

Anatomical History at Cornell *

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To set the stage for this review, Cornell University opened on Oct. 7, 1868 in South University building, the only building on campus (later re-named Morrill Hall). North University building (White Hall) was under construction but McGraw Hall in between, which would house anatomy, zoology and the museum, had not begun.

Louis Agassiz of Harvard, who was appointed non-resident Prof. of Natural History at Cornell, gave an enthusiastic inaugural address and set the tone for future courses in natural science. Included on the first faculty were **Burt G. Wilder**, M.D. from Harvard as Prof. of Comparative Anatomy and Natural History, recommended to President A.D. White by Agassiz, and **James Law**, FRCVS as Prof. of Veterinary Surgery, who was recommended by John Gamgee of the New Edinburgh Veterinary College and hired after an interview in London by Pres. White. Both Wilder and Law were accomplished anatomists in addition to their other abilities and both helped shape Cornell for many years. I found in the records many instances of their interactions on campus, which is not surprising when one considers how few buildings there were.

The Anatomy Department in the College of Veterinary Medicine has a legacy of anatomical teaching at Cornell that began before our College became a separate entity in 1896. Even after the Veterinary College opened, with a Department of Anatomy headed by **Grant S. Hopkins**, there was a separate Department of Histology and Embryology within the College for several years headed by **Simon H. Gage** and **Benjamin F. Kingsbury**. With the establishment of the Cornell University Medical College in New York City in 1898 another Department of Anatomy was established there. At the same time that the Medical College opened, a two year medical course was offered in Ithaca (top floor of White Hall) paralleling the first two years in New York City. A local Ithaca surgeon, **Luzerne Coville** was a lecturer in anatomy and **Abram T. Kerr** taught human gross anatomy. For a few years all women candidates for the M.D. degree were required to spend their first two years in Ithaca. (While President **Jacob G. Schurman** was negotiating the establishment of the Medical College in N.Y.C. the first live **Gorilla** to be seen in America arrived in Boston with much fan-fare. It died within a week, and was purchased by the University for Prof. Wilder to study the brain.)

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In 1902 the Department of Histology and Embryology, along with Profs. Gage and Kingsbury transferred from the Veterinary College to the Medical Division in the newly constructed Stimson Hall. Previous to this for a short time, medical students took histology and embryology in the Veterinary College but from 1902 to 1960 all veterinary students took histology and embryology in Stimson Hall from Profs. S.H. Gage, B.F. Kingsbury, **Howard B. Adelman** (PhD 1924) or **William A. Wimsatt** (PhD 1940). Others in medical Anatomy at the time Stimson Hall opened (1903) were J.H. Hathaway, W.M. Baldwin, J.P. Schaeffer, F.R. Wright and A.C. Durand. The Ithaca division did not thrive and in 1910 the Trustees reduced the medical course to a single year that could be combined with the senior year in Arts and Science.

When the Medical Division moved from Stimson Hall to New York City in 1939 the Professor of Neurology and Neuroanatomy, **James W. Papez** M.D., refused to leave Ithaca. He said he came here from Emory Univ. because of the beauty of the surroundings and had no intention of moving. Wisely he was allowed to continue his productive research and graduate teaching in Stimson Hall which became the Department of Zoology. Papez had been a graduate student of Judson Herrick (founder of the J. of Neurology) in Minnesota and when he left he took Herrick's artist along as his wife. She illustrated all of his papers and his book on "Comparative Neurology". Papez was a kindly person and a fount of anatomical knowledge, he could sketch the brain "wiring" of a fish, dog, or human with equal facility. His special interest was the limbic system and the seat of emotions. Papez, "the man without a college", was asked to teach Human Growth and Development to Home Economics students and Physical Anthropology to Arts & Science students both of which he taught admirably (I took them in 1941.) He also taught me Human Anatomy as a tutorial on cadavers that were left in the Stimson basement.

The Anatomy department of the Cornell Medical College in New York City was very active in animal research. **Charles Stockard** in 1936 established a Dog Farm in Peekskill, N.Y. where for six years he studied the anatomical characteristics of pure-bred dogs and their crosses. He saved photographs, skeletons and pituitary glands from all. (see "The Genetic and Endocrinic Basis of Form and Behaviour" published posthumously in 1941.) The collection was given to the Wistar Institute of Anatomy in Philadelphia and when they became a Virus Institute the collection was offered to our College in 1950. It was refused for lack of space, and then given to the Univ. of Pennsylvania Veterinary School. In 1990 the remains of the collection with its elaborate records were transferred to the State Museum of the University of Georgia (Athens) where it is well housed and available for study. **Joseph Hinsey** on the Cornell Medical Anatomy faculty published on the sympathetic nervous system before becoming Dean, **Jose Nonidez** first described "C" cells, and **G.N. Papanicolaou's** work in 1913 resulted in the "Pap" smear for cancer detection, .

Louis Agassiz (1807-1873) on campus periodically 1868-72.

A french-speaking naturalist from Neufchatel Switzerland who advanced the theory of a general glacial epoch. He came to America on a scientific mission, funded by the King of Prussia, to see if the evidence of glaciation that he found in the old world was true in the new (it was). Agassiz was so charmed by the natural history and the vitality of the people he met in America that he accepted a professorship in the newly established Lawrence Scientific School at Harvard in 1847. Agassiz was the founder and Director of the Museum of Comparative Zoology (MCZ) at Harvard and led several collecting expeditions which included Cornell faculty. One of these trips during the Civil War is recorded as "A Journey in Brazil" published by he and his wife in 1868. Many of the plants and animals encountered were brought back to Harvard and some were given to Cornell. Agassiz, although a non-resident Prof. of Natural History at Cornell, was a most popular lecturer downtown and in Barnes Hall. His course of twenty lectures on Natural History so impressed Prof. and Mrs. Fuertes (Engineering) that they named their new-born son Louis Agassiz Fuertes (1874).

[All users of ethyl lab alcohol owe Agassiz a debt of gratitude for convincing Congress to waive the tax on alcohol for scientific purposes, which still holds today and saves us much money. Formaldehyde had not been discovered as yet and large quantities of ethyl alcohol or rum were needed for anatomical and zoological preservation. (I have some McGraw Hall specimens that were in rum.) It was not until 1900 that a Russian made formalin which at first was used as a Hospital disinfectant and only later as a tissue preservative.]

Agassiz founded the Anderson School of Natural History on Penikese Island (1872), the forerunner of the Marine Biological Lab at Woods Hole, Mass. and Wilder was on the summer faculty. Later in the year Agassiz wrote to Wilder (then at Cornell) about the need to improve domesticated animals and wondered whether someone could study the embryology of the horse as he had studied the snapping turtle. Agassiz's last public presentation was on "The structural growth of domesticated animals" before the Massachusetts State Board of Agriculture only twelve days before his death. He was hoping to secure funds for embryological studies.

For a review of the life and work of Agassiz see: "What we owe to Agassiz" by Prof. Burt G. Wilder, an address at the Centenary of Louis Agassiz delivered at the request of President Schurman in Barnes Hall, May 1907. (Reprinted in The Popular Science Monthly, Vol. LXXI, July 1907). Also "Agassiz and Cornell" by Prof. A. H. Wright in Pre-Cornell and Early Cornell, Studies in History #15 1953 published privately.

James Law FRCVS (1838-1921) - taught at Cornell 1868-1921.

A graduate of the Edinburgh Veterinary College in 1857 at age 19. He received a medal for the best exam in general and descriptive anatomy. In 1860 he became Prof. of Anatomy and Physiology and Materia Medica at the Edinburgh New Veterinary College founded by John Gamgee in 1857. Together they wrote "General and Descriptive Anatomy of Domestic Animals" published in 1861 with a second part in 1862. In 1865 the Edinburgh New Veterinary College moved to Bayswater, London and changed its name to Albert Veterinary College. Law remained on the faculty of Albert until 1867 when he joined the Cornell faculty.

A dissection room and an anatomical museum, with surgical specimens prepared by Wilder and Law, was built in 1870 on the site now occupied by Goldwin Smith Hall. This is where the Auzoux models, that Pres. White bought in France, were kept. About this time, on the hill where Rockefeller now stands, a house was built for Law, the first faculty house on campus. Law retired in 1908 after 40 years of teaching on a Carnegie Foundation service pension.

The anatomy books used in the course in 1875 included Chauveau "Comparative Anatomy of Domestic Animals" and Gamgee & Law "Anatomy of the Domestic Animals". In 1885 the anatomical preparator was Fred L. Kilbourne BVS who later became the Director of the US Vet Experiment Station in Wash., D.C.

Burt Green Wilder M.D. (1841-1925) taught at Cornell 1867-1925.

Student, assistant and colleague of Agassiz. A Harvard trained M.D. who served in combat as Assistant Surgeon of the "Fifty-fifth Massachusetts Infantry, Colored" during the Civil War (1863-65). He joined the Cornell faculty in 1867 and served until 1925. He was an outspoken critic of social vices and he was never without a stand on the issues of the day. His investigations ranged from spiders to man. When the Cornell Bear broke Prof. Comstock's arm, Wilder set it. Wilder was a President of the Association of American Anatomists (1898), and Chairman of the Anatomical Nomenclature Committee. He wrote profusely and incisively about which terms should be used for the Central Nervous System. He established the Cornell Brain collection, donated his own, and urged other to do likewise. (Comstock and several others did.)

Simon Henry Gage B.S. (1851-1944) at Cornell 1873-1944

Although Gage was a well published anatomist, microscopist, and naturalist he had no advanced degree. He was a member of the original veterinary faculty and taught histology and embryology to veterinary students until 1908 at which time he retired on a

service pension from the Carnegie Foundation supplemented by Cornell for life. He continued his research in Stimson Hall and was still hard at work on the 17th edition of his book "The Microscope" when I came to Cornell in 1940. His publications included gross anatomy of the cat, and life-history of lampreys. He and Wilder wrote "Anatomical Technology as applied to the Domestic Cat". With H.P.Gage he wrote "Optic Projection. Principles, Installation, and use of the Magic Lantern, Projection Microscope, Reflecting Lantern, and Moving Picture Machine."

In 1916 on his 65th birthday Gage's friends presented Cornell with an endowment for "The Simon Henry Gage fellowship in Animal Biology". I held this fellowship at the Woods Hole Marine Biological Lab. in the summer of 1947 for the "Invertebrate" course. When I called the Graduate School to inquire about this fellowship they said there was no money left! Evidently they violated the endowment and spent the principle as well as the income. (For profiles on Gage see: Kingsbury 1931 Am.J.Anat.48:3-6 & Adelman 1945 Anat.Rec.91:1-2.)

Pierre A. Fish (1865-1931) DSc, DVS, DVM, MD was Asst. Prof. of embryology with Gage on original faculty, spent summers teaching at Woods Hole. Later was in Physiology/Pharmacology. He published on brain of fur seal, wrote three books, was editor of Cornell Vet, and died as Dean (1929-31) of Vet College.

Benjamin F. Kingsbury - PhD '95 M.D. '04 was an Instructor of Anatomy on the first faculty of the Veterinary College in 1895 and later Professor and Head of the Dept. of Histology and Embryology of the Medical College in Stimson Hall.

Howard B. Adelman (1898-1988), PhD '24 under Kingsbury, was one of Cornell's greatest scholars. He was at Cornell for 72 years, 67 of them as a member of the faculty. He served as chairman of Zoology from 1944 to 1959. Adelman was an experimental embryologist who studied cyclopia and other features in salamanders and birds. Very early in his career he began collecting rare books dealing with the history of embryology and his entire collection (5,000+ volumes) is now in the History of Science Collection at Cornell. He taught embryology to veterinary students from 1924 to 1960. The Cornell Press published his "Hieronymus Fabricius" in 1942 and his 5 volume internationally acclaimed "Marcello Malpighi and the Evolution of Embryology" in 1966 the year he retired. Adelman's graduate students who also taught veterinary students included **William Wimsatt, William Montagne, Harold Parks, Arlene Seaman, Nick Gerald** and **Duncan Chiquoine**.

Perry W. Gilbert AB '34 Dartmouth, PhD '40 Cor. is now Prof. emeritus in Neurobiology & Behaviour at Cornell and Emeritus Director of the Mote Marine Laboratory in Florida. When I first arrived at Cornell

in 1940 he had just received his PhD with a thesis on the morphology of burrowing sciurids (woodchuck, etc.) and his major professor, **William Senning**, had abruptly resigned over a salary dispute. Gilbert was appointed Instructor of Comparative Anatomy and hired me as a student technician. Within two years I was called by the Army and when I returned in 1946 he took me on for a PhD as a T/A and summer Instructor in Comparative Anatomy. In 1950 I moved from Stimson Hall to James Law Hall as Asst.Prof.of Veterinary Anatomy. In 1967 when Gilbert was offered the Directorship of the Mote Marine Laboratory in Florida I taught his course along with my own while he tried it out. He liked it and made a unique arrangement with Cornell: he retained his Professorship (without salary) and became the Director of the privately endowed Mote Marine Laboratory in Sarasota. The Mote lab provided on-site support for Cornell graduate research and Gilbert returned each year to lecture. He held this dual appointment until he retired from both in 1978. His early work was on the development of head cavities and eye muscles and later work concerned structure and function in sharks. (During the years 1944 to 1946 Gilbert cared for a new-born rattlesnake that I sent from Fort Sill, Oklahoma. When I returned to Cornell in 1946 the snake was three feet long and became an excellent demonstration for envenomation and feeding behaviour that continued at the Veterinary College until the snake died in 1963 at age 19.

William A. Wimsatt (1917-1985). PhD'43 with Adelmann. Was appointed Instructor of Anatomy at Harvard and returned to Cornell as Asst.Prof. of Zoology in 1945 and was made Prof.in 1951. He taught histology and embryology to veterinary students from 1945 to 1960 and was a member of the Section of Genetics, Development and Physiology. He collected, studied and wrote about vampire bats some of which he maintained for 25 years. Wimsatt's early work was on birds with Arthur Allen and much of his later work involved placentation. **Prof.H.P.A.deBoom** DVM from Onderstepoort, South Africa came to study with him in 1951 and subsequently returned to teach embryology and applied anatomy in the veterinary college as sabbatic replacements.

Marcus Singer taught neuroanatomy in Zoology for several years after Papez retired. He produced a large brain atlas for the dog based on three Beagles. Vet anatomy has a full set of every tenth original slide. **Harold Parks** was the next to teach neuroanatomy in Stimson Hall before going to Kentucky.

Other faculty on campus who publish on anatomy are: **Kenneth Kennedy** of Ecology and Systematics (primates), **Antonie Blackler** Genetics & Development (embryology), **Andrew Bass** Neurobiology and Behaviour (fish neuroanatomy), **Deedra McClearn** Ecology and Systematics (mammalian functional anatomy), **Ari vanTienhoven** Emeritus (bird reproduction), **Robert Silver** Physiology (histology), **Timothy Devoogd** Psychology (bird brain), **Robert Foote** Emeritus (mammalian

embryos) and **John Chiment** Asst. Dean Arts & Sciences (dinosaurs).

The first Department of Anatomy in the Veterinary College (1896) had one faculty member, **Grant Sherman Hopkins**. He had been a student assistant in the Department of Natural History during his senior year. Upon graduation with a BS in 1889 Hopkins was appointed Instructor in Anatomy in the Department of Natural History. He received a Doctor of Science degree from Cornell in 1893 (under Gage) with a thesis on the digestive tract of lungless salamanders. When the Veterinary College opened in 1896 Hopkins, who was teaching for Gage, was appointed Assistant Professor of Anatomy and Head. While in this position he enrolled, by special permission, as a student in the Veterinary College and received the DVM in 1900. (This allowance for taking an advanced degree while on the faculty was discontinued shortly afterward.) Hopkins was made a full Professor in 1903. He had an illustrator (Redwood) prepare drawings of his dissections in color and published several well illustrated Guides for the dissection of the horse and cow. He continued to come to his office in James Law Hall after his retirement in 1934 until his death in 1952. He was fun to visit because he enjoyed telling stories of student pranks. I remember his frugality of opening letter envelopes and flattening them under a rock. I once offered him a note-pad but he saw no reason to waste the inside of envelopes.

Summary of Veterinary College faculty in Anatomy.

Past:

Grant Sherman Hopkins (1865-1952) BS Cor. 1889, DSc Cor. 1893, DVM Cor. 1900. Head 1896-1934.

Earl Sunderville (1886-1958) DVM-taught from 1908 to 1947. Head 1935-1947.

Malcolm Eugene Miller (1909-1960) - BS Penn St. '34, DVM Cor. '34, MS Cor. '36, PhD Cor. '40. Instructor 1934-40, Asst. Prof. 1940-45, Assoc. Prof. 1946-47, Secretary of the College, Prof. & Head 1947 to 1960.

Present faculty:

Robert E. Habel - DVM Ohio '41, MS Ohio '47, MVD Utrecht '56. Asst. Prof. 1947, Assoc. Prof. 1953, Prof. & Head 1960-76. Emeritus 1978.

Howard E. Evans - BS Cor '44, PhD Cor '50, Asst. Prof. 1950, Assoc. Prof. 1953, Prof. 1960. Secretary of the College 1960-72. Chairman 1976-86. Cornell Trustee 1981-86. Emeritus 1986.

- Wolfgang O.Sack- DVM Toronto '57, PhD Edinburgh '62, DMV Munich '71.
Assoc.Prof.1964, Prof.1973, Emeritus 1991.
- Alexander deLahunta- DVM Cor.'58, PhD Cor.'63 Inst.1960-63,
Asst.Prof.1963\71, Assoc.Prof.1966\73, Prof.1973. Director of
Teaching Hospital & Chairman of Clinical Sciences 6 & 9 yrs.
overlapped. Chairman of Anatomy 1986-1990.
- John F.Cummings-BS Cor.'58, DVM Cor.'62, MS Cor.'63, PhD Cor.'66.
Asst.Prof 1967, Assoc.Prof.1971; Prof.1977. Secy.College'93
- Drew M.Noden- BA Wash.& Jeff.'66, PhD Wash.Univ.'72, Res.Assoc.&
Inst.Washington Univ.1972-73, Asst.Prof. Univ.Mass.'72-79,
Assoc. Prof.Cor.1979, Prof. 1985
- Cornelia Farnum- BA Stanford '64, DVM Minn.'82, PhD Wisc.'85
Asst.Prof.'87, Assoc.Prof.'90, Chair 1991.
- John Hermanson- BS Mass.'75, MS N.Az.'78, PhD Fl.'83.
Asst.Prof.1988, Assoc.Prof.1994
- John E.A.Bertram- BS U.British Columbia '81, MS U.B.C.'84,
PhD Chicago '88. Asst.Prof.1992.
- Mary S.Hackett BS Mich.State '74, DVM Mich.State '78, PhD Cor.in
progress. Lecturer 1991.
- Linda A. Mizer DVM Guelph '80, MS Ohio '83, PhD Ohio '87.
Lecturer 1991.
- Susan Dawson BA'88 Rutgers, PhD '93 Penn. Instructor 1994.

The Anatomy department has distinguished itself by first-rate teaching and the publication of well-illustrated anatomical guides and books that are known worldwide. Beginning with Gage- The Microscope (17 editions); Hopkins guides to the Dissection of the horse and cow (6 books); followed by Miller- Guide to the Dissection of the Dog (several.ed.); Leahy & Barrow- Restraint of Animals; Miller, Christensen & Evans- Anatomy of the Dog; Habel- Guide to the Dissection of the Cow (and then Ruminants); Rooney, Habel & Sack- Guide to the Dissection of the Horse; Evans and deLahunta - Miller's Guide to the dissection of the dog (4 revisions); Rooney's Guide to the Dissection of the Horse by Sack; Habel- Applied Anatomy; deLahunta and Habel- Applied Anatomy; Evans- Guide to the dissection of the Chicken and Budgerigar; Noden and deLahunta- Embryology of Domestic Animals; deLahunta- Neuroanatomy (2 editions); Dyce, Sack & Wensing - Textbook of Veterinary Anatomy; Schaller w/Habel & Sack-Illustrated Veterinary Anatomical Nomenclature; and Evans- Miller's Anatomy of the Dog (3rd edition).

Several faculty have been involved on International nomenclature committees, and three of them have served as President of the World Association of Veterinary Anatomists and the American Association of Veterinary Anatomists. Some are or have been editors of Journals. Several have written chapters for books or translated books. Publications have been a hallmark of the department. The hiring of a medical illustrator in 1947 by Malcolm Miller led to the production of accurate professional anatomical illustrations by a series of illustrators: Pat Barrow, Marion Newson, Lew Sadler, Bill Hamilton, and Michael Simmons. New illustrations for the teaching modules are now being made by Michael Simmons, College Illustrator.

Over the years an important feature of the anatomy department has been adequate facilities for gross and microscopic work and the technical and clerical help needed to support the faculty. In 1950 Alfreds Reidemanis, an immigrant from Latvia who spoke no English, was hired as the Gross Lab technician. In a relatively short time he became an excellent preparator and a reliable helper. When Alfreds retired after more than 25 years, Reinhold Dembinski a taxidermist and skeleton-maker replaced him. Presently Miriam Bridges with the help of Alan Baker are handling the Gross preparation for twice as many faculty. Histological work has been the responsibility of Helen Lehman, Barbara Loman-Hildreth, and Edith Koehn. Other technical work is done by Marketa Aschenbrenner, and Maria Laux. Clerical support under Pat Swartout is handled by Robin Wakeman, Ruthie Loeffler, and Jean Reed.

The Department has the Kingsbury/Adelmann Slide Collection of Domestic Animal Embryos (also several human and rodent series), the Evans Cleared Beagle embryo collection, the Singer Dog Brain Slides, the deLahunta Neuropathology tissue collection and the Kollias Zoo Animal skull collection.

The number of international faculty we have had in residence over the years has provided an outstanding opportunity for students and faculty to broaden their perspectives and learn new ways to think and teach. We owe much to the great diversity of visitors we have been exposed to at the College.

Chronology of all appointments in Anatomy including visiting, acting, and short term appointments.

1896 to 1926

Grant S.Hopkins Prof. & Head
 Simon H.Gage Prof. of Microscopy and Embryology
 Dr.Scammel & Mr.Illston- Demonstrators in 1899
 Earl Sunderville- Asst.Professor (1914)
 Howard E.Johnson, Inst.(1914)
 S.H.Gage made Emeritus (1916)
 Assistants:C.A.Griffin, H.C.McCarthy, A.T.Baeszler (1914)
 Erwin Moore (1915) E.S.Stone(1916), G.K.Cooke(1917), Clyde L.Kern (1922), Andre R.DeMott(1925), H.C.Parker (1926), J.P.McIntosh(1927), Joseph A.Thomas(1928), Fredrick G.Caslick (1929), Henry R.Miller (1931).

1933-34 G.S.Hopkins became Emeritus (age rule) but continued to come to the office until 1950.

1935-36 Earl Sunderville- Prof. & Head; Malcolm E.Miller- Inst.
 B.F.Favata- Student Asst. (1936)
 Ralph Loomis-Student Asst. (1938)

1941-45 Miller- appt. Asst. Prof.

48-49 Sunderville made Emeritus; Miller- Prof. & Head
 Robert E.Habel- DVM '41 Ohio, MSc '47 appt. Asst.Prof.
 John Leahy & George Christensen- Grad.Student Instructors w/Miller

1949-50 G.S.Hopkins, Emeritus; E.Sunderville, Emeritus
 Malcolm E.Miller, Prof. & Head; Robert E.Habel, appt.Assoc.Prof.
 George C.Christensen - Instructor 1948-52.

Howard E.Evans PhD Cor. '50, appt. Asst.Prof.

Chuanpit Ansuloytin DVM Bangkok, Grad.Student w/Miller

1951 Christensen went to Iowa St.

1952 Hopkins died

1953 Evans -Assoc.Prof.; Hermann Meyer DVM Zurich '53 - Instructor

1955 Raymond Williams DVM Tuskegee M.S.grad.w/Evans

1956 Meyer -Actg. Asst.Prof.; Robert McClure DVM Iowa '56 Inst.

1957 Carel van de Watering DVM Utrecht- Actg.Asst.Prof.

1958 Sunderville died

Chuanpit Ansulayotin- (Thailand) M.S.grad student w/Miller

1959-60 Micro and Embryology transferred to Vet College.

Al Stinson DVM '59 Georgia appt.Asst.Prof. (here '59-64)

1960-61 Miller died Apr.18, 1960

Habel appt.Head ; Evans appt.Sec'y.of College

Habel & Evans promoted to Prof.; McClure resigned to go to Missouri

Alexander deLahunta -DVM Cor. '57 Instructor grad.student w/Habel

Adrian Morrison DVM Cor. T/A Grad Student w/Habel

Fritz Preuss (Berlin) Visiting Prof.

1961-62 Habel-on sab.Spring term. Evans- Actg.Head
 deLahunta- Inst. taught Applied for Habel.

H.P.A.deBoom (S.Afr.) Visiting Prof.Embryology & Lg.An.Gross
 Jean Pierard (St.Hyacinthe,Quebec) T/A Grad.Student w/Evans
 Raymond Williams DVM Tuskegee Grad.Student w/Evans

1962-63 Benjamin Hart DVM Minn. Actg.Asst.Prof.
 63-64 deLahunta - Asst.Prof.; '64 new position given to Anat.
 Wolfgang O.Sack DVM at Guelph, Ontario hired as Assoc.Prof.
 Judith Scanlon- T.Asst.;John Cummings- T/A Grad Student w/Habel
 Asst.Prof. Al Stinson went to Mich.St.
 64-65 Evans sabbatic in Dept.of Medical Epidemiology,Univ.Penn.;
 deLahunta Actg. Sec'y. of College; Keith Dyce (London) Visiting
 Prof.Dog Gross; George Benson (Liverpool) Visiting Prof.Histology;
 Krzysztof Swiezynski (Prague) T.Asst.
 65-66 deLahunta appt. Assoc.Prof.;Robert Atkin (Glasgow) Visiting
 Assoc.Prof.Histology; Vincent Molony (Liverpool) T.Asst.
 Bruce Gray DVM Cor. T/A Grad.Student w/Habel
 Thomas McGeady (Dublin) Visiting Lecturer
 66-67 John Cummings appt.Asst.Prof.; Nils Bjorkman (Stockholm)
 Visiting Assoc.Prof.of Histology; John Grandage (Perth) Visiting
 Prof.;Vincent Molony (Liverpool) T.Asst.
 67-68 Habel on sabbatic in Vienna; Evans- Actg.Head
 H.Meyer (Colorado) Visiting Prof. of Applied Anat.
 Bruce Gray T/A Grad student w/Habel
 68-69 Michael Bryden DVM,PhD Sydney -Instructor & DSc w/Evans
 69-70 FuMing Wu (Taiwan) T.Asst.;Michael Dore (Ireland) T.Asst.
 Ari vanTienhoven- Visiting Prof.from Poultry Dept.
 Jack Munnell- Fellow in Electron Microscopy to Georgia
 70-71 John Kemmler (Texas) Visiting Prof.; Cummings to Assoc.Prof.
 73-74 Habel, Evans, deLahunta, Sack, Cummings
 74-75 Ronald Hullinger (Purdue) Visiting Prof.of Histology
 Fritz Preuss (Munich) Visiting Prof.;Raymond Williams (Tuskegee)
 Visiting Prof.
 75-76 Chairman Evans, Habel, Sack, deLahunta, & Cummings.
 Vernon Brightman (U.of Penn Dental) Visiting Prof.
 H.P.A.deBoom (S.Africa) Visiting Prof.of Applied Anatomy
 Tommy McGeady (Ireland) Visiting Assoc.Prof.
 76-77 deLahunta made Director of Teaching Hosp.
 Alistair Watson DVM (Palmerston,NZ) TA/grad w/Evans
 77-78 deLahunta- appt.Prof.& Chairman of Dept.of Clinical Sciences
 (while retaining anat.teaching)
 Jean Kratzing (Brisbane) Visiting Lecturer
 Gregory Chibuzo (Tuskegee) Visiting Lecturer & grad w/Evans
 78-79 Habel retired, Emeritus
 Evans on sabbatic in Hawaii & Australia.
 Cummings- appt. Professor & Actg. Chairman
 Patrick McCarthy- Visiting Assoc.Prof.of Appl.Anatomy
 Chuanpis Soponhirrunrux (Thailand) Visiting Assoc.Prof.
 Krysztof H.Swiezynski (Poland) Visit.Assoc.Prof.
 79-80 Noden appt.Associate Professor
 George Ross -(local pract.& former clinic prof.) Actg.Prof.of
 Applied Anatomy; Lynn Oliphant (Saskatoon) Visiting Assoc.Prof.
 Osman Abdalla (Sudan) Visiting Prof.

80-81 Osman Abdalla (Sudan) Visiting Prof.
 Melissa Behr- DVM Cor.'79 Instructor
 82-83 Hanania Gloobe (Costa Rica) - Visiting Prof.
 deLahunta- Prof.of Anatomy & Chr.Clinical Sciences no longer
 combined w/ Dir.of Teaching Hospital.
 Adele Martel- Post Doctoral Fellow w/Noden
 Christopher Murphy- PhD'84 w/Evans
 83-84 Bill Hamilton- Med.Illust. resigned
 Michael Simmons- appointed Med.Illust.
 Yong San Huang (Taiwan) Visiting Fellow w/Evans
 Ziqing Liu (Shandong, China) Visiting Fellow w/Evans
 84-85 Evans (Chair), Sack, deLahunta, Cummings, Noden
 James Petras- Walter Reed Army Med.Center- Adjunct Prof.
 Masao Asari (Japan) Visiting Asst.Prof. w/Evans
 Adele Martel PhD Wash.Univ., Lecturer w/Noden
 Deedra McClearn PhD Harvard, Res.Assoc.w/Noden
 Yong San Huang (Taiwan) Visiting Fellow w/Evans
 Prabin Mishra- (India) T/A Grad student w/Sack
 Nguyen Quoc An (Vietnam) Grad.student w/Evans
 85-86 Lora Miller DVM Cor.'85 Instructor
 William Forsythe DVM T/A w/Cummings
 David Covell Post-Doc.Fellow w/Noden
 Evans retires Aug.'86; deLahunta appt.Chair
 86-87 Sanet Kotze BVSc Pretoria- Visiting Lecturer
 Karen Zitch- Grad.Student w/Noden
 87-88 John Hermanson PhD appt.Asst.Prof.
 Sandy McAllister- Grad.Student w/Sack
 89-90 Debra Dennett DVM Cor.'87 Lecturer
 Christine Miller DVM Cor,'89 Instructor
 Yoshihiro Hayashi PhD'75 Tokyo, Visiting Prof.w/Noden
 Jackie Webb PhD'88 Boston Univ., Post-Doc.w/Noden
 Gilbert Burns DVM Cor. T/A Grad. Student w/
 90-91 Cornellia Farnum- named Chair; Dianna Mullen- Lecturer
 Miriam Bridges- Anatomical Technician
 91-92 Abraham Bezuidenhout BVSc'82 Pretoria- Visiting Prof.on
 Woodchuck project w/Bud Tennant & Evans
 John Bertram BSc'81, MSc'84 British Columbia, PhD'88 Chicago,
 PostDoc.Harvard appt. Asst.Prof.
 Mary S. Hackett BS'74, DVM'78 Mich., Lecturer
 Linda Mizer DVM Guelph'80, MSc'83, PhD'87 Ohio State, Lecturer
 Marcia Sydney-Zax PhD/DDS Hebrew Univ.Post-Doc.Fellow w/Farnum
 Dennis Cullinane- grad.student w/Bertram
 William Schutt- grad student w/Hermanson
 Wolf Sack retires
 92-93 Ron Meyers PhD'92 Brown Instructor
 Chris Wahl-Loew PhD '90Cor. Post-Doc.Fellow w/Noden
 Jocelyn Holash Grad.Student Univ.Toronto, Visitor w/Noden
 Robert Poelmann Prof.Univ.Leiden, Visitor w/Noden
 Bao Bin Assoc.Prof.& V.P.Inner Mongolia Coll.Agr., Visitor w/Noden
 93-94 Michael Vilenchik PhD'66 USSR Acad.Sci., Moscow. Post-
 Doc.w/Noden
 Antonio Serrano DVM '90 Spain. Visitor w/Hermanson (2mo.)

Sabine Langer DVM '93 Vienna. Visitor w/Sack (3mo.)
94-95 Susan Dawson BA'88 Rutgers, PhD'93 Penn., appt.Instructor

Missing from the dated listing:

James Ingram- (Colorado) Visiting Prof., taught Applied Anat.1 yr.

Gustav Bjorch- Visiting Prof.taught Histology 1 yr.

Shinichi Mikami- Iwate Univ., Morioka Visiting Prof. w/Habel

Neal May- Sydney, Visiting Prof.

Ellis Crowshaw DVM Cor. T/A