

DAVIA VULGARIS, TRINGA VANELLUS

# Birding Wageningen

70 year Vogelwerkgroep KNNV

## Exhibition

17 October 2016  
until 20 March 2017

Monday - Friday  
9.00 - 13.00 (afternoon  
by appointment)

## Wageningen University & Research - Library

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## Birding Wageningen, 70 year Vogelwerkgroep KNNV

**Exhibition 17 October 2016 until 20 March 2017**

The exhibition offers a glimpse into the rich collections of books, prints, posters and drawings from the [Special Collections](#) of Wageningen University & Research - Library.

Exhibition Location: Wageningen Campus, Droevendaalsesteeg 2,  
Forum (Building 102), 6708 PB Wageningen.

"Birding Wageningen" is on display in the [Special Collections reading room](#) from Monday to Friday, 9:00 am to 1:00 pm. To visit the collection in the afternoon or with a group, please inquire with [Special Collections](#) for an appointment.

Production: Liesbeth Missel (selection, composition & text);  
team Special Collections, Wageningen University & Research - Library

Wageningen: Wageningen University & Research - Library, 2016.

More information and group tours:

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"Birding Wageningen, 70 years Vogelwerkgroep KNNV" is the new exhibition of the Special Collections in the Forum Library. In a 'bird's eye view' we outline the history of research on birds, from antiquity to the modern techniques, like 3-D printing of bird eggs. Magnificent bird books such as the 18th-century large folio *De Nederlandsche Vogelen* by Nozeman and Sepp and books of famous bird illustrators can be seen in the exhibition as well as more modern works, recent bird survey maps and reports and some (giant) eggs. Special themes in the exhibition are the lapwing - in the Dutch Year of the Kievit, the study of bird eggs (oology), and Wageningen-based research.

Last year members of the Vogelwerkgroep Wageningen (part of the KNNV-association for field biology) visited the Special Collections to see the original of the recently reissued *De Nederlandsche Vogelen*. They were surprised and impressed by the richness of the Collection's bird books. At its foundation Wageningen received many book donations and collected old natural history books to build a broad scientific library collection. That one of its librarians at the time, Van Pelt Lechner, was a well-known birder and oologist might have helped to build this collection. A large collection of birding books and field guides came into the collection as the libraries of forbearers of Wageningen Environmental Research (RIVON, RIN, IBN, Alterra) became part of the library of Wageningen University & Research. Soon after its visit the Vogelwerkgroep Wageningen requested the Library to make a special exhibition dedicated to its 70th anniversary in 2016 .

## 1. Bird's-eye view on birding history

Already in prehistoric times people were interested in birds. Birds are depicted on petroglyphs from all around the world. They did this for different reasons, sometimes spiritual or religious, sometimes also very practical, hunting with birds or on birds. In ancient Egypt we know of the god Horus depicted as a falcon, for instance. Among the Greeks, with Aristotle as a precursor, we see the first interest in birds as natural phenomena that has its own purpose and value. The study of birds was done by personal observation. However, that tradition is lost with Pliny (Plinius). In his *Naturalis Historia* he copies everything he has heard or read including all kinds of fabrications and myths. One such a myth is the phoenix bird that rises from the ashes. Another, the pelican that feeds his young with its own blood from its chest. These kept on being copied for centuries. Interest in birds in the Middle Ages is characterized by copying older texts, simplify images, and attaching moral and religious symbolism (Hieronymus Bosch). Even during the thirteenth century in Italy, the treatise on agriculture Petrus de Crescentiis was largely based on classical and medieval sources, as well as his own experience as a landowner. He writes about several ways to catch birds, with nets, with birdlime and sometimes using other birds like falcons and little owls (*Athene noctua/Steenuil*).

### Antiquity & Middle Ages

1. MacGillivray, W.; *Lives of eminent zoologists from Aristotle to Linnaeus*  
Edinburgh: Cabinet Library, 1834. - 392 p.  
FORUM - SPEC.COLL. - RHH1446,16 [p.66]

2. Plinius, C. [*1st Century AC*]; *Des wijdt-vermaerden Natuer-kondigers vijf boecken : handelende van de nature, van de menschen; van de viervoetige en kruypende dieren; van de vogelen; ...*  
Laetsten dr. - Amsterdam: Weduwe van Michiel de Groot, 1681. - 568 p. : kopergr.  
FORUM - SPEC.COLL. - R337F05

&  
Plinius, C.; *De wereld*  
Amsterdam: Athenaeum-Polak & Van Gennep, 2004. - 899 p : krt.

## FORUM - BOOKS - 107-A/2004-13

In dit overzicht van antieke kennis, gebaseerd op honderden Griekse en Romeinse bronnen, behandelt Plinius (23-79) achtereenvolgens de hemel, de aarde, mensen, dieren, planten, geneesmiddelen, steen, metalen en kunstwerken. Hij schrijft over insecten, vogels, exotische beesten, rare mensen, overstromende rivieren, ingepolderd land. Honderden plantaardige en minerale geneesmiddelen worden beschreven, tegen allerlei kwalen, vaak onzinnig, dikwijls effectief, maar altijd boeiend. Deze uitgave bevat een ruime en representatieve selectie uit alle zeventig boeken van een van de interessantste schrijvers uit de Oudheid. Plinius kwam om bij de vulkaanuitbarsting van de Vesuvius.

**3. Crescentiis, Petrus de** [ca. 1300 AC]; Von dem nutz der ding die in aeckeren gebuwet werde[n] Gedruckt zu Strassburg: Joanne[m] Schott,... Joannis Knoblauch, und Pauli Goetz, 1518. - 169 fol.

FORUM - SPEC.COLL. - R334C15 // <http://edepot.wur.nl/272362>

First German edition of one of the most attractive natural history books of the post incunable period. Crescenzi was born in Bologna c. 1231. He compiled his text around 1300, drawing on the Roman writers whose works form the 'Scriptores rei rusticae', Cato, Columella, Varro, and Palladius. The contents of Crescenzi's book provided anyone who owned land with a well-organized manual of procedure. The (book) is divided into twelve sections, each of which addressed itself to a specific agricultural topic.

## Renaissance Birding

The oldest books (15th - 16th century) often show quite awkward images of birds, while from the same period also beautiful drawings and paintings are known. This has several causes. The illustrations in books are done by the technique of woodcuts. Here everything from a woodblock that does not need to be printed, must be chopped from woodblock leaving only the image standing. As a result, a refined image is not possible. In addition, the images were often not made of birds but from skins or from 'hearsay', a description or rough sketch of someone other than the creator of the artwork. Besides, for agricultural works, like Crescentius and Estienne/Stevens and Liebault identification of species is irrelevant and so the illustration does not need to be as detailed. These books written about birds for practical reasons, hunting with birds, having ornamental birds in the garden like pigeons and peacocks. Also in herbals, such as the one by Hieronymus Bock, we read about birds. Herbals were originally intended as medicinal handbooks describing plants for their pharmaceutical application. As more plants throughout Europe were studied their nutritional value was also described. So in his *Teutsche Speisskammer* (the German pantry) Bock describes birds as a type of food.

**4. Bock, H.;** Kreütterbuch : darin unterscheidt Nammen und würckung der Kreütter, Stauden, Hecken und Beumen sampt ihren Früchten so in teutschen Landen wachsen.... - 3e ed

Strassburg: Johann Rihel, 1580. - [944] p

FORUM - SPEC.COLL. - R336B06 // <http://edepot.wur.nl/59753>

5. Stevens/Estienne, C. ; Liebault, J. ; Sebizius Silesius, M. ; Clamorgan, J.

De veltbouw ofte lantwinninghe : inhoudende eene rechte wel bestellinghe eenes hofs te bouwen, ... Amstelredam: Claesz., 1588. - 254 p. : 24 houtsn.

FORUM - SPEC.COLL. - R353C03

\*: First Amsterdam edition of the very popular work on country-housekeeping by Charles Estienne, in Latin Carolus Stephanus, in Dutch Karel Stevens. It was originally published at Paris in 1554.

## Exotic bird collections

With the discoveries of new bird species in other and unknown parts of the World in the 17th century birding becomes really interesting and a status symbol.. After his career as a botanist in Prague and Leiden Carolus Clusius was the first to write on exotic specimen, plants and animals including birds. The Netherlands with its Dutch East and West India Companies were quite the hub, employing also foreigners, notably Germans, for natural history studies

overseas. Georg Marcgraf and Willem Piso, in the service of Johan Maurits - governor of Brasil, were the first to make descriptions of birds in Brazil. They noticed that the New World avifauna was totally different from that of the Old World. In the Dutch East Indies Georg Rumphius (1629-1702) described and depicted everything he could find on plants as well as curiosities from the mineral world and on the animal kingdom. The latter part of his work was destroyed and Rumphius' notes were probably plagiarized by Francois Valentijn for the natural history part of his 8 volume work on the Dutch Indies.

Due to all these discoveries and wealth from overseas trades the nobility, rich merchants and estate owners started to collect dried specimen, drawings and other natural history curiosities in cabinets and live animals in menageries and aviaries with exotic birds on their country estates. Some were well known such as the one from the prince of Orange, called Little Loo, in The Hague. Most of the drawings made for Aernout Vosmaer's publications were done by the well-known painter Aert Schouman. Book illustrations were now separate prints made through engraving or etching with copperplates allowing very fine drawings coloured by hand. Still the images of birds don't look very natural, probably because they were made from stuffed specimen.

6. Clusius, C. ; Belon, P. ; Monardus, N. ; Vorstius, E.; *Exoticorum libri decem* [Antverpiae]: Raphelengii, 1605-1611. - 6 dl. in 1 bd.  
FORUM - SPEC.COLL. - R334B01 // <http://edepot.wur.nl/59768>

7. Piso, W. ; Marcgrave, G.; *Historia naturalis Brasiliae Lugduni Batavorum [etc.]: Franciscum Hackium [etc.]*, 1648. - [300 p.]  
FORUM - SPEC.COLL. - R333A03 // <http://edepot.wur.nl/185372>

8. Valentijn, F.; *Oud en nieuw Oost-Indien, vervattende een naaukeurige en uitvoerige verhandeling van Nederlands Mogentheynt in die gewesten* Dordrecht ; Amsterdam: J. van Braam ; G. Onder de Linden, 1724-1726. - 5 dl./8 bd. 105 krt., 163 pl.  
FORUM - SPEC.COLL. - R338A02

9. Vincent, L.; *Wondertooneel der nature* Amsterdam : Halma [etc.] 1706, 1715. - 2 dl. in 1 bd. - Dl. 2: Ofte een korte beschrijvinge zo van bloedelooze, zwemmende, vliegende, kruipende ,en viervoetige geklaauwde eijerleggende dieren, .... - Amsteldam : Valk [etc.], 1715  
FORUM - SPEC.COLL. - R337B42

&  
Engel, H. ; Smit, P. ; Sanders, A.P.M. ; Veer, J.P.F. van der; *Hendrik Engel's alphabetical list of Dutch zoological cabinets and menageries.* - 2nd enl. ed.  
Amsterdam: Rodopi, 1986. - 340 p.  
FORUM - SPEC.COLL. - 600-A/1986-01

10. Vosmaer, A.; *Natuurkundige beschrijving eener uitmuntende verzameling van zeldsaame gedierten, bestaande in Oost- en Westindische viervoetige dieren, vogelen en slangen, weleer leevend ... geweest zynde, buiten Den Haag, op het Kleine Loo van Z.D.H. den Prins van Oranje - Nassau* Te Amsterdam: by J.B. Elwe, 1804. - 33 dl. in 1 bd. : 35 pl.  
FORUM - SPEC.COLL. - R345C01(-01/-33) // - R337C26/C30 // <http://edepot.wur.nl/140372>

&  
Vosmaer, A.; *Beschryving van den Amerikaanschen Rots-haan, zynde een wonder-schoone en nog weinig bekende vogel, overgebracht uit Surinamen; ...*  
Te Amsterdam: by Pieter Meijer, 1769. - 7 p. : 1 pl.  
FORUM - SPEC.COLL. - R337C27 / - R345C01-26// <http://edepot.wur.nl/140372>

&  
Vosmaer, A.; *Beschryving van den Amerikaanschen Trompetter, zynde ... vogel, koomende uit Surinamen, en zich thans bevindende in de Diergaarde, ...*  
Te Amsterdam: by Pieter Meijer, 1768. - 8 p. : 1 pl.  
FORUM - SPEC.COLL. - R337C30 / - R345C01-21// <http://edepot.wur.nl/140372>

## Systematic & Encyclopaedic

In the eighteenth century the multitude of new species gives rise to even larger growing problems regarding the naming of species, and placing them in groups with related species. John Ray was the first person to produce a biological definition of species based on their ability to reproduce the same offspring. Together with Willughby he tried to make an overall classification of all species, including bird species. Ray's works were directly influential on the development of taxonomy by Carl Linnaeus whose binomial nomenclature and his taxonomy we still use today. In the Netherlands Linnaeus's system was quickly adapted by Martinus Houttuyn describing the natural history of the Netherlands accordingly.

In France, in true Enlightened manner, all natural history knowledge is brought together by Comte De Buffon in large multi-volume works, lasting several decades to be completed. Illustrated voluminous works like Nozeman and Sepp, *Nederlandsche Voogelen*, were published in small issues with a few plates at the time leaving it to the subscriber to bound the books in their own fashion after completion. Coenraad Jacob Temminck was the first director of the National Museum of Natural History in Leiden, from 1820 until 1831. His *Manuel d'ornithologie, ou Tableau systématique des oiseaux qui se trouvent en Europe* (1815) was the standard work on European birds for many years. He was also the author of a beautiful book on pigeons. Many species were named by him and some were named after him.

11. Houttuyn, M.; *Natuurlyke historie of uitvoerige beschryving der dieren, planten en mineraalen, volgens het samenstel van den heer Linnaeus / door M. Houttuyn.* – Amsterdam : Erven F. Houttuyn, 1761-1785. – 3 dl. In 37 bd. : pl. [nl]  
FORUM - SPEC.COLL. R337G/I01 ; Bd. 1 t/m 37

12. Buffon, de; *Histoire naturelle des oiseaux*  
Berne [etc.]: La nouvelle Société Typographique [etc.], 1790-. - .. dl : ill.  
FORUM - SPEC.COLL. - R344G37

13. Nozeman, C.; Sepp, C.; *Nederlandsche vogelen; volgens hunne huishouding, aert, en ...*  
Te Amsterdam: by Jan Christiaan Sepp, 1770-1829. - 5 dl : 250 pl. – Deel 1  
FORUM - SPEC.COLL. - R337A05 // <http://edepot.wur.nl/182817>  
&  
Nozeman, C. ; Sepp, C. ; Sepp, J.C. ; Delft, M. van ; Koninklijke Bibliotheek (Den Haag)  
*Nederlandsche vogelen, 1770-1829*  
[Tielt]: Lannoo, [2015]. - 831 pagina's : ill. - Reprint  
FORUM - SPEC.COLL. – SC-S601-S/2015-01 [*on the round table*]

14. Francq van Berkhey, J. le; *Natuurlyke historie van Holland*  
Te Amsterdam [etc.]: by Yntema en Tieboel [etc.], 1769-1811. - 9 dl. in 12 bd. : 1 portr., 62 pl., krt.,  
FORUM - SPEC.COLL. - R340E01

15. Temminck, C.J.; *Manuel d'ornithologie ou tableau systematique des oiseaux qui se trouvent en Europe*  
Amsterdam [etc.]: [s.n.], 1815. - 2 dl. in 1 bd.  
FORUM - SPEC.COLL. - R349G03

## 2. Ornithology in full flight

### Dodo doom

In the 19th century, research was conducted on a small quantity of remains of four specimens of the dodo that had been brought to Europe in the early 17th century. The extinction of the dodo within less than a century of its discovery called attention to the previously unrecognised problem of human involvement in the disappearance of entire species. The dodo (*Raphus cucullatus*) is a large extinct flightless bird that was endemic to the island of Mauritius. The dodo's closest genetic relative is the also extinct Rodrigues solitaire, the two forming the subfamily Raphinae of the family of pigeons and doves. A white dodo was once thought to have existed on the nearby island of Réunion. The first recorded mention of the dodo was by Dutch sailors in 1598. In the following years, the bird was hunted by sailors and invasive species, while its habitat was being destroyed. The last widely accepted sighting of a dodo was in 1662. Its extinction was not immediately noticed, and some considered it to be a mythical creature.

16. Strickland, H.E. ; Melville, A.G.; The Dodo and its kindred or the history, affinities, and osteology of the Dodo, solitaire and other extinct birds of the islands Mauritius, Rodriguez and Bourbon

London: [s.n.], 1848

FORUM - SPEC.COLL. - R00095

&

Vrolik, W.; Over den Dodo of Dronte (*Didus ineptus* Linn.)

[S.l.]: [s.n.], 1853

FORUM - SPEC.COLL. - O0096

&

Hengst, J. den; De dodo : portret van een pechvogel

Marum: Art Revisited, 2003. - 119 p

FORUM - BOOKS - 600-A/2003-02

### Hermann Schlegel

Hermann Schlegel came from Germany to the Netherlands in 1825 as an assistant to C.J. Temminck, the director of the Natural History Museum in Leiden. He started with reptiles but soon became an internationally well-known ornithologist with a keen interest in Southeast Asia but also the first to describe all the birds of the Netherlands in one publication. He collaborated with *Aves japonica* (a part on birds) in Von Siebold's *Fauna Japonica* (1833-1850). After the death of Temminck in 1858 he became the director. He started to publish several books on birds. Although he employed three talented illustrators (John Gerrard Keulemans, Joseph Smit and Joseph Wolf) Schlegel depicted the birds on the lithograph stones for *De vogels van Nederland* by himself, leaving the landscapes to a local lithographer. The same applies to the later edition called the 'Schlegel with heads' where identification is made easier by showing similar birds heads on one page. In this edition he also depicts birds in their natural habitat. Unfortunately his publication on birds of the Dutch East Indies had to be stopped after 3 years because of lack of interest.

Together with G.F. Westerman, the first director of Artis, he published an enormous book on turaco's, also with his own drawings. This publication in colour was in a limited edition that was sent to acquainted institutions and not on the market. The invention of lithography and especially chromolithography made beautiful books like these possible.

17. Schlegel, H.; De diergaarde en het museum van het Genootschap Natura Artis Magistra te Amsterdam, in afbeeldingen voorgesteld en beschreven



Amsterdam: [s.n.], 1842. - 209 p.  
FORUM - SPEC.COLL. - RO0081

18. Schlegel, H.; De vogels van Nederland : beschreven en afgebeeld  
Leyden: Noothoven van Goor, 1858. - 3 dl. : 362 lith.  
FORUM - SPEC.COLL. - R337D28 [klein]/ - RO0089 [groot]

&

19. Schlegel, H.; De vogels van Nederlandsch Indie = Les oiseaux des Indes neerlandaises  
Haarlem: Krusemann, 1863. - dl. 1 Pitta's  
FORUM - SPEC.COLL. - ZZ0375 // <http://edepot.wur.nl/144478>

&

20. Schlegel, H.; Natuurlijke historie van Nederland. De vogels van Nederland. - 2e herz. dr.  
Amsterdam: Funke, 1878. - 2 dl. in 1 bd. (LXXI, 135, 136 p.) : ill. [*de "Koppen Schlegel"*]  
FORUM - SPEC.COLL. - O0007,01

21. Schlegel, H. ; Westerman, G.F.; De Toerako's  
Amsterdam: [s.n.], [ca. 1870]. - 35 p. : 17 pl.  
FORUM - SPEC.COLL. - RPK.II-C-02

## Foreign views

This part of the exhibition focuses mainly on Dutch birding books but apart from beautiful books some interesting outsider publications appear on birds in the nineteenth century as well. The world famous books on *Thierleben* by German zoologist Alfred Brehm of which edition appear well into the twentieth century. Birds became a subject in the study of art and literature, in this case the works of Shakespeare. And Darwin studied the origin of the different breeds of pigeons and doves to understand the principle of manmade or artificial selection in breeding different varieties.

22. Brehm, A.E.; Het leven der vogels  
Haarlem: Kruseman, 1866. - VIII, 492 p., [10] bl. pl. : ill.  
FORUM - SPEC.COLL. - ZZ0383

23. Harting, J.E.; The birds of Shakespeare : critically examined, explained and illustrated  
London: Van Voorst, 1871. - XXII, 321 p : ill., 1 pl.  
FORUM - SPEC.COLL. - R386G09

24. Darwin, F. ; Darwin, C.; The variation of animals and plants under domestication. - 2nd ed., rev.  
London: Murray, 1875. - 2 dl.  
FORUM - SPEC.COLL. - RN0144 // <http://edepot.wur.nl/186074>

## Behaviour & Ecology

In the second half of the nineteenth century beautiful bird books like those of Keulemans and Nuyens were written for a wider audience, focusing both on familiar birds, caged or captive - including chicken and fowl breeds-, and wild birds. After having worked for Hermann Schlegel Johannus Gerardus Keulemans left the Netherlands to become the most famous bird illustrator of his time, John Gerrard Keulemans. In 1869, the year of his departure to England, his book on birds in and around house and garden was published. He wrote the texts himself, being familiar with wild and tame songbirds. He later contributed to *A monograph of cranes* written by Frans Blaauw, owner of one of the most important bird collections in the Netherlands at his estate Gooilust. Much more attention is given to specific habitat of each bird species and their behaviour which show also in the illustration of the birds in their natural surroundings. The work of Jac. P. Thijsse is famous for bringing attention to nature and nature conservation to all regions of the Dutch society. Marinus Adrianus Koekkoek, one of

the best Dutch animal painters of his time, made the illustrations for Van Oort's *Ornithologica Neerlandica*. The same plates were later used in a smaller size for Witherby's *Handbook of British birds*. Professor Voous' book on bird of the Dutch Antilles is illustrated by H.J. Slijper. Gradually during the twentieth century drawings were replaced by photographs.

25. Keulemans, J.G.; Onze vogels in huis en tuin

Leiden: P.W.M. Trap, 1869-1876. - 3 dl : ill.

FORUM - SPEC.COLL. - ZZ0379 // - RN0084,03/04 // - R391C03 // <http://edepot.wur.nl/199480>

26. Nuyens, A.; De vogelwereld : handboek voor liefhebbers van kamer- en parkvogels

Groningen: Wolters, 1886. - 2 dl. in 1 bd. : 49 gekl. pl.

FORUM - SPEC.COLL. - R378A06

27. Blaauw, F.E.; Keulemans, J.G.; A monograph of cranes

Leiden [etc.]: Brill [etc.], 1897. - 64 p. : [22] pl.

FORUM - SPEC.COLL. - R335A13

28. Thijssen, J.P.; Het vogeljaar : handleiding tot het leeren kennen der meest voorkomende Nederlandsche vogels. - Amsterdam: Versluys, 1904. - 316 p. - 14 pl. / J.G. Keulemans, e.a.

FORUM - SPEC.COLL. - ZZ0378

&

Thijssen, J.P.; Het intieme leven der vogels. - Utrecht : Honing, 1913. - 239 p. : 50 pl.

FORUM - SPEC.COLL. - R384B03

29. Beebe, W. ; New York Zoological Society; A monograph of the pheasants

London: [s.n.], 1918-1922. - 4 vol.

FORUM - SPEC.COLL. - R347A08

30. Oort, E.D. van ; Brouwer, G.A.; De vogels van Nederland

's-Gravenhage: Nijhoff, 1922-1935. - 5 dl.

FORUM - SPEC.COLL. - R00682

31. Voous, K.H.; De vogels van de Nederlandse Antillen = Birds of the Netherlands Antilles

's-Gravenhage: Nijhoff, 1955. - 205 p.

FORUM - STACKS - NN05128,05



## Bird Eggs & Oology

The study of bird eggs is a special study called oology. The first books on birds eggs appear in the middle of the nineteenth century, together with the invention of chromolithography, like the books of Jennings and Laishley. With the new technique of using of colour photography as a source for colour illustrations in books around the turn of the century the birth of massive oology works was possible. The multi volume works by Krause, and Van Pelt Lechner [& Seebohm; Wolley, both not on display] show different eggs on one page. The eggs are from the same bird but are found at different places. Van Pelt Lechner displays all the then known 159 breeding birds of the Netherlands. In 191 colour plates 617 eggs are displayed, and 50 white eggs in heliotype. The quality of his work, and of the printed illustrations, is outstanding. Van Pelt Lechner was an amateur ornithologist, and oologist. From 1899 until 1913 he was librarian at Wageningen University. He collected eggs in his spare time with the help of some correspondents. He focused on comparative studies. The most important eggs of his collection went to Leiden, now Naturalis Biodiversity Center, and the larger part to Arnhem, now Arcadis.

39. Pelt Lechner, A.A. van; " Oologica Neerlandica" : de eieren der in Nederland broedende vogels  
`s-Gravenhage: Nijhoff, 1910-1913. - 2 dl.

FORUM - SPEC.COLL. - R335G03

&

40. A.A. van Pelt Lechner, bibliothecaris 1899-1916 [*photo portrait*];

&

41. Voous, K.H.; In de ban van vogels : geschiedenis van de beoefening van de ornithologie in Nederland in de twintigste eeuw : tevens ornithologisch biografisch woordenboek  
Utrecht: Scheffers, 1995. - 605 p.

FORUM - BOOKS - 601-S/1995-13 – lemma Van Pelt Lechner, Arnold Anthon

42. Jennings, C.; The eggs of British birds : displayed in a series of engravings, ..., with descriptions of British birds

2nd ed. - Bath: Binns and Goodwin; [etc.], [1854]. - XXI, [1] 266 p : col. front., 6 col. pl.

FORUM - SPEC.COLL. - ZZ0401

43. Laishley, R.; A popular history of British birds' eggs

London: L. Reeve, 1858. - XI, 313 p., 20 leaves of plates : ill.

FORUM - SPEC.COLL. - ZZ0405

44. Nederlandsche Hoenderclub ; Vereeniging tot veredeling der Nederlandsche Hoenderrassen

Het hoen: de lichaamsbouw, ... voorgesteld door 11 fraai gekleurde, beweegbare platen, ...

Meppel: Ten Brink, [ca. 1905]. - 34 p.

FORUM - SPEC.COLL. - CA0954

45. Krause, G.; Oologia universalis palaeartica

Stuttgart: Lehmann, 1906-1913. - 2 Bd.

FORUM - SPEC.COLL. - R384B03

46. A birds nest with a prepared great tit, a real speckled egg, a green plaster egg and a 3-D printed egg; a plaster great tit and several 3-D printed eggs in different colours; a plaster giant egg of the extinct Elephant bird from Madagascar, and a real egg of an ostrich [several objects].

Making plaster or fake eggs takes researchers conducting experiments with them a lot of time at Wageningen University & Research and the NIOO, and they are also expensive. By means of the 3D printer molecular biologist Jutta Wirth has used a different process in order to made it possible to automatic and systematic reproduce eggs of great tits. The 3D technique designs a digital model. Modifications in the 3D modelling program are simple. For

almost all bird eggs and even dinosaur eggs 3D printed copies can match the real eggs. Only the colouring is different.

Elephant birds (*Aepyornis maximus*) were giant flightless birds native to Madagascar. They have been extinct since at least the 17th century. Flacourt, a French governor of Madagascar in the 1640s and 1650s, mentions an ostrich-like bird said to inhabit unpopulated regions. Marco Polo also mentioned hearing stories of very large birds during his journey to the East during the late 13th century. These accounts are today believed to describe elephant birds, more than 3 m tall and weighing perhaps in the range of 350 to 500 kg. It was at the time the world's largest bird. Remains of adults and eggs have been found; in some cases the eggs have a circumference of more than 1 m and a length up to 34 cm, the largest type of bird egg ever found. The egg weighed about 10 kg and the egg volume is about 160 times greater than that of a chicken egg.

## Birding around & by Wageningen

Probably Wageningen and surroundings is one of the regions in the Netherlands where the most studies on birds were conducted, maybe even more than around the major university cities with zoology studies. Besides the study of the relations between agriculture, land and water usage and bird populations at the university and its forbears, the Dutch Plant Protection Service (Plantenziektenkundige Dienst) conducted ornithological research and published yearly studies on it as well. Professor Ritzema Bos published on the harmful and useful aspects of mammals and birds, and was keen on spreading knowledge about birds on primary school level. Organisations for environmental research on nature and forestry were based here. And of course Wageningen students and employees were often ardent amateur birders regardless of their studies or metier. Professor Dinant de Vries could sometimes combine his work on vegetation research with birding aspects. Professor Herman Klomp was consulted as professor on Animal Sciences regarding the impact of the tradition of seeking lapwing eggs in Friesland. Albert Beintema used to work for Alterra and started writing about birds as a literary writer. His latest book on the Grutto received the Jan Wolkers award for the best Dutch book on nature in 2016 this October. Many detailed studies on birds in the vicinity of Wageningen were made of which a selection is shown in a pile. And last but not least a lot of work was also done and published by the Vogelwerkgroep Wageningen herself.

47. Wolda, G.; Vogelcultuur  
's-Gravenhage: Van Langenhuysen, 1914. - 26 p.  
FORUM - SPEC.COLL. - O0863

&

Ritzema Bos, J. ; Wolda, G.; Eene aanvankelijk wel geslaagde poging om in een zeker gebied [Oranje Nassau's Oord] het aantal vogels te vermeerderen  
Wageningen: [s.n.], 1911. - 53 p.  
FORUM - STACKS - VS49329

&

Wolda, G.; Ornithologische studies  
's-Gravenhage: D.L.N.H., 1918. - 101 p.  
FORUM - SPEC.COLL. - O0593

48. Plantenziektenkundige Dienst (Wageningen); Verslag van het Ornithologisch onderzoek 1925  
Wageningen: Veenman, 1926  
FORUM - STACKS - NN22071 - AANWEZIG (1925),(1928)-(1933)

49. Hettinga, D. ; Vries, D.M. de; Enkele waarnemingen over het voorkomen van vogels op proefvelden met verschillende ontwateringsdiepten in het westelijke veenweidegebied  
Wageningen: I.C.W., 1971. - 13 p.

FORUM - STACKS - NN31545,0612 // <http://edepot.wur.nl/256179>

*Het betreffende veenweidegebied kenmerkt zich door zeer hoge grondwaterstanden; in de winter staat het water slechts weinig cm onder het maaiveld, in de zomer komen grondwaterstanden tot 80 cm - m.v. regelmatig voor. Het weidebedrijf ondervindt in de loop der tijden in toenemende mate hinder van de hoge grondwaterstanden. Het grasbestand bij ondiepe ontwatering bestaat voor een belangrijk deel uit vochtminnende soorten die landbouwkundig tot de matige en minderwaardige grassen worden gerekend. De vraag kan gesteld worden; hoe zullen de vogels zich gedragen na een diepere ontwatering. Voor sommige soorten zullen de levensvoorwaarden gunstiger voor andere ongunstiger worden. Wel is bekend dat op goed ontwaterde, vruchtbare graslanden de bodemfauna het hoogst is, hetgeen voor wormen- en insectenetende vogels meer voedsel betekent.*

50. Roodbergen, S.P.; B.F.V.W. in vogelvlucht en perspectief.

1e dr. - [S.I.]: BFWW, 1999. - 291 p. – Prof. Herman Klomp on lapwing egg seeking in Friesland

FORUM - BOOKS - 601-S/1999-02

51. Beintema, A.; Mijn vogels

Amsterdam [etc.]: Atlas, 2007. - 430 p.

FORUM - BOOKS - 601-S/2007-04

*Ervaringen van een vogelkenner. Het betreft beschouwingen en waarnemingen over zijn werkzaam leven als wetenschappelijk medewerker bij Alterra.*

## 52. A selection of reports

Berg, J.M. van den ; Bergh, J.H. van den ; Bergh, L.M.J. van den

*Ornithologische gegevens van de uiterwaarden van Rijn en Lek*

Leersum: Rijksinstituut voor Natuurbeheer, 1973. - 111 p.

FORUM - STACKS - 712A52

Opdam, P.F.M. ; Reynen, M.J.S.M.; *Projectstudie landinrichting Midden-Brabant : toelichting bij de ornithologische kaart van Midden-Brabant*

Leersum: Rijksinstituut voor Natuurbeheer, [ca. 1977]. - 11 p. - RIN vogelinventarisatie

FORUM - STACKS - 713A10

Berendse, F.; *Over de biologische en landschappelijke betekenis van het noordelijke deel van de Gelderse Vallei en de polder Arkemheen*

Wageningen: L.H., 1974. - 64 p.

FORUM - STACKS - NN30681,225

Vink, A. ; Vink, W.; *Avifaunistische gegevens betreffende "de Hel" en de "Blauwe Hel" gem. Veenendaal, 1959-1974*

Veenendaal: [s.n.], 1974. - 29 p.

FORUM - STACKS - 714B21

Erich, W. ; Peeters, P.; *De relatie tussen vogelstand, grondwaterstand en bodemfauna in de Bennekomse hooilanden*

Wageningen: LH, 1976. - 63 p. - Ecologie Binnenveld

FORUM - STACKS - NN30681,540

Berg, J.J. van den ; Gleichman, J.M. ; Sanders, G.M.; *Broedvogels van de zuidelijke Gelderse Vallei*

Wageningen: KNNV Vogelwerkgroep Wageningen, 1988. - 100 p. - Vogelinventarisatie KNNV 1987

FORUM - STACKS - 717C82

Gleichman, M. ; Lagerwerf, A. ; Ovaa, A.; *De Schoutenwaard : een uiterwaard met grote natuurwaarde*

[Wageningen]: Vogelwerkgroep Wageningen en omstreken, 1995. - 54 p.

FORUM - STACKS - 703C18

Dam, D. van ; Sanders, G.M. ; KNNV; *Inventarisatie van de Bennekomse Hooilanden en de Bennekomse Meent in 2008 : planten, mossen, vogels, ...*

[Wageningen]: KNNV afdeling Wageningen e.o., 2009. - 102 p : ill.

FORUM - STACKS - VS29404

*\*:Het doel van deze inventarisatie in 2004 was een eerste evaluatie van het afplaggen van twee percelen grasland in de Bennekomse Hooilanden. Deze percelen werden afgeplagd met de bedoeling op termijn de vestiging van een blauwgraslandvegetatie mogelijk te maken, zoals die in de Bennekomse Meent aanwezig is. In 2008 is de inventarisatie van de Bennekomse Hooilanden en de Meent door KNNV-leden herhaald.*

Oostveen, P. van; *Nestkastenverslag Edese Bos, 1971 - 1990*

Ede [etc.]: Jeugdbond voor Natuur- en Milieustudie, 1991. - 53 p.

FORUM - STACKS - 719F30

Hoogers, B.J. ; Leys, H.N.; *De Noordberg : het wel en wee van 33 vogelsoorten van april t/m september in de periode 1954 t/m 1983 in het plassen- en kleiputtengebied bij de Noordberg (Gld.)*

Leersum: R.I.N., 1985. - 25 p.

FORUM - STACKS - 712C68

&

Hoogers, B.J. ; Leys, H.N.; *Het plassengebied bij de Noordberg : het wel en wee van 43 vogelsoorten vnl. in het winterhalfjaar in de periode 1954 t/m 1984 in het plassen-, kleiputten- en uiterwaardengebied bij de Noordberg ...*

Leersum: R.I.N., 1986. - 49 p. - *Vogelinventarisatie plassengebied Veluwezoom*

FORUM - STACKS - 712C69

Buesink, H.; *Vogeltrek over "De Oostereng" in het najaar van '83*

Wageningen: [s.n.], 1984. - 105 p.

FORUM - STACKS - 718C89

### **Publications by the Vogelwerkgroep Wageningen**

53. Mededelingenblad van de K.N.N.V. Vogelwerkgroep 'Wageningen'

Wageningen: Koninklijke Nederlandse Natuurhistorische Vereniging, Vogelwerkgroep Wageningen

FORUM - STACKS - NN31372 - AANWEZIG Jrg. 2(1962)-22(1982) Inc.

&

Pennevluchten : mededelingenblad / K.N.N.V. Vogelwerkgroep 'Wageningen'

Wageningen: Koninklijke Nederlandse Natuurhistorische Vereniging, Vogelwerkgroep Wageningen

FORUM - STACKS - NN31373 - AANWEZIG No. 1(1983)-

54. Vogelinventarisatietabellen De Hel, Blauwe Kamer, Bennekommer Meent, 1962-1963. - 6 vel.

FORUM - SPEC.COLL. – Alterra Map Collection [Or]1802

55. Hoogers, B.J.; *De Avifauna van Wageningen en omstreken*

Wageningen: Vogelwerkgroep Wageningen, 1960. - 36 p.

FORUM - STACKS - VS00192

&

Leys, H.N. ; Sanders, G.M. ; Knol, W.C. ; Bakhuizen, J.J. ; Bergh, L. van den ; Dekhuijzen, H.

*Avifauna van Wageningen en wijde omgeving : avifauna van delen van de Utrechtse Heuvelrug, de Gelderse Vallei, de Westelijke Veluwezoom en een deel van de Betuwe*

Wageningen: KNNV Vogelwerkgroep Wageningen, 1993. - 448 p.

FORUM - BOOKS - 600-H/1993-03

56. Udo, D. ; Nie, H. de ; Bijlsma, R. ; KNNV, Vogelwerkgroep, Afd. Wageningen (Wageningen)

*Wat vliegt waar? : in de omgeving van Wageningen, Rhenen, Overbetuwe, Renkum en Ede*

[Wageningen]: KNNV, Vogelwerkgroep, Afd. Wageningen, cop. 2010. - 159 p : ill.

FORUM - BOOKS - 601-S/2010-04

*Ter gelegenheid van het 100-jarig jubileum van de KNNV afdeling Wageningen, hebben leden van de Vogelwerkgroep het boek Wat vliegt waar? geschreven over de natuurgebieden en hun vogelbevolking in ons werkgebied. Deze verhalen worden aangevuld met excursietips. Het boek verschijnt in full color, mooi vormgegeven en bevat 20 gebiedsbeschrijvingen en 49 vogelportretten. Daarnaast een handig boekje met beschrijvingen van 12 wandel- en fietstochten met duidelijke kaartjes en foto's, tezamen zo'n 300 pagina's.*

&

Udo, D. ; Nie, H. de; *Wandelen fietsen en vogels kijken : twaalf wandel- en fietsroutes ... omgeving van Wageningen ...*

[Wageningen]: KNNV, Vogelwerkgroep, Afd. Wageningen, cop. 2010. - 82 p : ill.

FORUM - BOOKS - 115-F-1/2010-01

*Wandelingen voorzien van informatie over natuur en landschap: zoals de Ochtense buitenpolder, de Bovenste Polder onder Wageningen, de Wageningse Berg, Oranje Nassau's Oord, Laag-Wolfheze, Zuid-Ginkel, Betuwe, Binnenveld en Hoge Veluwe*

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Stuttgart: Hiersemann, 1953. - 222 p.  
FORUM - SPEC.COLL. - 201-H/1953-01

Brouwer, G.A.; *Historische gegevens over onze vroegere ornithologen en over de avifauna van Nederland*  
Leiden: Brill, 1954. - 226 p.  
FORUM - STACKS - NN00140,1954,1

Balis, J.; *Van diverse pluimage : tien eeuwen vogelboeken : tentoonstellingscatalogus*  
Antwerpen: Kon. Mij. voor Dierkunde, 1968. - 163 p. : ill.  
FORUM - SPEC.COLL. - 601-S/1968-01

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*Ornithologie [1773-1792]/ François Nicolas Martinet [Histoire des Oiseaux Peints ...]. - digital ed. 2000*  
Washington: Smithsonian Institution Libraries, 2000  
<http://edepot.wur.nl/95281>

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<http://edepot.wur.nl/95121>