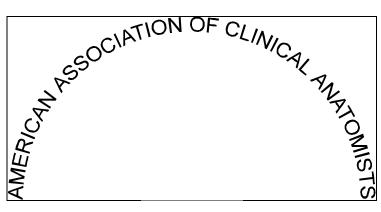
AMERICAN ASSOCIATION OF CLINICAL ANATOMISTS



The object of this Association shall be to advance the science and art of Clinical Anatomy, to encourage research and publication in the field and to maintain high standards in the teaching of Anatomy





EXECUTIVE COUNCIL

<u>Officers</u>	
<u>President:</u>	<u>Secretary-Treasurer</u> :
Peter C Amadio, M.D.	Sharon Oberg, Ph.D.
President-Elect:	Program Secretary:
Arthur F. Dalley, II, Ph.D.	Daniel O. Graney, Ph.D.
Vice President:	Past President:
R. Benton Adkins, Jr., M.D.	Donald R. Cahill, Ph.D.

Councillors

Robert D. Acland, M.D.

Anne M. Gilroy, M.S.

Lawrence H. Mathers M.D., Ph.D.

Todd R. Olson Ph.D.

CLINICAL ANATOMY

Official Journal of the American Association of Clinical Anatomists and the British Association of Clinical Anatomists

EDITORIAL BOARD 1995

AACA EDITOR	EDITOR IN CHIEF	BACA EDITOR
Sandy C. Marks, Jr.	Donald R. Cahill	R.J. Scothorne

FOUNDING EDITOR: Ralph Ger (1988-91)

ASSOCIATE EDITORS

S. Ahrinejad	Raymond F. Gasser	Sepp Poisel
F. David Aker	Ralph Ger	Tatsuo Sato
Peter Amadio	Malcolm H. Hast	Hans-Martin Schmidt
Robert H. Anderson	B. Hillen	H. N. Schnitzlein
Richard A. Berger	D. Gareth Jones	Carol Scott-Conner
Charles E. Blevins	Subramaniam Krishnan	Mark F. Seifert
David Bowsher	Michael v. Lüdinghausen	James P. Shaw
Gene L. Colborn	Stuart McDonald	Phillip R. Waggoner
Arthur F. Dalley, II	Stewart P. Mennin	Guoying Wang
Peter Dangerfield	Stanley Monkhouse	Gary E. Wise
Adrian Dixon	Keith L. Moore	Bernard Wood
Harold Ellis	Lois Newman	Huan Chen Zuo
Frank J. Frassica	Andrew F. Payer	



THURSDAY JUNE 13, 1996

ANNUAL BANQUET

Presentation of Honored Member Award

to

Robert A. Chase, M.D.

Joslyn Art Museum

6:00-8:00	Galleries open
	Reception with refreshments (cash bar),
	Storz Fountain Court

6:45-7:30 <u>History of Anatomy in Art</u>

Peter Abrahams, MB BS FRCS (Ed) FRCR, Clinical Anatomist, University of Cambridge, UK Lecture Hall

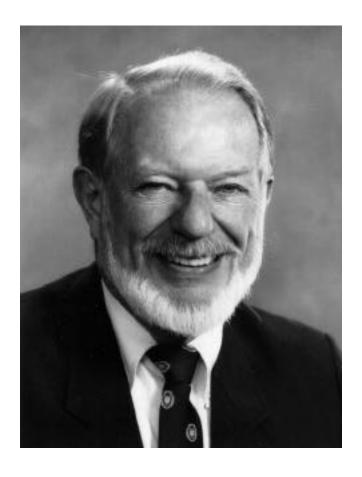
8:00-9:30 Annual Banquet, ConAgra Atrium

Presentation of Honored Member Award to Robert A. Chase, M.D., Emile Holman Professor of Surgery (Hand) and Professor of Anatomy, Emeritus, Stanford University School of Medicine

Creighton University School of Medicine Omaha, Nebraska

The \$145 registration fee paid by members includes the cost of the Scientific Program and the Banquet. The spouse or guest of the registrant is welcome to attend the banquet, \$35.00,

Honored Member 1996



ROBERT A. CHASE M.D.

Surgeon * Anatomist * Educator * Administrator

For his distinguished career in clinically-applied anatomy, his visually-oriented approach to medical education, and in grateful appreciation of his dedicated service to the **AACA**.

Previously Honored Members:

W. Henry Hollinshead, 1984	Frank H. Netter, 1990
Chester B. McVay, 1985	Ralph Ger, 1991
Donald James Gray, 1986	M. Roy Schwarz, 1992
Russell T. Woodburne, 1987	Carmine D. Clemente, 1993

SPONSORS/COMMERCIAL EXHIBITORS

Generous donations and/or commercial exhibitor fees paid by the following companies and organizations have substantially reduced the Association's expenses in presenting this meeting. You are encouraged to visit the exhibits available for viewing in the West Ballroom/Drawing room. Please refer to your registration packet for an up-to-date listing, including sponsors who have registered after the date of this printing.

A.D.A.M. Software, Inc Featuring (Adam Comprehensive Software Program)

CIBA-GEIGY Medical Education

E.F.H., Inc Formaldehyde-free Anatomical Fluid

Gold Standard Multimedia Inc.

Igaku-Shoin Medical Publishers

KLN Steel Products
Dissection/Prosection Tables & Tanks

Mosby - Year Book Inc.

Overhead Camera Systems, Inc.

The Parthenon Publishing Group distributors for The Anatomy Project

(A Waverly Company)

PRELIMINARY EVENTS

All Tuesday events at the Red Lion Hotel. Check events board to confirm meeting rooms

8:00 am	Journal Committee for Committee members Dakota Room
9:00	Executive Council Meeting - (for AACA Officers and Councilors. Dakota Room
5:30 p.m.	Registration and Check-in. Banquet Level
6:00 p.m.	Welcome Reception - (cash bar) (for all meeting attendees and their accompanying persons. Lewis/Clark Rooms Check events board for outdoor location, weather permiting

SCIENTIFIC PROGRAM*

*The Creighton University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor continuing Medical Education for Physicians and adheres to all AACME standards regarding industry support for continuing medical education.

The Creighton University School of Medicine designates this CME activity for a total of 15 hours in Category 1 of the Physicians Recognition Award of the American Medical Association

All events at Skutt Student Center, Creighton University

- 7:00 am Editorial Board Breakfast Meeting -- for Editors and Associate Editors -- of CLINICAL ANATOMY, hosted by John Wiley & Sons, Inc. (Room 104)
- 8:45-9:45 am Shuttle service from Red Lion Hotel
 (16th and Capitol St. entrance) to Skutt Student
 Center, Creighton Campus
- 9:00 a.m. Registration and Continental Breakfast Fireplace Lounge/Drawing Room Posters/Demonstrations/Commercial Exhibits - West Ballroom/Drawing Room
- 10:00 am Opening Ceremonies/Remarks: AACA President Peter Amadio, M.D. Michael G. Morrison, S.J., President, Creighton University and Thomas Cinque, M.D., Dean, Creighton University School of Medicine Announcements: Art Dalley, Ph.D. AACA President-Elect & Local Host
- 10:30 Presidental Presentation: Reinventing the history of anatomical dissection: the cultural politics and bioethics of anatomy in 19th Century America, Michael Sapppol, Ph.D., Whiting Fellow, Department of American History, Columbia University

Platform Session I: Head and Neck

Moderator: Sandy Marks

- 11:00 <u>Postnatal development of the facial canal,</u> WEIGLEIN, Andreas H., Anatomical Institut, Karl-Franzens-University Graz, Austria, Europe
- 11:15 Morphometry of the cranial base in subjects with class III malocclusion, SINGH, Gurdev D., James A. McNAMARA*, and Scott LOZANOFF. Department of Dental Surgery, University of Dundee, Dundee, Scotland, Department of Orthodontics, University of Michigan, Ann Arbor, Michigan, and Department of Anatomy and Cell Biology, University of Saskatchewan, Saskatoon, Saskatchewan.
- 11:30 Surgical anatomy of the Sylvian cistern and the sphenoid ridge, LIN*, Julian J., Somes, C. GUHA, and Haring J. W. NAUTA*. Division of Neurosurgery and Department of Anatomy, The University of Texas Medical Branch, Galveston, Texas.
- 11:45 The "pre-anterior belly" of the temporalis muscle (m.), SHANKLAND, Wesley E., John A. NEGULESCO and Blaise O'BRIAN*, Department of Cell Biology, Neurobiology and Anatomy, College of Medicine, The Ohio State University, Columbus, Ohio.
- 12:00 Group Photo (Instructions to be announced)
- 12:15 Lunch (Outdoors--weather permitting)

Posters/Demonstrations/Commercial Exhibits West Ballroom/Drawing Room

(All posters will be on display Wednesday, Thursday and Friday.)

<u>Soleus muscle: fiber orientation</u>, AGUR, Anne, and Nancy McKee. Departments of Anatomy and Cell Biology and Surgery, Institute of Medical Sciences, Faculty of Medicine, University of Toronto, Canada.

Wednesday, June 12, 1996

POSTER SESSION (continued)

<u>The fascial spaces of the head and neck - a computer aided tutorial, AKER, F. David.</u> Department of Anatomy and Cell Biology, Temple University School of Medicine, Philadelphia, Pennsylvania.

Morphological variation in cervical spinous processes, DURAY*, Stephen M., Harvey B. MORTER*, and Forrest J. SMITH*, Department of Anatomy, Palmer College of Chiropractic, 1000 Brady Street, Davenport, Iowa (S.M.D. and H.B.M.), and Wayne College, Orrville, Ohio (F.J.S.).

<u>Anatomy of the vertebral vein reviewed</u>, FAUNCE III*, Wesley H. and Wojciech PAWLINA. Departments of Neurosurgery and Anatomy and Cell Biology, University of Florida College of Medicine, Gainesville, Florida.

<u>The anomalous obturator vessels</u>, GILROY, A.M., D.C. HERMEY, L.M. DIBENEDETTO, S.C. MARKS, JR., D.W.PAGE, and Q.F. LEI Department of Cell Biology, University of Massachusetts Medical School, Worcester, Massachusetts; Department of Surgery, Baystate Medical Center, Springfield, Massachusetts; Department of Anatomy West China University of Medical Sciences, Chengdu, Sichuan, People's Republic of China.

An annotated translation of Vesalius' De humani corporis fabrica(1543, 1555), HAST, Malcolm H. and Daniel H. Garrison.* Depts. of Otolaryngology Head and Neck Surgery and Classics, Northwestern University, Chicago and Evanston, Illinois.

<u>Asymmetry of arteries in the circle of Willis</u>, KAMATH, Sylvia, and Chittaranjan ANDRADE* Department of Anatomy, College of Osteopathic Medicine of the Pacific, Pomona, California and National Institute of Mental Health Sciences, Bangalore, India.

Student-centered learning: a non-traditional approach to anatomy instruction of first year medical students, KING, Douglas W., Steven J. LAMPA, David M. CONLEY, and Sean T. ROSSITER*. Basic Medical Sciences (WAMI Program), Washington State University, Pullman Washington.

POSTER SESSION (continued)

<u>A digital laboratory for oral histology</u>, MacPHERSON, Brian R., Borchyi LIN*, Jay FULLER* and Kathryn WONG* Department of Anatomy and Neurobiology and MC FACTS Center, University of Kentucky, Lexington, Kentucky.

A computer-based laboratory practical exam format used in oral histology, MacPHERSON, Brian R., Borchyi LIN*, Jay FULLER* and Kathryn WONG* Department of Anatomy and Neurobiology and MC FACTS Center, University of Kentucky, Lexington, Kentucky.

<u>Efficiency of a stand-alone dissection table ventilation unit</u>, MARTIN, William D., James W. NEMITZ*, Al HENDLEY*, and Daniel CARTER.* Department of Anatomy, West Virginia School of Osteopathic Medicine, Lewisburg, West Virginia and Air Systems, Huntington, West Virginia (AH)

<u>Multifaceted assessment in a musculoskeletal course</u>, McGREW*, Christopher, Paul McGUIRE*, and Stewart MENNIN. Departments of Orthopedics, Family Medicine and Anatomy, University of New Mexico School of Medicine, Albuquerque, New Mexico.

The three-dimensional skull: a computer-based tool to help students learn the anatomy of the skull and cranial cavity, OXBERRY, Brett A. Department of Anatomy and Cell Biology, Temple University School of Medicine, Philadelphia, Pennsylvania. (sponsored by F. David Aker)

<u>Program in Female Clinical Anatomy: Women's health in pre-clinical medical education</u>, PEEK, Kathryn and Ron PHILO. Department of Neurobiology and Anatomy, University of Texas-Houston Medical School, Houston, Texas.

<u>Multi-formatted examination questions in gross anatomy</u>, RAREY, K.E., L. J. ROMRELL, and W. PAWLINA. Department of Anatomy and Cell Biology, University of Florida College of Medicine, Gainesville, Florida.

<u>Utilization of anatomy ground rounds: an assessment over four academic years, RAREY, K.E., L. J. ROMRELL, W. PAWLINA, L. LANIER*, and R. RATHE*.</u> Department of Anatomy and Cell Biology, University of Florida College of Medicine, Gainesville, Florida.

POSTER SESSION (continued)

Evidence for nerve independent development of mammalian taste buds and its clinical significance for chorda tympani nerve regenerations, SARAI*, Paul S., B. FRITZSCH*, I. SILOS-SANTIAGO*, and M. BARBACID*. Creighton University School of Medicine, Omaha, Nebraska (sponsored by Arthur F. Dalley).

<u>The posterior nerves of the cruciate ligaments</u>, SCHÄFFER*, Herbert and Wilhelm FIRBAS, Department of Anatomy, University of Vienna, Austria.

Communication between the cervical ganglion and laryngeal nerve, SHIMADA, Kazuyuki, Iwao SATO*, Ikuo KAGEYAMA, and Tooru SATO*, Department of Anatomy, Showa University, School of Medicine, Department of Anatomy, School of Dentistry at Tokyo, Nippon Dental University Tokyo, Tokyo, Nigatta Japan, Department of Anatomy, School of Dentistry at Nikata, Nippon Dental University, Nigatta Japan.

<u>The anatomy of the thoracic dorsal rami</u>, SONEIRA, Carlos F., Department of Anatomy, Canadian Memorial Chiropractic College, Toronto, Ontario, Canada.

Platform Session II: Muscles and Nerves Moderator:

- 1:15 <u>A study of the insertion of the lateral pterygoid muscle,</u> JERGENSON*, Margaret A. and John M. BARTON* Creighton University School of Dentistry, Omaha, Nebraska (sponsored by A.F. Dalley II).
- 1:30 <u>Electrically-stimulated graciloplasty (neo-sphincter)</u>, CHRISTENSEN*, Mark A., and Alan G. THORSON. Department of Surgery (Colo-Rectal), Creighton University School of Medicine, Omaha, Nebraska.

- 1:45 <u>Selective fatty infiltration of the soleus and medial head of gastrocnemius muscles,</u> AGUR, Anne, Yeni YUCEL*, Nancy Mckee*, David SALONEN*, Peter ASHBY*, and Kenneth PRITZKER*. Departments of Anatomy and Cell Biology, Pathology, Surgery, Radiology and Neurology, Institute of Medical Sciences, Faculty of Medicine, University of Toronto, Toronto, Canada.
- 2:00 The Costoclavicular syndrome as displayed by MRI and MRA: Reformat and 3D graphic display, COLLINS, James Douglas, Marla SHAVER*, Anthony DISHER*, and Theodore MILLER*, Dept. of Radiological Sciences, UCLA School of Medicine, Los Angles.
- 2:15 <u>Epineurium—an anatomical barrier to neuroma formation? an experimental study, MIURA, Yoko*, Sai RAMASASTRY, Marcos AYDENGHY*, Julio HOCHBERG*, Divisions of Plastic Surgery, West Virginia University* and University of Illinois at Chicago, Illinois.</u>
- 2:30 <u>A comparative morphological study of two human facial muscles: the orbicularis oculi and the corrugator supercilii, GOODMURPHY*, Craig W., Elizabeth J. AKESSON, William K. OVALLE*. Department of Anatomy, The University of British Columbia, Vancouver, Canada.</u>
- 2:45 Refreshment Break
 Posters/Demonstrations/Commercial Exhibits
 West Ballroom/Drawing Room
- 3:15 Educational Affairs Symposium
 Moderator: Robert Leonard

A Clinical Anatomy Curriculum for the Medical Student of the 21st Century: Part II.

- 4:45 Adjourn
- 4:30-5:30 Shuttle Service to Red Lion Hotel

Thursday, June 13, 1996

7:20-8:20 am Shuttle Service from Red Lion Hotel
(16th and Capitol St. entrance) to Skutt Student
Center, Creighton Campus

7:30 a.m. Registration and Continental Breakfast Posters/Demonstrations/Commercial Exhibit West Ballroom/Drawing Room

Platform Session II: Abdomen and Pelvis Moderator:

- 8:30 <u>Sublobular veins of the canine liver have sphincters which are not innervated but respond to endothelin-1 and 3, AHARINEJAD, S., F. NOURANI*, C. FRIEDERICI*, P. BOCK*, E.K. LARSON*, W. FIRBAS, and S.C. MARKS JR. Departments of Anatomy I, University of Vienna, Vienna, Austria, and Cell Biology, U. Mass. Medical School, Worcester, Massachusetts.</u>
- 8:45 <u>Surgical anatomy of the gastric</u> wall, KATADA, Natsuya*, Thomas H. QUINN, and Charles J. FILIPI*. Departments of Surgery and Biomedical Sciences, Creighton University School of Medicine, Omaha, Nebraska.
- 9:00 <u>Transurethral ultrasound of the female urethra: evaluation of urinary stress incontinence</u>, POISEL, Sepp, Hannes STRASSER*, Ferdinand FRAUSCHER*, Gernot HELWEG*, Karl COLLESELLI*, and Georg BARTSCH*, University of Innsbruck, Austria.
- 9:15 <u>Video demonstration of regional anatomy for esophageal and lung cancer surgery: Part 1: Lymphatics</u>, SATO, Tatsuo, Hirokazu SAKAMOTO*, Sadaaki HEIMA*, Yoko TSUBOI*, and Keiichi AKITA*. Department of Anatomy, Tokyo Medical and Dental University School of Medicine, Tokyo, Japan.

- 9:30 The hepato-cavo-diaphragmatic ligament (HCDL) recently uncovered, WAPNICK, Simon, Eugene WENK, Kian MUSTAFI*, Eric POSTAL*, and Leslie BLUMGART. Department of Cell Biology & Anatomy, New York Medical College, Valhalla, New York, and Department of Surgery, Sloan Kettering Memorial Hospital, New York, New York.
- 9:45 <u>Technetium-99m sestamibi scintimammography for the staging of breast carcinoma</u>, STUNTZ*, Michael, Iraj KHALKHALI*, John CUTRONE*, and Stanley KLEIN. Harbor-UCLA Medical Center, Department of Surgery and Department of Radiology, Torrance, California.
- 10:00 Refreshment Break
 Posters/Demonstrations/Commercial Exhibits
 West Ballroom/Drawing Room

Platform Session II: (con't)

- Anatomy of frontotemporal region in relevance to minimally invasive aesthetic and reconstructive surgery, MIURA, Yoko*, Sai RAMASASTRY, Marcos AYDENGHY*, and Julio HOCHBERG*, Divisions of Plastic Surgery, West Virginia University* and University of Illinois at Chicago, Illinois.
- The surgical anatomy of the extensor carpi radialis brevis muscle, SHEARON, Charles C., John A. McCARTHY*, and Thomas H. QUINN. Departments of Biomedical Sciences and Surgery, Creighton University School of Medicine, Omaha, Nebraska.
- 11:30 <u>Functional Distal Interphalangeal Joint Splinting for Trigger Fingers in Laborers</u>, MCCARTHY*, John A., Jeffrey A. RODGERS* and Jeffrey J. TIEDEMAN*, Dept. of Orthopaedic Surgery, University of Nebraska Med Center, Omaha, Nebraska, (sponsored by Thomas H. Quinn)
- 11:45 **Lunch** (Outdoors--weather permitting)

Posters/Demonstrations/Commercial Exhibits West Ballroom/Drawing Room Thursday, June 13, 1996

1:00	Annual AACA Business Meeting - (AACA members, including new members)		
2:45	Refreshment Break Posters/Demonstrations/Commercial Exhibits West Ballroom/Drawing Room		
3:15	Special Interest Group Meeting for Directors of Willed-Body Programs (All interested registrants invited to attend) Moderators: Marita Nelson and Dan Graney Meeting of Anatomical Curators/Morticians/Dieners. Room 104		
4:15			
4:00-5:00	Shuttle service to Red Lion Hotel		
	Evening Events		
5:45-6:30 լ	Shuttle Service to Joslyn Art Museum (16th and Capitol St. entrance)		
6:00-8:00	Galleries open, Reception with refreshments (cash bar), Storz Fountain Court		
6:45-7:30	History of Anatomy in Art Peter Abrahams, MB BS FRCS (Ed) FRCR, Clinical Anatomist, University of Cambridge, UK		
8:00-10:00	Annual Banquet, ConAgra Atrium Presentation of Honored Member Award to Robert A. Chase, M.D., Emile Holman Professor of Surgery (Hand) and Professor of Anatomy, Emeritus, Stanford University School of Medicine		
9:30-10:00	Shuttle Service to Red Lion Hotel		

7:20-8:20 am Shuttle Service from Red Lion Hotel
(16th and Capitol St. entrance) to Skutt Student
Center, Creighton Campus

7:30-8:30 Educational Affairs Committee Meeting (for members of Committee) Room 104

8:00-9:00 a.m. Registration and Continental Breakfast Posters/Demonstrations/Commercial Exhibit West Ballroom/Drawing Room

Platform Session III:

Moderator: Dan Graney

- 9:00 <u>Variation in arterial supply to the thoracic spinal cord:</u>

 <u>relevance to aortic injury and reconstructive surgery,</u>

 SULLINGER*, Tim, Thomas R. HOWDIESHELL, and Gene
 L. COLBORN. Departmenta of Surgery and Anatomy,

 Medical College of Georgia, Augusta, Georgia.
- 9:15 <u>Hypoxia changes of rat blood vessels in the cerebral cortex, ZHANG, H.F.,</u> W.Y. ONG, and S.K. LEONG. Department of Anatomy, National University of Singapore. (sponsored by Sandy Marks Jr.)

Platform Session IV: Curriculum, Teaching and Evaluation, Moderator: Stewart Mennin

- 9:30 <u>Practical Issues in Developing and Operating a Fresh Tissue</u>
 <u>Dissection Laboratory, ACLAND</u>, Robert D. Department of
 Surgery, University of Louisville School of Medicine,
 Louisville, Kentucky.
- 9:45 <u>A standardized anatomy laboratory reporting format for anatomic variations and pathology in Problem-Based Learning (PBL)</u>, LEE, Robert E., John A. McNULTY*, Elaine P. LEE*, James R. KENNEDY, and M. F. DAUZVARDIS*. Department of Cell Biology, Neurobiology and Anatomy, Department of Pathology, Department of

Medical Center, and Hines VA Hospital, Maywood, Illinois. Friday, June 14, 1996

- 10:00 <u>An inexpensive Mac-based system for generating three-dimensional reconstructions of gross anatomical structures,</u>
 LOZANOFF, Scott. Department of Anatomy and Cell Biology. University of Saskatchewan, Saskatoon, Saskatchewan.
- 10:15 Surface anatomy integrated with physical diagnosis: a clinical approach for medical students, NEVINS*, Natalie A., and Rafi YOUNOSZAI. College of Osteopathic Medicine of the Pacific, Department of Osteopathic Manipulative Medicine, and Discipline of Anatomy, Pomona, California.
- 10:30 Refreshment Break
 Posters/Demonstrations/Commercial Exhibits
 West Ballroom/Drawing Room

Platform Session IV: (con't)

- 11:00 The Registry of Developmental Anatomy: past and progress, NOE, Adrianne, Elizabeth C. LOCKETT and William F. DISCHER*. National Museum of Health and Medicine, Armed Forces Institute of Pathology, Washington, DC.
- Performance of medical students selected through a special program, YEAGER, Vernon L., Paul A. YOUNG, Manuel R. COMAS*, and Dorothy MILES*. Departments of Anatomy and Neurobiology and Education, St. Louis University, St. Louis, Missouri.
- 11:30 <u>Can cardiac lust be demonstrated in the dissecting laboratory?</u>, PETTERBORG, Larry J., Department of Pathology and Anatomical Sciences, School of Medicine, University of Missouri-Columbia, Columbia, Missouri.
- 11:45 Anatomy into the next millennium- *Quo vadis* or simply where to?, SATYAPAL, Kapil S. and Maciej HENNEBERG, Department of Anatomy, University of Durban-Westville, South Africa, Anthropological and Comparative Anatomy, University of Adelaide, South Australia



ANNOUNCEMENT

AACA - CREIGHTON UNIVERSITY SCHOOL OF MEDICINE JOINTLY SPONSORED POST-GRADUATE COURSE

Departments of Biomedical Sciences and Surgery and Division of Continuing Medical Education

"Surgical Endoscopic Anatomy of the Neck and Trunk*

Boys Town National Research Hospital Auditorium 555 North 30th Street Omaha, Nebraska June 15, 1996

Detailed Announcement enclosed with registration form Separate registration fee

*Creighton University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor continuing Medical Education for Physicians and adheres to all AACME standards regarding industry support for continuing medical education.

The Creighton University School of Medicine designates this CME activity for a total of 7 credits in Category 1 of the Physicians Recognition Award of the American Medical Association

NOTES