.

- Umschau Wissenschaft und Technik*, 21: 785.
- 3.1972 How children react to newcomers. *New Society*, 20(498): 55-57.
  - 4.1973 La dentisterie chez le chimpanze.  
*Le Chirurgien Dentiste de France*, 186: 57-61. (with C. Tutin)
  - 5.1974 Review of *Culture and Biological Man*, by E.D. Chapple.  
*Current Anthropology*, 15: 58.
  - 6.1975 Zahnfürsorge bei Schimpansen. *Quintessenz*, 7: 135-138.
  - 7.1976 Man as a tool maker meets a rival. *New Society*, 35(700): 549-551.
  - 8.1977 *Il Comportamento Infantile. Uno Studio Etologico.*  
Milan: Franco Angeli Editore, pp. 1-336.
  - 9.1978 What future for the wolf? *Carnivore*, 1: 112-113. (Meeting report)
  - 10.1979 Review of *Cannibals and Kings: The Origins of Cultures*, by M. Harris.  
*Carnivore*, 2: 74-75.
  11. Review of *The Man-Eating Myth: Anthropology and Anthropophagy*, by W. Arens.  
*Carnivore*, 2: 76-77.
  12. Habitat and the adaptiveness of primate intelligence. (Comment)  
*Behavioral and Brain Sciences*, 2: 393.
  - 13.1980 Gabar goshawk drowns its prey. *Ostrich*, 51: 53.
  14. The proper study of sociobiological mankind is sex. (Comment)  
*Behavioral and Brain Sciences*, 3: 193-194.
  15. Review of *The Ape's Reflexion*, by A. Desmond. *Human Ethology Newsletter*, 28: 13-14.
  16. Review of *Human Behavior and Adaptation*, by V. Reynolds and N. Blurton Jones.  
*Human Ethology Newsletter*, 29: 18-19.
  17. Review of *Animal Tool Behavior*, by B.B. Beck. *International Journal for the Study of Animal Problems*, 1: 400-402.
  18. Review of *Man: The Fallen Ape*, By B. Bokum. *Primate Eye*, 14: 21-22.
  19. Review of *The Evolution of Culture in Animals*, by J. Bonner. *Nature*, 288: 26-27.
  - 20.1981 Review of *Social Behavior in Primates*, by N. Chalmers. *Nature*, 289: 710.
  21. Comment on "Variations in subsistence activities of female and male pongids", by B. Galdikas and G. Teleki. *Current Anthropology*, 22: 250.
  22. Anthropoid ape advisory panel. *Primate Eye*, 16: 18-23.
  23. Review of *The Origins and Rise of Ethology*, by W.H. Thorpe. *Human Ethology Newsletter*, 3(2): 22-23.
  24. Review of *The Ecology and Conservation of Large African Mammals*, by K. Eltringham.
  25. Review of *The Ecology of Preschool Behaviour*, by P.K. Smith and K.J. Connolly.  
*Human Ethology Newsletter*, 3(3): 25-28.
  26. Review of *The Natural History of the Gorilla*, A.F. Dixson. *American Journal of Primatology*, 1: 473-475.
  - 27.1982 Review of *The Question of Animal Awareness*, by D.R. Griffin, and *Animals are Equal*, by R. Hall. *International Journal for the Study of Animal Problems*, 3: 66-68.
  28. Review of *A World Like Our Own*, by A. Jolly. *Human Ecology*, 10: 268-270.
  29. Review of *Omnivorous Primates*, by R. Harding and G. Teleki. *Primate Eye*, 18: 19-20.
  30. Review of *The Soccer Tribe*, by D. Morris. *Human Ethology Newsletter*, 3(6): 7-9.
  - 31.1983 Chimpanzees can be rehabilitated. *Laboratory Primate Newsletter*, 22(2): 2-3.
  32. Review of *Gorilla Behavior*, by T. Maple and M. Hoff. *International Journal for the Study of Animal Problems*, 4: 263-265.
  33. Review of *Chimpanzee Politics*, by F. de Waal. *Human Ethology Newsletter*, 3(10): 13-15.
  34. Comment on "The evolution of the advanced hominid brain", by B. Blumenberg.  
*Current Anthropology*, 24: 606.
  35. Review of *Siblings*, by J. Dunn & C. Kendrick. *Human Ethology Newsletter*, 3(11): 4-5.



36. Comment on "Some new evidence in support of the stabbing hypothesis for *Smilodon californicus*" by G.J. Miller. *Carnivore*, 3(2): 21.
37. A reply to Kortlandt's "Marginal habitats of chimpanzees"  
*Journal of Human Evolution*, 12: 413-414. (with P. Baldwin and C. Tutin)
38. The cultured chimpanzee. In: *Wildlife 1984*, Sitwell, N. (ed.),  
London: Nicholas, pp. 16-25.
39. 1984 Review of *Primate Social Relationships*, by R.A. Hinde, and *Primate Behavior*, by  
J.L. Fobes and J.E. King. *Nature*, 308: 127-128. (with J.R. Anderson)
40. Comment on "Hominid dietary selection before fire" by A.B. Stahl.  
*Current Anthropology*, 25: 160.
41. Review of *Apetalk and Whalespeak*, by T. Crail. *Primate Eye*, 23: 32-34.
42. Review of *Animal Architecture and Building Behaviour*, by M. Hansell.  
*Nature*, 311: 183.
43. Review of *Instinct, Environment and Behaviour*, by S.E.G. Lea.  
*Human Ethology Newsletter*, 4(3): 4.
44. Catalogue comportmental des expressions faciales. In: *L'Observation*, Michiels-Philippe,  
M.P. (ed.), Paris: Delachaux et Niestle, pp. 145-149.
45. 1985 Report on Primate Rehabilitation Symposium. *Primate Eye*, 25: 21.
46. Review of *Primate Behaviour and Social Ecology*, by H. Box. *Animal Behaviour*, 33: 342.
47. Chimpanzee diet - in bad taste? Comment on Rozin and Kennel. *Appetite*, 6: 81-85.
48. Review of *The Chimpanzees of Kibale Forest*, by M. Ghiglieri. *Ethology and Sociobiology*,  
6: 133-134.
49. Comment on "Household economics and hominid origins" by D. Quiatt and J. Kelso.  
*Current Anthropology*, 26: 213-214.
50. Review of *The Natural History of the Primates*, by J. Napier and P. Napier, and  
*Primates in Nature*, by A. Richard. *Nature*, 316: 223. (with J.R. Anderson)
51. 1986 Review of *The Behavioral Development of Free-Living Chimpanzee Babies and Infants*, by  
F. Plooij. *International Journal of Primatology*, 6: 627-629.
52. Comment on "Parturition in nonhuman primates,"  
*Pain*, 26: 125-127. (with K.J. Gijsbers)
53. Review of *The Innocent Anthropologist*, by N. Barley. *Human Ethology Newsletter*, 4(9): 2.
54. Review of *The Chimpanzees of Gombe*, by J. Goodall. *Nature*, 323: 765.
55. Rejoinder to Ghiglieri. *Ethology and Sociobiology*, 8: 159-161.
56. Chimp liberation. *New Scientist*, 111(1515): 63. (letter)
57. Kinship terms and callitrichid mating patterns: A discussion note.  
*Primate Eye*, 30: 25-26.
58. 1987 Review of *Vaulting Ambition*, by P. Kitcher. *Behavioral and Brain Sciences*, 10: 79.
59. Review of *The Evolution of Human Behavior: Primate Models*, by W. Kinzey.  
*Animal Behaviour*, 35: 1587-1588.
60. 1988 Comment on "Female primate sexual behavior and conception" by M. Small.  
*Current Anthropology*, 29: 90-91.
61. Review of *Great Apes of the World*, by R.H. Tuttle. *Behavioral Processes*, 17: 73-74.
62. Comment on "Tactical deception in primates" by A. Whiten and R. Byrne.  
*Behavioral and Brain Sciences*, 11: 258.
- 62a. Tools compared: The material of culture. *Anthropology Today*, 4: 22-23.
63. 1989 Comment on "Hominid use of fire in the Lower and Middle Pleistocene" by S.R. James.  
*Current Anthropology*, 30: 16-17.
64. What would be an asocial primate group? *Primate Eye*, 37: 17.
65. Review of *Peacemaking among Primates*, by F. de Waal. *Nature*, 340: 195.
66. 1990 Band of brothers? A call for information. *The Chimpanzee Newsletter*, 1: 3.

67. Review of *The Chimpanzees of the Mahale Mountains*, by T. Nishida. *Nature*, 346: 711.
68. Review of *Through a Window*, by J. Goodall. *Nature*, 348: 371-372.
- 69.1991 Review of *Human Ethology*, by I. Eibl-Eibesfeldt. *Journal of Human Evolution*, 21: 77-78.
70. Review of *How Monkeys See the World*, by D. Cheney and R. Seyfarth. *Nature*, 350: 565.
71. Comment on "Intergroup aggression in chimpanzees and humans" by J. Manson and R. Wrangham. *Current Anthropology*, 32: 380-381. (with L.F. Marchant)
72. Comment on "Biology and behaviour in human evolution" by P. Lee. *Cambridge Archaeological Journal*, 1: 221-222. (with T.G. Wynn)
73. Review of *The Egalitarians-Human and Chimpanzee*, by M. Power. *Nature*, 354: 324.
- 74.1992 Comment on "Was there no place like home?" by J. Sept. *Current Anthropology*, 33: 197-198.
- 75.1993 Review of *Edible Wild Plants of Sub-Saharan Africa* by C. Peters et al. *Primate Eye*, 50: 30-31.
76. Review of *Primate Behaviour*, by D. Quiatt and V. Reynolds. *Nature*, 365: 794.
77. Review of *Hands*, by J.R. Napier. *Human Ethology Newsletter*, 8(2): 10-11.
- 78.1994 Comment on "Technology and society during the Middle Pleistocene" by S. Mithen. *Cambridge Archaeological Journal*, 4:21.
79. Review of *The Third Chimpanzee*, by J. Diamond. *Quarterly Review of Biology*, 69: 431-432.
- 80.1995 Review of *The Great Ape Project*, by P. Cavalieri and P. Singer. *American Journal of Primatology*, 35:83-85.
81. Review of *The Left-Handed Syndrome*, by S. Coren. *Human Ethology Bulletin*, 10(1): 8-9.
82. Review of *Visions of Caliban*, by D. Peterson and J. Goodall. *International Journal of Primatology*, 16: 157-159.
83. Thumbs, tools, and early humans. *Science*, 268: 586. (Technical comment.)
84. Review of *Reflections of Eden*, by B. Galdikas. *Nature*, 374: 832-833.
85. Review of *Hominid Culture in Primate Perspective*, by D. Quiatt and J. Itani. *Cambridge Archaeological Review*, 5: 159-160.
86. Review of *The Chosen Primate*, by A. Kuper. *Primate Eye*, 56: 25-27.
87. Review of *Kanzi* by S. Savage-Rumbaugh and R. Lewin. *Human Ethology Bulletin*, 10(4): 14-15.
88. Review of *Chimpanzee Travels*, by Dale Peterson. *Primate Eye*, 57: 43-44.
- 89.1996 Comment on "Meat eating, hominid sociality, and home bases revisited," by L. Rose and F. Marshall. *Current Anthropology*, 37: 324-325. (with B. Fruth)
90. Review of *In Quest of the Sacred Baboon*, by H. Kummer. *Nature*, 410: 379.
91. Review of *Good Natured*, by F. de Waal. *Scientific American*, 275(3): 176-177.
92. [Chimpanzee Material Culture: Implications for Human Evolution] Japanese translation, English Agency Ltd, Tokyo, pp. 1-410.
93. Review of *Dead Men Do Tell Tales*, by W. Maples. *American Journal of Physical Anthropology*, 101: 446-447.
- 94.1997 Review of *Living with Chimpanzees*, by F. Fontes. (Video) *American Journal of Primatology*, 41: 261-262.
95. Review of *When Elephants Weep*, by J. Masson and S. McCarthy. *Human Ethology Bulletin*, 12: 14-15.
96. Review of *Bonobo: The Forgotten Ape*, by F. de Waal and F. Lanting. *Nature*, 387: 142-143.
97. Review of *Culture of Honor*, by R. Nisbett and D. Cohen. *Human Ethology Bulletin*, 12, 10-11.
- 98.1998 Review of *Reaching into Thought: The Minds of Great Apes*, by Russon, A. et al. *Primate Eye*, 64: 28-30.

99. Review of *Social Learning in Animals*, by C. Heyes and B. Galef. *Journal of Anthropological Research*, 54: 97-99.
100. Review of *I've Been Gone Far Too Long*, by M. Mulder and W. Logsdon. *Primate Eye*, 65: 33-34.
101. Review of *Next of Kin*, by R. Fouts. *Human Ethology Bulletin*, 13(2): 14-16.
102. Comment on "The social behavior of chimpanzees and bonobos," by C. Stanford. *Current Anthropology*, 39, 411.
103. Comment on "Chimpanzee and human cultures," by C. Boesch and M. Tomasello. *Current Anthropology*, 39, 607-608.
104. 1999 Review of *The Hunting Apes*, by C. Stanford. *Primate Eye*, 68: 38-40.
105. Comment on "Cooking and the ecology of human origins," by R. Wrangham *et al.* *Current Anthropology*, 40: 582-583.
106. Review of *Machiavellian Intelligence II*, by A. Whiten and R.W. Byrne. *Journal of the Royal Anthropological Institute*, 5: 304.
107. Review of *Reclaiming a Scientific Anthropology*, by L. Kuznar. *Human Ethology Bulletin*, 14(3): 15-16.
108. Obituary for Pamela Jane Baldwin. *International Primatological Society Bulletin*, 26(2): 3.
109. Review of *Chimpanzee and Red Colobus*, by C. Stanford. *American Zoologist* 39: 928.
110. 2000 Review of *Human Nature*, by L. Betzig. *Journal of Human Evolution*, 38: 454-455.
112. Introducing Jane Goodall. *Kirtlandia*, 51: 101-102.
113. Dental care in chimps. *Science*, 288: 1747. (Letter)
114. Review of *That Complex Whole*, by L. Cronk. *Human Ethology Bulletin*, 15(4): 16-17.
115. 2001 Whiten, A. & McGrew, W.C. Is this the first portrayal of tool use by a chimp? *Nature*, 409:12. (Letter)
116. Review of *The Cannibal Within*, by L. Petrinovich. *Human Ethology Bulletin*, 16(1): 14-15.
117. Review of *Primate Behavioral Ecology*, by K. Strier. *American Anthropologist*, 103: 240-241.
118. Review of *The Anthropology of Cannibalism*, by L. Goldman. *Politics & Life Sciences*, 19: 116-117.
119. Tool evolution. *McGraw-Hill Yearbook of Science & Technology*, pp. 379-381.
120. Review of *The Sacred Monkeys of Bali*, by B. Wheatley. *Primate Eye*, 73: 47-49.
121. Review of *Genes, Peoples, and Languages*, by L. Cavalli-Sforza. *Human Ethology Bulletin*, 16(3): 4-5.
122. Review of *Walker's Primates of the World*, by R. Nowak. *Primate Eye*, 74: 48-50.
123. Review of *The Ape and the Sushi Master*, by F. deWaal. *American Scientist*, 89: 264-265.
124. Review of *Chimpanzees. Social Climbers of the Forest*, by T. Constable. *Primates*, 42: 407.
125. Review of *Significant Others*, by C. Stanford. *Primate Eye*, 75: 57-58.
126. Review of *Perspectives in Ethology 13*, by F. Tonneau and N. Thompson (eds.). *Animal Behaviour*, 62: 609-610.
127. Obituary for Denise Vasseur. *Primate Eye*, 73: 25.
128. Whiten, A. & McGrew, W.C. Piecing together the history of our knowledge of chimpanzee tool use. *Nature*, 411: 413. (Letter)
129. Review of *The Chimpanzees of the Tai Forest*, by C. Boesch, and H. Boesch-Achermann. *Journal of Human Evolution*. 41: 531-533.
130. 2002 Review of *The Biological Bases of Human Behavior*, by G. Pope. *Primate Eye*, 76: 30-31.
131. Review of *Ancient Encounters*, by J.C. Chatters. *Human Ethology Bulletin*, 17(3): 11-14.
132. Review of *Myth and Reality in the Rain Forest*, by J. Oates. *Primate Eye*, 78: 34-35.
133. Review of *Skull Wars*, by D. Thomas. *Homo*, 52: 283.
134. 2003 Review of *Defenders of the Truth: The Battle for Science in the Sociobiology Debate and Beyond*, by U. Segerstrale. *Human Ethology Bulletin*, 18(2): 3-4
135. Review of *Hierarchy in the Forest. The Evolution of Egalitarian Behavior*, by C. Boehm.

- Primate Eye*, 79: 29-31.
136. Review of *Second Nature. Economic Origins of Human Evolution*, by H. Ofek. *PaleoAnthropology*, 1: 21-22.
  137. Review of *The Meme Machine*, by S. Blackmore. *PaleoAnthropology*, 1: 23-24.
  138. Comment on "Social conventions in wild white-faced capuchin monkeys," by S. Perry *et al.* *Current Anthropology*, 44: 259
  139. Review of *On the Trail of Monkeys and Apes*, by L. Farris-Toussaint and B. de Wetter. *Folia Primatologica*, 72: 113-114
  140. Review of *A Fly for the Prosecution*, by M. Goff. *Homo*, 53: 298
  141. Review of *Mahale: A Photographic Encounter with Chimpanzees*, by A. Hofer *et al.* *Folia Primatologica*, 74: 112-113.
  142. Review of *The Octopus and the Orangutan*, by E. Linden. *Primate Eye*, 81: 24-25.
  143. 2004 Review of *Animal Innovation*, by S. Reader and K. Laland. *Nature*, 427: 679.
  144. Review of *The Biology of Traditions*, by D. Fragaszy and S. Perry. *Quarterly Review of Biology*, 70: 226-227.
  145. Psychiatric treatment needed for great apes? *Science*, 306: 2039. (with M. Brüne & U. Brüne-Cohrs)
  146. Obituary for Goblin (chimpanzee). *Primate Eye*, 84: 33-34. (with M. Beuerlein)
  147. Comment on: "The invention of technology: prehistory and cognition," by S.A. de Beaune. *Current Anthropology*, 45: 153-154.
  148. Review of *A Devil's Chaplain*, by R. Dawkins. *Human Ethology Bulletin*, 19(2): 13-14.
  149. Review of *Nature via Nurture*, by M. Ridley. *Human Ethology Bulletin*, 19(3): 3-4.
  150. Review of *Primate Behavioral Ecology*, 2<sup>nd</sup> edit., by K. Strier. *Primate Eye*, 84: 40-41.
  151. 2005 Review of *Right Hand, Left Hand*, by C. McManus. *American Journal of Human Biology*, 17: 121-122.
  152. Review of *The Evolution of Thought*, by A. Russon and D. Begun. *Ethology*, 111: 239-240.
  153. Review of *Niko's Nature*, by H. Kruuk. *Human Ethology Bulletin*, 20: 4-6.
  154. Review of *In My Family Tree. A Life with Chimpanzees*, by S. Siddle. *Primate Eye*, 85: 28-30.
  155. Review of *Kinship with Monkeys*, by L. Cormier. *Human Ecology*, 33: 895-897.
  156. 2006 Review of *From Mukogodo to Maasai: Ethnicity and Cultural Change in Kenya*, by L. Cronk. *Human Ethology Bulletin*, 20(3): 4-6.
  157. Review of *Stiff*, by M. Roach. *Homo*, 57:101-102.
  158. Obituary for Professor Shigeo Uehara. *Primate Eye*, 85: 16-17. (with M.M. Beuerlein)
  159. Primates and the origins of culture, in *Encyclopedia of Life Sciences*, Macmillan, pp. 1-6.
  160. Animal tools, in *Encyclopedia of Science, Technology, and Ethics*, Macmillan, accepted.
  161. Review of *Among Orangutans*, by C. van Schaik. *Primate Eye*, 87: 39-41.
  162. Review of *My Family Album*, by F. de Waal. *American Journal of Physical Anthropology*, 130: 273.
  163. Evolution, culture and human uniqueness. In: *Encyclopedia of Mammals*, by D.M. MacDonald (ed.), in press. (with R.A. Foley)
  164. Review of *Not by Genes Alone*, by P. Richerson and R. Boyd. *Journal of Human Evolution*, 50: 237.
  165. Review of *The Bridge to Humanity*, by W. Goldschmidt. *Human Ethology Bulletin*, 21(4): 4-5.
  166. Review of *A Brief History of the Mind*, by W. Calvin. *Human Ethology Bulletin*, 21: 17-18.
  167. Review of *The Chimpanzees of the Budongo Forest*, by V. Reynolds. *Primate Conservation*, 21: 179-180.
  168. Reply to Horacio Fabrega's commentary: Making sense of behavioral irregularities of

- great apes. *Neuroscience and Biobehavioral Reviews*, 30:1274-1277. (with Preuschoft, S., Bruene-Cohrs, U. & Bruene, M.)
169. 2007 An ant's eye view of animal cognition (Foreword). In: Reznikova, Z., *Animal Cognition: An Experimental View*, Cambridge University Press, pp. xiii-xiv.
170. Review of *Our Inner Ape*, by F. de Waal. *Journal of Human Evolution*, 52:468-469.
171. Review of *Primate Behavioral Ecology. 3<sup>rd</sup> Edition*, by K. Strier. *Primate Conservation*, 22:1.
172. Review of *The Ape in the Tree: An Intellectual & Natural History of Proconsul*, by A. Walker. *Primate Eye*, 96: 25-26.
173. Review of *Richard Dawkins. How a Scientist Changed the Way We Think*, by A. Grafen & M. Ridley, (eds). *Human Ethology Bulletin*, 22:7-8.
174. Savanna chimpanzees dig for food. *Proceedings of the National Academy of Sciences (USA)*, 104:19167-19168. (comment)
175. 2008 Comment on 'The chimpanzee has no clothes' by K. Sayers, and C.O. Lovejoy, *Current Anthropology*, 49:102-103.
176. Kenji Imanishi: Pioneer of primatology. *Current Biology*, 18:R587-591. (with T. Matsuzawa) (commissioned essay)
177. Chasing after chimpanzees. *Relay*, 4:3.
178. 2009 Review of *Mothers and Others*, by S. Hrdy. *American Scientist*, 97:328-330.
179. Review of *Apes of the Impenetrable Forest*, by C. Stanford. *Primates*, 50:89-90.
180. Review of *The Bonobos*, by T. Furuichi and J. Thompson (eds.), *Human Ethology Bulletin*, 24: 3-4.
181. Palaeoanthropology meets primatology. (preface) *Journal of Human Evolution*, 57:335-336. (with R.A. Foley)
182. 2010 Studying extant species to model our past. (letter) *Science*, 327:410. (with 11 others)
183. Review of *The Real Chimpanzee*, by C. Boesch. *Primates*, 51:189-190.
184. Review of *Man the Hunted* by D. Hart and R. Sussman. *Primates*, 52: 91-92.
185. Review of *Beautiful Minds*, by M. Bearzi and C.B. Stanford. *Human Ethology Bulletin*, 25 (3): 12-13.
186. 2011 Preface. *The Cultured Chimpanzee* [Slovenian translation] Ljubljana, pp. 11-12.
187. Short tribute to Prof. Toshisada. *Pan Africa News*, 18:4.
188. 2012 Recollections of Prof. Itani, submitted (with C.E.G. Tutin)
189. Obituary for Professor Toshisada Nishida. *Primates*, submitted. (with J. Yamagiwa, W.Y. Brockelman, A. Harcourt, E.W. Heyman, M. Inoue-Murayama, T. Ishida, J.C. Mitani, D.S. Sprague & Y. Takahata)
190. Obituary for Toshisada Nishida. *International Journal of Primatology*, submitted. (with J.C. Mitani, F. de Waal, K. Hosaka, M. Nakamura, A. Nishimura, R.W. Wrangham & J. Yamagiwa)
191. Review of *The Chimpanzees of Bossou and Nimba*, by T. Matsuzawa., T. Humle and Y. Sugiyama (eds.), *Primates*, in press.
192. Obituary for Professor Toshisada Nishida (1941-2011). *Primate Eye*, in press.

Exhibit: B. to Affidavit of William C. McGrew sworn to November 21, 2013  
Reference List of Peer-Reviewed Literature

This is Exhibit B  
referred to in the Affidavit of  
William C. McGrew  
Reference List of Peer-Reviewed Literature  
2/1/13

EXHIBIT B

References:

Bering, J., and Bjorklund, D.F. (2000) Deferred imitation of object related actions in human-reared juvenile chimpanzees and orang-utans. *Developmental Psychobiology* 36: 218-232.

Bjorklund, D.F., Bering, J. and Ragan P. (2000) A two-year longitudinal study of deferred imitation of object manipulation in a juvenile chimpanzee (*Pan troglodytes*) and orang-utan (*Pongo pygmaeus*). *Developmental Psychobiology* 37: 229-237.

Boesch, C. (2012) *Wild Cultures*. Cambridge University Press.

Boesch, C., Head, J., and Robbins, M.M. (2009) Complex tool sets for honey extraction among chimpanzees in Loango National Park, Gabon. *Journal of Human Evolution* 56: 560 – 569.

Brosnan, S.F. (2013) Justice and fairness related behaviors in nonhuman primates. *Proceedings of the National Academy of Sciences* 110(2): 10416-10423.

Brosnan, S.F., Schiff, H.C., and deWaal, F.B.M. (2005). Tolerance for inequity may increase with social closeness in chimpanzees. *Proceedings: Biological Sciences* 272: 253-258.

Brown, P., Sutikna, T., Morwood, M.J., Soejono, R.P., Jatmiko, E., Saptomo W., and Rokus, A.D., (2004). A new small-bodied hominin from the Late Pleistocene of Flores, Indonesia. *Nature* 431: 1055-1061.

Buttelmann, D., Carpenter, M., Call, J. and Tomasello, M. (2007) Enculturated chimpanzees imitate rationally. *Developmental Science* 10: F31-F38.

Carvalho, S., Biro, D., McGrew, W.C., and Matsuzawa, T. (2009). Tool composite reuse in wild chimpanzees (*Pan troglodytes*): Archaeologically invisible steps in the technological evolution of early hominins? *Animal Cognition* 12 (Suppl. 1): 103 – 114.

Goodall, J. (1967) *My Friends the Wild Chimpanzees*. National Geographic.

Goodall, J. (1986) *The Chimpanzees of Gombe*. Harvard University Press.

Goodman, M. (1999) The genomic record of humankind's evolutionary roots. *American Journal of Human Genetics* 64: 31 - 39

Haun, D. and Call, J. (2008) Imitation recognition in great apes. *Current Biology* 18: R288-R290.

Hirata, S. and Murimara, N. (2000) Naïve chimpanzees' (*Pan troglodytes*) observation of experienced conspecifics in a tool-using task. *Journal of Comparative Psychology* 114: 291-296.

Horner, V., Carter, J.D., Suchak, M., de Waal, F.B.M. (2011) Spontaneous prosocial choice by chimpanzees. *Proceedings of the National Academy of Sciences* 108(33): 13847-13851.

- Horner, V. and Whiten, A. (2005) Causal knowledge and imitation/emulation switching in chimpanzees (*Pan troglodytes*) and human children (*Homo sapiens*). *Animal Cognition* 8: 164-181.
- Huffman, M. (1997). Current evidence for self-medication in primates: A multidisciplinary perspective. *Yearbook of Physical Anthropology* 40: 171-200.
- Matsuzawa, T. (1991) Nesting cups and meta-tools inn chimpanzees. *Behavioural and Brain Sciences* 14: 570-571.
- McGrew, W.C. (1987) Tools to get food: The subsistants of Tasmanian aborigines and Tanzanian chimpanzees compared. *Journal of Anthropological Research* 43: 247-258.
- McGrew, W. C. (1992) *Chimpanzee Material Culture: Implications for Human Evolution*. Cambridge University Press.
- McGrew, W. C. (2004) *The Cultured Chimpanzee: Reflections on Cultural Primatology*. Cambridge University Press.
- McGrew, W.C. (2007) New wine in new bottles: Prospects and pitfalls of cultural primatology. *Journal of Anthropological Research* 67: 167-183.
- McGrew, W.C. (2010) Chimpanzee technology. *Science* 328: 579-580.
- McGrew, W.C. (2011) *Pan symbolicus*. A cultural primatologist's viewpoint. In: *Homo Symbolicus*, Henshilwood, C.S. & d'Errico, F. (eds.), John Benjamins, pp. 1-12.
- McGrew, W.C. (2013) Is primate tool use special? Chimpanzee and New Caledonian crow compared. *Philosophical Transactions of the Royal Society B* 368: 201220422
- McGrew, W. C., Marchant, L.F., Scott, S.E., Tutin, C.E.G. (2001) Intergroup differences in a social custom of wild chimpanzees: The grooming hand- clasp of the Mahale Mountains, Tanzania. *Current Anthropology* 42: 148-153.
- McGrew, W., Preutz, J.D., Fulton, S.J. (2005) Chimpanzees use tools to harvest social insects at Fongoli, Senegal. *Folia Primatologica* 76: 222-226.
- McGrew, W.C., Tutin, C.E.G. (1978) Evidence for a social custom in wild chimpanzees? *Man* 13: 234-251.
- McGrew, W. C., Tutin, C.E.G., Baldwin, P.J. (1979) Chimpanzees, tools and termites: Cross-cultural comparisons of Senegal, Tanzania and Rio Muni. *Man* 14: 185-21.



- Marshall-Pescini, S. and Whiten, A. (2008) Social learning of nut-cracking behavior in East African sanctuary – living chimpanzees (*Pan troglodytes schweinfurthii*). *Journal of Comparative Psychology* 122: 186-194.
- Matsuzawa, T., Tomonaga, M., and Tanaka, N. (2006). *Cognitive Development in Chimpanzees*. Springer-Verlag, Tokyo.
- Mercader, J., Barton, H., Gillespie, J., Harris, J., Kuhn, S., Tyler, R., Boesch, C. (2007) 4,300-year-old chimpanzee sites and the origins of percussive stone technology. *Proceedings of the National Academy of Sciences* 104: 3043-3048.
- Mercader, J., Paner, M.A., Boesch, C. (2002) Excavation of a chimpanzee stone tool use site in the African rainforest. *Science* 296: 1452-1455.
- Mitani, J., Watts, D. P., and Amstler, S.J. (2010) Lethal intergroup aggression leads to territorial expansion in wild chimpanzees. *Current Biology* 20: R507-508.
- Myowa-Yamakoshi, M. and Matsuzawa, T. (2000). Imitation of intentional manipulatory actions in chimpanzees (*Pan troglodytes*). *Journal of Comparative Psychology* 114: 381-391.
- Nagel, K., Olguin, R., Tomasello, M. (1993) Processes of social learning in the tool use of chimpanzees (*Pan troglodytes*) and human children (*Homo sapiens*). *Journal of Comparative Psychology* 107: 174-186.
- Nakamura, M. and Uehara, S. (2004) Proximate factors of different types of grooming hand-clasp in Mahale chimpanzees: Implications for chimpanzee social customs. *Current Anthropology* 45: 108-114.
- Nielsen, M., Collier-Baker, E., Davis, J.M., Suddendorf, T. (2004) Imitation recognition in a captive chimpanzee (*Pan troglodytes*). *Animal Cognition* 8: 31-36.
- Proctor, D., Williamson, R.A., de Waal, F.B.M., and Brosnan, S.F. (2013) Chimpanzees play the Ultimatum Game. *Proceedings of the National Academy of Sciences* 110(6): 2070-2075.
- Schoening, C., Humle, T., Mobius, Y., McGrew, W. (2008) The nature of culture: technological variation in chimpanzee predation on army ants revisited. *Journal of Human Evolution* 55: 48-59.
- Ségurel, L., Thompson, E.E., Flutre, T., Lovstad, J., Venkat, A., Margulis, S.W., Moysé, J., Ross, S., Gamble, K., Sella, G., Ober, C., Przeworski, M. (2012). The ABO blood group is a trans-species polymorphism in primates. *Proceedings of the National Academy of Sciences* 109: 18492-18498.
- Sousa, C., Biro, D., Matsuzawa, T. (2009). Leaf tool-use for drinking water by wild chimpanzees (*Pan troglodytes*): Acquisition patterns and handedness. *Animal Cognition* 12 (Suppl. 1): 115-125.



Von Rohr, C.R., Koski, S.E., Burkart, J.M., Caws, C., Fraser, O.N., Ziltener, A., van Schaik, C.P. (2012) Impartial third-party interventions in captive chimpanzees: A reflection of community concern. *Public Library of Science One* 7(3): e32494.

Whiten, A. (2011) The scope of culture in chimpanzees, humans and ancestral apes. *Philosophical Transactions of the Royal Society B* 366: 997-1007.

Whiten, A., Custance, D., Gomez, J.C., Teixidor, P., Bard, K. (1996) Imitative learning of artificial fruit processing in children (*Homo sapiens*) and chimpanzees (*Pan troglodytes*). *Journal of Comparative Psychology* 110: 3-14.

Whiten, A., Goodall, J., McGrew, W.C., Nishida, T., Reynolds, V., Sugiyama, Y., Tutin, C.E.G., Wrangham, R.W., Boesch, C. (1999) Cultures in chimpanzees. *Nature* 399: 682-685.

Whiten, A., Horner, V., de Waal, F.B.M. (2005) Conformity to cultural norms of tool use in chimpanzees. *Nature* 437: doi:10.1038/nature04047

Whiten, A., McGuigan, N., Marshall-Pescini, S., Hopper, L.M. (2009) Emulation, imitation, over-imitation and the scope of culture for child and chimpanzee. *Philosophical Transactions of the Royal Society B* 364: 2417-2428.

Wynn, T.G., and McGrew, W.C. (1989) An ape's view of the Oldowan. *Man* 24: 383-398.

Wynn, T., Hernandez-Aguilar, R.A., Marchant, L.F., McGrew, W.C. (2011) "An ape's view of the Oldowan" revisited. *Evolutionary Anthropology* 20: 181-197.

Yamamoto, S., Humle, T., Tanaka, M. (2013) Basis for cumulative cultural evolution in chimpanzees: social learning of a more efficient tool-use technique. *Public Library of Science One* 8: e55768. doi:10.1371/journal.pone.0055768