

DOWNLOAD PDF ATLAS OF TOPOGRAPHICAL AND APPLIED HUMAN ANATOMY

Chapter 1 : Atlas of Applied (Topographical) Human Anatomy

His anatomical atlas, the magnificently illustrated Topographische Anatomie des Menschen (Atlas of Topographical and Applied Human Anatomy), maps the human body in exquisite detail and has been hailed as one of the most important anatomic atlases since the work of Vesalius.

Early life[edit] Pernkopf was born in in the Lower Austria village of Rappottenstein , near the border with Bavaria. The youngest of three sons, he seemed to be considering a career in music upon his completion of the Gymnasium in Horn. During his time there he became a member of the Student Academic Fraternity of Germany, a student group with a strong German nationalist persuasion. Hochstetter became his mentor and one of his strongest influences. He served in the military as a physician for a year during World War I. In he earned the title of associate professor , with a promotion to full professor two years later. The following year he became a member of the Sturmabteilung , better known as the SA, Storm Troopers or "brownshirts". In he was promoted again, becoming dean of the medical school. In his new position, in a supportive political environment, Pernkopf put his Nazi beliefs into action. He required medical faculty to declare their ethnic lineage as either "Aryan" or "non-Aryan" and swear loyalty to Nazi leader Adolf Hitler. He forwarded a list of those who refused the latter to the university administration, who dismissed them from their jobs. They should "[promote] those whose heredity is more valuable and whose biological constitution due to heredity gives the promise of healthy offspring [and prevent] offspring to those who are racially inferior and of those who do not belong. As he had begun his speech with "Heil Hitler! To him who is the proclaimer of National Socialist thought and the new way of looking at the world and in whom the legend of history has blossomed and has awakened and who has the heroic spirit within him, the greatest son of our homeland, we wish to give our gratitude and also to say that we doctors with our whole life and our whole soul gladly wish to serve him. So may our call express only what each of us feels from the bottom of his heart; Adolf Hitler, Sieg Heil! He kept expanding it, and it became popular with the rest of the university instructors and the Austrian medical community. As he attained his full professorship he was offered a contract to expand it into a publishable book, and he eagerly accepted. He worked hour days dissecting corpses, teaching classes and discharging his administrative responsibilities while a team of artists created the images that would eventually be in the atlas. These became the descriptive text that accompanied the images. The other three all had some degree of formal training. This was enabled by a special treatment of the paper used for watercolor images that allowed greater detail than that type of paint normally did. The only deviation from this high level of realism was the use of color, where Pernkopf instructed them to use brighter hues than those found in real cadavers so that a reader would better learn to recognize and distinguish key anatomical landmarks. They signaled this through the use of Nazi symbols in their work for the atlas. In his signature, Lepier frequently used the "r" at the end of his name as the basis for a swastika , and Endrasser likewise used two Sig runes , the lightning-bolt insignia of the Schutzstaffel SS , for the "ss" in his name. It was large enough that it required two books, one devoted to anatomy in general and the other covering more specifically the chest and pectoral limbs. Four years later, in , the second volume, likewise requiring two books, came out. It covered the abdomen, pelvis and pelvic limbs. With the exception of Lepier, ineligible for service because of his severe varicose veins , all the artists entered military service. Lepier nevertheless volunteered as an air raid warden , as did Batke when he returned home after being wounded and receiving the Iron Cross on the Eastern front. These duties interrupted their artistic work. He continued to serve in those positions until World War II ended two years later, with the surrender of Germany , including Austria. His fortunes would change radically as a result. Fearing that he might suffer legal or political repercussions for his previous Nazi party membership and prewar actions, he went on what he claimed was a vacation to Strobl in the state of Salzburg. However, he was arrested by American military authorities in August , and by May he had been terminated from all his remaining positions with the university. Although he was ultimately never charged with any crimes, he was required to do regular hard

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labor throughout his imprisonment. The experience left him drained and exhausted when he returned to Vienna after his release, hoping to continue his work on the atlas. They continued working in the small space Hoff gave them. He worked by himself while Pernkopf resumed his prewar schedule despite the privations he had endured. Wilhelm Dietz, older than the others, contributed paintings of the neck and pharynx during his two years on the project. Elfie von Siber painted facial muscles. The third volume, covering the head and neck, was released in 1941. Two of his former colleagues, Alexander Pickler and Werner Platzer, completed it for its publication. Since little translation was necessary, this was the version of the atlas which medical students and physicians elsewhere in the world came to know and revere. Howard Israel, an oral surgeon at Columbia University, revealed that the subject bodies may have in some cases been those of executed political prisoners. Since then physicians have discussed whether it is ethical to use the atlas as it resulted from Nazi medical research. Israel directed a request to the University of Vienna to investigate the issue. This resulted in the establishment of the Senatorial Project of the University of Vienna "Studies in Anatomical Science in Vienna from 1938 to 1945" [11] in 1998. The project confirmed that at least 1,000 bodies of executed persons were delivered to the University during the Nazi times and its usage cannot be excluded from at least images of the atlas. Wiesenthal himself answered that it was unlikely, since during the Third Reich the Vienna Landsgericht, or district court, passed death sentences solely on "non-Jewish Austrian patriots, communists and other enemies of the Nazis. Opponents have asserted that any use of the atlas makes the user complicit in Nazi crimes and that modern technology, such as the Visible Human Project based on the tomographic dissection of a man executed in the United States, will make the atlas redundant if it has not done so already. Proponents have countered that the knowledge gained from the atlas can be ethically separated from its origins nor can it be in some cases easily replaced by modern technology or other atlases. How can something so beautiful at the same time be so utterly despicable? Herein lies the paradox of the Pernkopf Atlas, as a legacy of the Third Reich: Beautiful anatomical drawings were created, but this was only made possible by the unethical and unlawful procurement of the anatomical remains of murdered victims of an evil Nazi regime—thus beauty and evil were fused. This fusion not only perverts and diminishes the status and content of the Pernkopf Atlas, but also explains why it should be rejected.

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Chapter 2 : Eduard Pernkopf - Wikipedia

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Chapter 3 : Atlas of applied (topographical) human anatomy - Biodiversity Heritage Library

the atlas of topographical and applied human anatomy While Pernkopf was an assistant to Hochstetter, he began working on a human anatomy dissection manual for his medical student classes. He continued to develop the manual over time to a point where it became popular with the medical community, resulting in a publication contract with Urban.

These books are used by medical students and doctors for study and reference. They are also useful for anyone who works on the human body - physical therapists, massage therapists, bodyworkers, bodybuilders, athletes of all kinds, yoga students, yoga teachers. And of course since we all have bodies, anyone may find these books interesting. These are also very interesting books. Atlases mainly just have pictures. There are also many atlases which specialize in just some parts of the body. Atlases of human anatomy can be found in libraries and in larger bookstores. They are usually kind of expensive but used copies can be found more cheaply in used bookstores and on eBay or Amazon. There are several major current atlases of human anatomy. A detailed listing of these major atlases follows. If you find these books useful, you may want to get more than one, since they are all different. It can even be useful to have different editions of the same atlas. If you are a medical student, it may be useful to get one of the photographic atlases. Most people who will not be dissecting cadavers or performing surgery would probably be better off with the non-photographic atlases. Clemente and Netter would probably be the best choices for most people. There are also many older atlases and lesser known or less important atlases. For a large list of what is currently available, you can search on "human anatomy atlas" at Amazon. I am not a doctor or medical student, I just find these books interesting. In fact, I think these are the most amazing books in the world. Also, some web links are listed at the bottom of this page. With illustrations from Sobotta and in the 2nd and later editions from Pernkopf. It is a matter of record that before World War II these atlases were the most popular ones consulted by American medical students. In the United States, with the advent of other anatomical atlases, the shortening of courses of anatomy in the medical schools, and the increase in publishing costs, the excellent but larger editions of the Sobotta atlases have become virtually unknown to a full generation of students. During the past twenty years of teaching Gross Anatomy at the University of California at Los Angeles I have found only a handful of students who are familiar with the beautiful and still unexcelled Sobotta illustrations.

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Chapter 4 : Pernkopf Atlas of Topographical and Applied Human Anatomy | JAMA Surgery | JAMA Network

Nearly every Student of Anatomy and every Practitioner feels the need of some book which shall for the former, serve as a supplement to dissection and assist in the study of prepared anatomical specimens and which, for the latter who cannot spare the time for the study of specimens or whose work.

Hardcover The first order of business is to review these two books for what they are: As countless others have remarked since their publication over 50 years ago, these are unarguably the most beautiful anatomical renderings of the human body yet produced. The dissection angles, exquisite details, saggital and coronal sections and 3-D renderings are astonishing, particularly when it is understood that work on this two volume atlas began in and ended 30 years later. Volume 1, which covers the anatomy of the head and neck, is indispensable for surgeons operating in this terrain. The sheer beauty of the illustrations reflects the hard reality that over 1, bodies were dissected to produce these books. The beauty of the illustrations thus reflects a knowledge of human anatomy that is at once enclyopaedic and intimate. The images capture a deep love and appreciation for both the structure and the mechanics of the fabric of the human body. Having said these things, I would hasten to add that this is not a stand-alone anatomy atlas, nor is it an atlas that can be used straightaway as a guide to human cadaver dissection. Yes, medical and other students of human anatomy could greatly benefit from this book, but mostly in conjunction with other books that offer didactic text, correlation with contemporary medical imaging modalities, such as CT, MRI and ultrasound, and increasingly, access to web based resources, such as interactive 3-D renderings, many additional images and complementary text and videos. And that brings me to my next point, which is the difference between the yeoman and the consummate professional. Alas, I cannot leave off my comments here. The former allegation has not been substantiated, but the latter allegation is a near virtual certainty. This has lead to an outcry to pull the books from use and even to consign them to flames. The argument in favor of this position is simple: There are problems with this argument on many levels. Much of our civilization is the direct or indirect product of immense human suffering, brutal exploitation and wholesale and grossly unjust slaughter of innocent human beings. No stigma is attached to touring the blood soaked temples of the Maya or the Aztecs, to traveling on roads or living in buildings produced by slave labor that resulted in staggering misery, morbidity and mortality. Few give any thought to the wholesale theft of the intellectual property of men like Tesla, Semmelweiss and countless others, who suffered penury and humiliation and no infrequently loss of health and life as a result - suffering and hopelessness that, in many cases, went on for decades. Alternating current is used by almost all with the flip of a switch without a thought given to the injustice that made it possible. Indeed, a significant fraction of every dollar we spend and every economic transaction we engage in is derived directly from the abuse, exploitation and deaths of other human beings. Travel the world and see where and how much of your clothing, consumer electronics, household goods and even medical supplies are made, and then give some careful consideration as to just how clean your hands are. In fact, to do so would remove a primary source of life giving value that arguably, in some small way, helps to repay the terrible cost in life and terror that the victims who were anatomized to produce these books suffered. Their sufferings and deaths cannot be undone and it is a Phyrric victory to destroy, or refuse to benefit from, the life giving work-product that resulted from their sacrifice. So what is the moral thing to be done? First and foremost, it is critical to inform each and every user of this work of its origins and of the enormous price paid in human life and human dignity in creating it. Second, it is absolutely essential that the authors and their heirs, institutional or individual, in no way profit from the work. What this means in practical terms is that these books should be placed in the public domain and made freely available to all of humanity for the good they can do, with the proviso that there be full full disclosure, as well as gratitude and honor given, to those whose lives were taken to create this beautiful and valuable anatomical masterpiece. Users of these books should also be encouraged to provide payment for the benefit they receive by contributing time, money, or both to institutions that fight

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against the abuse and exploitation of people for economic gain, or to advance ideological, religious or racist agendas. In short, the deed is done and in this, as in so many other instances, exploitation and abuse of people have produced both beauty and lifesaving goodness. Destruction of, or failure to use this asset does nothing to decrease the chances that such abuses will not recur. Pernkopf and his colleagues are long dead. The work will endure despite the most comprehensive efforts to ban it. The only solution available that both serves as a deterrent, and in some small way mitigates the evil of what was done, is to ensure that no economic advantage results from the continued use of such works, and that the reputations of the men who produced it are blackened from this point forward, as well they should be.

Chapter 5 : Eduard Pernkopf (Author of Atlas of Topographical and Applied Human Anatomy, Vol. 2)

As a discipline sufficient unto itself, gross anatomy is virtually a dodo. Those men who teach the subject now are usually something other than gross anatomists—they are neurophysiologists, electron microscopists, experimental pathologists, surgeons. A prediction that the time given to the.

Chapter 6 : “Eduard Pernkopf’s Atlas” – a tainted beauty • - AHRPAHRP

This is a new edition of the classical topographical human anatomy by Pernkopf which is now offered as a two-volume atlas. Volume I is concerned with the head and neck.

Chapter 7 : Atlases of Human Anatomy - A Detailed Listing

American medicine owes a great debt to Dr Monsen for his graceful and accurate translation of this edition, as well as the one of , and a debt to Prof Ferner for his fastidious attention to anatomical accuracy and artistic merit.

Chapter 8 : Books by Werner Platzer (Author of Color Atlas Of Human Anatomy, Vol.1 Locomotor System)

Full text Full text is available as a scanned copy of the original print version. Get a printable copy (PDF file) of the complete article (K), or click on a page image below to browse page by page.

Chapter 9 : Banned Medical Books | Rutgers University Libraries

Eduard Pernkopf's Atlas of Topographical and Applied Human Anatomy has been called "a tainted beauty." The atlas consists of exquisite watercolor paintings of human anatomy, and is considered a "masterpiece," "a work of lasting scientific importance" that has been used by.