

## **Stephen Gilbert Collection of Anatomical Drawings (1931-2014)**

**Dates:** 1963-2014

**Extent:** 532 drawings (3 drawers, 18 boxes) (2.4 m)

**Scope and Content:** Contains anatomical drawings and illustrations from Stephen Gilbert's publications and professional life as an anatomical illustrator. Collection notably includes anatomical drawings of the adult human, adult embryo, cat, fetal pig, dogfish, necturus, frog and other assorted zoology. Includes accessions from 1993, 1994, 1995, 1996, 1997, 1999, 2000, 2005, 2006, 2007, 2008 and 2015. Accessions from the gifts of 2001 and 2003, including drawings and illustrations from *Outline of Cat Anatomy with Reference to the Human* (University of Toronto Press, 2000) and *Atlas of General Zoology* (Burgess Publishing Co., 1991), *Anatomy of the Fetal Pig* were originally catalogued separately. These accessions were amalgamated into finding aid in 2018 and the entire collection was given the number of MS Coll. 413. **The collection previously had the number of MS Coll. 289.**

**Biographical Information:** Stephen Goltra Gilbert was born 18 January 1931 in Portland, Oregon. The child of Malcolm Gilbert and Inez J. Gilbert, he was encouraged to pursue his interests in the natural world and art from an early age. He attended boarding school at Philips Academy in Andover, Massachusetts before enrolling at Reed College in Portland, Oregon. He received a degree in art in a joint degree program with the Pacific Northwest College of Art (PNCA) in 1952, with a thesis on woodcarving. Following graduation, Gilbert spent three years in the U.S Army Medical Corps and after his discharge, he was accepted to a three-year program to study medical illustration with Muriel McLatchie Miller at the Massachusetts General Hospital. Miller was a former student of Max Brödel. The program was an intense one with each student drawing eight hours per day, with students working their way through the skeletal, muscles, circulatory and nervous system. Gilbert received his first job as a medical illustrator from Dr. John Bonica at the Tacoma General Hospital in Washington. Bonica referred him to Ralph Sweet, also a student of Brödel's, in San Francisco. Gilbert completed four watercolour illustrations for Bonica in 1958, but did not like how the colours were reproduced in print. After 1958, Gilbert preferred working in greyscale using pen, ink and pencil. Between 1958 and 1961, Gilbert worked as a medical artist for the School of Medicine at the University of Washington in Seattle. Gilbert quickly grew tired of the institution and became bored and restless. In 1961, Gilbert left his position at the University of Washington to work on his own anatomical drawings. He moved to farm in Albany, Oregon and over the period of twelve years produced six zoological anatomical atlases includes: *Pictorial Anatomy of the*

*Fetal Pig* (1963), *Pictorial Anatomy of the Frog* (1965), *Atlas of General Zoology* (1965), *Pictorial Anatomy of the Cat* (1968), *Pictorial Anatomy of the Dogfish* (1973) and *Pictorial Anatomy of the Necturus* (1973). In 1973, Gilbert joined Arts as Applied to Medicine program at the University of Toronto as a part-time lecturer. Between 1982 and 1985, Gilbert spent each summer in Japan training Yuzuru Matsuda's staff in medical illustration. Gilbert was very successful at the University of Toronto, and was made a full professor in 1995. He also authored *Pictorial Human Embryology* in 1989 and *Outline of Cat Anatomy with Reference to the Human* in 1999, both with the University of Toronto Press. Gilbert also completed a manuscript on the history of embryological illustration that is currently unpublished. One of Gilbert's ongoing projects was human anatomical illustrations for Dr. Anne Agur, a professor at the University of Toronto and the current editor of *Grant's Atlas of Anatomy*. Gilbert retired in 2010 but continued to teach classes as a Professor Emeritus in pen and ink drawing.

Gilbert's other passion was tattoos. He received his first tattoo at the age of 15, and according to Dino Pulera in 2006, "today, he is so covered with tattoos that he only has a small patch of 'blank canvas' remaining behind his left knee." Gilbert worked as a tattoo artist and historian and edited and introduced the text *Tattoo History: A Source Book: An Anthology of Historical Records of Tattooing throughout the World* (2000) (as Steve Gilbert).

Gilbert died 21 February 2014 of Parkinson's disease.

### **Works Published:**

Gilbert, Stephen G. *Pictorial Anatomy of the Fetal Pig*. Seattle, University of Washington Press, 1963.

Gilbert, Stephen G. *Pictorial Anatomy of the Frog*. Seattle: University of Washington Press, 1965.

Gilbert, Stephen G. *Atlas of General Zoology*. Minneapolis: Burgess Pub Co, 1965.

Gilbert, Stephen G. *Pictorial Anatomy of the Cat*. Seattle: University of Washington Press, 1968.

Gilbert, Stephen G. *Pictorial Anatomy of the Dogfish*. Seattle: University of Washington Press, 1973.

Gilbert, Stephen G. *Pictorial Anatomy of the Necturus*. Seattle: University of Washington Press, 1973.

Gilbert, Stephen G. *Pictorial Human Embryology*. Toronto: University of Toronto Press, 1989.

Gilbert, Stephen G. *Outline of Cat Anatomy with Reference to the Human*. Toronto: University of Toronto Press, 2000.

Gilbert, Steve (Ed.). *Tattoo History: A Source Book: An anthology of historical records of tattooing throughout the world*. New York, Juno Books, 2000.

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Gilbert (Stephen) Collection of Anatomical Drawings

**Arrangement:**

*Contains series:*

- Series 1: Accession of [1993]
- Series 2: Accession of 1994
- Series 3: Accession of 1995
- Series 4: Accession of 1996
- Series 5: Accession of 1997
- Series 6: Accession of 1999
- Series 7: Accession of 2000
- Series 8: Accession of 2005
- Series 9: Accession of 2006
- Series 10: Accession of 2007
- Series 11: Accession of 2008
- Series 12: Gift of Stephen Gilbert's Estate, 2015
- Series 13: Addition of 2015
- Series 14: Accession of 2001
- Series 15: Accession of 2003

| <b>SERIES 1: Accession of [1993]</b>  |  |   |                |
|---|--|---|----------------|
| Includes 25 drawings from <i>Pictorial Human Embryology</i> (1989), <i>Pictorial Anatomy of the Frog</i> (1965), <i>Pictorial Anatomy of the Dogfish</i> (1973), <i>Pictorial Anatomy of the Necturus</i> (1973), <i>Pictorial Anatomy of the Cat</i> (1968). |  |   |                |
| <b>Note: All illustrations in Series 1 have been digitized and are stored on the R Drive (R:\Manuscript Collections lists\DVW Lists\Stephen Gilbert Drawings - Digitized Images)</b>  |  |   |                |
| <b>BOX:<br/>FOLDER</b>  | <b>TITLE</b>                               | <b>CONTENTS</b>   | <b>DATE(S)</b> |
| <b>Drawings published in <i>Pictorial Human Embryology</i> (University of Toronto Press, 1989)</b>  |  |   |                |
| <b>2B sorting<br/>room map<br/>case<br/>1</b>   | Fig. 1. Stage 5a. 0.1 mm 7-8 days.         | Section of blastocyst partially implanted in endometrium.<br>Sources for drawing: CCE. V.31-p67. Hertig + Rock – 2 Human ova...   | 1989           |
| 2   | Fig. 2. Stage 5c. 0.1 – 0.2 mm 11-12 days. | Section of blastocyst completed embedded in endometrium.<br>Sources for drawing: CCE. V. 29 P.127-194, No. 7699.  | 1898           |
| 3   | Fig. 3. Stage 6. 0.2 mm 13-15 days.        | Sagittal section of embryo and related part of chorion.<br>Sources for drawing: CCE. V. 27. P. 57 V. 31-P.85  | 1989           |
| 4   | Fig. 4. Stage 9. 1.5 – 2.5 mm 20-21 days.  | The embryo and the related part of the chorion. The extra-embryonic mesoderm and the amnion are cut in the sagittal plane. The endoderm is intact and the embryo is dissected to expose the developing cardiovascular system.<br>Sources for drawing: CCE. V.11 P.61. | 1989           |
| 5   | Fig. 5. Stage 11. 2.5 – 4.5 mm 24 days.    | 13-20 pairs of somites. The yolk sac is intact. The amnion is cut in the sagittal plane, and the embryo is dissected to expose the cardiovascular system.   | 1989           |

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|    |   | Sources for drawing: CCE 21-22 1930- Heuser a human embryo with 14 pairs of somites.  |      |
| 6  | Fig. 6. Stage 13. 4-6 mm 28 days 30 + pairs of somites. | Superficial dissection. The myotomes and the lateral body wall have been dissected to expose underlying structures.   | 1989 |
| 7  | Fig. 7. Stage 13. 4-6 mm 28 days 30 + pairs of somites. | Deep dissection. The veins, the liver, and the mesonephroi and their ducts have been removed to expose the arteries and the alimentary canal. The epimycardium has been dissected to expose the interior of the heart.  | 1989 |
| 8  | Fig. 8. Stage 16. 8-11 mm 37 days.                      | Superficial dissection. Portions of the head mesenchyme and the lateral body wall have been removed to expose underlying structures.  | 1989 |
| 9  | Fig. 9. Stage 16. 8-11 mm 37 days.                      | Deep dissection. The body wall and the umbilical cord have been cut in the mid-sagittal plane. The veins, the liver and the left mesonephros and its ducts have been removed to expose the arteries and the alimentary canal. The heart has been cut to the left of midline in the sagittal plane.              | 1989 |
| 10 | Fig. 10. Stage 19. 16-18 mm 48 days.                    | Superficial dissection. Portions of the head mesenchyme and the lateral body wall have been removed to expose underlying structures.<br>Sources for drawing: Head veins – Patten p. 526, Arteries – Padgett p. 221, fig. 7.   | 1989 |
| 11 | Fig. 11. Stage 19. 16-18 mm 48 days.                    | Deep dissection. The body wall and the umbilical cord have been cut in the mid-sagittal plane. The veins, the liver and the left kidney and mesonephros and their ducts have been removed to expose the arteries and the alimentary canal. The heart has been cut to the left of midline in the sagittal plane. | 1989 |

| <b>Drawings for <i>Pictorial Anatomy of the Frog, Pictorial Anatomy of the Dogfish, Pictorial Anatomy of the Necturus, Pictorial Anatomy of the Cat</i></b> |   |  |        |
|---|---|--|--------|
| 12  | 1B. Page 34. Lateral view of the arteries and veins of the head of the frog.<br>2 images:<br>Plate 20a – Right lateral view of the heart and major vessels<br>Plate 20b – the pectoral girdle is removed. | From <i>Pictorial Anatomy of the Frog</i> .  | [196-] |
| 13  | 2B. Fig. 1. The Skeleton of the cat.  | From <i>Pictorial Anatomy of the Cat</i> .   | [196-] |
| 14  | 3. Fig. 33. The abdominal viscera, ventral view of the cat.   | From <i>Pictorial Anatomy of the Cat</i> .   | [196-] |
| 15  | 4. Fig. 37. The pancreas and duodenum of the cat.   | The colon is removed and the pancreas is dissected to expose the pancreatic ducts.<br>From <i>Pictorial Anatomy of the Cat</i> .   | [196-] |
| 16  | 5. Fig. 70. The lumbosacral plexus of the cat.  | From <i>Pictorial Anatomy of the Cat</i> .   | [196-] |
| 17  | 6. Fig. 15. The posterior cardinal sinuses and veins of the dogfish.  | From <i>Pictorial Anatomy of the Dogfish</i>   | [196-] |
| 18  | 7. Fig. 23. Dorsal view of the brain and cranial nerves of the dogfish.   | The following structures are removed: Otic capsule, membranes labyrinth, superior oblique, superior rectus, later rectus muscles and superficial ephthalmic trunk.<br>From <i>Pictorial Anatomy of the Dogfish</i> | [196-] |
| 19  | 8. Fig. 27. Lateral view and sagittal section of the brain of the dogfish.  | From <i>Pictorial Anatomy of the Dogfish</i>   | [196-] |
| 20  | 14. Fig. 5. Muscles of the head and trunk, lateral view.  | From <i>Pictorial Anatomy of the Dogfish</i> .   | [196-] |
| 21  | 9. Fig. 8. Ventral view of the viscera of the necturus.   | From <i>Pictorial Anatomy of the Necturus</i> .  | [196-] |

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| 22 | 10. Fig. 22. The female urogenital system of the necturus.                   | From <i>Pictorial Anatomy of the Necturus</i> .   | [196-] |
| 23 | 11. Fig. 25. Dorsal view of the brain and cranial nerves.                    | The dorsal part of the skull and vertebral column are removed to expose the brain. The left membranous labyrinth is removed.<br>From <i>Pictorial Anatomy of the Necturus</i> . | [196-] |
| 24 | 12. Dorsal view of the brain and cranial nerves in the Necturus.             | Unpublished.  | [196-] |
| 25 | 15. Fig. 11. Dorsal view of the viscera in a female; superficial dissection. | From <i>Pictorial Anatomy of the Necturus</i> .   | [196-] |

**SERIES 2: Accession of 1994.**

25 pen and ink illustrations of the anatomy of the human leg and foot. Several illustrations include labels and descriptive captions. 18 images were removed from the collection by Stephen Gilbert after their accession and their location is currently unknown.

**Note: All illustrations in Series 2 have been digitized and are stored on the R Drive  
(R:\Manuscript Collections lists\DVW Lists\Stephen Gilbert Drawings - Digitized Images)**

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|--|---|--|----------------|
| <b>2B sorting<br/>room map<br/>case<br/>26</b> | Fig. 21. Bones of the right leg, posterior view         |  | [199?]         |
| 27   | Fig. 20. Bones of the right leg, anterior view          |  | [199?]         |
| 28   | Fig. 22. Compartments of the leg                        | The bones and fascial septa of the leg form three compartments: Anterior, lateral and posterior.           | [199?]         |
| 29   | Fig. 23. Anterior crural muscles (anterior compartment) | The muscles of the anterior compartment originate from the tibia, the fibula and the interosseous membrane | [199?]         |

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| 30 | Fig. 24. The lateral crural muscles (lateral compartment)                        |   | [199?] |
| 31 | Fig. 25. The posterior crural muscles (posterior compartment, superficial group) |   | [199?] |
| 32 | Fig. 26. The posterior crural muscles (posterior compartment) deep group         |   | [199?] |
| 33 | Fig. 27. Muscles of the leg, anterior view                                       |   | [199?] |
| 34 | Fig. 28. Muscles of the leg, lateral view  |   | [199?] |
| 35 | Fig. 29. Muscles of the leg, medial view   |   | [199?] |
| 36 | Fig. 30. Arteries of the leg, anterior view                                      |   | [199?] |
| 37 | Fig. 31. Arteries of the leg, posterior view                                     |   | [199?] |
| 38 | Fig. 32. Common peroneal nerve and deep peroneal nerve                           |   | [199?] |
| 39 | Fig. 33. Superficial peroneal nerve  | Common peroneal nerve winds around neck of fibula, passing deep to peroneus longus and divides into superficial and deep peroneal nerves. | [199?] |
| 40 | Fig. 34. Tibial nerve  |   | [199?] |
| 41 | Fig. 35. Bones of the foot, dorsal view  |   | [199?] |
| 42 | Fig. 36. Bones of the foot, plantar surface                                      |   | [199?] |
| 43 | Fig. 37. Bones of the foot, lateral view   |   | [199?] |



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| 44 | Fig. 38. Bones of the foot, medial view   |  | [199?] |
| 45 | Fig. 39. The dorsum of the foot   |  | [199?] |
| 46 | Fig. 40. The lateral aspect of the foot and ankle                                       |  | [199?] |
| 47 | Fig. 41. The medial aspect of the foot and ankle  |  | [199?] |
| 48 | Fig. 42. Muscles of the foot, first layer<br>Fig. 43. Muscles of the foot, second layer |  | [199?] |
| 49 | Fig. 44. Muscles of the foot, third layer   |  | [199?] |
| 50 | Fig. 45. Arteries of the foot, plantar view   |  | [199?] |
| 51 | Fig. 46. Nerves of the sole of the foot   |  | [199?] |

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| <b>SERIES 3: Accession of 1995</b>   |  |                 |                |
|--|--|-----------------|----------------|
| Includes 8 drawings which were used as lecture materials by Professor Anne Agur, Department of Anatomy, Faculty of Medicine, University of Toronto and drawings from the 2 <sup>nd</sup> edition of the <i>Atlas of General Zoology</i> (1991) |  |                 |                |
| <b>Note: All illustrations in Series 3 have been digitized and are stored on the R Drive (R:\Manuscript Collections lists\DVW Lists\Stephen Gilbert Drawings - Digitized Images)</b>   |  |                 |                |
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| <b>Illustrations for lectures by Professor Anne Agur, Department of Anatomy, Faculty of Medicine, University of Toronto</b>  |  |                 |                |
| <b>2B sorting<br/>room map<br/>case<br/>52</b>   | 1. Lateral view of head and torso            |                 | [199-]         |
| 53   | 2. Anterior view of head and torso           |                 | [199-]         |
| 54   | 3. Pancreas, duodenum and related structures |                 | [199-]         |
| 55   | 4. Male urogenital system                    |                 | [199-]         |
| 56   | 5. Human torso, superficial dissection       |                 | [199?]         |
| 57   | 6. Human torso, deep dissection              |                 | [199?]         |
| 58   | 7. Respiratory system                        |                 | [199?]         |
| 59   | 8. Male urogenital system                    |                 | [199?]         |

| <b>SERIES 4: Accession of 1996</b>  |   |   |                |
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| A collection of 18 illustrations that were used in embryology lectures in the Faculty of Medicine at the University of Toronto. |   |   |                |
| <b>Note: All illustrations in Series 4 have been digitized and are stored on the R Drive</b>                                    |   |   |                |
| <b>(R:\Manuscript Collections lists\DVW Lists\Stephen Gilbert Drawings - Digitized Images)</b>                                  |   |   |                |
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| <b>2B sorting<br/>room map<br/>case<br/>60</b>  | Fig. 3. Sagittal section of a uterus containing a four-week-old embryo.               | The embryo is about 5 mm in length and the chorion is about 20 mm in diameter                               |                |
| 61  | Fig. 4. Sagittal section of a uterus containing a six-week-old embryo                 | The embryo is about 10 mm in length and the chorion is about 35 mm in diameter                              |                |
| 62  | Fig. 5. Sagittal section of a uterus containing an eight-week-old embryo              | The embryo is about 30 mm in length and the chorion is about 65 mm in diameter                              |                |
| 63  | Fig. 6. Development of ovarian follicle.  |   |                |
| 64  | Fig. 7. Ovarian cycle   | Includes four drawings: embryonic, fetal period, days 1-10 of ovarian cycle, day 14 of ovarian cycle        |                |
| 65  | Fig. 8. Ovulation and fertilization   | Includes two drawings: day 14, within 24 hours of ovulation   |                |
| 66  | Fig. 9. Primary cocyte  | Includes four drawings: embryonic period, fetal period, days 1-13 of ovarian cycle, day 14 of ovarian cycle |                |
| 67  | Fig. 10. Includes two drawings: Within 24 hours of ovulation, second meiotic division | Includes two drawings: Within 24 hours of ovulation, second meiotic division                                |                |
| 68  | Fig. 11. Spermatogenesis  | Sources for drawing: Clermont, Y. 1963. The cycle of the seminiferous epithelium of man.                    |                |

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|----|--|---|--|
|    |  | Am. J. Anat., 112:35. Bloom + Fawcett. 10 <sup>th</sup> ed. P. 836. Weiss. 5 <sup>th</sup> ed. P. 1006.   |  |
| 69 | Fig. 12. Spermatogenesis   |   |  |
| 70 | Fig. 13. Spermatozoon  |   |  |
| 71 | Fig. 14. Secondary oocyte just after ovulation   |   |  |
| 72 | Fig. 15. Sperm head enters oocytes; sperm plasma membrane is incorporated into surface of oocyte               |   |  |
| 73 | Fig. 16. Acrosome reaction   | Includes 3 drawings: 1. The acrosomal membrane fuses at many points with the sperm cell membrane. 2. The points of fusion form vesicles which are sloughed off, exposing the acrosomal contents. 3. Acrosomal enzymes enable the sperm to penetrate the zona pellucida. |  |
| 74 | Fig. 17. Overview of gametogenesis and fertilization   |   |  |
| 75 | Fig. 18. Schematic overview of ovarian cycle, tubal transport, cleavage, and differentiation of the blastocyst |   |  |

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| <b>SERIES 5: Accession of 1997</b>  |  |   |                |
|---|--|---|----------------|
| 25 drawings donated on 15 December 1997. These illustration appeared in Stephen Gilbert's <i>Atlas of General Zoology</i> . The first edition was published in 1965 by Burgess Publishing Company of Minneapolis; the Atlas was republished by Macmillan & co., New York in 1975, and a second edition was published by Burgess Publishing Company in 1989. |  |   |                |
| <b>Note: All illustrations in Series 5 have been digitized and are stored on the R Drive</b>  |  |   |                |
| <b>(R:\Manuscript Collections lists\DVW Lists\Stephen Gilbert Drawings - Digitized Images)</b>  |  |   |                |
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| 2B sorting<br>room map<br>case<br>76  | Flatworm ( <i>planaria</i> )                 | a. Planaria with gastrovascular cavity stained<br>b. Sagittal section of pharynx and reproductive organs  | [196-]         |
| 77  | Flatworm ( <i>planaria</i> ), cross section  | a. Cross section anterior to pharynx<br>b. Cross section through pharynx<br>c. Cross section posterior to pharynx   | [196-]         |
| 78  | The marine jellyfish. ( <i>Gonionemus</i> ). | a. The marine jellyfish ( <i>Gonionemus</i> ), the near side of the bell is removed.<br>b. Gastrovascular cavity<br>c. Detail of bell margin.   | [196-]         |
| 79  | Star fish ( <i>Asterias</i> ).               | a. Vertical section through ray & central disc<br>b. Cross section of ray   | [196-]         |
| 80  | Earthworm                                    | a. dorsal view. The septa and nephridia in segments. 4 through 19 are removed to reveal underlying structures.<br>b. The pharynx, seminal vesicles and a section of intestine are removed | [196-]         |
| 81  | Earthworm, reproductive organs               | The seminal vesicles, nephridia and part of the digestive tract are removed. The testes are not grossly visible at this stage of sexual maturity.   | [196-]         |

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|----|-----------------------------|---|--------|
| 82 | Earthworm                   | a. Lateral view<br>b. The seminal receptacles and seminal vesicles are removed  | [196-] |
| 83 | Earthworm, sagittal section |   | [196-] |
| 84 | Earthworm                   | a. Cross section (posterior to clitellum)<br>b. Cross section through setae   | [196-] |
| 85 | Male crayfish, dorsal view  |   | [196-] |
| 86 | Male crayfish, ventral view |   | [196-] |
| 87 | Crayfish                    | a. Thorax of male crayfish, ventral view.<br>The left second swimmeret is removed<br>b. Thorax of female crayfish, ventral view   | [196-] |
| 88 | Crayfish                    | a. Dorsal view. The carapace is removed.<br>b. The heart is removed and the muscles, gills and digestive glands are cut to expose the stomach.  | [196-] |
| 89 | Crayfish                    | a. Lateral view. The carapace is removed<br>b. The gills and the inner wall of the branchial chamber are removed  | [196-] |
| 90 | Crayfish, lateral view.     | a. The left digestive gland is removed<br>b. On the left the excretory organ, mandibular adductor muscles, testis and vas deferens are removed  | [196-] |
| 91 | Crayfish head, ventral view | a. The left 3 <sup>rd</sup> maxilliped is removed<br>b. On the right, the third and second maxillipeds are removed; on the left the second and first maxillipeds are removed<br>c. On the right, the first maxilliped and the second maxilla are removed; on the left | [196-] |

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|     |  | the second and first maxillae are removed.  |        |
| 92  | Squid ( <i>Loligo Pealei</i> )   | a. Posterior view<br>b. Anterior view   | [196-] |
| 93  | Squid, posterior view  |   | [196-] |
| 94  | Squid  | 1. Trunk-head region of the squid, lateral view<br>2. Head-foot region of the squid, posterior view. A sagittal cut exposes the buccal bulb.  | [196-] |
| 95  | Squid, lateral view (superficial dissection)                           |   |        |
| 96  | Squid, lateral view (deep dissection)                                  |   |        |
| 97  | Squid head, anterior view.   |   |        |
| 98  | Lubber grasshopper ( <i>Romalea Microptera</i> )                       | a. Female<br>b. Mesothoracic leg<br>c. Posterior portion of male abdomen  |        |
| 99  | Lubber grasshopper ( <i>Romalea Microptera</i> )                       | a. Internal anatomy of female grasshopper<br>b. Internal anatomy of the male grasshopper. The gastric pouches, Malpighian tubules, and the thoracic portion of the digestive tract are removed. |        |
| 100 | Lubber grasshopper ( <i>Romalea Microptera</i> ), head and mouthparts. |   |        |

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| <b>SERIES 6: Accession of 1999</b>   |   |   |                |
|--|---|---|----------------|
| Includes 42 illustrations donated 11 January 1999 and 36 drawings donated in November 1999. The first collection of illustrations appeared in Stephen Gilbert's <i>Atlas of General Zoology</i> . The first edition was published in 1965 by Burgess Publishing Company of Minneapolis; the Atlas was republished by Macmillan & co., New York in 1975, and a second edition was published by Burgess Publishing Company in 1989. Drawings include page numbers which adhere to the 1965 published edition. The second donation is a collection of illustrations from <i>The Pictorial Anatomy of the Cat</i> , which was published by the University of Washington Press in 1967. Drawings include figure and page numbers. |   |   |                |
| <b>Note: All illustrations in Series 6 have been digitized and are stored on the R Drive</b><br><b>(R:\Manuscript Collections lists\DVW Lists\Stephen Gilbert Drawings - Digitized Images)</b>   |   |   |                |
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| <i>Atlas of General Zoology</i>  |   |   |                |
| <b>2B sorting<br/>room map<br/>case<br/>101</b>  | <i>Hydra Linneaus</i> . Longitudal section.               | Page 2  | [196-]         |
| 102  | <i>Obelia</i>   | Page 3<br>a. Hydroid colony<br>b. <i>Obelia Medusa</i>        | [196-]         |
| 103  | Tapeworm ( <i>Taenia Pisiformis</i> )                     | Page 7  | [196-]         |
| 104  | Roundworm ( <i>Ascaris Lumbricoides</i> ), dorsal views   | Page 8<br>a. Female<br>b. Male                                | [196-]         |
| 105  | Roundworm ( <i>Ascaris Lumbricoides</i> ), cross sections | Page 9<br>a. Male<br>b. Female                                | [196-]         |
| 106  | Freshwater mussel.  | Page 10<br>a. Ventral view<br>b. Inner surface of right valve | [196-]         |



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**SERIES 7: Accession of 2000**

Includes 29 illustrations donated in December 2000. All illustrations are from *Outline of Cat Anatomy with Reference to the Human*, which was published by the University of Washington Press and the University of Toronto Press, 2000. The illustrations contain figure numbers which correspond to their use in the text. For additional material from *Outline of Cat Anatomy with Reference to the Human* see Series 14.

**Note: All illustrations in Series 7 have been digitized and are stored on the R Drive  
(R:\Manuscript Collections lists\DVW Lists\Stephen Gilbert Drawings - Digitized Images)**

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|        |   | <ul style="list-style-type: none"> <li>c. Second cervical vertebra, right lateral view</li> <li>d. Fifth cervical vertebra, anterior view</li> <li>e. Fifth cervical vertebra, right lateral view</li> </ul>  |        |
| 1: 180 | Cat, lumbar vertebrae and sacrum                      | <p>Fig. 5</p> <ul style="list-style-type: none"> <li>a. Fifth lumbar vertebra, dorsal view</li> <li>b. Fifth lumbar vertebra, right lateral view</li> <li>c. Fifth lumbar vertebra, anterior view</li> <li>d. Sacrum, dorsal view</li> <li>e. Sacrum, right lateral view</li> <li>f. Sacrum, anterior view</li> </ul> | [199-] |
| 1: 181 | Cat, bones of the left forelimb                       | <p>Fig. 6</p> <ul style="list-style-type: none"> <li>a. Scapula, lateral view</li> <li>b. Radius and ulna, lateral view</li> <li>c. Humerus, lateral view</li> <li>d. Bones of the forefoot, dorsal view</li> </ul>   | [199-] |
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| 1: 205 | Human thoracic and abdominal viscera in relation to the skeleton       | Fig. 30                           | [199-] |

**SERIES 8: Gift of 2005**

Includes 31 original anatomical drawings by Stephen G. Gilbert for a revision of *Pictorial Human Embryology*, Seattle: University of Washington Press, 1989. Drawing numbers provided with title are numbers provided by the artist. Some drawings included details regarding the sourcing for the drawings. In such instances, the details have been transcribed exactly and included under the “contents” section.

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| <b>OVS Box 2</b><br>Folder 206 | Days 1-13 of ovarian cycle                    |  | 1989           |
| 2: 207                         | 1. Primary and secondary follicles            | a. Primordial follicle<br>b. Primary follicle<br>c. Secondary follicle                     | 1989           |
| 2: 208                         | 2. Nine day blastocyst                        | Sources for drawing: Luckett Fig. 3B; Hertig + Rock 1949 CCE V. 39, p. 171 – Patten p. 38. | 1989           |
| 2: 209                         | 3. Eleven day blastocyst (10 Cells per 0.1mm) | Sources for drawing: Hertig + Rock 1941 CCE V. 29; Luckett p. 64 Fig. 3D.                  | 1989           |

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| 2: 210 | 4. 13 day blastocyst embryo 0.2mm, Chorion 2.5 mm   | Sources for drawing: CCE V. 31 p. 99  | 1989 |
| 2: 211 | 5. Blastocyst prior to implantation   | Sources for drawing: Heuser & Streeter 1941   | 1989 |
| 2: 212 | 6 Bilammar embryonic disc   | Sources for drawing: Heuser, C.H et al. 1945. Two human embryos showing early stages of the definitive yok sac. Carnegie contributions. 3: 85-99. | 1989 |
| 2: 213 | 7. Schematic sagittal section of a twenty day old embryo. Also includes separate overlay drawing with labels, which was originally taped on the back. | Sources for drawing: HBM p. 75; Patten P. 63, Ingalls 1920; Ludwig 1928, Arey 89  | 1989 |
| 2: 214 | 8. 19 day old embryo.   | Sources for drawing: Ingalls 1920; Ludwig 1928, O'R p. 83   | 1989 |
| 2: 215 | 9. Dorsal view of a 22 day old embryo having seven pairs of somites   | Sources for drawing: Payne 1925. Patten p. 60   | 1989 |
| 2: 216 | 10. Section. 14 Somite embryo   | Sources for drawing: Heuser 1930. Gasser p. 28; p. 43)  | 1989 |
| 2: 217 | 11. 5 mm embryo   |   | 1989 |
| 2: 218 | 12. Uterus transverse sections  |   | 1989 |
| 2: 219 | 13. Sagittal section of the female pelvis. A two week old blastocyst is embedded in the endometrium   |   | 1989 |
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| 2: 221 | 15. a. Bronchial arches.  |   | 1989 |

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| 2: 222 | 15. b. Mesoderm in branchial arches #3-6  |  |      |
| 2: 223 | 16. Branchial arch derivatives 4 <sup>th</sup> week   |  | 1989 |
| 2: 224 | 17. Branchial arch derivatives (2, 3)   |  | 1989 |
| 2: 225 | 18. Tympanic membrane. Left tympanic membrane and auditory ossicles seen from medial side   | Sources for drawing: Cunningham 11 <sup>th</sup> ed p. 823<br>Anson 1973 p. 245.   | 1989 |
| 2: 226 | 19. Auditory ossicles   |  | 1989 |
| 2: 227 | 20. Branchial arch derivatives at term  |  | 1989 |
| 2: 228 | 21. Branchial arch derivatives in adults  |  | 1989 |
| 2: 229 | 22. Urogenital system:  | Fig. 1: Schematic lateral view of the urogenital system toward the end of the fourth week<br>Fig. 2: Schematic lateral view of the urogenital system during the sixth week<br><br>Sources for Fig 1: O’Rahilly 1987 p. 126<br>Sources for Fig. 2: Shiknami plate 2, fig. 3 | 1989 |
| 2: 230 | 23. Urogenital system<br>Fig. 3: The caudal portion of the urogenital system in the sixth week<br>Fig. 4: A mesonephric tubule and associated vessels | Sources for Fig. 3: Kelley & Burbam, p. 85;<br>Gasser, p. 151<br>Sources for Fig. 4: Shikinami, plates 6 and 7,<br>HBM p. 381  | 1989 |
| 2: 231 | 24. The ascent and rotation of the kidneys.   | a. 6 weeks<br>b. 7 weeks<br>c. 8-9 weeks   | 1989 |

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|        |   | Based on the drawing by Max Broaedel in Kelley and Burnam 1922, p. 92   |  |
| 2: 232 | 25. Development of the nephron                            |   |  |
| 2: 233 | 26. Cranial veins – 5 <sup>th</sup> week                  |   |  |
| 2: 234 | 27. Cranial veins – 6 <sup>th</sup> week                  |   |  |
| 2: 235 | 28. Cranial veins – 7 <sup>th</sup> week                  |   |  |
| 2: 236 | 29. Cranial veins at term                                 |   |  |
| 2: 237 | 30. Fetal skull   | After a model by Oscar Hertwig, 1989  |  |
| 2: 238 | 31. External skull base                                   |   |  |
| 2: 239 | Copies of Stephen Gilbert drawings with handwritten notes | Includes copies of<br>a. Human thoracic and abdominal viscera<br>b. Lateral view of the human brain stem and cranial nerves<br>c. Embryonic drawing<br>d. Embryonic drawing |  |

| <b>SERIES 9: Gift of 2006</b>   |  |  |                |
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| Includes 37 anatomical drawings, including drawings from the series “Bones and Ligaments of the upper limb” and “muscles of the upper limb.” Gift includes a file list provided by Gilbert. |  |  |                |
| <b>Note: All illustrations in Series 9 have been digitized and are stored on the R Drive (R:\Manuscript Collections lists\DVW Lists\Stephen Gilbert Drawings - Digitized Images)</b>        |  |  |                |
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| <b>OVS Box 3</b><br>Folder 240  | File list                                  | File list prepared by Stephen gilbert list the titles and numbers of each work in the 2006 gift      | 2006           |
| 3: 241  | Business card                              | A business card for Stephen Gilbert with his name handwritten at the top.                            | 2006           |
| <b><i>Bones and ligaments of the upper limb</i></b>   |  |  |                |
| 3: 242  | 1. Bones of the upper limb, anterior view  |  | [200?]         |
| 3: 243  | 2. Bones of the upper limb, posterior view |  | [200?]         |
| 3: 244  | 3. Shoulder Girdle                         | a. Clavicle<br>b. scapula, anterior view<br>c. scapula, posterior view                               | [200?]         |
| 3: 245  | 4. Shoulder Girdle                         | a. Scapula, lateral view<br>b. Articulated clavicle and scapula, superior view                       | [200?]         |
| 3: 246  | 5. Humerus                                 | a. Humerus, anterior view<br>b. Humerus, posterior view.   | [200?]         |
| 3: 247  | 6. Radius and ulna                         | a. Radius and ulna, anterior view<br>b. Radius and ulna, posterior view                              | [200?]         |
| 3: 248  | 7. Ulna                                    | a. Proximal part of the ulna, lateral view.<br>b. Distal parts of the ulna and radius, inferior view | [200?]         |

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| 3: 249  | 8. Bones of the right hand   | a. Bones of the right hand, anterior view<br>b. Bones of the right hand, posterior view<br><br>Source for drawing: Grant 506   | [200?] |
| 3: 250  | 9. Right shoulder  | a. Bones of the right shoulder, anterior view<br>b. Ligaments of the right shoulder, anterior view<br>c. Coronal section of the right shoulder<br><br>Sources for drawings: GR-Bones 6-35; 6-10,<br>Ligs 6-43. | [200?] |
| 3: 251  | 10. Lateral view of the right glenoid fossa  |  | [200?] |
| 3: 252  | 11. a. Ligaments of the elbow, lateral view  |  | [200?] |
| 3: 253  | 11. b. Ligaments of the elbow, medial view   |  | [200?] |
| 3: 254  | 12. a. Section of elbow and ligaments<br>b. Palmar carpal ligaments  | a. After Spalteholz<br>b. After Olsen  | [200?] |
| <b><i>Muscles of the Upper Limb</i></b>   |  |  |        |
| All descriptions and labels are in Spanish. Numbers were provided by Gilbert, some numbers are missing. |  |  |        |
| 3: 255  | Fig. 7. a. <u>Músculos</u> superficiales del tórax y miembro superior derecho. Vista anterior.<br>b. <u>Músculos</u> profundos del miembro superior derecho y tórax. Vista anterior. |  | [200?] |
| 3: 256  | Fig. 9. a. <u>Músculos</u> superficiales del dorso.<br>b. <u>Músculos</u> de la escápula   |  | [200?] |
| 3: 257  | Fig. 12. a. <u>Músculos</u> del brazo derecho. Vista anterior.<br>b. <u>Músculos</u> profundos del brazo derecho. Vista anterior.  |  | [200?] |

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| 3: 258 | Fig. 13. a. Músculos de la escápula y brazo. Vista posterior.<br>b. Músculos del miembro superior. Vista posterior. |  | [200?] |
| 3: 259 | Fig. 15. Músculos del antebrazo derecho. Vista anterior.  |  | [200?] |
| 3: 260 | Fig. 17. Músculos profundos del antebrazo. Vista anterior.  |  | [200?] |
| 3: 261 | Fig. 19. Músculos del antebrazo. Vista posterior.   |  | [200?] |
| 3: 262 | Fig. 21. Músculos del antebrazo. Vista posterior.   |  | [200?] |
| 3: 263 | Fig. 23. Músculos de la mano. Vista anterior o palmar.  |  | [200?] |
| 3: 264 | Fig. 24. Músculos profundos de la mano. Vista anterior o palmar.  |  | [200?] |

**SERIES 10: Gift of 2007**

Includes original anatomical drawings by Stephen G. Gilbert, including Nerves and Arteries, made for Professor Anne Augur; and various drawings for *Pictorial Human Embryology*. Drawing and figure numbers provided with title are numbers provided by the artist. Some drawings included details regarding the sourcing for the drawings. In such instances, the details have been transcribed exactly and included under the “contents” section.

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| 3: 265                 | Fig. 32. Brachial plexus | Labels and descriptions are in Spanish | [200?]         |
| 3: 266                 | Fig. 33. Axillary nerve  | Labels and descriptions are in Spanish | [200?]         |



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| 3: 267 | Fig. 34. Musculocutaneous nerve   | Labels and descriptions are in Spanish  | [200?] |
| 3: 268 | Fig. 35. Ulnar nerve  | Labels and descriptions are in Spanish  | [200?] |
| 3: 269 | Fig. 36. Median nerve   | Labels and descriptions are in Spanish  | [200?] |
| 3: 270 | Fig. 37. Radial nerve   | Labels and descriptions are in Spanish  | [200?] |
| 3: 271 | Fig. 38. Principle nerves of the upper limb in relation to muscles  | Labels and descriptions are in Spanish  | [200?] |
| 3: 272 | Fig. 39. Nerves of the hand   | Labels and descriptions are in Spanish  | [200?] |
| 3: 273 | 41. Branches of the subclavian and axillary arteries in relation to the skeleton  |   | [200?] |
| 3: 274 | 42. Principle arteries of the shoulder and neck in relation to the skeleton   |   | [200?] |
| 3: 275 | 43. Arteries of the dorsal aspect of the shoulder and neck  | Sources for drawing: FN 402, Grant 8 <sup>th</sup> Ed. Bones 6.26, aa. 6.32-6.34                                      | [200?] |
| 3: 276 | 44. Principle muscles, arteries and nerves of the arm, posterior view. Also includes separate drawing on the arm, which was originally taped to the back. | Sources for drawing: FN 401-407 Grant 505<br>Sources for 2 <sup>nd</sup> drawing: FN 401 407                          | [200?] |
| 3: 277 | 45. Principle muscles, arteries and nerves of the arm, anterior view  | Sources for drawing: Gray 1538, Rohen 385, grant 10 <sup>th</sup> ed. 473   | [200?] |
| 3: 278 | 46. Cubital fossa. Also includes an unlabeled drawing of the forearm on the verso of this drawing.  | Sources for drawing: grant 10 <sup>th</sup> ed. P. 462, Rohen 10 <sup>th</sup> ed. P. 386, Sobotta VIII part I Fig 75 | [200?] |

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|--------|--|--|--------|
| 3: 279 | 47. Principle arteries of the forearm, anterior view   | Sources for drawing: grant 536   | [200?] |
| 3: 280 | 48. Superficial palmar arteries  | Sources for drawing: Grant fig. 63, Gray 628 deep palmar branch – passes between abd. Dig. Mm and flex dig. Mm. mer. Fig. 8.38   | [200?] |
| 3: 281 | 49. Deep palmar arteries. Also includes a drawing of the bones of the hand that was originally taped to the verso. | Sources for drawing: Spoult I 205, II 435, Smel, I 217, II 302, Anson 104, Bassett 110-5, Gray 625, deep palmar arch, AA 475   | [200?] |
| 3: 282 | 50. Anterior triangle if the neck and suprahyoid region  | Sources for drawing: TO 379-366-383, AA -603, Grant 733, AA. P. 603, G.A 11 <sup>th</sup> edition 732-733, lg 500 739 for mm, TO 379 mm, 382 dd.                                       | [200?] |
| 3: 283 | 51. Axillary arteries, veins and nerves in relation to pectoralis minor  | Sources for drawing: TO 308, Gray 706 613  | [200?] |
| 3: 284 | Fig. 63. Embryonic drawing, 52 days  | Sources for drawing: Heart size – de Vries   | 1989   |
| 3: 285 | Fig. 69. Fig. 5A Stage 18, 13-77 mm, 44 days   |  | 1989   |
| 3: 286 | Fig. 72. Embryonic drawing. (Unidentified)   |  | 1989   |
| 3: 287 | Fig. 106. Embryonic drawing. (unidentified)  |  | 1989   |
| 3: 288 | Fig. 107. Stage 20, 20 mm, 50 Days! 8 <sup>th</sup> week   | Sources for drawing: Skull: Lewis 1920, leg Bardeen 1905b, A.J.A V 4 plate 3, Arm (Lewis 1902), Grafenberg 1906, debeer p. 355, vert: bardeen 1905a, Skull Kernan 1916, O’Rahilly 1972 | 1989   |
| 3: 289 | Fig. 105. Stage 23, 27-31 mm, 57 days  |  | 1989   |

| <b>SERIES 11: Gift of 2008</b>   |  |   |                |
|--|--|---|----------------|
| Includes 25 original anatomical drawings by Stephen G. Gilbert published in <i>Pictorial Anatomy of the Frog</i> (Seattle: University of Washington Press, 1965) and in <i>Pictorial Anatomy of the Fetal Pig</i> (Seattle: University of Washington Press, 1966). |  |   |                |
| <b>Note: All illustrations in Series 11 have been digitized and are stored on the R Drive</b><br><b>(R:\Manuscript Collections lists\DVW Lists\Stephen Gilbert Drawings - Digitized Images)</b>  |  |   |                |
| <b>BOX:<br/>FOLDER</b>   | <b>TITLE</b>   | <b>CONTENTS</b>   | <b>DATE(S)</b> |
| <i>Pictorial Anatomy of the Fetal Pig</i>  |  |   |                |
| <b>OVS Box 4</b><br>Folder 290   | 1. Ventral view of the heart and veins in a fetal pig  | Includes an overlay page with labels.   | [196-]         |
| 4: 291   | 2. The liver and small intestine in a fetal pig  | Includes 1. Ventrolateral view of the abdominal viscera. The umbilical cord is retracted ventrad. 2. Ventral view. The umbilical vein is cut and the penis, bladder, and umbilical arteries are retracted caudad. | [196-]         |
| 4: 292   | 3. Ventral view of the heart and major arteries in a fetal pig   |   | [196-]         |
| 4: 293   | 4. Lateral view of the head in a fetal pig, superficial dissection<br>5. Lateral view of the head in a fetal pig, deep dissection. | Includes an overlay page with labels  | [196-]         |
| 4: 294   | 6. Thigh muscles of the fetal pig, ventral view  |   |                |
| 4: 295   | 7. Arteries and veins posterior to the heart in a fetal pig  | Includes an overlay page with labels, as well as a descriptive entry on the subject matter.   | [196-]         |
| 4: 296   | 8. Middle ear ossicles in a human (after Bassett)  | Includes an overlay page with labels. Drawing based on photographs in David L. Bassett's <i>Stereoscopic Atlas of Human Anatomy</i>   | [196-]         |

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|---|--|---|--------|
| 4: 297                                      | 9. Stomach, spleen and large intestine in a fetal pig. | Includes an overlay page with labels.   | [196-] |
| 4: 298                                      | 10. Male urogenital system in a fetal pig              |   | [196-] |
| 4: 299                                      | 11. Female urogenital system in a fetal pig            |   | [196-] |
| 4: 300                                      | 21. Dissection of fetal pig lungs                      | Includes an overlay sheet with labels   | [196-] |
| 4: 301                                      | 22. Ventral view of the fetal pig brain                | Includes an overlay sheet with labels and a descriptive entry   | [196-] |
| 4: 302                                      | 23. Lateral view of the heart                          | Two drawings:<br>1. Lateral view of the heart in situ. The left lung and the left side of the thorax are removed to reveal the heart.<br>2. The coronary arteries | [196-] |
| 4: 303                                      | 25. Dorsal views of the heart in a fetal pig           | Includes a descriptive entry  | [196-] |
| 4: 304                                      | a. The Brachial plexus<br>b. The Lumbosacral plexus    | Contains an overlay sheet with labels and descriptive entries   | [196-] |
| <b><i>Pictorial Anatomy of the Frog</i></b> |  |   |        |
| 4: 305                                      | 12. Ventral view of abdominal vessels in a frog.       | Includes an overlay page with labels.   | [196-] |
| 4: 306                                      | 13. Dorsal view of the viscera in a female frog        | Includes an overlay page with labels.   | [196-] |
| 4: 307                                      | Diagrams of vertebrate circulatory systems             | Contains two overlays with drawings, labels and descriptive entries   | [196-] |
| 4: 308                                      | Sagittal section of frog eye                           |   | [196-] |

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|--------|---|--|--------|
| 4: 309 | Left lateral view of frog viscera           | Stomach, duodenum, left fat body removed                         | [196-] |
| 4: 310 | Frog Mouth                                  | Includes three drawings, as well as an overlay sheet with labels | [196-] |
| 4: 311 | Ventral view of the male urogenital system  | Contains an overlay sheet with labels and a descriptive entry.   | [196-] |
| 4: 312 | Dorsal view of the nervous system in a frog | Contains an overlay sheet with labels                            | [196-] |

**SERIES 12: Gift of Stephen Gilbert's Estate 2015**

Includes 60 original drawings from *Pictorial Anatomy of the Cat*, *Pictorial Anatomy of the Fetal Pig*, *Pictorial Anatomy of the Necturus*, *Pictorial Anatomy of the Dogfish*

**Note: All illustrations in Series 11 (except for box 10) have been digitized and are stored on the R Drive (R:\Manuscript Collections lists\DVW Lists\Stephen Gilbert Drawings - Digitized Images)**

| <b>BOX:<br/>FOLDER</b>              | <b>TITLE</b>  | <b>CONTENTS</b>   | <b>DATE(S)</b> |
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| <i>Illustrations of the Dogfish</i> |   |   |                |
| <b>OVS Box 5<br/>Folder 313</b>     | Fig. 1. The Dogfish – chondrocranium                                | Contains an overlay sheet with numbers.   | [196-]         |
| 5: 314                              | Fig. 4. The Dogfish – pectoral and pelvic fins                      | Includes an overlay sheet with numbers, which corresponds with a list on verso.                                       | [196-]         |
| 5: 315                              | Fig. 11. The Dogfish – viscera – ventral view                       |   | [196-]         |
| 5: 316                              | Fig. 12. The Dogfish [Shark] – blood supply of the alimentary canal | Includes an overlay with veins. Contains a numbered list on verso but drawing does not contain corresponding numbers. | [196-]         |
| 5: 317                              | Fig. 13. The Dogfish – heart and ventral veins                      | Includes an overlay sheet with labels.  | [196-]         |

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| 5: 318                               | Fig. 19. The Dogfish [Shark] – male urogenital system.                          | Includes an overlay with numbers, which correspond to a numbered list on verso.   | [196-] |
| 5: 319                               | Fig. 21. The Dogfish [Shark] – gestation  | After Frederick L. Hisaw and A. Albert's illustration "Observation on the reproduction of the spiny dogfish, <i>Squalus acanthias</i> ." <i>Biological Bulletin</i> . Vol. 92, pp. 187-199, 1947. | [196-] |
| 5: 320                               | Fig. 22. The Dogfish – divisions of the brain                                   | Includes an overlay sheet with numbers, and another with red colouring.   | [196-] |
| 5: 321                               | Fig. 26. The Dogfish [Shark]- vagus and hypobrondial nerves – dorsal view       | Contains an overlay with veins in red. Numbering on overlay correspond with list on verso of drawing.   | [196-] |
| 5: 322                               | Fig. 28. The Dogfish [Shark] – contents of left orbit (after extraction of eye) | Contains two overlays, one with veins in red and the other with numbering. Numbering on overlay correspond with list on verso of drawing.   | [196-] |
| 5: 323                               | Fig. 40. The Dogfish – brain – dorsal view                                      |   | [196-] |
| 5: 324                               | Fig. 42. The Dogfish – brain – ventral view                                     |   | [196-] |
| 5: 325                               | Fig. 49. The Dogfish – spinal cord – dorsal view                                |   | [196-] |
| 5: 326                               | The Dogfish – left eye – dorsal view.   | Includes an overlay page with labels. Central view of the eye muscles (after McKibben).   | [196-] |
| 5: 327                               | The Dogfish – left eye – ventral view   | Includes an overlay page with labels. Ventral view. P. 53.  | [196-] |
| 5: 328                               | The Dogfish – arteries, not meluded   |   | [196-] |
| <i>Illustrations of the Necturus</i> |   |   |        |

|                                |   |  |        |
|--------------------------------|---|--|--------|
| <b>OVS box 6</b><br>Folder 329 | Fig. 1. Necturus – skull –dorsal view                         | Includes two overlay sheet: one with areas coloured in red and the other with numbers which correspond to the list on verso.                   | [196-] |
| 6: 330                         | Fig. 2. Necturus – skull and gill arches – lateral view       | Includes two overlay sheets; one with areas coloured in red and the other with numbers which corresponds to the list on verso.                 | [196-] |
| 6: 331                         | Fig. 3. Necturus – [the skull – dorsal view]                  | Includes an overlay sheet with labels  | [196-] |
| 6: 332                         | Fig. 5. Necturus – muscles of head and forelimb, ventral view | Contains an overlay sheet with numbers, which correspond to a list on verso.   | [196-] |
| 6: 333                         | Fig. 6. Necturus – muscles of the hind limb – ventral view    | Includes an overlay with numbers, which correspond to a list on verso.   | [196-] |
| 6: 334                         | Fig. 7. Necturus – muscles of the hind limb – lateral view    | Contains an overlay with numbers which corresponds to the list on verso.   | [196-] |
| 6: 335                         | Fig. 11. Necturus – skull – [ventral view]                    | Includes two overlay sheets: one with areas coloured in red and the other with numbers. There is no corresponding list to explain the numbers. | [196-] |
| 6: 336                         | Fig. 15. Necturus – mouth and pharynx.                        |  | [196-] |
| 6: 337                         | Fig. 17. Necturus – heart and ventral aorta.                  | Includes two overlay sheets: one with veins coloured in red, the other with numbers which corresponds to the list on verso.                    | [196-] |
| 6: 338                         | Fig. 21. Necturus – male urogenital system                    |  | [196-] |
| 6: 339                         | Fig. 24. Necturus – divisions of the brain                    | Contains four overlay sheets with colouring and numbers. There is a handwritten legend on verso detailing the colour scheme.                   | [196-] |
| 6: 340                         | Fig. 26. Necturus – ventral view of brain and cranial nerves  | Includes an overlay with numbers, which correspond to a list on verso.   | [196-] |

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| 6: 341                                       | Fig. 27. Necturus – right membranes labyrinth of the salamander                           | Includes an overlay with numbers. There is no corresponding list to explain the numbers.                           | [196-] |
| 6: 342                                       | Fig. 46. Necturus – lateral view of the right membranous labrinth [sic] of the salamander | Contains an overlay sheet with labels. Right membranous labyrinth of the salamander, lateral view (after Francis). | [196-] |
| 6: 343                                       | Necturus – [female urogenital system]   |  | [196-] |
| <b><i>Illustrations of the Fetal Pig</i></b> |   |  |        |
| <b>OVS Box 7<br/>Folder 344</b>              | 5. Fetal Pig – homologous bones in the left hind leg of frog, cat, pig and horse.         | Includes three overlay sheets: two with colour and one with numbers and labels.                                    | [196-] |
| 7: 345                                       | 8. Fetal Pig – muscles of the shoulder – lateral view                                     |  | [196-] |
| 7: 346                                       | 9. Fetal Pig – muscles of the hind limb – lateral view                                    |  | [196-] |
| 7: 347                                       | 10. Fetal Pig – muscles of the ventral thoracic region                                    |  | [196-] |
| 7:348  | 14A. Fetal Pig – viscera in a female specimen – left lateral view                         |  | [196-] |
| 7: 349                                       | 14B. Fetal Pig – small intestine  | Left half of liver and left lung removed   | [196-] |
| 7: 350                                       | 15A. Fetal Pig – viscera in a female specimen – right lateral view                        |  | [196-] |
| 7: 351                                       | 17. Fetal Pig – the digestive system  |  | [196-] |
| 7: 352                                       | 19. Fetal Pig – gall bladder, pancreas, duodenum  |  | [196-] |
| 7: 353                                       | 21. Fetal Pig – the stomach   |  | [196-] |



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| 7: 354                                     | 22. Fetal Pig – the kidneys and ureters.   | Includes an overlay sheet with labels and a descriptive entry.   | [196-] |
| 7: 355                                     | 23. Fetal Pig - abdominal viscera  | Includes a small attached drawing of the abdomen.  | [196-] |
| <b>OVS Box 8</b><br>Folder 356             | 24. Fetal Pig – ventral view of abdominal viscera  | Includes an overlay with labels  | [196-] |
| 8: 357                                     | 24. Fetal Pig –<br>a. Longitudinal section of adult pig kidney.<br>b. Cast of pelvis and calices |  | [196-] |
| 8: 358                                     | 31. Fetal Pig- mature uterus   |  | [196-] |
| 8: 359                                     | 40. Fetal Pig – interior view of the heart   |  | [196-] |
| 8: 360                                     | 42. Fetal Pig – circulation in the fetus   | Includes glued labels, many of them missing. On the verso is a draft drawing.  | [196-] |
| 8: 361                                     | 42a. Fetal Pig – circulation in the fetus  | A coloured final version of Fig. 42. Includes all labels and legends, as well as an overlay sheet with letter and number references. | [196-] |
| 8: 362                                     | 47. Fetal Pig – lateral view of the brain and cranial nerves                                     | Includes an overlay with labels.   | [196-] |
| 8: 363                                     | 51. Fetal Pig – external auditory canal – posterior view   |  | [196-] |
| 8: 364                                     | 52. Fetal Pig – the bony labyrinth.  |  | [196-] |
| <b><i>Pictorial Anatomy of the Cat</i></b> |  |  |        |
| <b>OVS Box 9</b><br>Folder 365             | Fig. 3. Cat – dentary bone   | p. 6   | [196-] |

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| 9: 366 | Fig. 5. Cat – sagittal section of the skull  | p. 7  | [196-] |
| 9: 367 | Fig. 10. Cat – bones of the right forelimb   | Includes an overlay with labels and numbers. P. 12.   | [196-] |
| 9: 368 | Fig. 11. Cat – small bones of paw  | Includes an overlay sheet with numbers. There is no corresponding list to explain the numbers. P. 13. | [196-] |
| 9: 369 | Fig. 11. Cat –<br>a. The Humerus<br>b. The radius and the ulna   | One image from Fig. 11a. has become unglued and is missing.   | [196-] |
| 9: 370 | Fig. 12. Cat – bones of the right hindlimb   | Includes an overlay with labels and numbers. P. 14  | [196-] |
| 9: 371 | Fig. 12. Cat<br>a. The femur and the patella<br>b. The tibia and the fibula                                | p. 14   | [196-] |
| 9: 372 | Fig. 13. Cat – Bones of the left forefoot, dorsal view   | Includes an overlay sheet with numbers. There is no corresponding list to explain the numbers. P. 15  | [196-] |
| 9: 373 | Fig. 13. Cat –<br>a. Bones of the left forefoot, dorsal view<br>b. Bones of the left hindfoot, dorsal view | Includes an overlay sheet with numbers. There is no corresponding list to explain the numbers. P. 15  | [196-] |
| 9: 374 | Fig. 18. Cat – deep muscles of neck  | Includes an overlay sheet with numbers. There is no corresponding list to explain the numbers. P. 24  | [196-] |
| 9: 375 | Fig. 28. Cat – deep muscles of thigh, medial view.   | p. 35   | [196-] |
| 9: 376 | Fig. 30. Cat - sagittal section of the head and neck   | Includes an overlay sheet with numbers. There is no corresponding list to explain the numbers. P. 39. | [196-] |
| 9: 377 | Fig. 49. Cat – pelvic vessels and nerves, lateral view   | p. 70   | [196-] |

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| 9: 378   | Fig. 55. Cat – ventricles of the human brain.        | Includes an overlay sheet with numbers. There is no corresponding list to explain the numbers. P. 76                                  | [196-] |
| 9: 379   | Fig. 63. Cat – sagittal section of sheep’s brain.    | Includes an overlay sheet with numbers. There is no corresponding list to explain the numbers. P. 85                                  | [196-] |
| 9: 380   | Fig. 64. Cat – The cranial nerves                    | Includes a legend with small drawings and descriptive entries. Overlays include colour which corresponds to motor and sensory nerves. | [196-] |
| <b><i>Embryonic</i></b>  |  |   |        |
| 9: 381   | Embryonic stages of development. Stages 8-19.        |   | [1989] |
| 9: 382   | Embryonic stages of development. Stages 20-23        |   | [1989] |
| <b><i>The Human Body</i></b><br>Full-length and life sized portraits of the human body created in 1989. Some drawings were created in conjunction with D. Mazierski. Original are quite fragile. Use photocopies below for research and viewing if possible. (Currently under conservation). |  |   |        |
| <b>OVS box<br/>10<br/>Folder 383</b>   | Full-length human skeleton, arteries, anterior view  | Signed “S. Gilbert” and “D. Mazierski.” Dated 1989.   | 1989   |
| 10: 384  | Full-length human skeleton, anterior view            |   | 1989   |
| 10: 385  | Full-length human skeleton, posterior view           |   | 1989   |
| 10: 386  | Sketch of the respiratory system.                    | Including torso, lungs and kidneys  | 1989   |
| 10: 387  | Full-length human body, veins and circulatory system | White print with labels. Some veins coloured in orange.   | 1989   |

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| 10: 388   | Full-length human skeleton, posterior view                        | Spine and ribs numbered. Signed in pen by Stephen Gilbert and dated 1989. | 1989 |
| 10: 389   | Full-length human skeleton, nervous system, posterior view        | Signed by Stephen Gilbert in pencil                                       | 1989 |
| 10: 390   | Full-length human skeleton, circulatory system, anterior view     | Signed and dated by Stephen Gilbert in pencil                             | 1989 |
| 10: 391   | Full-length human skeleton, nervous system, posterior view, draft | Draft in blue pencil  | 1989 |
| 10: 392   | Full-length human skeleton, nervous system, posterior view        |   | 1989 |
| Photocopies. Full-length and life sized portraits of the human body created in 1989. Some drawings were created in conjunction with D. Mazierski. |   |   |      |
| <b>OVS Box<br/>11<br/>Folder 393</b>  | Full-length human skeleton, posterior view                        | Photocopy of original   | 1989 |
| 11: 394   | Full-length human skeleton, anterior view                         | Photocopy of the original   | 1989 |
| 11: 395   | Full-length human skeleton, anterior view                         | Photocopy of the original   | 1989 |
| 11: 396   | Full-length human skeleton, nervous system, anterior view         | Photocopy of the original   | 1989 |
| 11: 397   | Full-length human skeleton, anterior view                         | Photocopy of the original   | 1989 |
| 11: 398   | Full-length human skeleton, major posterior muscles.              | Photocopy of original   | 1989 |
| 11: 399   | Full-length human skeleton, major anterior muscles                | Photocopy of original   | 1989 |
| 11: 400   | Full-length human skeleton, arteries, anterior view               | Photocopy of original. Signed "S. Gilbert" and "D. Mazierski."            | 1989 |

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|---------|--|---|------|
| 11: 401 | Full-length human skeleton, arteries, anterior view            | Photocopy of original.  | 1989 |
| 11: 402 | Full-length human skeleton, arteries, anterior view            | Photocopy of original.  | 1989 |
| 11: 403 | Full-length human skeleton, circulatory system, posterior view | Photocopy of original   | 1989 |
| 11: 404 | Full-length human skeleton, nervous system, anterior view      | Photocopy of original   | 1989 |
| 11: 405 | Full-length human skeleton, veins, anterior view               | Photocopy of original. Signed "S. Gilbert" and "D. Mazierski." In pen, "Veins used 95-96 calendar." | 1989 |

**SERIES 13: Addition of 2015**

Includes 34 original drawings from *Pictorial Anatomy of the Fetal Pig*, *Pictorial Anatomy of the Frog* and drawings on the human body and skull development.

**Note: All illustrations in Series 13 have been digitized and are stored on the R Drive (R:\Manuscript Collections lists\DVW Lists\Stephen Gilbert Drawings - Digitized Images)**

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| <i>Pictorial Anatomy of the Fetal Pig</i> |   |                 |                |
| <b>OVS Box<br/>12<br/>Folder 406</b>      | 1. Diagram – digestive system                     |                 | [196-]         |
| 12: 407                                   | 2. Liver raised to expose stomach and gallbladder |                 | [196-]         |
| 12: 408                                   | 3. Stomach and liver removed                      |                 | [196-]         |

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| 12: 409 | 4. Pancreas and small intestine removed                     |   | [196-] |
| 12: 410 | 5. Spiral colon removed                                     |   | [196-] |
| 12: 411 | 6. Visceral surface of the liver                            |   | [196-] |
| 12: 412 | 7. Veins anterior to the heart                              |   | [196-] |
| 12: 413 | 8. Arteries anterior to the heart                           |   | [196-] |
| 12: 414 | 9. Left lateral view of the heart and great vessels in situ |   | [196-] |
| 12: 415 | 10. Ventral view of the heart                               | Pencil sketch of heart on verso                         | [196-] |
| 12: 416 | 11. Dorsal view of the heart (a)                            |   | [196-] |
| 12: 417 | 12. Dorsal view of the heart (b)                            |   | [196-] |
| 12: 418 | 12.a. Parasagittal section of the heart                     | Sources for drawing: Patten – pig – p. 261. Gray p. 556 | [196-] |
| 12: 419 | 13. Ventral view of the heart and lungs                     |   | [196-] |
| 12: 420 | 14. Left lateral view of the heart and lungs                |   | [196-] |
| 12: 421 | 15. Right lateral view of the heart and lungs               |   | [196-] |
| 12:422  | 16. The kidneys   |   | [196-] |

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|--|---|---|--------|
| 12: 423  | 17. Male urogenital system                                      | Sources for drawing: Bulbocavernosus, Walker<br>p. 79 | [196-] |
| 12: 424  | 18. Female urogenital system                                    |   | [196-] |
| 12: 425  | 19. Pregnant uterus   |   | [196-] |
| 12: 426  | 20. Fetal Membranes   |   | [196-] |
| <b><i>[The Human Body]</i></b>   |   |   |        |
| <b>OVS Box<br/>13<br/>Folder 427</b>   | 21. Muscles of the human eye                                    |   |        |
| <b><i>Pictorial Anatomy of the Frog</i></b>  |   |   |        |
| 13: 428  | 22. Ventral view of the Brain (frog)                            | Includes an overlay with labels and numbers.          | [196-] |
| 13: 429  | 23. Medial and lateral views of the membranous labyrinth [frog] |   | [196-] |
| 13: 430  | 24. Lateral views of the viscera (frog)                         | Includes an overlay with labels                       | [196-] |
| 13: 431  | 25. Ventral views of the viscera                                |   | [196-] |
| 13: 432  | 26. Ventrolateral view of the major vessels                     |   | [196-] |
| 13: 433  | 27. Ventral view of the heart                                   |   | [196-] |
| Six Drawings on the topic of skull development in humans, reptiles, fish and mammals |   |   |        |

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| 13: 434 | 28. Vertebrate Chondrocrania                        | Separate drawings for lungfish, frog, tortoise, duck, rabbit and man | [196?] |
| 13: 435 | 29. Development of the skull of sphenodon punctatus |  | [196?] |
| 13: 436 | 30. Development of the human skull                  |  | [196?] |
| 13: 437 | 31. Skull of human newborn, lateral aspect          | Includes an overlay with numbers                                     | [196?] |
| 13: 438 | 32. Skull of human newborn, inferior aspect         | Includes an overlay with numbers                                     | [196?] |
| 13: 439 | 33. Development of the skull of Amia                |  | [196?] |

**SERIES 14: Accession of 2001**

Includes 39 illustrations donated in 2001. Illustrations, both human and feline, are from *Outline of Cat Anatomy with Reference to the Human*, which was published by the University of Washington Press and the University of Toronto Press, 2000. The illustrations contain figure numbers which correspond to their use in the text. For additional material from *Outline of Cat Anatomy with Reference to the Human* see Series 7. This accession also contains 18 illustrations, which appeared in Stephen Gilbert's *Atlas of General Zoology*. The first edition was published in 1965 by Burgess Publishing Company of Minneapolis; the Atlas was republished by Macmillan & co., New York in 1975, and a second edition was published by Burgess Publishing Company in 1989. Illustrations with figure numbers are likely from the second edition.

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**SERIES 15: Accession of 2003**

Includes 32 original anatomical drawings by Stephen G. Gilbert on the anatomy of the fetal pig. Drawings have computer generated labels and were likely created substantially after *Pictorial Anatomy of the Fetal Pig* (1966)

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