

UNCLASSIFIED

AD NUMBER
AD423069
LIMITATION CHANGES
TO: Approved for public release; distribution is unlimited.
FROM: Distribution authorized to U.S. Gov't. agencies only; Administrative/Operational Use; OCT 1963. Other requests shall be referred to Aeromedica Research Laboratory, Holloman AFB, NM.
AUTHORITY
ARL per ltr, 4 Feb 1965

THIS PAGE IS UNCLASSIFIED

UNCLASSIFIED

AD 4 2 3 0 6 9

DEFENSE DOCUMENTATION CENTER

FOR

SCIENTIFIC AND TECHNICAL INFORMATION

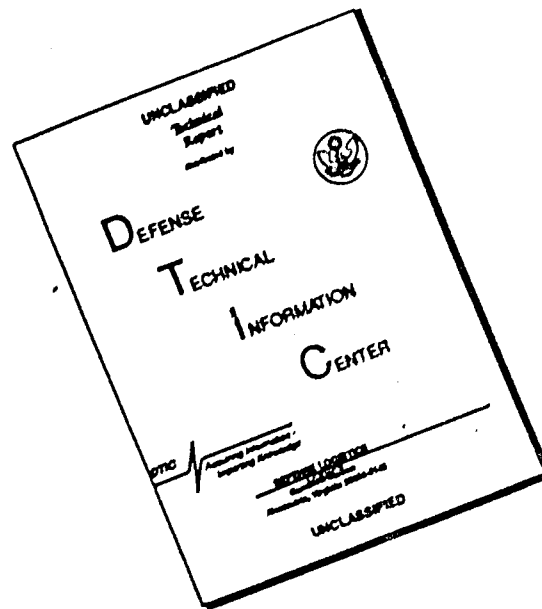
CAMERON STATION, ALEXANDRIA, VIRGINIA



UNCLASSIFIED

NOTICE: When government or other drawings, specifications or other data are used for any purpose other than in connection with a definitely related government procurement operation, the U. S. Government thereby incurs no responsibility, nor any obligation whatsoever; and the fact that the Government may have formulated, furnished, or in any way supplied the said drawings, specifications, or other data is not to be regarded by implication or otherwise as in any manner licensing the holder or any other person or corporation, or conveying any rights or permission to manufacture, use or sell any patented invention that may in any way be related thereto.

DISCLAIMER NOTICE



THIS DOCUMENT IS BEST QUALITY AVAILABLE. THE COPY FURNISHED TO DTIC CONTAINED A SIGNIFICANT NUMBER OF PAGES WHICH DO NOT REPRODUCE LEGIBLY.

ARL-TDR-63-27

THE CHIMPANZEE
A TOPICAL BIBLIOGRAPHY

ADDENDA

Frederick H. Rohles, Jr., Lt. Colonel, USAF, MSC

TECHNICAL DOCUMENTARY REPORT NO. ARL-TDR-63-27

October 1963

6571st Aeromedical Research Laboratory
Aerospace Medical Division
Air Force Systems Command
Holloman Air Force Base, New Mexico

Project No. 6893

AS AD No. 423069



Qualified requesters may obtain copies of this report from DDC. Orders will be expedited if placed through the librarian or other person designated to request documents from DDC.

This document may be reproduced to satisfy official needs of US Government agencies. No other reproduction authorized except with permission of 6571st Aeromedical Research Laboratory, Holloman AFB, New Mexico.

This document made available for study upon the understanding that the US Government's proprietary interests in and relating thereto, shall not be impaired. In case of apparent conflict between the government's proprietary interests and those of others, notify the Staff Judge Advocate, Air Force Systems Command, Andrews Air Force Base, Washington 25, D. C.

Do not return this copy. Retain or destroy.

FOREWORD

This publication adds 158 references to the 2365 listed in The Chimpanzee, A Topical Bibliography, which was published in 1962.

The format is the same as in the initial bibliography with the identifying numbers being followed by lower case letters so they can be inserted in their proper place in the event a composite volume is ever again issued.

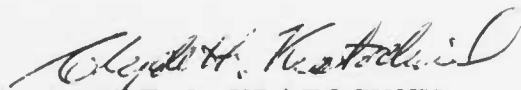
Once again, appreciation is extended to Dr. Robert P. Breitenbach and Mr. Darrell Locke for their assistance in the compilation, and to Miss Sylvia Echavarria for her typing of the drafts and final copy.

ABSTRACT

In June, 1962, "The Chimpanzee, A Topical Bibliography" was published as Aeromedical Research Laboratory Technical Documentary Report 62-9. This TDR is published as an addenda to that report and lists 158 new references on chimpanzee research.

PUBLICATION REVIEW

This technical documentary report has been reviewed and is approved.



CLYDE H. KRATOCHVIL

Major, USAF, MC

Commander,

6571st Aeromedical Research Laboratory

ADDENDA TO CHIMPANZEE BIBLIOGRAPHY

1.16-00 Skeleton As A Whole

1.16-15a Schultz, A.H. The relative weights of the skeletal parts in adult primates. Amer. J. Phys. Anthropol., 1962, 20, 1-10.

1.17-00 Axial and Appendicular Skeleton (General)

1.17-14a Schultz, A.H. Primatologia Vol. IV part 5: Vertebral column and thorax. S. Karger, 1961, 66 pp.

1.21-00 Axial & Appendicular Skeleton (skeleton of the extremities)

1.21-18a Napier, J.R. Prehensility and opposability in the hands of primates. In: Vertebrate locomotion. Symposia Zool. Soc., London, 1961, 5, 115-132.

1.25-00 Myology and Integument (appendicular musculature)

1.25-21a Kiesselbach, A. & Steiner, H. Zur vergleichenden und funktionellen Anatomie des Musculus biceps femoris und seiner Homologa bei Primaten. (Comparative and functional anatomy of the Musculus biceps femoris and its homologue in primates.) Zeitschv. Wiss. Zool., 1961, 165, 88-107.

1.29-00 Nervous System
(the brain as a whole)

1.29-36a Larsell, O. The accessory paraflocculus and petrosal lobule in primates. Anat. Rec., 1963, 145, 252.

1.29-42a Noback, C.R. Phylogenetic aspects of the primate brain. Amer. J. Phys. Anthropol., 1962, 2, 68.

1.29-42b Noback, C.R. & Moskowitz, N. Structural and functional correlates of 'encephalization' in the primate brain. Ann. N.Y. Acad. Sci., 1962, 102, 210-218.

1.29-51a Scherchenko, Yu. G. Razvitie filogeneticheski novykh oblastei mozga v vyadu primatov. (The development of phylogenetically new brain regions in a number of primates.) Sov. Antropol., 1952, 3, 73-92. Referat. Zhur. Biol., 1961, No. 7D555 (Transl.)

1.36-00 Brain Stem and Spinal Cord

1.36-02a Polyakov, G.I. Otkrytiya osobennostyakh uslozhneniya struktury neuronov tsentral'noi nervnoi sistemy u cheloveka, primatov i drugikh mlekopitayushchikh. (Some features of the complication of neural structure in the central nervous system of man, primates and other mammals.) Sov. Antropol., 1958, 2, 35-56. Referat. Zhur. Biol., 1960, No. 93804 (Transl.)

1.38-00 Sense Organs

1.38-35a Rohen, J.W. Primatologia, Vol. II. No. 1, lt. 6, Schorgan. S. Karger, 1962, 210 pp.

1.38-42a Winkelmann, R.K. Cutaneous sensory end organs of some anthropoid apes. Science, 1962, 136, 384-386.

1.38-44a Young, F.A. & Farrer, D.N. The refractive error and intraocular pressure of immature chimpanzees. Aeromedical Research Laboratory Technical Documentary Report 63-3, Holloman AFB, New Mexico, 1963.

2.01-00 Hematology and Circulation

2.01-00a Andre, A., Courtois, G., Lennes, G., Ninane, G., & Osterrieth, P.M. Mise en evidence d'antigenes des groupes sanguins A, B, O et Rh chez les singes chimpanzes. (Demonstration of ABO and Rh blood group antigens in chimpanzees.) Ann. Inst. Pasteur, 1961, 101, 82-95.

2.01-05a Buettner-Janusch, J. & Twichell, J.B. Alkali-resistant haemoglobins in prosimian primates. Nature, 1961, 192, 669.

2.01-09a Caraway, B.L., Edwards, R.H., & Cook, J.E. A clinical evaluation of 14-day restraint studies in the chimpanzee. Aeromedical Research Laboratory Technical Documentary Report 63-7, Holloman AFB, New Mexico, 1963.

2.01-20a Eyquem, A. Les groupes sanguins des chimpanzes. (Blood groups in chimpanzees.) Ann. Inst. Pasteur, 1961, 101, 76-81.

2.01-24a Goodman, M. & Riopelle, A.J. Serum transferrins in chimpanzees. Nature, 1963, 197, 259-261.

2.01-29a Ingram, V.M. Hemoglobin and its abnormalities. Charles C. Thomas, 1961.

2.01-68a Weissler, A.M., Fineg, J., & Warren, J.U. Physiological base-line studies of zoological specimens. The electrocardiogram of the young chimpanzee. Air Force Missile Development Center Technical Report 61-29, Holloman AFB, New Mexico, 1961.

2.01-76b Wiener, A.S. & Moor-Jankowski, J. Blood groups in anthropoid apes and baboons. Science, 1963, 142, 67-68.

2.02-00 Respiration

2.02-03 Farrer, D.N. & Bogo, V. Chimpanzee performance during a simulated three-day space flight. Aeromedical Research Laboratory Technical Documentary Report 62-25, Holloman AFB, New Mexico, 1962.

2.02-04 Farrer, D.N. & Reynolds, H.H. Chimpanzee performance during exposure to 100% oxygen at 14.7 psi. Aeromedical Research Laboratory Technical Documentary Report 62-8, Holloman AFB, New Mexico, 1962.

2.03-00 Digestion, Nutrition and Metabolism

2.03-04b Dowling, J.T., Hutchinson, D.R., Hindle, W.H., & Kluman, C.R. Studies of iodine metabolism during normal subhuman, primate and human pregnancy. Excerpts Med., 1960, 26, 66-67.

2.03-04c Elmadjian, F. Biochemical study of large primate response to severe environmental stressors. Aeromedical Research Laboratory Technical Documentary Report 63-18, Holloman AFB, New Mexico, 1963.

2.03-04d Emerson, G.A., et al. Effects of saturated and unsaturated fats and their mixtures on the lipid metabolism of monkeys. J. Nutrition, 1962, 76, 6-10.

2.03-04e Fitch, C.D. Influence of dietary fat on the fatty acid composition of monkey erythrocytes. J. Nutrition, 1961, 75, 409-413.

2.03-04f Fitch, C.D. & Dinning, J.S. Vitamin E deficiency in the monkey; estimated requirements and the influence of fat deficiency and antioxidants on the syndrome. J. Nutrition, 1963, 79, 69-78.

2.03-04g Forchielli, E. & Elmadjian, F. Characterization of hormonal steroids of the chimpanzee. Aeromedical Research Laboratory Technical Report 63-17, Holloman AFB, New Mexico, 1963.

2.03-04h Gopalan, C., et al. Effect of the mode of feeding of fats on serum cholesterol levels and plasma fibrinolytic activity of monkeys. Amer. J. Clinical Nutrition, 1962, 10, 332-336.

2.03-08a Jones, T.S. & Cave, A.J.E. Diet, longevity and dental disease in the Sierra Leone chimpanzee. Proc. Zool. Soc., London, 1960, 135, 147-155.

2.03-08b Portman, O.W. Importance of diet, species, and intestinal flora in bile acid metabolism. Fed. Proc., 1962, 21, 896-902.

2.03-12a Rohles, F.H., Reynolds, H.H., & Brown, C. Diurnal temperature changes in a chimpanzee during a 14-day restraint test. Aeromedical Research Laboratory Technical Documentary Report 63-2, Holloman AFB, New Mexico, 1963.

2.05-00 Reproduction and Development

2.05-20a Clark, G. & Gavian, J.A. Skeletal effects of pre-pubertal castration in the male chimpanzee. Anat. Rec., 1961, 139, 216.

2.05-31a Erikson, L.B. Sex skin turgescence, vaginal smear changes, and determination of the period of ovulation in chimpanzee. Anat. Rec., 1963, 145, 227. (Abstract)

2.06-00 Muscles and Skin

2.06-07a Edwards, W.E. The study of monkey, ape and human morphology and physiology relating to strength and endurance. Phase I, the relationships of human size to strength. Aeromedical Research Laboratory Technical Documentary Report 63-19, Holloman AFB, New Mexico, 1963.

2.06-07b Edwards, W.E. Study of monkey, ape and human morphology and physiology relating to strength and endurance. Phase II, factors in the posture and grasping strength of monkeys, apes and man. Aeromedical Research Laboratory Technical Documentary Report 63-21, Holloman AFB, New Mexico, 1963.

2.06-07c Edwards, W.E. Study of monkey, ape and human morphology and physiology relating to strength and endurance. Phase III, the testing of chimpanzee strength prior to 1961. Aeromedical Research Laboratory Technical Documentary Report 63-22, Holloman AFB, New Mexico, 1963.

2.06-07d Ellis, R.A. & Montagna, W. Comparative histochemistry of the sweat glands of primates. J. Histochem and Cytochem., 1959, 7, 308.

2.07-00 Nervous System and Sense Organs

2.07-00a Adey, W.R., Kado, R.T., & Rhodes, J.M. Sleep: Cortical and subcortical recordings in the chimpanzee. Science, 1963, 141, 932-933.

2.07-18a Firsov, L.A. A comparison of certain autonomic functions in the chimpanzee. Doklady Akad. Nauk SSSR (Biol. Sci. Sect. Transl.) 1962, 141, 1100-1102. Trans. from Doklady Akad. Nauk SSSR, 1961, 141, 1522-1524.

2.07-39a Hirsch, J.F., et al. Responses electriques corticales a des stimulations somesthesique, visuelle et auditive sur le cortex d'un chimpanze. (Cortical electrical reaction to somesthetic, visual, and auditory stimulation in the cortex of a chimpanzee.) Presse Med., 1960, 68, 609-611.

3.01-00 Parasites and Parasitic Diseases

3.01-03a Becker, W. & Lahde, G. Shigella sonnei beim Schimpansen. (Shigella sonnei in chimpanzees.) In 4th international symposium on diseases in zoo-animals. Nordisk Veterinaermed., 1962, 14, 217-224.

3.01-12a Bray, R.S. Failure to infect splenectomized primates with Theiria parva. J. Parasitol., 1961, 47, 538.

3.01-12b Bray, R.S. & Gunders, A.E. Studies on malaria in chimpanzees. IX. The distribution of the pre-erythrocytic forms of Laverania fabipara. Amer. J. Trop. Med. and Hyg., 1962, 11, 437-439.

3.01-33a Grinker, J.A., Kavlin, D.A., & Estrella, P.M. Lung mites; Pulmonary acariasis in the primate. Aerospace Med., 1962, 33, 841-845.

3.01-41a Liebegott, G. Verminous pericarditis in chimpanzees, due to strongyloides. Virchows Arch., 1962, 335, 211-225.

3.01-72a Stam, A.B. Fatal ascaridosis in a dwarf chimpanzee. Ann. Parasit. hum. comp., 1960, 35, 675.

3.02-00 Non-Parasitic Diseases

3.02-02a Allroggen, L. & Allroggen, R. Acute generalized tuberculosis in a chimpanzee. Vet. med. Nochr., 1960, 4, 251-256.

3.02-03a Anonymous. Infective hepatitis and chimpanzees. British Med. J., 1961, 1206.

3.02-03b Appleby, E.C. & Fraser, G. Six fatal cases of non-specific pericarditis in the chimpanzee. J. Pathol. and Bact., 1962, 84, 245-248.

3.02-04 Beem, M., Wright, F.H., Hamre, D., Egerer, R., & Oehme, M. Association of the chimpanzee coryza agent with acute respiratory disease in children. New England J. Med., 1960, 263, 523-530.

3.02-04a Bennett, C.R., Jr. & Hamre, D. Growth characteristics of chimpanzee coryza agent in tissue cultures. Bact. Proc., 1961, 61, 151.

3.02-07a Bodian, D. & Nathanson, N. Inhibitory effects of passive antibody on virulent poliovirus excretion on immune response in chimpanzees. Bull. Johns Hopkins Hosp., 1960, 107, 143-162.

3.02-25a Hillis, W.D. An outbreak of infectious hepatitis among chimpanzee handlers at a United States Air Force Base. Amer. J. Hyg., 1961, 73, 316-328.

3.02-26a Howe, H.A. Detection of poliovirus in feces of chimpanzees during late convalescence by means of Frcon 113. Proc. Soc. Exptl. Biol. and Med., 1962, 110, 110-113.

3.02-34a Jezierski, A. Destruction of poliovirus in the digestive tract of chimpanzees by means of specific high-titre gamma-globulin. Ann. Soc. Belge Med. Trop., 1960, 49, 169-181.

3.02-43a Osterrieth, P.M. & Deleplanquieliegeois, P. Presence d'anticorps vis-a'-vis des virus transmis par anthropodes chez le chimpanze (Pan troglodites). Comparison de leur etat immunitaire a' celui de l'homme. (Presence of antibodies to the arbor viruses in the chimpanzee (Pan troglodites). Comparison of their immune status with that of man.) Ann. Soc. Belge Med. Trop., 1961, 41, 63-72.

3.02-54a Staff of Communicable Disease Center. Hepatitis surveillance. IV. Chimpanzee-associated infectious hepatitis. Surveillance Reports #15, May 13, 1963.

3.02-58a Tully, Joseph G., Gaines, S., & Tigertt, W.D. Attempts to induce typhoid fever in chimpanzees with non-Ui strains of Salmonella typhosa. Bact. Proc., 1961, 61, 116.

3.02-58b Tully, J.G., Gaines, S., & Tigertt, W.D. Attempts to induce typhoid fever in chimpanzees with non-Vi strains of Salmonella typhosa. J. Infect. Dis., 1962, 110, 47-54.

3.02-58c van den Berghe, L. & Janssen, P. Une maladie nouvelle du chimpanze. (A new disease of the chimpanzee.) Folia Sci. Africae Centralis, 1956, 2, 22.

3.03-00 Experimental Medicine

3.03-10a Coburn, K.R., Craig, P.H., & Beckman, E.L. Effects of positive G on chimpanzees immersed in water. Aerospace Med., 1961, 32, 226.

3.03-10b Deinhardt, F.C., Ghislain, D.P., Osterrieth, P., Ninane, G., Henle, G., & Henle, W. Studies of liver function tests in chimpanzees after inoculation with human infectious hepatitis virus. Amer. J. Hyg., 1962, 75, 311-321.

3.03-12a Firsov, L.A. Izuchenie sledovykh reaktsii u shimpanze pri khronicheskoi bromirovani. (A study of delayed reaction of chimpanzees during chronic bromide administration.) Nauch Soobshcheniya Inst. Fiziol. Nauk, SSR 2, 1959, 127-131, Referat. Zhur., Biol., 1961, No. 3L523 (Translation)

3.03-17b Henry, J.P., Augerson, W.D., Belleville, R.E., Douglas, W.K., Grunzke, M.E., Johnston, R.S., Laughlin, P.C., Mosely, J.D., Rohles, F.H., Voas, R.B., & White, S.C. Effects of weightlessness in ballistic and orbital flight. Aerospace Med., 1962, 33, 1056-1068.

3.03-17c Hillis, W.D. Destruction of chimpanzee kidney cells by sera from patients with acute infectious hepatitis. Proc. Soc. Exptl. Biol. and Med., 1961, 108, 813-816.

3.03-17d Holcomb, G.A. Abrupt impact acceleration stress - do we know man's limitations? Aerospace Med., 1962, 33, 363.

3.03-30a Meek, J.C., Graybiel, A., Beischer, D.E., & Riopelle, A.J. Observations of canal sickness and adaptation in chimpanzees and squirrel monkeys in a slow rotation room. Aerospace Med., 1961, 32, 241.

3.03-30b Meek, J.C., Graybiel, A., Beischer, D.E., & Riopelle, A.J. Observations of canal sickness and adaptation in chimpanzees and squirrel monkeys in a slow rotation room. U.S.N.S.A.M. Res. Rept. Res. Proj. MR005, 13-1001, 59, 1-15, 1961.

3.03-30c Meier, R.M., Greenhoot, J.H., Shorley, E.A., Goodman, J.R., Porter, R.W. Serum cholesterol changes in monkeys induced by restraint. Fed. Proc., 1962, 21, 101.

3.03-46a Porter, R.W. & Rioch, D.M. Visual impairment induced by lesions of the midbrain in the chimpanzee. Anat. Rec., 1962, 142, 321.

3.03-49a Riopelle, A.J. & Daumy, O.J. Care of chimpanzees for radiation studies. Proc. of the International Symposium on Bone Marrow Therapy and Chemical Protection in Irradiated Primates, 1962.

3.03-55a Stapp, J.P. Tolerance to abrupt deceleration. Paper #14, In: Collected papers on aviation medicine. Agardograph No. 6, Butterworth, London, pp. 122-169, 1955.

3.03-55b Stingely, N.E. The physiological responses of chimpanzees to simulated launch and re-entry acceleration. Aeromedical Research Laboratory Technical Documentary Report 62-11, Holloman AFB, New Mexico, 1962.

3.03-55c Stoll, A. M. Effect of positioning in exposure of chimpanzee to 40 transverse G for 60 seconds. Letter rept. no. TED ADC AE-1406 (NM 11 02 12.4), 1957.

3.03-55d Stoll, A. M. Some physiological and pathological effects in chimpanzees exposed to 40 transverse G for 60 seconds. Letter rept. no. TED ADC AE-1406 (NM 11 03 12.4), 1957.

3.03-62a Vanlancku, J. L., Wolf, R. C., & Mowbray, J. B. Protection of primates against lethal doses of X-radiation. Nature, 1962, 194, 429-493.

3.03-62b Vanlancku, J. L., Wolf, R. C., & Mowbray, J. B. The protection of primates against lethal doses of X-radiation. Fed. Proc., 1962, 21, 423.

3.03-62c Von Bekkum, D. W. Bone marrow therapy and chemical protection in irradiated primates. Nature, 1962, 196, 1164-1165.

4.01-00 Experimental Psychobiology

4.01-12a Grunzke, M. E. A liquid dispenser for primates. Jour. Exptl. Anal. Behav., 1961, 4, 326.

4.01-12b Grunzke, M. E. Feeding devices for use with primates in space flight. Air Force Missile Development Center Technical Report 61-35, Holloman AFB, New Mexico, 1961.

4.01-12c Grunzke, M. E. A restraint device for behavioral research with the chimpanzee. Air Force Missile Development Center Technical Documentary Report 61-37, Holloman AFB, New Mexico, 1961.

4.01-28a Rohles, F. H. & Grunzke, M. E. A spatially contiguous stimulus-response apparatus for primates. Air Force Missile Development Center Technical Report 61-32, Holloman AFB, New Mexico, 1961.

4.01-29a Rohles, F.H., Reynolds, H.H., Grunzke, M.E., & Farrer, D.N. A performance schedule for extended space flight with the chimpanzee. Aeromedical Research Laboratory Technical Documentary Report 62-14, Holloman AFB, New Mexico, 1962.

4.01-29b Savoini, C.S., Reed, G.A., & Burnette, H.W. Automatic computer processing of chimpanzee physiological and psychomotor data. Aerospace Med., 1962, 33, 350-351.

4.02-00 Receptive Capacities

4.02-05a Chason, L.R. & Thompson, W.D. A bidirectional gradient of generalized conditioned response based on a visual-spatial dimension in chimpanzees. Aeromedical Research Laboratory Technical Report 63-20, Holloman AFB, New Mexico, 1963.

4.02-38a Smythe, R.H. Animal vision: What animals see. Chas. C. Thomas, 1961.

4.03-00 The Action System

4.03-00a Andrew, R.J. The situations that evoke vocalization in primates. Ann. N.Y. Acad. Sci., 1962, 102, 296-315.

4.03-00b Berkson, G. & Fitz-Gerald, F.L. Eye fixation aspect of attention to visual stimuli in infant chimpanzees. Science, 1963, 139, 586-587.

4.03-00c Bishop, A. Control of the hand in lower primates. Ann. N.Y. Acad. Sci., 1962, 102, 316-337.

4.03-02a Davenport, R.K. & Berkson, G. Stereotyped movements of mental defectives: II. Effects of novel objects. Amer. J. Mental Deficiency, 1963, 67, 879-882.

4.03-02b Davenport, R.K. & Menzel, E.W. Stereotyped behavior of the infant chimpanzee. Arch. Gen. Psychiatry, 1963, 8, 99-104.

4.03-22a Mason, W.A. & Berkson, G. Conditions influencing vocal responsiveness of infant chimpanzees. Science, 1962, 137, 127-128.

4.03-25a Riopelle, A.J. Extreme environments and complex performance of primates. Progress Rept., 1961, 1 Nov 60 - 30 Oct 1961.

4.03-25b Schastnyi, A.I. Onervnykh mekhanizmkh slozhnogo provedeniya chelovekoobraznykh obez yon (Schimpanze). (On the neural mechanisms of complex behavior of anthropoid apes (chimpanzee).) Dokl. Akad. Nauk. SSSR, 1961, 139, 763-766.

4.03-25c van Hooff, J.A.R.A.M. Facial expressions in higher primates. In: Evolutionary aspects of animal communication. Symposia Zool. Soc., London, 1962, 8, 97-125.

4.06-00 Modifiability of Behavior

4.06-05a Clark, F.C. Avoidance conditioning in the chimpanzee. J. Exptl. Anal. Behavior, 1961, 4, 393-395.

4.07-00 Intelligent Behavior (Insight)

4.07-30a Menzel, E.W., Jr. Individual differences in the responsiveness of young chimpanzees to stimulus size and novelty. Perceptual and Motor Skills, 1962, 15, 127-134.

4.07-30b Menzel, E.W., Jr. & Davenport, R.K., Jr. Preference for clear versus distorted viewing in the chimpanzee. Science, 1961, 134, 1531.

4.07-30c Menzel, E.W., Jr., Davenport, R.K., Jr., & Rogers, C.M. The effects of environmental restriction upon the chimpanzee's responsiveness to objects. J. Comp. Physiol. Psych., 1963, 56, 78-85.

4.07-32a Novoselova, S.L. Obrazovanie navyka ispol'zovaniya palki u shimpanze. (Formation of the habit of using a cane in chimpanzees.) Vopr. Antropol., 1960, 2, 31-37. Referat. Zhur. Biol., 1961, No. 11L396 (Translation).

4.07-34a Rohles, F.H., Grunzke, M.E., & Reynolds, H.H. A detailed account of chimpanzee performance during the ballistic and orbital Project Mercury flights. Aeromedical Research Laboratory Technical Documentary Report 62-15, Holloman AFB, New Mexico, 1962.

4.07-34b Rohles, F.H., Grunzke, M.E., & Reynolds, H.H. Chimpanzee performance during the ballistic and orbital Project Mercury flights. J. Comp. Physiol. Psych., 1963, 56, 2-10.

4.07-35a Schusterman, R.J. The use of strategies in the decision-behavior of children, chimpanzees and monkeys. Dissertation Absts, 1961, 22, 1267.

4.07-35b Schusterman, R.J. Transfer effects of successive discrimination-reversal training in chimpanzees. Science, 1962, 137, 422-423.

4.07-35c Schusterman, R.J. The use of strategies in two-choice behavior of children and chimpanzees. J. Comp. Physiol. Psych., 1963, 56, 92-95.

4.08-00 Intelligent Behavior (Ideational)

4.08-00a Bukin, V.P. Isseldovanie sposobnostei shimpanze k vosproizvedeniuy graficheskikh dvizhenii cheloveka. (Investigation of the capacities of the chimpanzee for the reproduction of graphical movements of man.) Vop. Psikhol., 1961, 2, 107-118.

4.08-03a Grunzke, M.E., Rohles, F.H., Belleville, R.E., & Wilson, G.L. Chimpanzee performance on a two-dimensional discrete tracking task. Aeromedical Research Laboratory Technical Documentary Report 62-16, Holloman AFB, New Mexico, 1962.

4.08-05a Menzel, E.W., Jr. & Davenport, R.K., Jr. The effects of stimulus presentation variable upon chimpanzee's selection of food by size. J. Comp. Physiol. Psych., 1962, 55, 235-239.

4.08-15a Treickler, F.R., Horel, J.A., & Meyer, D.R. An assessment of automatically dispensed primate reinforcers. Jour. Exptl. Analysis Behavior, 1962, 5, 537-539.

4.09-00 Intelligent Behavior (mnemonic capacities)

4.09-00a Bernstein, I.S. Response variability and rigidity in the adult chimpanzee. J. Gerontol., 1961, 16, 381-386.

4.09-15a Robinson, J.S. The conceptual basis of the chimpanzee's performance on the sameness-difference discrimination problem. J. Comp. Physiol. Psych., 1960, 53, 368-370.

4.10-00 Reproductive and Social Behavior

4.10-02a Bernstein, I.S. Response to resting materials by wild-born and captive-born chimpanzees. Anat. Rec., 1960, 138, 334.

4.10-02b Bernstein, I.S. Responses to resting materials of wild-born and captive-born chimpanzees. Animal Behaviour, 1962, 10, 1-6.

4.10-07a Bolwig, N. A study of the nests built by mountain gorilla and chimpanzee. S. African J. Sci., 1959, 55, 286-291.

4.10-07b Buettner-Janusch and Andrew, R.J. The use of the incisors by primates in grooming. Amer. J. Phys. Anthropol., 1962, 20, 127-130.

4.10-39a Mason, W.A., Hollis, J.H., & Sharpe, L.G. Differential responses of chimpanzees to social stimulation. J. Comp. Physiol. Psych., 1962, 55, 1105-1110.

4.10-53a Schastnyi, A.I. & Firsov, L.A. A physiological analysis of interrelationships between chimpanzees in a group experiment. Doklody Akad. Nauk SSSR (Biol. Sci. Sect. Transl.), 1962, 141, 1086-1088. Transl. from Koklody Akad. Nauk SSSR, 1961, 141, 1264-1266.

4.10-55a Southwick, C.H. Patterns of intergroup social behavior in primates, with special reference to rhesus and howling monkeys. Ann. N.Y. Acad. Sci., 1962, 102, 436-454.

4.11-00 Miscellaneous

4.11-00a Anonymous. Chimponauts in training. Time, 1963, 77, 68.

4.11-01a Blancou, L. Destruction and protection of the wild life in French Equatorial and French West Africa. V. Primates, African Wildlife, 1961, 15, 29-34.

4.11-01b Bourliere, F. The need for a new conservation policy for wild primates. Ann. N.Y. Acad. Sci., 1962, 102, 185-189.

4.11-02a Graham-Jones, O. Notes on the restraint and anaesthesia of primates. Veterinaarmed, 1962, 14, 76-86.

4.11-02b Hess, T.B. Of chimps and chumps. Art News, 1962, 61, 23.

4.11-02c Kinard, R. & McPherson, C.W. The use of trichloroethylene and halothane anesthesia in the restraint of laboratory primates. Amer. J. Vet. Res., 1960, 21, 385-388.

4.12-00 Observational Psychobiology

4.12-75b Kortlandt, A. Can lessons from the wild improve the lot of captive chimpanzees? Int. Zoo Yearbook, 1960.

4.12-75c Kortlandt, A. Bipedal armed fighting in chimpanzees. Lecture at Symposium on Behavioral Adaptations to Environment of Mammals. XVI Int. Cong. of Zoology, Washington, 1963.

4.12-75d Kortlandt, A. & Kooij, M. Prothominid behavior in primates. Symposia of the Zoological Society of London, No. 10. Primates, 1963 (in press).

4.12-90a Morris, D. Primate's aesthetics. Natur. Hist., 1961, 70, 22-29.

4.12-90b Morris, D. The biology of art. Alfred A. Knopf, 1962, 176 pp.

5.01-00 Phylogeny of the Chimpanzee

5.01-02a Arfors, K.E. & Beckman, L. Phylogenetical and immunological aspects of primates serum transferrins. Hereditas, 1962, 48, 132-137.

5.01-03a Buettner-Janusch, J. A new look at the evolution of the primates. Trans. N.Y. Acad. Sci., 1961, 24, 23-29.

5.01-03b Buettner-Janusch, J. Transferrin differences in chimpanzee sera. Nature, 1961, 192, 632-633.

5.01-03c Buettner-Janusch, J. Antihuman sera and primate erythrocytes. In: Blood groups in infrahuman species. Ann. N.Y. Acad. Sci., 1962, 97, 9-14.

5.01-03d Buettner-Janusch, J. Biochemical genetics of the primates hemoglobins and transferrins. Ann. N.Y. Acad. Sci., 1962, 102, 235-248.

5.01-04a Chuh, E.H.Y. & Bender, M.A. Cytogenetics and evolution of primates. Ann. N.Y. Acad. Sci., 1962, 102, 253-266.

5.01-05a Eyquem, A., Podliachouk, L., & Millot, P. Blood groups in chimpanzees, horses, sheep, pigs, and other mammals. In: Blood groups in infrahuman species. Ann. N.Y. Acad. Sci., 1962, 97, 320-328.

5.01-06a Goodman, M. Immunochemistry of the primates and primate evolution. Ann. N.Y. Acad. Sci., 1962, 102, 219-34.

5.01-06b Goodman, M. Species differences in the distribution of transferrin phenotypes in macaques and other higher primates. Amer. J. Phys. Anthropol., 1962, 20, 68. (Abstract)

5.01-08a Gremyatskii, M.A. Osnovnaya liniya evolyutsii vysshikh primatov v neogene. (The fundamental evolutionary line of the higher primates in the neocene.) Voprosy Antropol., 1961, 7, 3-8. Referat. Zhur. Biol., 1962, No. 7M263 (transl.)

5.01-19a Napier, J.R. The evolution of the higher primates. In F. Goldby and R.J. Harrison, Editors, Recent Advances in Anatomy. 2nd ed., Little Brown and Co., 1962, p. 430-436.

5.01-22a Parker, W.C. & Bearn, A.G. Haptoglobin and transferrin variation in humans and primates: Two new transferrins in Chinese and Japanese populations. Ann. Human Genet., 1961, 25, 227-241.

5.01-23a Picord, J., Heremans, J., & Vanderbroek, G. Serum proteins found in primates. II. Serum proteins of some other primate species. Vox Sanguinis, 1962, 7, 425-488.

5.01-24a Remane, A. Probleme der Systematik der Primaten. (Problems of taxonomy of primates.) Zeitsch. Wiss. Zool., 1961, 165, 1-34.

5.01-25a Simons, E.L. Fossil evidence relating to the early evolution of primate behavior. Ann. N.Y. Acad. Sci., 1962, 102, 282-295.

5.01-25b Simpson, G.G. Primate taxonomy and recent studies of nonhuman primates. Ann. N.Y. Acad. Sci., 1962, 102, 497-514.

5.01-32a Williams, C.A., Jr. Discussion of biochemical and immunochemical approaches to the study of protein evolution in the primates. Ann. N.Y. Acad. Sci., 1962, 102, 249-252.

5.02-00 Institutions for Research and Exhibition

5.02-10a Weaver, K.F. School for space monkeys; Holloman Aeromedical Laboratory, New Mexico. Nat. Geog. Mag., 1961, 724-734.

5.03-00 Chimpanzee Culture and Methodology

5.03-04a Marsboom, R., Mortelmans, J., Vercruysse, & Thienport, D. Effective sedation and anesthesia in gorillas and chimpanzees. 4th international symposium on diseases in zoo-animals. Nordisk Veterinaarmed, 1962, 14, 95-101.

5.03-05a Nesturkh, M.F. Dlitel' nost' zhizni u primatov. (The life span of primates.) Bull. Moskov. Obshchestva Ispytatelei Privody Otdel Biol., 1960, 65, 151. Referot. Zhur. Biol., 1961, No. 81247.

5.03-06a Ormiston, D.W., Rohles, F.H., & Grunzke, M.E. A device for measuring gross motor behavior in primates. U.S.A.F. WADC Technical Report 59-353, 1959.

5.04-00 General Works

5.04-01a Anonymous. Factory monkeyshines. Life, 1960, 49, 89-90.

5.04-01b Anonymous. Happy end for Ham's first flight; from jungles to the lab: the astrochimps. Life, 1961, 50, 18-23.

5.04-01c Anonymous. One-chimp show at Cincinnati zoo. Newsweek, 1961, 58, 27.

5.04-01d Anonymous. Meditative chimponaut. Time, 1961, 78, 5.

5.04-01e Anonymous. Chimps may outdo man. Sci. News Letter, 1961, 80, 390.

5.04-01f Anonymous. Chuckie and his chimp. Santa Monica, Calif., Look, 1961, 25, 68.

5.04-25a Goodman, B.D. The psychological and social problems of man in space: a literature survey. Rept. no. FN-5220, 1961, 67 pp.

THE CHIMPANZEE
A Topical Bibliography

Addenda to Author Index

Adey, W.R. 2.07-00a
Allroggen, L. 3.02-02a
Allroggen, R. 3.02-02a
Andre, A. 2.01-00a
Andrew, R.J. 4.03-00a, 4.10-07b
Anonymous 3.02-03a, 4.11-00a, 5.04-01a, 01b, 01c, 01d,
01e, 01f
Appleby, E.C. 3.02-03b
Arfors, K.E. 5.01-02a
Augerson, W.S. 3.03-17b
Bearn, A.G. 5.01-22a
Becker, W. 3.01-03a
Beckman, E.L. 3.03-10a, 5.01-02a
Beischer, D.E. 3.03-30a, 30b
Belleville, R.E. 3.03-17b, 4.08-03a
Bender, M.A. 5.01-04a
Bennett, C.R., Jr. 3.02-04a
Berkson, G. 4.03-00b, 02a, 22a
Bernstein, I.S. 4.09-00a, 4.10-02a, 02b
Bishop, A. 4.03-00c
Blancou, L. 4.11-01a
Bodian, D. 3.02-07a
Bogo, V. 2.02-03
Bolwig, N. 4.10-07a

Bourliere, F. 4.11-01b
 Bray, R.S. 3.01-12a, 12b
 Brown, C. 2.03-12a
 Buettner-Janusch, J. 2.01-05a, 4.10-07b, 5.01-03a, 03b,
 03c, 03d
 Bukin, W.P. 4.08-00a
 Burnette, H.W. 4.01-29b
 Caraway, B.L. 2.01-09a
 Cave, A.J.E. 2.03-08a
 Chason, L.R. 4.02-05a
 Chuh, E.H.Y. 5.01-04a (Chuh misspelled in first bibliography)
 Clark, F.C. 4.06-05a
 Clark, G. 2.05-20a
 Coburn, K.R. 3.03-10a
 Cook, J.E. 2.01-09a
 Courtois, G. 2.01-00a
 Craig, P.H. 3.03-10a
 Daumy, O.J. 3.03-49a
 Davenport, R.K., Jr. 4.03-02a, 02b, 4.07-30b, 30c, 4.08-05a
 Deinhardt, F.C. 3.03-10b
 Deleplanquieliegeois, P. 3.02-43a
 Dinning, J.S. 2.03-04d
 Douglas, W.K. 3.03-17b
 Dowling, J.T. 2.03-04b
 Edwards, R.H. 2.01-09a
 Edwards, W.E. 2.06-07a, 07b, 07c
 Egerer, R. 3.02-04
 Ellis, R.A. 2.06-07d

Elmadjian, F. 2.03-04c, 04g
 Emerson, G.A. 2.03-04d
 Erikson, L.B. 2.05-31a
 Estrella, P. 3.01-33a
 Eyquem, A. 2.01-20a, 5.01-05a
 Farrer, D.N. 1.38-44a, 2.02-03, 04, 4.01-29a
 Fineg, J. 2.01-68a
 Firsov, L.A. 2.07-18a, 3.03-12a, 4.10-53a
 Fitch, C.D. 2.03-04e, 04f
 Fitz-Gerald, F.L. 4.03-00b
 Forchielli, E. 2.03-04g
 Fraser, G. 3.02-03b
 Gaines, S. 3.02-58a, 58b
 Gavian, J.A. 2.05-20a
 Ghislain, D.P. 3.03-10b
 Goodman, B.D. 5.04-25a
 Goodman, J.R. 3.03-30c
 Goodman, M. 2.01-24a, 5.01-06a, 5.01-06b
 Gopolan, C. 2.03-04h
 Graham-Jones, O. 4.11-02a
 Graybiel, A. 3.03-30a, 30b
 Greenhoot, J.H. 3.03-30c
 Gremyatskii, M.A. 5.01-08a
 Grinker, J.A. 3.01-33a
 Grunzke, M.E. 3.03-17b, 4.01-12a, 12b, 12c, 28a, 29a,
 4.07-34a, 34b, 4.08-03a, 5.03-06a
 Gunders, A.E. 3.01-12b
 Hamre, D. 3.02-04, 04a

Henle, G. 3.03-10b
 Henle, W. 3.03-10b
 Henry, J. P. 3.03-17b
 Heremans, J. 5.01-23a
 Hess, T. B. 4.11-02b
 Hillis, W. D. 3.02-25a, 3.03-17b, 17c
 Hindle, W. H. 2.03-04b
 Hirsch, J. F. 2.07-39a
 Holcomb, G. A. 3.03-17d
 Hollis, J. H. 4.10-39a
 Horel, J. A. 4.08-15a
 Howe, H. A. 3.02-26a
 Hutchinson, D. R. 2.03-04b
 Ingram, V. M. 2.01-29a
 Janssen, P. 3.02-58c
 Jezierski, A. 3.02-34a
 Johnston, R. S. 3.03-17b
 Jones, T. S. 2.03-08a
 Kado, R. T. 2.07-00a
 Kavlin, D. A. 3.01-33a
 Kiesselbach, A. 1.25-21a
 Kinard, R. 4.11-02c
 Kluman, C. R. 2.03-04b
 Kooij, M. 4.12-75d
 Kortlandt, A. 4.12-75b, 75c, 75d
 Lahde, G. 3.01-03a
 Larsell, O. 1.29-36a
 Laughlin, P. C. 3.03-17b

Lennes, G. 2.01-00a
 Liebegott, G. 3.01-41a
 Marsboom, R. 5.03-04a
 Mason, W.A. 4.03-22a, 4.10-39a
 Meek, J.C. 3.03-30a, 30b
 Meier, R.M. 3.03-30c
 Menzel, E.W., Jr. 4.03-02b, 4.07-30a, 30b, 30c, 4.08-05a
 Meyer, D.R. 4.08-15a
 Millot, P. 5.01-05a
 Montagna, W. 2.06-07d
 Moor-Jankowski, J. 2.01-76b
 Morris, D. 4.12-90a, 90b
 Mortelmans, J. 5.03-04a
 Moskowitz, N. 1.29-42b
 Mosely, J.D. 3.03-17b (Mosely misspelled in first author
 index)
 Mowbray, J.B. 3.03-62a, 62b
 McPherson, C.W. 4.11-02c
 Napier, J.R. 1.21-18a, 5.01-19a
 Nathanson, N. 3.02-07a
 Nesturkh, M.F. 5.03-05a
 Ninane, G. 2.01-00a, 3.03-10b
 Noback, C.R. 1.29-42a, 42b
 Novoselova, S.L. 4.07-32a
 Oehme, M. 3.02-04
 Ormiston, D.W. 5.03-06a
 Osterrieth, P.M. 2.01-00a, 3.02-43a, 3.03-10b
 Parker, W.C. 5.01-22a

Picord, J. 5.01-23a
 Podliachouk, L. 5.01-05a
 Polyakov, G.I. 1.36-02a
 Porter, R.W. 3.03-30c, 46a
 Portman, O.W. 2.03-08b
 Reed, G.A. 4.01-29b
 Remane, A. 5.01-24a
 Reynolds, H.H. 2.02-04, 2.03-12a, 4.01-29a, 4.07-34a,
 34b
 Rhodes, J.M. 2.07-00a
 Rioch, D.M. 3.03-46a
 Riopelle, A.J. 2.01-24a, 3.03-30a, 30b, 49a, 4.03-25a
 Robinson, J.S. 4.09-15a
 Rogers, C.M. 4.07-30c
 Rohen, J.W. 1.38-35a
 Rohles, F.H., Jr. 2.03-12a, 3.03-17b, 4.01-28a, 29a, 4.07-34a,
 34b, 4.08-03a, 5.03-06a
 Savoini, C.S. 4.01-29b
 Schastnyi, A.I. 4.03-25b, 4.10-53a
 Scherchenko, Y.G. 1.29-51a
 Schultz, A.H. 1.16-15a, 1.17-14a
 Schusterman, R.J. 4.07-35a, 35b, 35c
 Sharpe, L.G. 4.10-39a
 Shorley, E.A. 3.03-30c
 Simons, E.L. 5.01-25a
 Simpson, G.G. 5.01-25b
 Smythe, R.H. 4.02-38a
 Southwick, C.H. 4.10-55a

Staff of Communicable Disease Center 3.02-54a
 Stam, A. B. 3.01-72a
 Stapp, J. P. 3.03-55a
 Steiner, H. 1.25-21a
 Stingely, N. E. 3.03-55b
 Stoll, A. M. 3.03-55c, 55d
 Thienport, D. 5.03-04a
 Thompson, W. D. 4.02-05a
 Tigertt, W. D. 3.02-58a, 58b
 Treickler, F. R. 4.08-15a
 Tully, J. G. 3.02-58a, 58b
 Twichell, J. B. 2.01-05a
 Vanderbroek, G. 5.01-23a
 van den Berghe, L. 3.02-58c (spelled von den Berghe in
 first bibliography)
 van Hooff, J. A. R. A. M. 4.03-25c
 Vanlancku, J. L. 3.03-62a, 62b
 Vercruysse 5.03-04a
 Voas, R. B. 3.03-17b
 Von Bekkum, D. W. 3.03-62c
 Warren, J. U. 2.01-68a
 Weaver, K. F. 5.02-10a
 Weissler, A. M. 2.01-68a
 White, S. C. 3.03-17b
 Wiener, A. S. 2.01-76b
 Williams, C. A., Jr. 5.01-32a
 Wilson, G. L. 4.08-03a
 Winkelmann, R. K. 1.38-42a

Wolf, R.C. 3.03-62a, 62b

Wright, F.H. 3.02-04

Young, F.A. 1.38-44a