

**von den Temperamenten.** Berlin: Springer, 1921.  
192 pp.

There is an English translation by W. J. H. Sprott, **Physique and Character: An Investigation of the Nature of Constitution and of the Theory of Temperament** (New York: Humanities Press, 1951; 282 pp.). Kretschmer (1888-1964) was a German psychologist who created an influential, but still controversial theory correlating character with body types.

4817. PERKINS, MURIEL WILSON. "Female Homosexuality and Body Build," **Archives of Sexual Behavior**, 10 (1981), 337-45.

Data show lesbians as having narrower hips, increased arm and leg girths, less subcutaneous fat, and more muscle than heterosexual women. However, "psychologically passive" lesbians most closely approach the physiques of control groups.

4818. SCHLEGEL, WILLHART SIEGMAR. "Die konstitutionsbiologischen Grundlagen der Homosexualität," **Zeitschrift für menschliche Vererbungs- und Konstitutionslehre**, 36 (1961-62), 341-64.

Believes that body types, esp. in the pelvic region, play a large role in determining the sexual orientation of males.

4819. WEIL, ARTHUR. "Körpermasse der Homosexuellen als Ausdrucksform ihrer speziellen Konstitution," **Archiv für Entwicklungsmechanik der Organismen**, 49 (1921), 538-44.

Argues that the body build of homosexuals is intermediate between the normal male and the normal female body build. First of a series of such articles by Weil--a former associate of Magnus Hirschfeld--in various German periodicals.

4820. WORTIS, JOSEPH. "A Note on the Body Build of the Male Homosexual," **American Journal of Psychiatry**, 93 (1937), 1121-25.

Most homosexuals [at that time] preferred to think of their anomaly as anchored in their constitution, but the actual evidence for constant or typical intersexual traits among male homosexuals is wanting.

#### E. ANIMAL HOMOSEXUALITY

Since classical antiquity the question of homosexual behavior among animals has been much discussed. Those who denied that animals engage in it generally regarded this lack as a confirmation of their assumption that homosexuality was "unnatural." Recent zoological studies have provided abundant evidence for same-sex behavior among

animals, not only in captivity, but also in the wild. In some discussions, however, as when opposite-sex mimicry is termed "transvestism," researchers seem to have yielded to a seductive, but deceptive anthropomorphism. Also, since the decline of such reductionist fashions as "rat psychology," the scientific community has become sceptical of research programs that derive complex human behaviors from simple animal models. The question of animal homosexuality is therefore not a simple one.

4821. ABELE, LAURENCE G. and SANDRA GILCHRIST. "Homosexual Rape and Sexual Selection in Acanthocephalan Worms," **Science**, 197 (1977), 81-83.

"Homosexual rape" occurs when an assailant seals the male victim's genital region with cement, so that the worm is effectively removed from the reproductive pool.

4822. AKERS, JEAN S., and CLINTON H. CONAWAY. "Female Sexual Behavior in *Macaca mulatta*," **Archives of Sexual Behavior**, 8 (1979), 63-80.

Documents homosexual activity among adult females in a heterosexual group of rhesus monkeys, which seemed to be linked with affection and not with aggression. See also: C. R. Carpenter, "Sexual Behavior of Free Ranging Rhesus Monkeys (*Macaca mulatta*). II. Periodicity of Estrus, Homosexual, Autoerotic, and Non-Conformist Behavior," **Journal of Comparative Psychology**, 33 (1942), 143-62.

4823. ALLEN, JOHN A., and ROBERT BOICE. "Effects of Rearing on Homosexual Behavior in the Male Laboratory Rat," **Psychonomic Science**, 23 (1971), 321-22.

Male interlopers introduced into the individual cages of adults elicited mounting and thrusting in isolates.

4824. ARONSON, L. R. "The Sexual Behavior of Anura," **Natural History**, 6 (1944), 1-15.

Mechanisms of sexual contact among frogs and toads.

4825. BEACH, FRANK A. "Animal Models for Human Sexuality," in: **Sex Hormones and Behavior** (Ciba Foundation Symposium, new series, 62). Amsterdam: Excerpta Medica, 1979, pp. 113-43.

Points out that while the existence of homosexual behavior in nonhuman primates is known, the reasons why it is initiated are obscure. Beach offers some suggestions for clarifying this problem.

4826. BETZ, H. D. "Lukian von Samosata und das Neue Testament," **Theologische Untersuchungen**, 76 (1961), 199-201.

Includes discussion of the claim, found in Lucian's "Gryllos" (second century of our era), that homosexual behavior is not found among animals.

4827. BUFFON, GEORGES LOUIS LECLEQC, COUNT DE. **Histoire**

**naturelle générale et particulière avec la description du Cabinet du Roi.** Paris: 1749-67. 15 vols.

This epochal work fostered much comparative and developmental work in biology. More specifically, Buffon reported observations of same-sex behavior among birds.

4828. CELLI, GIORGIO. **L'omosessualità negli animali: l'omosessualità come strumento naturale di difesa contro la sovrappopolazione.** Milan: Longanesi, 1973. 170 pp.

One of the few works of synthesis in this field, organized around the idea that homosexuality functions among animals as a device to limit population growth. See also: Pietro Ghisleni, "Pervertimenti omosessuali negli animali domestici: proctiti da coito contra natura," **Nuovo Ercolani** (Turin), 22 (1917), 303-09.

4829. CHEVALIER-SKOLNIKOFF, SUZANNE. "Male-Female, Female-Female, and Male-Male Sexual Behavior in the Stumptail Monkey, with Special Attention to the Female Orgasm," **Archives of Sexual Behavior**, 3 (1974), 95-116.

In a laboratory setting, homosexual encounters were numerous and always involved sexual inversions (i.e. the assumption of the coital role assumed by the opposite sex). Orgasms were observed in females during the homosexual interactions. See also her: "Homosexual Behavior in Laboratory of Stumptail Monkeys (**Macaca arctoides**): Forms, Contexts, and Possible Social Functions," *ibid.*, 5 (1976), 511-27.

4830. COOK, ROBERT. "'Lesbian' Phenotype of **Drosophila melanogaster**?" **Nature**, 254 (1975), 241-42.

Reports the existence of a behavioral phenotype of this fly directing rudimentary male courtship behavior towards other females and toward males.

4831. DENNISTON, R. H. "Ambisexuality in Animals," in: Judd Marmor (ed.), **Homosexual Behavior: A Modern Reappraisal.** New York: Basic Books, 1980, pp. 25-40.

Shows homosexual behavior in a range of animal species. Suggests that conditioning, rather than hormones or structure, is of primary importance.

4832. EBERHARD, WILLIAM G. **Sexual Selection and Animal Genitalia.** Cambridge, MA: Harvard University Press, 1986. 244 pp.

A pathfinding biological study of considerable indirect relevance because of its critique of the "lock and key" notion of the perfect complementarity of male and female genitalia, an important component of the ideology of the "naturalness" of heterosexuality.

4833. ECKHOLM, ERIK. "Male Snakes Find Advantage in Appearing Female," **New York Times** (July 23, 1985),

- C1, 3.  
 Studies of red-sided garter snakes in Canada show that about 1/7 of them are able to mimic being female by exuding pheromones, and thus increase their chances of copulating with true females.
4834. EDWARDS, GEORGE. **Gleanings of Natural History.** London: Royal College of Physicians, 1758-64. 3 vols.  
 Includes observations by the British ornithologist (1694-1773) on same-sex behavior among birds (pp. xxi-xxiv). Text in English and French in parallel columns.
4835. FISCHER, ROBERT B., and RONALD D. NADLER. "Affiliative, Playful, and Homosexual Interactions of Adult Female Lowland Gorillas," **Primates**, 19 (1978), 657-64.  
 Sexual interactions in four wild-born adult female gorillas included partner positioning and thrusting and usually were accomplished through ventral-ventral genital approximations.
4836. GADEAU DE KERVILLE, HENRI. **Observations relatives a ma note intitulée "Perversion sexuelle chez des coléoptères mâles."** Rouen: J. Lecerf, 1896. 12 pp.  
 The author recognizes "pederastie de gout," or preferential homosexuality among insects. This brochure was reprinted from **Bulletin de la Société entomologique de France** (1896).
4837. GADPAILLE, WARREN J. "Cross-Species and Cross-Cultural Contributions to Understanding Homosexuality," **Archives of General Psychology**, 37 (1980), 349-56.  
 Contends that Homo sapiens is the only species, however, in which adult preferential or obligatory homosexuality occurs naturally.
4838. GEIST, VALERIUS. **Mountain Sheep: A Study in Behavior and Evolution.** Chicago: University of Chicago Press, 1971. 383 pp.  
 This study by an authority in the field includes data on observation of male-male sexual mounting in wild sheep. See also his: **Mountain Sheep and Man in the Northern Wilds** (Ithaca, NY: Cornell University Press, 1975; 248 pp.).
4839. GROLLET and L. LEPINAY. "L'inversion sexuelle chez les animaux," **Revue de l'hypnotisme**, 23 (1908), 34-37.  
 On same-sex relations in male apes, bitches, and cows. Asserts that only occasional, not true homosexuality occurs in animals.
4840. GROOS, KARL. **Die Spiele der Tiere.** Jena: G. Fischer, 1896. 359 pp.

Deals primarily with animal play, but summarizes related studies.

4841. GUHL, A. M. "Unisexual Mating in a Flock of Wild Leghorn Hens," **Transactions of the Kansas Academy of Science**, 5 (1948), 107-11.

Socially high status hens took the male role, but without crowing or waltzing. See also his: "Social Behavior of the Domestic Fowl," **Technical Bulletin of the Agricultural Experiment Station**, 73 (1953), 1-48; as well as: E. B. Hale, "Defects in Sexual Behavior as Factors Affecting Fertility in Turkeys," **Poultry Science**, 34 (1955), 1059-67.

4842. HORAPOLLO. **Hieroglyphica**. Greek text edited by Conradus Leemans. Amsterdam: J. Muller, 1835. 446 pp.

In this work, influential in the Renaissance, by an obscure Egyptian savant who lived possibly in the 5th century of our era, see II, 69 (pp. 88-89), and 95 (p. 101), on the hyena and the two partridges as homosexual. The English version, by George Boas (New York: Pantheon, 1950), is inadequately annotated. There is a related work by the Renaissance scholar Valeriano.

4843. HÜNEMÖRDER, CHRISTIAN. "Studien zur Wirkungsgeschichte biologischer Motive in den pseudo-Klementinen," **Medizinhistorisches Journal**, 13 (1978), 15-28.

On the Early Christian folklore of the hare and hyena as sexually aberrant creatures (pp. 17-20).

4844. HUNT, G. L., and M. W. HUNT. "Female Pairing in Western Gulls (*Larus occidentalis*) in Southern California," **Science**, 196 (1977), 1466-67.

Widely publicized research on female pairings during nesting.

4845. KARSCH-HAACK, FERDINAND. "Pederastie und Tribadie bei den Tieren auf Grund der Literatur," **JFsZ**, 2 (1900), 126-60.

Surveys Greco-Roman theorizing on homosexual behavior in animals; then presents studies by modern biologists. Still a useful literature review. See, however, two more recent general studies in German: Monika Meyer-Holzappel, "Homosexualität bei Tieren," **Praxis** (Bern), 5 (1961), 1266-72; and Friedrich Schutz, "Homosexualität bei Tieren," **Studium generale** 19 (1966), 273-85.

4846. KEVLES, BETTYANN. **Females of the Species**. Cambridge, MA: Harvard University Press, 1986. 270 pp.

This evolutionary synthesis concentrating on female animals contains some observations on both male and female homosexuality.

4847. LABOULMÈNE, ALEXANDRE. "Examen anatomique de deux *Melolontha vulgaris* trouvés accouplés et paraissant du sexe mâle," **Annales de la Société Entomologique de France** (1859), 567-70.  
Observations of the coupling of two male insects.
4848. MCBRIDE, A. F., and D. O. HEBB. "Behavior of the Captive Bottle-Nose Dolphin," **Journal of Comparative and Physiological Psychology**, 41 (1948), 111-23.  
Observed two kinds of homosexual activity among the larger male dolphins: external masturbation on the bodies of smaller males, and attempts at intromission.
4849. MCROBERT, SCOTT, and LAURIE TOMPKINS. "Courtship of Young Males is Ubiquitous in *Drosophila melanogaster*," **Behavior Genetics**, 13 (1983A), 517--23.  
In this fly, young males that were only a few hours old stimulated courtship that was indistinguishable from that elicited by virgin females.
4850. MAPLE, TERRY, et al. "Dominance-Related Ambisexuality in Two Male Rhesus Monkeys (*Macaca mulatta*)," **Journal of Biological Psychology**, 19 (1977), 25-28.  
Homosexual behavior was repeatedly observed in two young male rhesus monkeys raised with two older female baboons.
4851. MORRIS, DESMOND. "Homosexuality in the Ten-Spined Stickleback," **Behaviorism**, 4:4 (1952), 233-61.  
Male sexual behavior in experiments in crowding with fish. See also his: "Reproductive Behavior in the Zebra Finch with Special Reference to Pseudo-Female Behavior and Displacement Activities," *ibid.*, 6 (1954), 271-322; and "The Causation of Pseudo-Female and Pseudo-Male Behavior: A Further Comment," *ibid.*, 8 (1955), 45-56.
4852. NOBLE, RALPH G. "Male Hamsters Display Female Sexual Responses," **Hormones and Behavior**, 12 (1979), 293-98.  
Compared to the commonly studied mammalian species, the male hamster is highly bisexual. However, more intense stimulation is required to elicit the lordosis response in contrast with females.
4853. PRESCOTT, R. G. W. "Mounting Behaviour in the Female Cat," **Nature**, 228 (December 12, 1970), 1106-07.  
Among female cats mounting behavior occurs at oestrus and is directed preferentially toward other oestrous cats.
4854. RASMUSSEN, E. WULFF. "Experimental Homosexual Behavior in Male Albino Rats," **Acta Psychologica**, 11 (1955), 303-34.  
An attempt to obtain data through conditioning rats that would help to understand human homosexual behavior.

4855. SHARMA, R. P. "Light-Dependent Homosexual Activity in Males of a Mutant of *Drosophila melanogaster*," **Experientia**, 33 (1977), 171-73.

Cytogenetic and behavioral studies on an x-ray induced mutant of the fly *Drosophila melanogaster* revealed light-dependent homosexual activity in the males of the mutant.

4856. THOR, D. H. "Reciprocal Homosexual Mounting Behavior in Paired Anosmic Male Rats," **Psychological Reports**, 47 (1980), 349-50.

Four isolate male rats when paired with anosmia treatment with InSO<sub>4</sub> engaged in repeated copulatory mounts with three partners.

4857. WARD, INGEBORG L. "Prenatal Stress Feminizes and Demasculinizes the Behavior of Males," **Science**, 175 (1972), 82-84.

Prenatally stressed rats showed low levels of male copulatory behavior and high rates of female lordotic response.

4858. WEINRICH, JAMES D. "Is Homosexuality Biologically Normal?" in: William Paul (ed.), **Homosexuality: Social, Psychological and Biological Issues**. Beverly Hills, CA: Sage, 1982, pp. 197-208.

Discusses homosexual behavior in animals, pointing out that it is important to differentiate studies which have been made in animals in the wild from those derived from laboratory situations, where behavior patterns may be modified significantly (and deliberately). Also examines the concept of the natural in its biological and general contexts.

