
Bibliography

A bibliography of black rhinoceros *Diceros bicornis* (Linnaeus, 1758) and white rhinoceros *Ceratotherium simum* (Burchell, 1817) for southern Africa

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A general bibliography of reference material relevant to wildlife managers and researchers involved in the conservation of black and white rhinoceros in southern Africa is provided. It includes both key word and full reference listings.

Key words: Bibliography, rhinoceros, *Diceros bicornis*, *Ceratotherium simum*.

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Introduction

This bibliography is intended to assist wildlife managers and researchers to locate references relevant to their work with black rhinoceros (*Diceros bicornis* Linnaeus, 1758) and white rhinoceros (*Ceratotherium simum* Burchell, 1817). In keeping with the aims of the Rhino Workshop of September 1988, organised by the Rhino and Elephant Foundation and the Game Ranger's Association of Africa, the bibliography concentrates on references relating to the conservation of rhinoceros populations in southern Africa.

The emphasis is on material of present-day interest with a minimal number of articles on the historical occurrence of black and white rhinoceros. References from work done in other areas (e.g. breeding records in international zoological gardens and management strategies for small rhinoceros populations in East Africa) have been included if they are relevant to rhinoceros conservation in southern Africa.

Sources

A broad range of sources were reviewed and the selection includes general books, theses, internal reports of conservation agencies, other bibliographies, and papers and articles in scientific journals and natural history magazines. Contributions were also submitted by several authorities on rhinoceros research and management.

Arrangement

References to black and white rhinoceros were arranged under separate headings and appear in full, in alphabetical order of authors at the end of the bibliography.

Key words were assigned to many of the references after scanning the articles. Others were assigned according to information in the title and for these, the key word list may be incomplete. The 37 key word listings have also been arranged according to species and are cited by author and date.

Any references falling under the key word headings "distribution" and "status" have also been placed under the appropriate geographical heading. These geographical key word headings (Angola, Cape Province, etc.) refer only to distribution and status records for those areas.

References on horn and poaching relate specifically to the African rhinoceros species while the trade section contains material of a more general nature.

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Tanzania

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Zaire

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Age and dentition

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Anatomy

Alexander, A. and Player, I.C., 1965; Aumonier, F.J. and Cave, A.J.E., 1960; Bigalke, R. *et al.*, 1950; Cave, A.J.E., 1958, 1959, 1962, 1966, 1969, 1979, 1982, 1987; Cave, A.J.E. and Allbrook, D.B., 1958, 1959; Cave, A.J.E. and Aumonier, F.J., 1964a, 1964b; Grassé, P., 1955; Groves, C.P., 1972, 1975; Kubiak, H. and Dziurdzik, B., 1972; Loose, H., 1975; Owen-Smith, R.N., 1973; Player, I.C. and Feely, J.M., 1960.

Angola

Ansell, W.F.H., 1959.

Behaviour

Anon., 1968a; Asdell, S.A., 1964; Babault, G., 1949; Backhaus, D., 1964; Best, A.A. and Raw, W.G., 1975; Bigalke, R. *et al.*, 1950; Burton, M., 1962; Condy, P., 1973; Dales, D.H., 1966; Deane, N.N., 1960; Dittrich, L., 1971; Dorst, J. and Dandelot, P., 1970; Eriksen, E., 1977; Foster, J.B., 1967; Foster, W.E., 1960; Frädriich, H. and Frädriich, J., 1973; Groves, C.P., 1972; Guggisberg, C.A.W., 1966; Haltenorth, T. and Trense, W., 1956; Haltenorth, T. *et al.*, 1979; Heppes, J.B., 1958a, 1958b; Hickman, G.C., 1979; Hutchinson, G.E. and Ripley, S.D., 1954; Ionides, C.J.P., 1953; Jeannin, A., 1951; Jones, D.M., 1979; Kingdon, J., 1979; Lang, H., 1923; Laurie, W.A., 1982; Letley, O.P., 1962; Leuthold, W., 1977; Micha, M., 1958; Moehlman, P.D., 1985; Natal Parks Board, 1952, 1953; Nelson, L., 1978; O'Connor, S.M., 1982, 1986; Owen, T.R.H., 1956; Owen-Smith, R.N., 1971, 1972a, 1972b, 1972c, 1973, 1974a, 1974b, 1975; Pitman, C.R.S., 1956; Player, I.C., 1972; Player, I.C. and Feely, J.M., 1960; Potter, H.B., 1947, 1949; Rawlins, C.G.C., 1979; Richards, D., 1972; Schaurte, W.T., 1969; Schenkel, R. and Lang, E.M., 1969; Schutte, G.W., 1970; Skead, C.J., 1971; Smith, L.J., 1968; Steele, N., 1960, 1969; Stevenson-Hamilton, J., 1950; Stewart, J., 1971; Underwood, R., 1982; van den Bergh, W., 1955; Vincent, J., 1969a; Wilson, V.J., 1969.

Botswana

Ansell, W.F.H., 1959.

Cape Province

Skead, C.J., 1980.

Capture

Anon., 1968; Condy, J.B. and Davison, E., 1964; Davison, E. and Condy, J.B., 1963; Harthoorn, A.M., 1962a, 1962b, 1970, 1976; Harthoorn, A.M. and Player, I.C., 1964; Jacobi, E.F., 1970; Keep, M.E., 1968, 1973b; Savidge, J., 1961, 1965, Spinage, C.A. and Fairrie, R.D., 1966.

Distribution

Anon., 1965; Ansell, W.F.H., 1959, 1967; Babault, G., 1949; Bothma, J. du P., 1975; Brand, D.J., 1964; Brooks, A.C., 1959; Curry-Lindahl, K., 1972; Edroma, E.L., 1982; Endangered Wildlife Trust, 1984; Fitter, R., 1974; Fosbrooke, H., 1975; Foster, J.B., 1967; Groves, C.P., 1972; Guggisberg, C.A.W., 1966; Haltenorth, T. and Trense, W., 1956; Heppes, J.B., 1958b; Herbert, H.J. and Austen, B., 1972; Hillman, K., 1980a, 1980b, 1981; Hillman-Smith, K. *et al.*, 1986; Jeannin, A., 1951; Kingdon, J., 1979; Klingel, H., 1979; Owen-Smith, R.N., 1973; Pienaar, U.de V., 1970; Player, I.C., 1972; Player, I.C. and Feely, J.M., 1960; Roth, H.H., 1967; Sidney, J., 1965; Skead, C.J., 1980; Smithers, R.H.N., 1983; Spinage, C.A., 1986; Thornback, L.J., 1981; Tomlinson, D.N.S., 1977; van Bruggen, A.C., 1965; Vincent, J., 1962.

Ecology

Anon., 1951, 1965b, 1967, 1968a, 1968d; Asdell, S.A., 1964; Babault, G., 1949; Backhaus, D., 1964; Baker, M.K. and Keep, M.E., 1970; Benzoni, B., 1947; Best, A.A. and Raw, W.G., 1975; Bigalke, R. *et al.*, 1950; Bigalke, R. *et al.*, 1970; Bourlière, F., 1965; Burton, M., 1962; Condy, J.B. *et al.*, 1963; Condy, P., 1973; Conway, A.J. and Goodman, P.S., 1989; Dales, D.H., 1966; de St. Croix, O.H., 1962; Deane, N.N., 1960; Dorst, J. and Dandelot, P., 1970; du Toit, R.F. *et al.*, 1987; Eriksen, E., 1977; Fairall, N., 1968; Feely, J.M., 1962; Foster, J.B., 1967; Foster, W.E., 1960; Frädriich, H. and Frädriich, J., 1973; Groves, C.P., 1972; Guggisberg, C.A.W., 1966; Haltenorth, T. and Trense, W., 1956; Haltenorth, T. *et al.*, 1979; Henkel, J.S., 1937; Heppes, J.B., 1958a, 1958b; Hickman, G.C., 1979; Hill, C.A., 1973a, 1973b; Hutchinson, G.E. and Ripley, S.D., 1954; Ionides, C.J.P., 1953; Jarman, P.J., 1971; Jeannin, A., 1951; Jones, D.M., 1979; Keep, M.E., 1970; Kingdon, J., 1979; Klös, H. and Frese, R., 1981; Lang, E.M., 1976; Lang, H., 1923; Laurie, W.A., 1982; Letley, O.P., 1962; Leuthold, W., 1977; Mentis, M.T., 1970, 1972; Micha, M., 1958; Moehlman, P.D., 1985; Neitz, W.O., 1965; Nelson, L., 1978; O'Connor, S.M., 1982, 1986; Owen, T.R.H., 1956; Owen-Smith, R.N., 1971, 1972a, 1972b, 1972c, 1973, 1974a, 1974b, 1975, 1988; Pitman, C.R.S., 1956; Player, I.C., 1972; Player, I.C. and Feely, J.M., 1960; Potter, H.B., 1947, 1949; Rawlins, C.G.C., 1979; Ripley, S.D., 1958; Roth, H.H., 1967, 1968; Schaurte, W.T., 1969; Schenkel, R. and Lang, E.M., 1969; Schutte, G.W., 1970; Silberman, M.S. and Fulton

R.B., 1979; Smith, L.J., 1968; Smithers, R.H.N., 1983; Steele, N., 1960, 1969; Stevenson-Hamilton, J., 1950; Stewart, J., 1971; Stott, K.W., 1963; Stutterheim, C.J., 1980; Taylor, R.D., 1986; Underwood, R., 1982; van den Bergh, W., 1952, 1955, 1958; Vaughan-Kirby, F., 1920; Vincent, J., 1969a; Wallach, J.D., 1969; Wilson, V.J., 1969; Zumpt, F., 1962, 1964.

Genetics

du Toit, R. *et al.*, 1987; Groves, C.P., 1972; Heinichen, I.G., 1967, 1969, 1970.

Growth

Anon., 1968b; Bigalke, R., 1947; Bigalke, R. *et al.*, 1950; Dittrich, L., 1971, 1972; Frädriich, H. and Frädriich, J., 1973; Owen-Smith, R.N., 1973; Player, I.C., 1967; Player, I.C. and Feely, J.M., 1960; Roney, E.E., 1972; Schaurte, W.T., 1969; Wallach, J.D., 1969; Wilson, V.J., 1969.

Horn

Best, A.A. and Raw, W.G., 1975; Bigalke, R. *et al.*, 1950; Cooke, H.B.S., 1950; Foster, W.E., 1960; Groves, C.P., 1971; Guggisberg, C.A.W., 1966; Haltenorth, T. and Trense, W., 1956; Hediger, H., 1970; Jeannin, A., 1951; Klös, H., 1969; Lynch, L.J. *et al.*, 1973. (See Black Rhinoceros Keyword List for additional references under this heading).

Immobilisation

Anon., 1964, 1968; Condy, J.B. and Davison, E., 1964; Condy, J.B. *et al.*, 1963; Harthoorn, A.M., 1962a, 1962b, 1962c, 1965, 1966, 1968, 1970, 1976; Harthoorn, A.M. and Player, I.C., 1964; Jacobi, E.F., 1970; Keep, M.E., 1968, 1971a, 1972, 1973a, 1973b; Lang, E.M., 1976; Nelson, L., 1978; Owen-Smith, R.N., 1973; Pienaar, U. de V. *et al.*, 1966; Player, I.C. 1967, 1972; Rochat, K. and Steele, N., 1968; Savidge, J., 1965; Spinage, C.A. and Fairrie, R.D., 1966; Steele, N., 1969; Vincent, J., 1968, 1969a, 1969b, 1970a, 1970b, 1971; Wallach, J.D., 1966.

Management

Conway, A.J. and Goodman, P.S., 1989; du Toit, R.F. *et al.*, 1987; Edroma, E.L., 1982; Endangered Wildlife Trust, 1984; Hillman-Smith, K. *et al.*, 1986; Keep, M.E., 1971b; Kluge, E., 1950; Mackie, C., 1984; O'Connor, S.M., 1986; Owen-Smith, N., 1980; Vincent, J. and Geddes-Page, J., 1983.

Morphology

Anon., 1953; Alexander, A. and Player, I.C., 1965; Best, A.A. and Raw, W.G., 1975; Bigalke, R., 1950; Bigalke, R. *et al.*, 1950; Borchers, P.B., 1979; Bourgoïn, P., 1955; Burton, M., 1962; Crandall, L.S., 1968; Dorst, J. and Dandelot, P., 1970; Foster, W.E., 1960; Grassé, P., 1955; Groves, C.P., 1972, 1975; Guérin, C., 1980; Guggisberg, C.A.W., 1966; Haltenorth, T. *et al.*, 1979; Heppes, J.B., 1958a, 1958b; Ionides, C.J.P., 1953; Jeannin, A., 1951; Loose, H., 1975; Lynch, L.J. *et al.*, 1973; Mentis, M.T., 1970; Owen-Smith, R.N., 1973; Player, I.C., 1967, 1972; Player, I.C. and Feely, J.M., 1960; Schaurte, W.T., 1969; Schomber, H.W., 1963; Silberman, M.S. and Fulton, R.B., 1979.

Natal

Endangered Wildlife Trust, 1984; Natal Parks Board, 1952; Vincent, J., 1962.

Physiology

Allbrook, D.B. *et al.*, 1958; Groves, C.P., 1972; Hiley, P.G., 1977; Jones, D.M., 1979; Nelson, L., 1978; Osterhoff, D.R. and Keep, M.E., 1970; Osterhoff, D.R. *et al.*, 1972; Owen-Smith, R.N., 1973; Seal, U.S. *et al.*, 1976; Silberman, M.S. and Fulton, R.B., 1979; Thomson, J.K. *et al.*, 1949; Wallach, J.D., 1969.

Poaching

Curry-Lindahl, K., 1972; Edroma, E.L., 1982; Fitter, R., 1974 Hillman-Smith, K. *et al.*, 1986; Martin, E.B., 1984. (See Black Rhinoceros Keyword List for additional references under this heading)

South Africa

Bothma, J. du P., 1975, Endangered Wildlife Trust, 1984; Skead, C.J., 1980.

Status

Anon., 1986, Ansell, W.F.H., 1959, 1967; Babault, G., 1949; Bigalke, R., 1963, 1968;

Bothma, J. du P., 1975; Brand, D.J., 1964; Brooks, A.C., 1959; Cave, A.J.E., 1963; Condy, P., 1973; Cumming, D.H.M. and Jackson, P., 1981; Curry-Lindahl, K., 1972; Edroma, E.L., 1982; Endangered Wildlife Trust, 1984; Fitter, R., 1974; Fosbrooke, H., 1975; Foster, J.B., 1967; Groves, C.P., 1972; Guggisberg, C.A.W., 1966; Haltenorth, T. and Trense, W., 1956; Hayes, C., 1964; Heppes, J.B., 1958b; Heymans, J.C. and Colyn, M., 1981; Hillman, K., 1980a, 1980b, 1981, 1983; Hillman-Smith, K., 1988; Hillman, K. and Smith, F., 1983; Hillman-Smith, K. *et al.*, 1986; Jeannin, A., 1951; Kingdon, J., 1979; Klingel, H., 1979; Klös, H.G. and Frese, R., 1978; Lang, E.H., 1924; Monks, E., 1977; Natal Parks Board, 1952; Owen-Smith, R.N., 1973; Pienaar, U. de V., 1970; Player, I.C., 1972; Player, I.C. and Feely, J.M., 1960; Roth, H.H., 1967, 1969; Spinage, C.A., 1986; Taylor, R.D., 1986; Thomback, L.J., 1981; Tomlinson, D.N.S., 1977; van Bruggen A.C., 1965; Vincent, J., 1962, 1969a; Vincent, J. and Geddes-Page, J., 1983; Western, D. and Vigne, L., 1984, 1985.

Swaziland

Anon., 1965.

Tanzania

Fosbrooke, H., 1974.

Taxonomy

Cave, A.J.E., 1962; du Toit, R.F. *et al.*, 1987; Groves, C.P., 1972, 1975; Guérin, C., 1980; Loose, H., 1975; Rookmaaker, L.C., 1983b.

Trade

Cumming, D.H.M. and Jackson, P., 1981; Endangered Wildlife Trust, 1984; Monks, E., 1977; Parker, I.C.S. and Martin, E.B., 1979. (See Black Rhinoceros Keyword List for additional references under this heading)

Translocation

Anon., 1961, 1964, 1968, 1969; Ansell, W.F.H., 1967; Condy, J.B. and Davison, E., 1964; Davison, E. and Condy, J.B., 1963; Fitter, R., 1974; Harthoorn, A.M., 1962b, 1962c; Keep, M.E., 1973; Player, I.C., 1966, 1967, 1972; Rochat, K. and Steele, N., 1968; Savidge, J., 1961, 1964, 1965; Taylor, R.D., 1986; Tomlinson, D.N.S., 1977; van Bruggen, A.C., 1965; Vincent, J., 1968, 1969a, 1969b, 1970a, 1970b, 1971; Wallach, J.D., 1966.

Transvaal

Bigalke, R., 1963, 1968; Endangered Wildlife Trust, 1984; Pienaar, U. de V., 1970.

Uganda

Cave, A.J.E., 1963.

Veterinary

Baker, M.K. and Keep, M.E., 1970; Bigalke, R. *et al.*, 1970; Condy, J.B. and Davison, E., 1964; Condy, J.B. *et al.*, 1963; de Vos, V., 1975; du Toit, R.F. *et al.*, 1987; Groves, C.P., 1972; Haigh, J.C., 1975; Jones, D.M., 1979; Keep, M.E., 1969, 1970; Lang, E.M., 1976; Neitz, W.O., 1965; Schmidt, R.E. and Hartfiel, D.A., 1976; Silberman, M.S. and Fulton, R.B., 1979; Spinage, C.A. and Fairrie, R.D., 1966; Thomson, J.K. *et al.*, 1949; Weiss, R., 1974; Young, E., 1965.

Zaire

Curry-Lindahl, K., 1972.

Zimbabwe

Ansell, W.F.H., 1959; Condy, P., 1973; Tomlinson, D.N.S., 1977.

Zoo

Bigalke, R., 1947, 1960; Dittrich, L., 1971, 1972; du Toit, R.F. *et al.*, 1987; Endangered Wildlife Trust, 1984; Eriksen, E., 1977; Frädriich, H. and Frädriich, J., 1973; Hill, C.A., 1973a, 1973b; Klös, H.G. and Frese, R., 1978; Lang, E.M., 1976; Micha, M., 1958; Nelson, L., 1978; O'Connor, S.M., 1982, 1986; Rawlins, C.G.C., 1979; Reynolds, R.J., 1960; Roney, E.E., 1972; Schaller, K. and Pilaski, J., 1979; Smith, L.J., 1968; van den Bergh, W., 1952, 1955, 1958; Wallach, J.D., 1969.

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