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Li Zhen (1988) Chinese Goldfish. Teichfischer (1994) Goldfische in aller Welt; 4 Modern Goldfish Varieties; The Common Goldfish; The Comet; The Shubunkin; The Wakin; The Jikin; The Fantail; The Ryukin; The Tosakin; The Veiltail; The Telescope; The Celestial; The Bubble-eye; The Pompon; The Pearlscale; The Oranda; The Ranchu-Lionhead Group; Concluding remarks; 5 The Aesthetic Appreciation of Goldfish; The Common Goldfish standard; The Comet standard; (Colour plate section falls between pages 118 and 119); The Shubunkin standard; The Fantail standard; The Jikin standard; The Fringetail standard; The Ryukin standard; The Veiltail standard; The Tosakin standard; The Pearlscale standard; The Pompon standard; The Telescope-eye standards; The Celestial standard; The Bubble-eye standard; The Oranda standards; The Lionhead standards; Goldfish aesthetics and standards ... some conclusions; Condition and deportment; Goldfish appreciation ... a postscript; 6 Basic Genetic Principles for Goldfish Breeders; The chromosome theory of heredity; Mendelian inheritance; Linkage; Polyploidy; Developmental aspects; Quantitative genetics; Population genetics; Breeding strategy; 7 The Genetics of Goldfish Variety Evolution; The xanthic mutation; The twin-tail mutation; Fins ... size and shape; General coloration; Eye mutants; Hypertrophies of the head; Scale types; The out-turned operculum; Body conformation; Evolutionary genetics of goldfish ... some conclusions; Evolution of the goldfish ... a genealogy; 8 Genetics and Goldfish Improvement; Manipulation of dominance relationships between alleles at a genetic locus; Biotechnology and its actual and potential significance; Population aspects; Envoi; Glossary; Bibliography; Index

Sommario/riassunto

The goldfish, *Carassius auratus*, a member of the Carp family, Cyprinidae, has been domesticated for many hundreds of years, as a food fish, a laboratory animal and now most important commercially, for ornamental and aesthetic purposes. There are now many scores of recognised varieties, which have been produced over time by selection processes and other methods described in detail in this stimulating book. *Goldfish Varieties and Genetics* covers all major aspects relating to goldfish breeding and genetics in a readable and user-friendly style. An account is presented of the domestica
