Grouse Bibliography

Revision date: 4 May 2020
Check for newer version

Compiled by Donald H. Wolfe
George M. Sutton Avian Research Center

Organized by genus

**Bonasa and Tetrastes**

**Centrocercus**

**Dendragapus and Falcipennis**

**Lagopus**

**Tetrao and Lyrurus**

**Tympanuchus**

**General grouse related topics**

Note: I would welcome any other citations not listed here or links to other grouse-related bibliographical sources. Also, please alert me of any errors that are detected. This bibliography is always a “work in progress”, and is updated as new information is available and time allows.

**Bonasa and Tetrastes (Ruffed, Hazel, and Chinese Grouse)**


Aschenbrenner, H., H. Bergmann, and F. Muller. 1978. Gefangenschaftsbrut beim hazelhuhn (Bonasa bonasia L.) [Brood size in Hazel Hen (Bonasa bonasia L.)]. Pirsch 30:70-75. (in German).


Benz, F. 2000. Effet de coupes en damiers sur l'utilisation de l'habitat par le gélinotte


Management Division, California Department of Fish and Game, Sacramento. (Blue Grouse, Ruffed Grouse).


(Capercaillie, Black Grouse, Hazel Grouse, Rock Ptarmigan).


Chapman, F. B. 1954. Wild Turkey, Ruffed Grouse, and snowshoe hare restoration in Ohio. Ohio Department of Natural Resources. 10pp.


concentration ratios between water, vegetation, and tissues of Ruffed Grouse (*Bonasa umbellus*) from a watershed with uranium tailings near Elliot Lake, Canada. Environmental Pollution. 77:39-50.


Dhuey, B. 2015. Ruffed Grouse drumming survey 2015. Wisconsin Department of Natural Resources, Wisconsin Rapids, WI.
Dhuey, B. 2016. Ruffed Grouse drumming survey 2016. Wisconsin Department of Natural Resources, Wisconsin Rapids, WI.


[Western Hazel Grouse. Biology, status and perspectives of conservation breeding.] Neustadt (Weinstrasse), Pollichia. (in French with German and English summaries).


Blacksburg. 96pp.


Fleury, M. 1995. Validation d'un modèle utilisant les cartes écoforestières pour évaluer le potentiel de la gélinotte huppée d'un territoire. [Validation of a model using the forestry charts to evaluate the potential of Ruffed Grouse territory.] Faune-Experts inc., Bic, Quebec. 39pp. (in French).


Friley, C. E. 1938. The relation between the presence of the cottontail rabbit Sylvilagus floridanus mallurus (Thomas) and the occurrence of cover types on the Tolland County leased hunting area: with notes on the cover preference of the Ruffed Grouse Bonasa umbellus umbellus (Linn.). M. Sc. Thesis. University of Connecticut.


Proceedings of a workshop held in Friedenfels, Steinwald (Bavaria) from 8-9 November 2007.] Ornithologischer Anzeiger 48:3-91. (in German).


Grange, W. B. 1924. Ruffed Grouse traits: Intimate observations on the habits of this fascinating forest dweller. Forest and Stream Vol. XCIV, No. 10, p. 579 (8pp).


Gullion, G. W. 1981. The impact of goshawk predation upon Ruffed Grouse. Loon 53:82-84


Horak, V. 1998. [Observation of the gallinaceous birds (Galliformes) on the plateau of


Grouse, Willow Ptarmigan).


Jacken, H. 2019. Die Rolle und die Möglichkeiten der WPA-BUNDESREPBULIK DEUTSCHLAND e. V. bei der Erhaltung von Haselhühnern. [The Role and Possibilities of WPA-BUNDESREPBULIK DEUTSCHLAND e. V. in the...


Kucera, L. 1975. Verbreitung und populationdichte von Auerhuhn (Tetrao urogallus), Birkhuhn (Lyrurus tetrix) und Haselhuhn (Tetrastes bonasia) im westlichen Teil von Sumava (CSSR). [Range and population size of Capercaille (Tetrao urogallus), Black Grouse (Lyrurus tetrix) and Hazel Grouse (Tetrastes bonasia) in the western part of Sumava (CSSR).] Ornithologische Mitteilungen 27:160-169. (in German).


Lonnberg, E. 1927. Einige Beiträge zur Kenntns unserer Waldhühner, Tetraonidae. [Some contributions for the knowledge of our forest grouse, Tetraonidae.] Journal of Ornithology 75:579-596. (in German).


Lyons, K. L. 1981. Use of chick distress call to capture Ruffed Grouse Bonasa umbellus
hens. Transactions of the Northeast Section the Wildlife Society 38:133-135.


Major, P. D. 1977. Effects of woodland habitat changes, summer temperature, and relative humidity on the density and distribution of Ruffed Grouse.


Ptarmigan, White-tailed Ptarmigan).


Morse, M. 1939. A local study of predation upon hares and grouse during the cyclic decimation. *Journal of Wildlife Management* 3:203-211.


Breisgau. 74pp. (in German).


(Black Grouse, Capercaillie, Hazel Grouse, Willow Ptarmigan).


Grouse Research Project. 61pp.


Novoa C., Hansen E., Menoni E., : La mortalité de trois espèces de galliformes par collision dans les câbles : résultats d’une enquête pyrénéenne. [The mortality of three species of galliformes per collision in the cables: results of a Pyrenean investigation.] ONC manuscript. 17 pp. (in French).


Parent, A. 1996. Validation d'un modèle de qualité d'habitat pour la gélinotte huppée (Bonasa umbellus) et caractérisation de l'habitat de tambourinage sur la Seigneurie Nicolas-Riou, Forêt modèle du Bas-Saint-Laurent. [Validation of a model of quality of habitat for the Ruffed Grouse (Bonasa umbellus) and characterization of the habitat of drumming sites on the Seigniory Nicolas-Riou, Forêt models of the Low-Saint-Laurent.] Report to Ministère de l'environnement et de la faune, Quebec. (in French).


Bonasa bonasia (=Tetrastes bonasia) population in Lithuania using non-


Development of landscape-level habitat suitability models for ten wildlife species
in the Central Hardwoods Region.  USDA Forest Service General Technical Report NRS-4.  Newtown Square, Pennsilvania.  52pp.  (Ruffed Grouse, pp20- 
24).

Robertson, R. L.  1976.  Ruffed Grouse habitat preferences and effects of livestock


1980’s.  Proceedings of Symposium at 45th Midwest Fish and Wildlife

Rodgers, R. D.  1979.  Ruffed Grouse ecology and factors affecting drumming counts in

Rodgers, R. D.  1979.  Ratios of primary calamus diameters for determining age of


Rodgers, R. D.  1981.  Factors affecting Ruffed Grouse drumming counts in southwestern

Rodgers, R. D., R. G. Wells, K. E. Church, R. L. Whiteaker, M. T. McFadden, D. S.

Rodionov, M. A.  1963.  Contribution to the biology of the Hazel Grouse (Tetrastes 
165.


Virus exposure and infection rates in Minnesota Ruffed Grouse. Minnesota Department of Natural Resources.


Schaublin, S., and K. Bollmann. 2011. Winter habitat selection and conservation of


Schmidt, R. 1986. Untersuchungen zum Artenschutzprojekt Haselhuhn (Bonasa bonasia) für den rechtsrheinischen Teil von Rheinland-Pfalz und dem Forstamtsbezirk Ahrweiler. [Investigations to the protection of species project Hazel Grouse (Bonasa bonasia) for the right-Rhenish part of Rhineland-Palatinate and the Forestry Commission district Ahrweiler.] Naturschutz und Ornithologie in Rheinland-Pfalz. (in German).


Seville, W. S. 1949. Sex and age ratio of Ruffed Grouse in Massachusetts as indicated by wing and tail samples. Massachusetts Department of Fish and Game.


Smyth, T. 1923. A study of the food and feeding habits of the Ruffed Grouse. A.M.


Steiner, H., A. Schmalzer, and N. Puehringer. 2007. Limiterende Faktoren fuer Auerhuhn (Tetrao urogallus), Birkhuhn (Tetrao tetrix) und Haselhuhn (Bonasa bonasia) nach Untersuchungen im Nationalpark Kalkalpen. [Capercaillie (Tetrao urogallus), Black Grouse (Tetrao tetrix), and Hazel Grouse (Bonasa bonasia) in 'Kalkalpen' national park: populations, habitats and management. Denisia 21, 15 November 2007:1-148. (in German with English summary).


Alberta.


Swenson, J. E., and P. Angelstam. 1993. Habitat separation by sympatric forest grouse


Weigel, R. D. 1963. Ruffed Grouse from the Pleistocene of Saskatchewan. Wilson


Agencies 42:349-357.


Yang, B.-R. 1993. On food features and nutrient analysis of Hazel Grouse in bud-


Zbinden, N. 1979. (1.) Zur Oekologie des Haselhuhns (Bonasa bonasia) in den Buchenwäldern des Chasseral, Faltenjura; (2.) Zur Verdaulichkeit und umsetzbaren Energie von Tetraoniden-Winternahrung und zum Erhaltungsbedarf des Birkhuhns (Tetrao tetrix) in Gefangenschaft mit Hinweisen auf Verdaulichkeitsversuche. [1.) To the ecology of the Hazel Hen (Bonasa bonasia) in the beech forests of the Chasseral, fold law; (2.) On the digestibility and metabolizable energy of tetraonid winter food and on the energy requirements for maintenance of Black Grouse (Tetrao Tetrix)in captivity, with remarks on digestibility trials.] Ph. D. Dissertation. Naturwiss. Bern. (in German).


Zimmerman, G. S., J. J. Millspaugh, W. A. Link, R. J. Woods, and R. J. Gutierrez. 2013. A flexible Bayesian hierarchical approach for analyzing spatial and temporal variation in the fecal corticosterone levels in birds when there is imperfect knowledge of individual identity. General and Comparative Endocrinology
194:64-70. (Ruffed Grouse).

**Centrocercus** (sage grouse)


Allred, W. J. 1946. Sage grouse trapping and transplanting. Proceedings Western Association of State Game and Fish Commissions 26:143-146.


Balzotti, C. S. 2014. Exploring the use of fine resolution nested ecological niche models


Beyer, H. L., D. T. Haydon, J. M. Morales, J. L. Frair, M. Hebblewhite, M. Mitchell, and


of organophosphorus insecticides on sage grouse. Proceedings of the Pellson

K. Halford. 1989. Effects of organophosphorous insecticides on Sage Grouse in

Wyoming. Wyoming Game and Fish Department. 39pp.

Boies, R. 2017. Confessions of a collaborator: Shoesole and Stewardship Alliance of
(Greater Sage-Grouse).

3:212-213. (sage-grouse)


variations on an aerial lek-count method for Greater Sage-Grouse. Western North
American Naturalist 69:413-416.


Boswell, R. 2017. Seasonal resource selection and habitat treatment use by a fringe

Boswell, R. T., and N. S. Frey. 2007. The effects of mechanical disking on shrub
steppe ecosystems and Greater Sage-Grouse use in Pine Valley, Utah. Annual
Report 2007. Utah State University Extension Service, Southern Utah University,
Cedar City, UT. 13pp.

Boswell, R. T., and N. S. Frey. 2007. The effects of tebuthiuron on shrub
steppe ecosystems and Greater Sage-Grouse use in Lower Hamlin Valley, Utah.
University, Cedar City, UT. 11pp.


Boyce, M. S. 1981. Robust canonical correlation of Sage Grouse habitat. U S Forest

30:263-270.


Braun, C. E. 2014. In my opinion: conservation plans and the future of sage-grouse in


Cade, T. J. 1999. The Sage Grouse, Icon of the high desert, can it flourish again?


on songbirds from habitat manipulation for Greater Sage-Grouse: implications for the umbrella species concept. Condor 120:436-455.


California Press.  646pp.


2119. Utah State University.


Dahlgren, D. K., T. A. Messmer, B. A. Crabb, M. T. Kohl, S. N. Frey, E. T. Thacker,


Douglas, D. 1829. Observations on some species of the genera *Tetrao* and *Ortyx*, natives of North America with descriptions of four new species of the former, and
two of the latter genus. Transactions of the Linnean Society of London 16:133-149.


Eng, R. L. 1953. Sage Grouse strutting ground counts. Montana Fish and Game
Department, Job Progress Report, Project W-38-R-5. 9pp.


University. 109pp.


Foster, L. J., K. M. Dugger, C. A. Hagen, and D. A. Budeau. 2019. Greater Sage-
Grouse vital rates after wildfire. Journal of Wildlife Management 83:121-134. DOI: 10.1002/jwmg.21573


Frye, G. G.  2012.  Phytochemical ecology of an avian herbivore, the Greater Sage-
Boise State University.

Cardinal, L. Cross, and J. S. Forbey.  2014.  Do necklace-style
radiotransmitters influence flushing behavior of Greater Sage-Grouse?  Wildlife

predicts habitat selection by an avian herbivore at multiple spatial scales.

Fugate, K.  2013.  One bird causing a big conflict: can conservation agreements keep

Gamo, R. S.  2016.  Effectiveness of Wyoming’s Sage-Grouse core areas in conserving
Greater Sage-Grouse and mule deer and influence of energy development on big

Gamo, R. S., and J. L. Beck.  2017.  Effectiveness of Wyoming’s Sage-Grouse core
areas: influences on energy development and male lek attendance.  Environmental

Gamo, R. S., and J. L. Beck.  2017.  Energy disturbance and productivity of mule deer
habitat in sage-grouse core areas.  Rangeland Ecology & Management  70:576-
583.

Greater Sage-Grouse in Wyoming – An umbrella species for sagebrush-dependent

(*Falco rusticolus*) hunting Sage Grouse (*Centrocercus urophasianus*) in

for The Wilderness Society, The National Audubon Society, and The National
Wildlife Federation, byt Western EcoSystems Technology, Inc., Cheyenne,
Wyoming.


motivations when numbers are low. Animal Conservation 19:26-34.


Fish Department, Completion Report. 66pp.


205


Howe, K. B., and P. S. Coates. 2015. Observations of territorial breeding Common


Jankowski, M. D. 2007. The influence of habitat disturbance and synergized resmethrin on avian immunocompetence. Ph. D. Dissertation University of Wisconsin-


Klett, A. T. 1956. 1956 prairie grouse census. P. R. Project 35-R-3, Job Nos. 7, 8, 9; Project 35-R-4, Job No. 11. North Dakota State Game and Fish Department.


Learn, J. L. 2015. Sage handling tactics – grouse conservation caught up in land


Leonard, K. M. 1998. Distribution, movements, and habitats of Sage Grouse on the


Lords, J. L. 1951. Distribution, ecology, and population dynamics of the Sage Grouse in


Messmer, T. 2017. Sage-grouse leks - although we count the males each spring, it is really all about the females and the weather. The Communicator 13(2):14-2.


Mueggler, W. F., and J. P. Blaisdell. 1958. Effects on associated species of burning,


Natural Resources Conservation Service. 2012. Applying the sage-grouse fence collision risk tool to reduce bird strikes.


Naugle, D. E., C. L. Aldridge, B. L. Walker, T. E. Cornish, B. J. Moynahan, M. J.


Oh, K. P., C. L. Aldridge, J. Sorenson-Forbey, C. Y. Dabaday, and S. J. Oyler-


Quimby, D. C. 1966. A review of literature relating to the effects and possible effects of sagebrush control on certain game species in Montana. Proceedings of the Western Association of State Game and Fish Commissioners 46:142-149.


habitat. Ecosphere 10(11):e02870. 10.1002/ecs2.2870


Thacker, E. T. 2010. Greater Sage-Grouse seasonal ecology and responses to habitat

Grouse News  39:30 (abstract only).


Thompson, K. W.  1946. Live trapping and transplanting Ring-necked Pheasants and Sage Grouse. Proceedings of the Western Association of State Game and Fish Commissioners 26:133-137.


Thompson, T. R.  2018. Using remotely piloted aircraft and infrared technology to


Thompson, W. K. 1946. Live trapping and transplanting Ringnecked Pheasants and Sage Grouse. Proceedings of the Western Association of State Game and Fish Commissioners 26:133-137.


Torregrosa, A., M. L. Casazza, M. R. Caldwell, T. A. Mathiasmeier, P. M. Morgan, C.


Utah Division of Wildlife Resources. 2009. Utah Greater Sage-Grouse management plan. Utah Department of Natural Resources, Division of Wildlife Resources, Publication 09-17, Salt Lake City, Utah, USA. 94pp.


Wallestad, R. O. 1972. Effects of chemical and mechanical sagebrush control on Sage


Wallestad, R. O. 1975. Life history and habitat requirements of Sage Grouse in central Montana. Game Management Division, Montana Department of Fish and Game.


Young, J. 2000. The Gunnison Sage Grouse: can sexual selection increase the rate of speciation and extinction? Grouse News 20:2-4


**Dendragapus and Falcipennis**  
(Blue, Dusky, Sooty, and Spruce Grouse)


strategies of large species winter bird’s adaptation to low temperature.]


Bauer, R. D. 1962. Ecology of Blue Grouse on summer range in north central


Pollution 106:405-412.


Braun, C. E. 1971. Determination of Blue Grouse sex and age from wing characteristics. Colorado Division of Wildlife, Game Information Leaflet No. 86.


Budeau, D. 2016. Developing an index to Sooty Grouse abundance in western Oregon,


Corfield, J. R., N. Harada, and A. N. Iwaniuk.  2013.  Aromatase expression in the brain of the Ruffed Grouse (Bonasa umbellus) and comparisons with other galliform


Ellison, L. N. 1967. Spring movements and behavior of territorial and non-territorial


Canadian Journal of Zoology  58:2102-2104.


MacDonald, S. D. 1968. The courtship and territorial behavior of Franklin’s race of the
Spruce Grouse. Living Bird 7:5-25.


McLachlin, R. A. 1970. The spring and summer dispersion of male Franklin’s Grouse in


Mussehl, T. W., and P. Schladweiler. 1969. Forest grouse and experimental spruce budworm insecticide studies. Montana Fish and Game Department Technical
Myers, G. T. 1965. Evaluation of a combined Blue Grouse-Wild Turkey hunting season. Colorado Dept. of Natural Resources, Division of Game, Fish and Parks. Game information leaflet no. 27.


Remington, T. E. 1990. Food selection and nutritional ecology of Blue Grouse during


Shilo, V., and S. Klimova. 2010. [Experiment of establishing a Western-Siberian reserve population of Siberian Grouse (*Falcipennis falcipennis*)]. Newsletter of the Tomsk State University. No. 4, pp.60.67. (in Russian with English summary).


Stewart, R. E. 1944. Food habits of Blue Grouse. Condor 46:112-120


(Dendragapus canadensis) dans la région de l'Abitibi-Témiscamingue.  
Gouvernement du Québec, Ministère de l'environnement et de la faune, Direction de la faune et des habitats.  (in French).

Turcotte, F. 1994. Réactions du tétras du Canada (Dendragapus canadensis) face à 
l'exploitation forestière en forêt boréale.  [Reactions of the Canadian Grouse 
(Dendragapus canadensis) to forestry development in northern boreal forest. Gouvernement du Québec, Ministère de l'environnement et de la faune, Direction de la faune et des habitats. 77pp.  (in French).


Weinberg, H. 1994.  A geographic information system analysis of Spruce Grouse habitat


Lagopus (Ptarmigan)


Fauna Norvegica Series C Cinclus 7:90-94.


Arnason, S. S., V. S. Elbrond, and G. Laverty. 2015. Transport characteristics and morphology of the colon and coprodeumin two wild birds of different habitats, the Rock Ptarmigan (Lagopus mutus) and the Common Murre (Uria aalge). Comparative Biochemistry and Physiology, Part A. 187:86-96.


doi:10.1136/vr.102275


Bergerud, A. T., S. S. Peters, and R. McGrath. 1963. Determining sex and age of


Bradbury, W. C. 1924. Nesting habits of ptarmigan. Colorado Game and Fish


Brittas, R., and V. Marcstrom. 1982. Studies in Willow Grouse Lagopus lagopus of


Brugnoli, A. 2013. Cambiamento climatico e Galliformi di montagna: alcune recenti


Bulger, J. 2017. White-tailed Ptarmigan (Lagopus leucura) recovery plan. New Mexico Department of Game and Fish.


Calenge, C., M. Birkan, and P. Lebreton. 2003. Separation of ecological niches of


Clarke, J. A. 1989. White-tailed Ptarmigan (*Lagopus leucurus*) in the Sierra Nevada: a


Collette, R. 1898. En ny bastardform blandt Norges Tetraonider, “Fjeldrype-Orre” (Lagopus mutus X Tetrao tetrix). [A new hybrid form of northern grouse (Lagopus mutus X Tetrao tetrix).] Bergens Museums Aarberetning 1897, no. 2


Cox, R. 2004. Population ecology of the Red Grouse, Lagopus lagopus scoticus, with


(Red Grouse).


Eastman, D. S., and D. Jenkins. 1970. Comparative food habits of Red Grouse in


Elson, L. T., F. E. Schwab, and N. P. P. Simon. 2007. Winter food habits of Lagopus
lagopus (Willow Ptarmigan) as a mechanism to explain winter sexual segregation. Northeastern Naturalist 14:89-98.


(Capercaillie, Willow Grouse).


21st. Congress of International Union of Game Biologists, Halifax, N.S., Canada.


Scottish Landowner 91:43-44.


abundance on a Scottish grouse moor. Ibis 159:541-553.


https://doi.org/10.1007/s13280-019-01191-0.


Girtanner, A. 1880. Zur Eingewöhnung des Alpen-Schneehuhns (Lagopus mutus) in Gefangenschaft. [To acclimatizing the alpine snow chicken (Lagopus mutus) in shank.] Der Zoologische Garten Jahrg. 21, 1880. p. 71-82. (in German).


Gorodkov, B. N., and E. S. Korotkevich. 1957. Feeding habits of Lagopus lagopus
birulai Serebr. in the zone of the Arctic Desert. Zoologi Zhournal 36:1382-1384.


Hagen, Y. 1937. Fjærdraktens utvikling hos lirypen (Lagopus lagopus L.) med en undersøkelse over kyllingenes vekst og alder. Oslo. 90pp. (in Norwegian).


Hanssen, I. 1979. Micromorphological studies on the small intestine and caeca in wild


Hanssen, I., H. C. Pedersen, and T. Lundh. 1991. Does intense herbivory from microtine rodents induce production of plant estrogens in the spring food plants of Willow
Ptarmigan Lagopus l. lagopus? Oikos 62:77-79.


Haviland, M. 1915. Notes on the breeding habits of the Willow Grouse (Lagopus lagopus) at the mouth of the Yenesei River, Siberia. Zoologist London. 19:241-244.


No. 51.


Hudson, P. J., R. Norman, M. K. Laurenson, D. Newborn, M. Gaunt, H. Reid, E. Gould,


at 13th International Grouse Symposium).


Janossy, D. 1975. Some new data on faunistical exchanges through the Bering-Bridge. Aquila 80-81:87-89. (Ruffed Grouse, Hazel Grouse, American Spruce Grouse,


Kozma, R., P. Mellsted, K. P. Magnusson, and J. Hoglund. 2015. Looking into the past – the reaction of three grouse species to climate change over the last million

Kratzig, H. 1940. Untersuchungen zur Lebensweise des Moorschneehuhns (Lagopus l. lagopus L.) während der Jugendentwicklung. [Investigations for the way of life of the moorland snow chicken (Lagopus l. lagopus L.) during the youth development. Journal of Ornithology 88:139-165. (in German).


Laub, M. 1975. The first breeding of Red Grouse in America. Game Bird Breeders


McGowan, J. D. 1971. Effects of controlled hunting on Rock Ptarmigan. Alaska Department of Fish and Game. 6pp.

Department of Fish and Game, Final Report, Federal Aid in Wildlife Restoration. 14pp.


Menoni, E., and J. Fortin. 2015. Emprise des loisirs de plein air sur les habitats des galliformes de Montagne dans les Pyrénées Françaises. [Grip of outdoor recreation on the conservation of the habitats of the galliformes of mountain in the


Ornithologische Mitteilungen 50:43-44. (in German).


Moss, R., and A. K. Lough. 1968. Fatty acid composition of depot fats in some game


acquisition of social hierarchy in the captive Willow Ptarmigan (*Lagopus lagopus lagopus*). Z. Tierpsychol. 57:123-130.


Capercaillie, Hazel Grouse, Rock Ptarmigan). (in German and English).


Nordhagen, R. 1928. [Grouse peak years and berry peak years. Contributions to the discussion on the variation in our grouse populations]. Bergen Museums Arbok 1928. Naturvidenskapelig rekke, no. 2. (in Norwegian with English summary).


Osmolovskaya, V. I. 1970. Distribution and abundance of White Grouse in the forest belt of the European part of the USSR. Byull. Mosk. Obshch. Ispyt. Prir. 75:118-


Parker, G. H. 1985. Copper, nickel, and iron in plumage of three upland gamebird
species from non-contaminated environments. Bulletin of Environmental Contamination and Toxicology 35:776-780.


(Lagopus lagopus) populations with different natural loads of cadmium. European Journal of Wildlife Research 53:142-152.


Peer, K. 2006. Habitatmerkmale von Brutrevieren des Alpenschneehuhns (Lagopus mutus) im Kuehtai, Tirol. [Habitat characteristics of Rock Ptarmigan (Lagopus mutus) territories in Tyrol (Austria).] Egretta 48:35-44. (in German with English summary)


Piers, H. 1922. Accidental occurance in Nova Scotia of the Rock Ptarmigan (Lagopus rupestris welchi or L. rupestris rupestris); with remarks on the stauts of L. welchi
as a specific name. Proceedings of the Nova Scotian Institute of Science XXX:XXX-XXX.


Piminov, V. N., and L. V. Gogoleva. 1988. [Behavioural peculiarities of the Willow Grouse *Lagopus lagopus* and the alpine Ptarmigan *Lagopus mutus* during the


Pulliainen, E. 1981. Comparison des strategies de reproduction de recherche alimentaire et d'hivernage du grand tetras (Tetrao urogallus L.) et du lagopede decosse (Lagopus lagopus L.). Leur importance ecologique pour la protection. [Comparison of the strategies of food reproduction of research and wintering of Capercaillie (Tetrao urogallus L.) and of the Willow Grouse (Lagopus lagopus L.) Their ecologic importance for protection.] Du Colloque Sur Le Grand Tetras,


Pulliainen, E., and P. S. Tunkkari. 1991. Responses by the Capercaillie *Tetrao*


Quintela, M., C.-G. Thulin, and J. Hoglund. 2010. Detecting hybridization between Willow Grouse (Lagopus lagopus) and Rock Ptarmigan (L. muta) in central Sweden through Bayesian admixture analyses and mtDNA screening. Conservation Genetics 11:557-569.


Rae, S. 2015. Strategic placement of Rock Ptarmigan Lagopus muta nests adjacent to boulders. Bird Study 62(2)1-5.


Reid, H. W. 1975. Experimental infection of Red Grouse with louping-ill virus. I. The


Rec. 95:150.

louping-ill virus (flavivirus group) in wild Red Grouse (Lagopus lagopus

species (Tetrao urogallus, Lagopus mutus, Lagopus lagopus) to louping-ill virus.
Journal of Comparative Pathology 90:257-263.

Reierth, E., and K.-A. Stokkan. 1998. Dual entrainment by light and food in the
Svalbard Ptarmigan (Lagopus mutus hyperboreus). Journal of Biological Rhythm
13:393-402.

Ptarmigan (Lagopus mutus hyperboreus). Canadian Journal of Zoology 76:2031-
2039.

Reierth, E., T. J. Van’t Hof, and K.-A. Stokkan. 1999. Seasonal and daily variation in
plasma melatonin in the High-Arctic Svalbard Ptarmigan (Lagopus mutus


Revermann, R. 2006. Suitable habitat for ptarmigan (Lagopus muta helvetica
Thienemann 1829) in the Swiss Alps and its response to rapid climate change in
of Potsdam, Germany.

Habitat at the mountain tops: how long can Rock Ptarmigan (Lagopus muta
helvetica) survive rapid climate change in the Swiss Alps? A multi-scale

das Alpenschneehuhn Lagopus muta helvetica in den Schweizer Alpen –
Skaleneffekte und mogliche Auswirkungen des Klimawandels. [Habitat model
for the Rock Ptarmigan *Lagopus muta helvetica* in the Swiss alps - scale effects and possible effects of climate change.]. Vogelwarte 45:276-277. (in German).


Rodrigue, J., L. Champoux, D. Leclair, and J. F. Duchesne. 2007. Cadmium concentrations in tissues of Willow Ptarmigan (Lagopus lagopus) and Rock Ptarmigan (Lagopus muta) in Nunavik, Northern Quebec. Environmental Pollution 147:642-647.


Rogers, G. E. 1965. Factors that should be considered in determining techniques for sexing and aging the southern White-tailed Ptarmigan: Lagopus leucurus altipetens. Colorado Department of Natural Resources, Division of Game, Fish and Parks. Game information leaflet no. 33.


of nesting females enhance the effect of predation? Wildlife Biology 5:137-145.


Sale, R. 2006. A complete guide to Arctic wildlife. Firefly books, Buffalo, New York,
USA, and Richman Hill, Ontario, Canada. 464pp.


Sandven, A. T. 2006. Persistent organic pollutants (POPs) in three arctic breeding bird species; Svalbard Rock Ptarmigan (Lagopus muta hyperborea), Little Auk (Alle alle) and Arctic Tern (Sterna paradisaea). M. Sc. Thesis. Universitetet i Bergen.


Schweiger, A.-K., U. Nopp-Mayr, and M. Zohmann. 2012. Small-scale habitat use of


only, presented at 13th International Grouse Symposium).


Spidso, T. K. 1979. Food selection of Willow Grouse Lagopus lagopus chicks in


Sserebrowsky, P.  1926.  Neue Formen des Moorschneehuhnes (Lagopus lagopus (L.)).  [New forms of the moorland snow chicken (Lagopus lagopus (L.)):] Journal of Ornithology 74:511-515.  (in German).


University of Tromso.


Suhanova, N. S., and N. P. Selivanova. 2018. [Season changes in the number of tetraonidae on the western slope of the northern and subpolar Urals.]. Pp. 122-


Summers, R. W., and L. G. Underhill. 1996. The dispersion of arctic breeding birds according to snow-free patch dimensions during the spring thaw in the northeastern Taimyr Peninsula, Russia. Polar Biology 16:331-333.


Tarasov, V. V. 2005. Site tenacity in the Willow Ptarmigan (*Lagopus lagopus* L.) in the


Thulin, C.-G. 2012. Vanligare än väntat att ripor hybridiserar. [Grouse hybridize more


496


Watson, A. 2012. Territorial behaviour limits spring numbers of Scottish Ptarmigan in


Weeden, R. B. 1964. Spatial separation of sexes in Rock and Willow Ptarmigan in
winter. Auk 81:534-541.


505


Wildlife Conservation Trust, Fordingbridge. (Red Grouse).


Swedish).


Yoshida, M., and M. Yoshida. 2001. [Vegetations as habitats of Japanese Ptarmigan,


**Tetrao and Lyrurus (Capercaillie and Black Grouse)**


Jewel cases (France).] Avocetta 20:60-65. (in French).


(Phasianidae, Tetraoninae). Zootaxa 4550:585-593.
DOI:10.11646/zootaxa.4550.4.9


Angelstam, P. 2004. Habitat thresholds and effects of forest landscape change on the


Baltic, M. 2005. Impact of human disturbance on Alpine wildlife in winter: stress,


Barysas, T. 2016. Kurtinių (Tetrao urogallus L.) natūralių priešų ilgalaikė gausos dinamika ir galima jų įtaka šių paukščių dėtims Varėnos rajono miškuose. [Population dynamics of the natural enemies of capercaillie (Tetrao urogallus L.) and their possible impact to these birds clutches in Varėna forests.] M. Sc. Thesis. Aleksandro Stulginskio University. (in Lithuanian with English...
summary).


Blanco-Fontao, B. 2012. Aplicaciones de la ecología trófica en la conservación de poblaciones periféricas de Tetraónidas. [A trophic ecology approach to the


Bollmann, K. 2018. Stürmische Zeiten für Raufusshühner im Bergwald. [Stormy times


Braunisch, V. 2006. A habitat and habitat-connectivity model for Capercaillie Tetrao


Canut, J. 1993. Tendència poblacional del Gall fer (Tetrao urogallus) al Parc Nacional


Faculty, Department of Forestry, 144 pp.


Cas, M. 2008. Capercaillie monitoring is an important tool for observing changes in boreal forest ecosystems, but introduction of a hunting ban in the Slovenian Alps has highlighted certain problems. Grouse News 35:16-20.

Cas, M. 2011. Capercaillie (*Tetrao urogallus* L.), an endangered species due to disturbance and predation, can be named “the Rose of The Little Prince” in the southern edge of its distribution in Europe. Grouse News 42:36-39


Christensen, J. S. 2009. [The occurrence of Capercaillie in Denmark, with remarks on its official status.] Dansk Ornitollogisk Forenings Tidsskrift 103:71-76. (in Danish).


Chunikhin, S. P. 1964. [The Caucasian Black Grouse]. [Hunting and Hunting Farm]


Darvishi, A., S. Fakheran, and A. Soffianian. 2015. Monitoring landscape changes in Caucasian Black Grouse (Tetrao mlokosiewiczi) habitat in Iran during the last two decades. Environmental Monitoring and Assessment 187:4659.


De Franceschi, P. 1988. La situazione attuale dei Galliformi in Italia. Ricerche recenti o ancora in corso. Problemi di gestione e prospettive per il futuro. [The situation puts into effect them of the Galliformi in Italy. Recent searches or still in course.


De Franceschi, P. F., and S. Mattedi. 1995. Home range of male Black Grouse from


deVos, G. J. 1983. Social behaviour of Black Grouse, an observational and experimental


population trends and potential biases. Animal Biodiversity and Conservation 42.2:227–244. Doi: https://doi.org/10.32800/abc.2019.42.0227


Ekedahl, F. 2005. Migration patterns and habitat characteristics of Capercaillie (Tetrao


Ellison, L., E. Menoni, A. Bernard-Laurent, and Y. Magnani. 1994. [Participation of


Fanelli, A., G. Menardi, M. Chiodo, O. Giordano, G. Ficetto, M. Bessone, A. Lasagna, M. G. Carpignano, M. A. Molinar, A. Gugiatti, P. G. Meneguz, and


Feldgrill, M. T. 2012. Veränderung der Habitatqualität und Raumnutzung des Auerwildes (Tetrao urogallus) am Rosenkogel bei Stainz in der Steiermark.


Forstner, M. [Does the alpine Black Game have a future?]. Oesterreichische Forstzeitung 98(7):42-43. (in German).


Gagina, T. N. 1965. Wood grouse [*Tetrao* spp.] found in the region of Lake Baikal


pardilla en el Parque Nacional de Ordesa y Monte Perdido. [Inventory and criteria for the management of the Capercaillie, the Rock Partmigan and the Partridge in Ordesa and Monte Perdido National Park.] Naturaleza Aragonesa 18:20-28. (in Spanish).


Gladstone, H. S. 1924. The distribution of Black Grouse in Britain. British Birds


Gorban, I. M., and I. V. Skilsky. 2016. [About the need for population monitoring of Capercaillie (Tetrao urogallus) and Black Grouse (Tetrao tetrix) in the Ukrainian Carpathians.] [Regional aspects of floristic and faunistic studies.] Pp.24-27. (in Ukrainian).


March 16th - 20th, 1981.


natural history of the wood grouse (*Tetrao urogallus* L.).] Lepizig: W. Engelmann. 9pp. (in German).


of Ljubljani. (in Slovenian with English abstract).


Haarstick, K.-H. 1979. Erfahrungen bei der Haltung und Aufzucht von Auerwild (Tetrao urogallus L.) in der Aufzuchtstation im Staatlichen Forstamt Lonau/Harz. [Experiences derived from the keeping and breeding of Capercaillie (Tetrao


Harvie-Brown, J. A. 1908. Capercaillie in Dee. Annals of Scottish Natural History 1908:


Helminen, M., and J. Viramo. 1962. Animal food of Western Capercaillies (Tetrao urogallus) and Northern Black Grouse (Lyrurus tetrix) in autumn. Ornis Fennica 39:


Herzog, S. 2010. Fuer und Wider von Wiederansiedlungsprojekten, dargestellt am Beispiel des Luchses (Lynx lynx) und des Auerhuhnes (Tetrao urogallus) im Harz. [For and against reintroduction projects, by example of the lynx (Lynx lynx) and the Capercaillie (Tetrao urogallus) in Harz.] Artenschutzreport 26:55-57. (in German).


Hjorth, I. 1990. [Does the Capercaillie need a courtship arena - a lek?] Sveriges Lantbruksuniversitet Institutionen for Viltekologi Rapport Suppl. 15:7-14,63. (in Swedish with English summary).


594


Holzinger, J., and M. Rosler. 1990. Vorkommen des Auerhuhns (Tetrao urogallus major C. L. Brehm, 1831) am Athos (Greichenland). [The occurrence of the
Capercaillie (Tetrao urogallus major C. L. Brehm, 1831) at the Mount Athos (Greece). Journal of Ornithology 131:95-96. (in German with English summary).


Hovel, S. 1996. Untersuchung über die Voraussetzungen zur Erhaltung des Birkhuhnes (Tetrao tetrix L.) in Oberschwaben sowie seiner oberschwäbischen Moorlebensräume : unter Einbeziehung von Ergebnissen des Birkwild-


Isomursu, M., O. Ratti, T. Liukkonen, and P. Helle. 2012. Susceptibility to intestinal parasites and juvenile survival are correlated with multilocus microsatellite
heterozygosity in the Capercaillie (*Tetrao urogallus*). Ornis Fennica 89:109-119.


601


Kask, E. 1993. [Black Grouse were singing.] Eesti Loodus 3:67-68. (in Estonian).


Kervinen, M., C. Lebigre, and C. D. Soulsbury. 2016. Simultaneous age-dependent


Kirpichev, S. P. 1974. The distribution of Black-billed and Common Capercaillie in the


Klaus, S. 1995. [Capercaillie (Tetrao urogallus major Brehm).] Wald 45(3):96-98. (in German).


presented at 13th International Grouse Symposium).


https://doi.org/10.30766/2072-9081.2019.20.5.508-516


Kotnik, J. 2011. Prostorska razporeditev in spremljanje stevilcnosti divjega petelina (Tetrao urogallus) in rusevca (Tetrao tetrix) v prostoru in casu. [Spatial distribution and the variation in number of Capercaillie (Tetrao urogallus) and Black Grouse (Tetrao tetrix) in space and time.] M. Sc. Thesis. (in Slovenian).


Kozma, R. V., P. Melsted, K. P. Magnusson, and J. Hoglund. 2016. Looking into the past – the reaction of three grouse species to climate change over the last million


Kucera, L. 1975. Verbreitung und populationdichte von Auerhuhn (Tetrao urogallus), Birkhuhn (Lyrurus tetrix) und Haselhuhn (Tetrastes bonasia) im westlichen Teil von Sumava (CSSR). [Range and population size of Capercaillie (Tetrao urogallus), Black Grouse (Lyrurus tetrix) and Hazel Grouse (Tetrastes bonasia) in the western part of Sumava (CSSR).] Ornithologische Mitteilungen 27:160-169. (in German).


(Tetrao urogallus) im Westerwald im 19. Jahrhundert. [The historical
distribution, stock size and dying out of the Capercaillie (Tetrao urogallus) in the
Westerwald (Rhineland-Palatinate) in the 19th century.] Fauna und Flora in

Kurhinen, J., A. Ajupov, T. Bespalova, P. Danilov, Z. Drozdova, F. Fyodorov, P.
Helle, V. Krabry, S. Kochanov, A. Korolov, E. Larin, H. Linden, V.
Mamontov, A. Meidus, N. Neifeld, O. Ovaskainen, A. Pavlov, P. Pinimov, A.
Black Grouse population changes in boreal forests of Eurasia. Grouse News
50:34-35. (Abstract only, presented at 13th International Grouse Symposium).

Kurhinen, J., P. Danilov, A. Gromtsev, P. Helle, and H. Linden. 2009. Patterns of Black
Grouse, Tetrao tetrix distribution in northwestern Russia at the turn of the

Kurki, S. 1997. Spatial variation in the breeding success of forest grouse: the role of

and Capercaillie in relation to mammalian predator densities on two spatial scales.
Oikos 79:301-310.

Kurki, S., and H. Linden. 1993. The effect of forest area on grouse densities obtained in

Kurki, S., and H. Linden. 1995. Forest fragmentaion due to agriculture affects the
reproductive success of the ground nesting Black Grouse. Ecography 18:109-
113.

Kurki, S., A. Nikula, P. Helle, and H. Linden. 1997. Landscape-dependent breeding
only.

Kurki, S., A. Nikula, P. Helle, and H. Lindén. 1998. Forest fragmentation modifies
interspecific interactions: increased predation by red fox on forest grouse.
Environmental Forest Science : 173-174.

Kurki, S., A. Nikula, P. Helle, and H. Lindén. 2000. Landscape fragmentation and forest
composition effects on grouse breeding success in boreal forests. - Ecology 81:

(Tetraonidae) in the reserve "Basegi" (Perm region) in the years 2001-2011.] Pp.
121-125 IN: [Man and nature - interaction on specially protected natural
territories. Materials of interregional scientific and practical conference dedicated


Leclercq, B. 1987. Influence de quelques pratiques sylvicoles sur la qualité des biotopes à Grand Tétras (Tetrao urogallus) dans le massif du Jura. [Influence of some forestry practices on the quality of the biotopes with Capercaillie (Tetrao urogallus) in the solid mass of the Jura.] Acta Oecologica 8:237-246. (in French)


Lipkovich, A. D. 2018. [Some data on the biology of Caucasian Black Grouse Lyrurus mlokosiewiczi, Great Rosefinch Carpodacus rubicilla and Red-bellied Redstart]

Lipowski, F. 2005. Pozorovani tetryva hlusce (Tetrao urogallus) na Jablunkovsku (Beskydsky bioregion, Ceska republika) v soucasnosti. [Recent observation of Capercaillie (Tetrao urogallus) in the surroundings of the town of Jablunkov (Beskydsky biogeographical region, Czech Republic).] Prace a Studie Muzea Beskyd Prirodni Vedy 15:227-228. (in Czech).


Lonnberg, E. 1925. En marklig Orre (*Lyrurus t. tetrix*). Fauna Och Flora 1925:97-100. (in German).


Marti, C. The Swiss Capercaillie Protection Project. Memoires de la Scoiote Vaudoise


Martinoli, A., D. G. Pretoni, F. Bisi, A. Gagliardi, and A. Martinoli. 2017. Where is the pulse to have the finger on? A retrospective analysis of two decades of


Menoni, E., M. Levet, and P. Landry. 1996. Cartographie de l’habitat du Grand Tétras *Tetrao urogallus* en France - Un exemple d’application : Effet de sa fragmentation sur une population pyrénéenne. [Cartography of the habitat of the


Merta, D., J. Kobielski, A. Krzywiński, and Z. Rzonca. 2013. Czynna ochrona


Mierzwinski, W. 1989. [The Black Grouse, Lyrurus tetrix - a bird population...


Mikoláš, M., M. Svitok, K. Bollmann, J. Reif, R. Bače, P. Janda, V. Trotsiuk, V. Čada, L.


Milonoff, M., and H. Linden. 1989. Sexual differences in energy allocation of


The consequences and limitations of hybrids for some tetraonids (Capercaillie, Black Grouse, and hybrids): (Tetrao urogallus L., Lyrurus tetrix L., and L. tetrix x T. urogallus.) Ph. D. Dissertation. 113pp. (in German)


Muller, Fr. 1908. [Tetrao urogallus lugens in northern Finland.] F. Jakttidn. 3:257-258.


Nania, I. 2000. Cocosul de camp, cocosul de padure sau cocosul aldai. [The plain cock, the forest cock or the "aldai" cock (Lyrurus tetrix tetrix L.).] Satu Mare Studii si Comunicare Seria Stiintele Naturale 1:182-219. (in Romanian).


Nastyukov, N. Z., and E. V. Gvozdev. 1986. [Short notes on the Black-bellied Grouse along the Gurev Kandagach Railway.] P.99 In: Rare species of animals of Kazakhstan.


Newlands, W. A. 1976. [Reintroduction of the Capercaillie (Tetrao urogallus).] Serie


problem of the reconstruction of the population.] NNA-Berichte 9:11-20. (in German).


Ogurlu, I. 1997. Dag horozu (Lyrurus mlokosiewiczi (Tackanowski))'nun Turkiye'deki...
The Status of Caucasian Black Grouse (Lyrurus mlokosiewiczi (Tackanowski)) in Turkey and an Observation in Sivrikaya (Rize - ikizdere.)] Turkish J. Zool. 21:79-83. (in Turkish).


Pascual-Hortal, L., and S. Saura. 2008. Integrating landscape connectivity in broad-


Piminov, V. N., and D. P. Strelnikov. 2018. [Forest tetraonidae grousse in Russia and


Capercaillie *Tetrao urogallus cantabricus* population size and range trend. Will the Capercaillie survive in the Cantabrian Mountains? Grouse News  26:3-5.


Porkert, J. 1995. Hybrids between Capercaillie (Tetrao urogallus) and Black Grouse (Tetrao tetrix) and their characteristics. Fauna (Oslo) 48:52-61.


683


Purnat, Z., M. Cas, and M. Adamic. 2007. Problematika ohranjanja habitatata divjega petelina *Tetrao urogallus* na Menini (osrednja Slovenija) in vpliv pasnistva. [The issue of preserving the habitat of the wild Capercaillie *Tetrao urogallus* at Menina (central Slovenia) and the impact of grazing.] Acrocephalus Ljubljana 28:105-118. (in Slovenian).


Quevedo, M., and M. J. Banuelos. 2007. La prioridad de proteger el hábitat del urogallo cantábrico. [The priority to protect the habitat of the Cantabrian Capercaillie.] Quercus 251:80-82. (in Spanish).


Rajala, P. 1966. The number of tetraonid birds and their occurrence in different habitat types in the Oulu district according to compass line census. Suomen Riista 19:130-144.


(Black Grouse, Capercaillie, Hazel Grouse).


Renard, F. 1988. [Observation of remains of tiger moth caterpillars Arctia caja in the


Rintamaki, P. T., R. V. Alatalo, J. Hoeglund, and A. Lundberg. 1997. Fluctuating


693


Perspectivas sobre la viabilidad de la cria en cautividad del urogallo cantabrico. [Perspective on the viability of propagation in captivity of Cantabrian Capercaillie.] Quercus 266:80-81. (in Spanish).


University of Environmental and Life Sciences. (in Polish with English summary).


Rock Ptarmigan).


urogallus major) in the forest administration MERAN, Stainz.] Diplomarbeit, Universität für Bodenkultur, Wien, 116 Seiten. (in German).


Schumacher, S. 1925. Der Bau der Blinddärme und des übrigen Darmrohres vom
Spielhahn (*Lyrurus tetrix* L.) [The development of the intestinal tract of the Black Grouse (*Lyrurus tetrix* L.).] Anatomy and Physiology 76:640-644. (in German).


Scopin, A., V. Solovyev, and A. Saveljev. 2017. Live-catching, keeping and welfare of Capercaillies in captivity – Russian experience. P. 33 IN: Biology, ecology, and protection of forest grouse in Poland and in Europe, At Kliczkow Castle, Bory Dolnoslaskie Forest, Poland; 6-8 September 2017. (Abstract only).


Segelbacher, G., and J. Hoglund. 2000. Using microsatellites to study the conservation


Selas, V. 2019. Annual change in forest grouse in southern Norway: variation explained


Capercaillie in the Upper Bavarian Forest and Bohemian Forest: pp. 93-118. (in German and Czech).


Sirkia, S., P. Helle, H. Linden, A. Nikula, K. Norrdahl, P. Suorsa, and P. Valkeajarvi. 2011. Persistence of Capercaillie (*Tetrao urogallus*) lekking areas depends on forest cover and fine-grain fragmentation of boreal forest landscapes. Ornis Fennica 88:14-29.


Sirkia, S., A. Linden, P. Helle, A. Nikula, J. Knape, and H. Linden. 2010. Are the declining trends in forest grouse populations due to changes in the forest age structure? A case study of Capercaillie in Finland. Biological Conservation 143:1540-1548.


Steiner, H., A. Schmalzer, and N. Puehringer. 2007. Limiterende Faktoren fuer Auerhuhn (Tetrao urogallus), Birkhuhn (Tetrao tetrix) und Haselhuhn (Bonasa bonasia) nach Untersuchungen im Nationalpark Kalkalpen. [Capercaillie (Tetrao urogallus), Black Grouse (Tetrao tetrix), and Hazel Grouse (Bonasa bonasia) in 'Kalkalpen' national park: populations, habitats and management. Denisia 21, 15 November 2007:1-148. (in German with English summary).


Strand, T., B. A. Wang, Y. Meyer-Lucht, and J. Hoglund. 2013. Evolutionary history of Black Grouse major histocompatibility complex class IIB genes revealed through


(Black Grouse, Capercaillie, Hazel Grouse, Willow Grouse).


Unger, C., and S. Klaus. 2013. Schlafbaumwahl von Auerhühnern *Tetrao urogallus* aus
Russland nach Translokation ins Thüringer Schiefergebirge. [Selection of roosting trees in Winter by Capercaillie *Tetrao urogallus* from Russia after translocation to the Thuringian slate mountains.] Vogelwarte 51:39-46. (in German with English abstract).


alpini per la programmazione di interventi di miglioramento ambientale; relazione analisi parasitologiche stagioni venatorie 2012/2013 e 2013/2014.


Villanueva, R. L. 2011. Implementación de una red telemática que facilite el anillamiento de la hembra de urogallo. [Deployment of an IP camera network which aims to determine the time when Western Capercaillie hatch out of eggs, in order to ring the female birds.] B. Sc. Thesis. Universitat Oberta de Catalunya. (in Spanish with English abstract).


Waal, B. de. 1996. Een studie naar een mogelijk calciumgebrek bij het Nederlandse korhoen (*Tetrao tetrix*) en het effect hiervan op het nest success. [A study to a possible calcium lack at the Dutch Black Grouse (*Tetrao tetrix*) and the impact of
Afstudeerverslag Hoge School van Utrecht, Faculteit Educatieve Opleidingen, Vakgroep Biologie. (in Dutch).

Wagner, E. 1988. Effects of inadequate predator control on the reintroduction of Capercaillie. Proceedings of the 4th International Grouse Symposium, Lam, West Germany,


Waterston, J. 1922. On the Ischnocera (bird lice or Mallophaga) parasitic on British


Capercaillie *Tetrao urogallus* males outside the lek during spring. *Ornis Fennica* 82:147-154


Whyte, L. E. 2017. Investigating the relative effects of predation, from Crows (Corvus corone), and inter-specific competition, from Black Grouse (Tetrao tetrix), on Capercaillie (Tetrao urogallus) population dynamics. Grouse News 53:10-14.

Widén, E. 2016. Hur påverkas tjäder (Tetrao urogallus), orre (Tetrao tetrix) och järpe (Bonasa bonasia) av dagens moderna skogsbruk? [How is the Capercaillie (Tetrao urogallus), Black Grouse (Tetrao tetrix) and Hazel Grouse (Bonasa bonasia) of today's modern forestry?] Unpublished paper, Independent Project in Biology, Uppsala University. (in Swedish).


Winqvist, T. 1990. [What do the Capercaillie lek-forests look like?] Sveriges
Lantbruksuniversitet Institutionen for Viltekologi Rapport Suppl. 15:17-20, 64. (in Swedish with English summary).


Zbinden, N. 1979. (1.) Zur Oekologie des Haselhuhns (Bonasa bonasia) in den Buchenwäldern des Chasseral, Faltenjura ; (2.) Zur Verdaulichkeit und umsetzbaren Energie von Tetraoniden-Winternahrung und zum Erhaltungsbedarf des Birkhuhns (Tetrao tetrix) in Gefangenschaft mit Hinweisen auf Verdaulichkeitsversuche. [1.) To the ecology of the Hazel Hen (Bonasa bonasia) in the beech forests of the Chasseral, fold law; (2.) On the digestibility and metabolizable energy of tetraonid winter food and on the energy requirements for maintenance of Black Grouse (Tetrao tetrix) in captivity, with remarks on digestibility trials.] Ph. D. Dissertation. Naturwiss. Bern. (in German).


verschiedenen Hoehenstufen im Tessin, Suedschweiz. [The importance of temperature during the early chick-rearing period for the reproductive success of Black Grouse Tetrao tetrix at different altitude levels in the Ticino, southern Swiss Alps. Ornithologische Beobachter 101:307-318. (in German with English summary).


Zlotorzycka, J., and J. Danecki. 1962. [Observations on vitality of Mallophaga from dead wood-grouse (*Tetrao urogallus* L.).] Wiadom. parazyt. 8:599-564. (in
Polish).


Tympanuchus (prairie-chickens and Sharp-tailed Grouse)


Anderson, L. C. 2012. Nest and brood site selection and survival of Greater Prairie-


Bacon, B. R. 1981. Cooper’s Hawk takes two prairie chickens off booming ground.
Passenger Pigeon 43:51.


Texas Tech University, Texas Parks and Wildlife. 30pp.


Bell, L. 2010. A spatially-based planning tool designed to reduce negative effects of development on the Lesser Prairie-Chicken Tympanuchus pallidicinctus in Oklahoma: A multi-entity collaboration to promote Lesser Prairie-Chicken


movements of Columbian Sharp-tailed Grouse associated with Conservation Reserve Program and mine reclamation. Western North American Naturalist 65:36-44.


Bouzat, J. L. 1998. The genetic consequences of fragmentation and small population size in two grassland bird species: The Greater Rhea and the Greater Prairie-


Brown, R. L. 1968. Effects of land-use practices on Sharp-tailed Grouse. P-R Job Completion Report, Project W-91-R-9, Montana and Fish Game Department, Helena. 11pp.


Cade, T. J., and J. L. Buckley. 1953. A mass emigration of Sharp-tailed Grouse from


University, Manhattan.  61pp.


Christisen, D. M.  1968.  Prairie Chicken \( (\text{Tympanuchus cupido}) \).  Missouri Animals.


(P.A. Vohs, and F.L. Knopf, eds.). Oklahoma State University, Stillwater.


Conway, W. P. Lesser Prairie Chicken, a species to be watched. Pamphlet produced by Colorado Natural Areas Program, USDA Forest Service, and Colorado Division Of Wildlife.


Corman, K. S. 2011. Conservation and landscape genetics of Texas Lesser Prairie-


South Dakota Department of Game, Fish and Parks. Pittman-Robertson Project, W-95-R-17; Game report No. 86-13. 22pp.


Cushing, J. E. Jr. 1941. The Colombian Sharp-tailed Grouse in Lake County, Oregon. Condor 43:75.


Dahlgren, R. B. 1957. The rural mail carriers summer survey, 1957. P. R. Project W-17-R-12, Job Outline P-2.2. South Dakota Department of Game, Fish, and Parks.


Ellsworth, D. L. 1991. Mitochondrial DNA and nuclear gene diversity among whitetailed deer (Odocoileus virginianus) populations in the southeastern United States and within the American prairie grouse (Tympanuchus) complex. Ph. D.
Dissertation. Texas A&M University.


Emery, N. G. 2013. Seasonal resource selection, site-specific brood predictors, and nest


Ferro, P. J., M. E. Morrow, J. P. Flanagan, B. Ortego, R. E. Chester, J. M. Mueller, and


Frary, L. G. 1955. Rodent-predator relationships as a factor on prairie chicken habitat and reproduction. New Mexico Department of Game and Fish, Federal Aid in
Wildlife Restoration, Project W-077-R-01. 3pp.


Frary, L. G. 1957. Prairie chicken food habits investigation. New Mexico Department of Game and Fish, Federal Aid in Wildlife Restoration, Project W-077-R-03. 7pp.


Giesen, K. M. Recommendations for monitoring habitats of Lesser Prairie-Chickens in sand sagebrush habitats in Colorado.


803


Goddard, A. D., and R. D. Dawson. 2009. Seasonal changes in habitat features
influencing nest survival of Sharp-tailed Grouse in northeastern British Columbia, Canada. Ecoscience 16:476-482.


Ornithology 130:626-638.


Hagen, C. A., K. A. Taylor, A. M. Bartuszevige, A. B. Daniels, M. T. DeLeon, and M.


Hanowski, J. M., and G. M. Niemi. 1986. Dynamics of habitat characteristics for American Bittern, Yellow Rail, Sharp-tailed Grouse, and Sharp-tailed Sparrow breeding territories. Special Report to Minnesota Department of Natural Resources by Natural Resources Research Institute, Duluth, Minnesota. 27pp.


Harrison, J. O. 2015. Assessment of disturbance effects of an existing wind energy facility on Greater Prairie-Chicken (Tympanuchus cupido pinnatus) breeding season ecology in the Sandhills of Nebraska. M. Sc. Thesis, University of Nebraska, Lincoln, USA.


Thesis. Emporia State University, Kansas. 48pp.


Horak, J. 196-. Progress of prairie chicken studies in Kansas. 7pp.


Horkel, J. D. 1979. Cover and space requirements for Attwater's Prairie Chicken (Tympanuchus cupido attwaterii) in Refugio County, Texas. Ph. D. Dissertation, Texas A&M University, College Station. 96pp.


Horton, R., L. Bell, C. M. O’Meilia, C. Hise, D. Wolfè, and D. Elmore. 2010. A spatially-based planning tool designed to reduce negative effects of development on the Greater Prairie-Chicken (Tympanuchus cupido) in Oklahoma: A multi-entity collaboration to promote Greater Prairie-Chicken voluntary habitat conservation and prioritized management actions. Oklahoma Department of


Hull, S., and K. McGinley. 2015. Wisconsin Sharp-tailed Grouse survey 2015. Wisconsin Department of Natural Resources, Wisconsin Rapids, WI.

Hull, S., and K. Pham. 2016. Wisconsin Sharp-tailed Grouse survey 2016. Wisconsin Department of Natural Resources, Wisconsin Rapids, WI.


Janson, R. 1948. Aerial prairie grouse census; Prairie grouse trapping and banding; Grouse bag check. P. R. Quarterly Progress Report No. 10. South Dakota Department of Game, Fish, and Parks.

Janson, R. 1949. Prairie grouse population surveys during the spring of 1948. P. R.


Klett, A. T. 1956. 1956 prairie grouse census. P. R. Project 35-R-3, Job Nos. 7, 8, 9; Project 35-R-4, Job No. 11. North Dakota State Game and Fish Department.


Klett, A. T. 1959. Sex and age data from Sharp-tailed Grouse bagged during the 1957
hunting season. P. R. Project W-35-R-5, Job No. 11. North Dakota State Game and Fish Department.

Klett, A. T. 1959. Sharp-tailed Grouse sex and age data collected during the 1958 hunting season. P. R. Project W-35-R-6, Job No. 10A. North Dakota State Game and Fish Department.


partnership News 5:22-23.


Ligon, J. S. 1946. Upland game bird restoration through trapping and transplanting. New Mexico Game and Fish Commission. 77pp.


management. Ecosphere 10(12):e02982. 10.1002/ecs2.2982


reproduction, and population viability. Ph. D. Dissertation. Texas A&M
University. 84pp.

DeMaso. 2009. Breeding and non-breeding survival of Lesser Prairie-

Lyons, E. K., R. S. Jones, J. P. Leonard, B. E. Toole, R. A. McCleery, R. R. Lopez,
M. J. Peterson, and N. J. Silvy. 2011. Regional variation in nesting success of
Studies In Avian Biology (no. 39), University of California Press, Berkeley, CA.

Maertens, G. H. 1973. The status of the prairie chicken in Minnesota: habitat
management practices. Pp.89-91 in The prairie chicken in Minnesota (W. D.
Svedarsky and T.J. Wolfe, eds.). University of Minnesota, Crookston.


Malone, K. 2012. Assessing the need for and impact of translocation as a means of
genetic rescue in a declining population of Sharp-tailed Grouse (*Tympanuchus

Maltbie, M. 1992. DNA fingerprints as a measure of genetic similarity in the
University, Lubbock.

Grouse Habitat Management Plan Area, Washington County, Idaho. – Technical
Bulletin, Idaho Department of Fish and Game. 79pp.


Windswept prairies… last stand for prairie grouse, or will wind sweep the prairies
Prairie-Chicken, Sharp-tailed Grouse).

Minnesota: Conference Proceedings, April 28, 1973 (W. D. Svedarsky and T.
Wolfe, eds.).

Manske, L. L. 1995. Habitat management for the prairie grouse on the Sheyenne
National Grasslands. North Dakota State University, Dickinson Research


Marks, J. S., and V. S. Marks. 1987. Influence of radio-collars on survival of Sharp-


Mattise, S. N. 1978. Effects of pasture management on Sharp-tailed Grouse nesting and


Department of Wildlife, Parks, and Tourism, Oklahoma, Department of Wildlife Conservation, and Western Association of Fish and Wildlife Agencies by Western EcoSystems Technology, Inc. 58pp.


McKinney, L. B. Jr. 1996. Forty years of landscape change in Attwater’s Prairie Chicken habitat within the coastal prairie of Texas. M. Sc. Thesis. Texas A&M University, College Station, TX.


Miller, M. 2010. Hixon Columbian Sharp-tailed Grouse project. Grouse Partnership


Minnesota Department of Natural Resources. 1989. Managing your land for Sharp-tailed Grouse.

Minnesota Sharp-tailed Grouse Society. Sharp-tailed Grouse habitat management for private landowners. 6pp.


Natural Resources Conservation Service. 1999. Lesser Prairie-Chicken *(Tympanuchus pallidicinctus)*. Fish and Wildlife Management Leaflet No. 6


Nebraska Game and Parks Commission. 1975. Surveys and management of prairie


Olawsky, C. D., and L. M. Smith. 1991. Lesser Prairie Chicken densities in


Patten, M. A., D. H. Wolfe, and S. K. Sherrod. 2006. The effects of shrub control and
grazing on habitat quality and reproductive success of Lesser Prairie-Chickens. Final Report to New Mexico Department of Game and Fish. 21pp.


Pham, K., and S. Hull. 2015. Sharp-tailed Grouse harvest & hunter survey 2015. Wisconsin Department of Natural Resources, Wisconsin Rapids, WI.


Pietz, H. H. 1965. 1964 rural mail carrier game survey. South Dakota Department of Game, Fish, and Parks.


Proett, M., S. B. Roberts, and T. A. Messmer. 2016. Double-brooding observed in a Columbian Sharp-tailed Grouse (*Tympanuchus phasianellus columbianus*) in


Purvis, J. R.  1995.  Implications of Canada, Snow, and White-fronted Geese and Northern Bobwhite as disease reservoirs for the Attwater’s Prairie-Chicken.  MS Thesis.  Texas A&M University, College Station, TX.


Robb, L., and M. Schroeder. 2011. Landscape connectivity modeling for Sharp-tailed


Energy.


Schmidt, A. P. 1980. The ecology of Sharp-tailed Grouse during winter in


Scott, M. 2002. The first, annual, High Plain Prairie Chicken Festival. Grouse


Sharpe, R. S., and J. Skoudlin. 1989. Post-settlement demography of prairie chickens


Simon, S. E. 2014. Cloacal microbiota of captive-bred and wild Attwater’s Prairie-


effects of an existing wind energy facility on lekking behavior of Greater Prairie-Chickens. Ethology 122:419-429.


Spencer, D. A. 2014. A historical record of land cover change of the Lesser Prairie-


Sullins, D. S., J. D. Kraft, D. A. Haukos, S. G. Robinson, J. H. Reitz, R. T. Plumb, J.


Svedarsky, W. D., T. J. Wolfe, and J. E. Toepfer. 1999. Status and management of


Turner, J. P. 1917. The Prairie Chicken; its distribution and need of protection. 2018 reprint. Facsimile Publisher, Dehli, India. 16pp.


Acoustical Society of America 137:2219.


Wetmore, A. 1936. The range of the Sharp-tailed Grouse in New Mexico. Condor 36:90.


Williams, B. 1993. A cooperative effort to recover the Attwater's Prairie Chicken


Wisconsin Department of Natural Resources. 1995. This wide horizon, A habitat preserved. Greater Prairie Chicken: A Wisconsin wildlife success story.

Wisconsin Department of Natural Resources. The Prairie Chicken in Wisconsin. Brochure


Yocom, C. F. 1952. Columbian Sharp-tailed Grouse (*Pedioecetes phasianellus*)


General Grouse


Alder, H. E. 1935. Determining the sex of day-old chicks. Nebraska Experimental Station Circular 51. 81pp.


Allen, E. A. 1934. Eimeria angusta sp. nov. and Eimeria bonasae sp. nov. from grouse, with a key to the species of Eimeria in birds. Transactions of the American Microscopical Society 53:1-5.


Braun, C. E., and W. B. Willers. 1967. The helminth and protozoan parasites of North


Catt, D. C., D. Dugan, R. E. Green, R. Moncrieff, R. Moss, N. Picozzi, R. W. Summers,


Professional Books, Oxford, UK.


Macpherson, H. A. 1897. A history of fowling: being an account of the many curious devices by which wild birds are or have been captured in different parts of the world. David Douglas, Edinburgh. 511pp.


Moss, R. 1989. Gut size and the digestion of fibrous diets by tetraonid birds. Journal of
Experimental Zoology Suppl. 3:61-65.


Ogilvie-Grant, W. R. 1902. XV.—Remarks on the species of American galliniae recently described, and notes on their nomenclature. Ibis 44:233-245.


Potapov, R. L. 1970. Rol' Beringiyskoy sushi v istorii semeystva teterevinykh Tetraonidae. [Role of the Beringian Land in the history of grouse, the family of Tetraonidae.] Pp. 537-541 in: Severnyy Ledovityy okean i yego poberezh'ye v kaynozoye; Paleogeografiya severnykh territoriy v pozdnem kaynozoye.


Rawley, E. V., and W. J. Bailey. 1964. Utah upland game birds. Utah State Department of Game and Fish Publication 63-12.


Reynolds, J. C. 1990. The impact of generalist predators on gamebird populations. In


Rogers, G. E. 1966. General information on food and cover requirements of grouse in Colorado. Colorado Game, Fish, and Parks Department, Game Information Leaflet No. 39. 4pp.


Stock, A. D., and T. D. Bunch. 1982. The evolutionary implications of chromosome-


Tornberg, R. 2001. Pattern of Goshawk Accipiter gentiles predation on four forest
grouse species in northern Finland. Wildlife Biology 7:245-256.


Related Topics


Bingham, R. J., R. T. Larsen, J. A. Bissonette, and J. O. Hall. 2015. Widespread ingestion of lead pellets by wild Chukars in Utah. Wildlife Society Bulletin


Champagnon, J., M. Guillemain, J. Elmberg, G. Massez, F. Cavallo, and M.


Harrison, B. D. Inouye, and H. D. Safford. 2003. Ecological heterogeneity in the
effects of grazing and fire on grassland diversity. Conservation Biology 17:837-845


Leopold, A. 1931 Game survey of the north central states.


Panuccio, M. 2018. Ecological publishing nowadays: the abandonment of binoculars


Management 57:690-695.


Sexson, M. L.  Destruction of sandsage prairie in southwest Kansas.

Sexson, K., and J. Horak.  197X.  The upland birds.  Kansas Fish & Game Magazine.


USFWS. 2001. Endangered and Threatened Wildlife and Plants; Review of Plant and Animal Species that are Candidates or Proposed for listing as Endangered or Threatened, Annual Notice of Findings on Recycled Petitions, and Annual


Conservation.

