

**Association of American Medical Colleges
Annual Meeting
and
Annual Report
1987**

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The Ninety-Eighth Annual Meeting

Washington Hilton Hotel and Towers and Mayflower Hotel, Washington, D. C.,
November 6-12, 1987

Theme: The Supply of Physicians: Toward a National Policy

Program Outlines

AAMC PLENARY SESSIONS

November 8

Presiding: John W. Colloton

Presentation of Abraham Flexner Award
by W. Donald Wetson, M.D.
to Frederick C. Robbins, M.D.

Presentation of AAMC Research Award
by Leon E. Rosenberg, M.D.
to Joseph Lerner, M.D.

Presentation of Special Recognition Award by
Robert G. Petersdorf, M.D., to John R. Hog-
ness, M.D., for his career of distinguished serv-
ice to the medical profession, his advocacy for
health professions education, and his leader-
ship of the Association of Academic Health
Centers.

Medical Education: Is It?
Edward J. Stemmler, M.D.

The Scylla and Charybdis of Medical Educa-
tion
Robert G. Petersdorf, M.D.

November 9

Presiding: Edward J. Stemmler, M.D.

The Rising Physician Supply and the Pursuit
of Better Health
Alvin R. Tarlov, M.D.

Dr. Tarlov presented the Alan Gregg lecture.
Supply and Demand: Lessons from Dental
Medicine?
D. Walter Cohen, D.D.S.

On the Perennial Problem of America's Phy-
sician Shortage
Uwe E. Reinhardt, Ph.D.

Dr. Reinhardt presented the John A. D.
Cooper lecture.

November 10

Presiding: Edward J. Stemmler, M.D.

Congressional Concerns About Physician Sup-
ply
U.S. Senator Edward M. Kennedy

COUNCIL OF ACADEMIC SOCIETIES

November 9

Business Meeting

Presiding: Frank G. Moody, M.D.

COUNCIL OF DEANS

November 8

COD SPECIAL PROGRAM

The State of the Art in Clinical Competency
Evaluation
Stephen Abrahamson, Ph.D.
Jack L. Maatsch, Ph.D.

The Status of the AIDS Epidemic
June Osborn, M.D.

November 9

Business Meeting

Presiding: Louis J. Kettel, M.D.

COUNCIL OF TEACHING HOSPITALS

November 9

Luncheon and Business Meeting
 Presiding: Spencer Foreman, M.D.

General Session

AIDS: IMPORTANT LESSONS FOR TEACHING
 HOSPITALS

Presiding: J. Robert Buchanan, M.D.

Projecting Hospital Use by AIDS Patients
 Michael H. Alderman, M.D.

The Emotional Impact of AIDS on Residents
 R. Nathan Link, M.D.

ORGANIZATION OF STUDENT
REPRESENTATIVES

November 6

Regional Meetings

Business Meeting

New Member Orientation: Getting the Most
 Out of OSR

Sarah Johansen
 Kirk Murphy, M.D.
 Wendy Pechacek

Workshops

Orientation to Career Decision-Making
 Emmett Manley, M.D.
 Norma Wagoner, Ph.D.
 Franklin Williams

Joy of Medicine
 Patch Adams, M.D.

Becoming an Influential Change Agent/Desert
 Survival Workshop

Leader: D. Daniel Hunt, M.D.

Facilitators: Cynthia Carlson
 Vicki Darrow, M.D.
 Jim McQuade, M.D.

Issues in Women Physicians' Professional De-
 velopment

Janet Bickel
 Deborah Geer, M.D.
 Linda Goldstein, M.D.
 Ellen E. Wilson, M.D.

Communicating with Patients
 Noel Chrisman, Ph.D.

November 7

PLENARY SESSION

Looking Ahead: Perceptions of a Physician's
 Role in Society

Moderator: Vicki Darrow, M.D.

Panel: Noel Chrisman, Ph.D.
 Charles E. Odegaard, M.D.
 Victor W. Sidel, M.D.

Health Care for the Indigent
 David Hilfiker, M.D.
 Victor W. Sidel, M.D.

The Current Debate on Education and Training
 of Physicians: Supply, Demand and Op-
 portunity

Kimberly Dunn
 Sarah Johansen
 Deborah M. Prout

Try to Love the Questions Themselves: Clini-
 cal Lessons from Creative Literature
 Lou Borgenicht, M.D.
 Kathryn Hunter, Ph.D.
 Delese Wear, Ph.D.

Transition into Residency and Practice
 Pamelyn Close, M.D.
 David Nash, M.D.

Service
 Daniel W. Morrissey

November 8

Workshops

Self-Directed Learning
 Amy Justice

Changing the Medical School Curriculum
 Deborah Capko
 Thomas Sherman, M.D.

Influencing the Legislative Process
 Mary Vistica, M.D.

Preventive Medicine in the Clinical Specialties

Moderators: Daniel Blumenthal, M.D.
 Michael Pratt, M.D.

Panel: Joseph Barbaccia, M.D.
Robert C. Cefalo, M.D.
Alan Cross, M.D.
Richard Owen, M.D.

Regional Meetings

Business Meeting

AAMC SPECIAL GENERAL SESSION

November 9

Study of the Supply of Physicians: Works in Progress

Daniel C. Tosteson, M.D.
Neal A. Vanselow, M.D.

DEMONSTRATIONS OF AAMC DATA BASES

November 8 and 9

STUDENT AND APPLICANT INFORMATION MANAGEMENT SYSTEM

The AAMC's extensive data on medical school applicants and students form a comprehensive data base called the Student and Applicant Information Management System (SAIMS). The purpose of the system is to facilitate studies of trends in applicant and student characteristics and to assist member institutions with their own institutional studies.

INSTITUTIONAL PROFILE SYSTEM

The AAMC Institutional Profile System is a computer-based data storage, retrieval, and analysis system containing many variables on each U.S. medical school. It is used to provide annual ranking reports placing each school in a national context on a variety of measures of interest, and to serve the needs of the institutions, the Liaison Committee on Medical Education, and the AAMC for comparative institutional data.

Annual Meeting participants were invited to learn about these facilities. Services available to medical schools were described, and questions regarding utilization of the data were answered.

AAMC GOVERNMENT RELATIONS REPRESENTATIVES

November 9

THE CONGRESSIONAL AGENDA FOR HEALTH POLICY

Karen Nelson
Marina Weiss

AAMC WOMEN IN MEDICINE

November 8

PLENARY SESSION

Not Feminized but Humanized: Reflections on the Future of Women in the Profession

Introduction: Kim McKay Ringer
Moderator: Dona Harris, Ph.D.

Keynote Speaker:
Regina Morantz-Sanchez, Ph.D.

Respondent: Marcelle Willock, M.D.

November 9

Discussion Groups

Promoting Academic Medicine as a Career to Minorities and Women

Concerns of the Single Woman in Medicine
Maternity/Parenting Leave Policies

Taking Better Care of Ourselves: Handling Stress and Anger at Work

Dealing with Role Conflicts

Women in Medicine Career Development Program

Moderator: Betsy Bennett, M.D.

Panelists: Nancy Gary, M.D.
Amber Jones
Carol Nadelson, M.D.

Women Liaison Officers Caucus

Presiding: Janet Bickel

Academic Women Chairmen Caucus

Presiding: Lois A. Monteiro, Ph.D.

November 10

Women in Medicine Luncheon

Introduction: D. Kay Clawson, M.D.

Keynote Speaker: U.S. Senator Nancy Landon Kassebaum

GROUP ON BUSINESS AFFAIRS

November 9

Regional Meetings

National Business Meeting

November 10

NATIONAL PROGRAM

Joint Ventures: New Directions for the Academic Medical Center

Kenneth Kaufman

Augustus J. Carroll Memorial Lecture

Problems for Which There Are No Easy Solutions

Jack N. Lein, M.D.

Structuring a Sound Joint Venture—Legal, Tax, and Management Considerations

Richard Freeman, J.D.

GROUP ON FACULTY PRACTICE

November 10

LOOKING AT PHYSICIAN PAYMENT: OPTIONS AHEAD

Moderator: Glenn T. Hammons, M.D.

Categorizing Ambulatory Visits

Robert B. Fetter

Setting Prices Using Resource-Based Relative Value Units

Edmund R. Becker, Ph.D.

Organizational Session

GROUP ON INSTITUTIONAL PLANNING

November 9

Regional Meetings

National Business Meeting

November 10

THE GRAYING OF AMERICA: CHALLENGES FACING ACADEMIC MEDICINE

Moderator: John Eudes

Training for Geriatrics Leadership: The Challenge of Our Time

T. Franklin Williams, M.D.

Bioethical Perspectives on an Aging America: Academic Medicine in the Spotlight

Kevin O'Rourke

Planning for a Research Center on Aging: A Unique Opportunity

David Ramsey, M.D.

GROUP ON PUBLIC AFFAIRS

November 8

ALUMNI/DEVELOPMENT BREAKFAST PROGRAM

Moderator: Marcy Seligman Roberts

The Challenges of Cooperation in a Time of Competition

Edward J. Stemmler, M.D.

GPA GENERAL SESSION

Moderator: Lillian F. Blacker

Introduction: Virginia V. Weldon, M.D.

American Medical Schools: Challenges and Responses

Raymond H. Wittcoff

Introduction: Sally Howard

Medical Education: Room for Improvement

Sidney Wolfe, M.D.

DEVELOPMENT LUNCHEON PROGRAM

Moderator: David W. Canfield

Dealing Successfully with Intra-Institutional Relations

Robert M. Heyssel, M.D.

TABLE TOPICS

Marketing by Direct Mail

Janet Norton

Where to Start With Desk-Top Publishing

Dana Cook-Grossman

Bill Glance

Media Opinion Surveys

Stephen C. Stuyck

Enhancing Public Relations' Role in
Institutional Management

Joe Sigler

Electronic News Releases

Don Clayton

Steve Kraushaar

Speakers Bureaus/Tour Programs

Kay Rodriguez

Accessing the National Media

Elaine Freeman

The Medical School and Its Departments

Jane G. Ferrell

Maintenance of Alumni Records

Kathe Crowley

Small Shop: Alumni and/or Development
Programs from Zero

Susan Craig

Patricia Maxwell

The Medical School and Its Affiliated
Hospitals

Richard Heysek

Strategies for Solicitation of Parents

Kathryn M. Heath

Elizabeth Waters

Class Reunion and Endowment Programs

M.C. Beckham

Janet Waxman

Reunion Programming

Barbara T. Blough

Bunny Leitch

November 9

GPA BREAKFAST PROGRAM

Moderator: Leslie F. Wilson

Beyond Alumni Programs and Annual
Giving Campaigns: The Challenges and
Opportunities of Our Other Constituents

James L. Copeland

GPA AWARDS LUNCHEON

Moderator: D. Gayle McNutt

GPA BUSINESS MEETING

Presiding: Arthur M. Brink

ALUMNI PROGRAMS

Moderator: Nancy Groseclose

Alumni Publications Panel

Sondra Ives

Robert Neal

Ellen Soo Hoo

Moderator: Marcy Seligman Roberts

Programming for Students, Recent
Graduates and House Staff (GME) Alumni

Mary Sue Cheeseman

Michael Cowen

Linda Weisssegger Zuber

DEVELOPMENT PROGRAMS

Moderator: Arthur M. Brink

Extended Family: Developing New Donors

Richard D. Griffin

Henry V. Lione

Untapped Potential: Grateful Patients

Jay Frey

Carol Salguero

Moderator: Carolyn Tinker

Alumni/Development Caucus

David W. Canfield

Jean D. Thompson

PUBLIC RELATIONS PROGRAMS

Moderator: D. Gayle McNutt

The State of Knowledge of AIDS: What
Next?

James Curran, M.D.

New Technology in Communications:

The Future

Laurence Moskowitz

POSTER DISPLAY

Coordinator: Elaine Freeman

November 10

PUBLIC RELATIONS PROGRAMS

Moderator: Gregory Graze

Marketing Research: How To Do It

Bettina Kurowski

Interpreting and Using Market Research
Results

Bob Reisner

Marketing Strategies

Frank Weaver

Implementing the Marketing Plan

J. Antony Lloyd

Linda MacCracken

GPA Steering Committee Luncheon**GROUP ON STUDENT AFFAIRS****November 9****Admissions****Sharpening the Admissions Process: Various Approaches**

Moderator/Presenter: Robert I. Keimowitz, M.D.

Presenters: Frances R. Hall
Karen J. Mitchell, Ph.D.
Larry Sachs, Ph.D.**Financial Assistance****MEDLOANS: A Blueprint for Action**

Moderator: Robert L. Beran, Ph.D.

Panel: Robert Colonna
Henry Howard
Kevin Moehn**Student Affairs**NRMP '88: Preparing for the Future
John S. Graettinger, M.D.**GSA PLENARY SESSION**Institutional Survival Versus Social Responsibility: Finances as a Driving Force
Edward N. Brandt, Jr., M.D.**November 10****GME/GSA PLENARY SESSION**

Results of the Field Test of Computer Based Testing—Plans for Future Development and Implementation

Moderator: Gerald H. Escovitz, M.D.

Keynote Speaker: Robert L. Volle, Ph.D.

Reactors: Clayton Ballantine
Fredric D. Burg, M.D.
Henry M. Seidel, M.D.**Business Meeting****Financial Assistance**

Student Financial Assistance: Status of Federal Programs

Moderator: Ruth Beer Bletzinger

Speakers: Robert L. Beran, Ph.D.
Michael Heningburg
William L. Moran**Student Affairs**

Deans' Letters: Handling Negative Information

Moderators: Jon J. O'Brien, D.O.
Martin A. Pops, M.D.**November 11****Admissions**

Declining Applicant Pool: Where Do We Go From Here?

August G. Swanson, M.D.

Admissions/Financial Assistance

"Prometheus Bound"

Panel: Teddie Milner
J. Robert Suriano, Ph.D.
Charles Terrell**Student Affairs**

The Theory and Practice of Medical Student Career Advising

Speakers: Kim Dunn
Grant D. Miller, M.D.
Linda Z. Nieman, Ph.D.**Student Affairs**

What My Institution Didn't Tell Me and I Didn't Know To Ask: PGY1

Moderators: Carol A. Aschenbrenner, M.D.
Mary Jo Miller**Financial Assistance**

Institutional Survival Versus Social Responsibility: Finances as a Driving Force—A Follow Up

Moderator: Frances R. Hall
Discussants: Robert L. Friedlander, M.D.
Richard D. Mumma, Jr., D.D.S.

Financial Assistance

Bartering, Bargaining, and Cajoling: The "Entitled" Student

Ruth Beer Bletzinger

Steven L. Dubovsky, M.D.

Pearl P. Rosenberg, Ph.D.

Admissions

MCAT Format and Content Review

Karen J. Mitchell, Ph.D.

Richard L. O'Brien, M.D.

Student Affairs

Review of November 1 Dean's Letter Release Date

Robert L. Beran, Ph.D.

Admissions/Minority Affairs Section

Success Factors in Minority Student Matriculation

Moderator: Leonard E. Lawrence, M.D.

Panel: Margie Beltran

Daniel A. Burr, Ph.D.

Cynthia G. Tudor, Ph.D.

Maggie S. Wright, Ph.D.

Student Affairs

Educational Law: Legal Issues Involving Students Facing Dismissal

Moderator: Jon J. O'Brien, J.D., D.O.

Presenter: Steven Milam

GSA-MINORITY AFFAIRS SECTION

November 8

Minority Student Medical Career Awareness Workshop

Critical Financial Issues in Minority Medical Education and Private Practice

Moderator: Anthony Clemendor, M.D.

Panel: Valentine Burroughs, M.D.

Arthur Davidson, M.D., J.D.

Charles Terrell

November 9

Regional Meetings

Business Meeting

GME/MAS Special Session

Doctor/Patient Relationship as a Curriculum Issue

Moderator: Jane Thomas, Ph.D.

Panel: Philip Bashook, Ed.D.

Raquel Bauman, Ed.D.

John Yergan, M.D.

November 10

Minority Affairs Program

Minorities in Medical Education: Time for Reaffirmation

U.S. Representative William H. Gray, III

November 11

Research Forum

Moderators: Margie Beltran

Scharron Laisure, Ph.D.

Racial Minority Performance on the Medical College Admission Test Essay

Pamela J. Brown

Karen Mitchell, Ph.D.

Relationship of Students' Perceptions on Academic Performance

Henry T. Frierson, Jr., Ph.D.

Change in the Minority Student Applicant Pool, 1981-1986

Wendy L. Luke

Prediction and Prevention of National Board Part 1 Failures

John Yergan, M.D.

Ethics, Race and Culture: the 90s

Moderator: Bruce Ballard, M.D.

Presenter: Alvin F. Poussaint, M.D.

Panel: Alonzo C. Atencio, Ph.D.

Christopher Edwards

Kimberly Parker

Hibbard E. Williams, M.D.

GSA/MAS Methods in Medical Education Research

Moderator: Fernando Mendoza, M.D.

Panel: Paul Jolly, Ph.D.

Stephen N. Keith, M.D.

William E. Sedlacek, Ph.D.

**JOURNAL OF MEDICAL
EDUCATION****November 9****NEW DIRECTIONS FOR THE JOURNAL OF
MEDICAL EDUCATION**

Discussion Leaders:

L. Thompson Bowles, M.D.

Robert G. Petersdorf, M.D.

**GROUP ON MEDICAL
EDUCATION****November 9****GME MINI-WORKSHOPS****THE PROCESS APPROACH: AN ALTERNATIVE TO
CONTENT TUTORING**

Organizer: Norma E. Wagoner, Ph.D.

Faculty: Dorothy H. Air, Ph.D.

Carol Banks Setter, Ph.D.

**INTERN PROGRESS NOTE: A RESPONSE TO THE
STRESS OF INTERNSHIP**

Organizer: Rita Charon, M.D.

Faculty: Phil Muskin, M.D.

**STRATEGIC PLANNING IN ACADEMIC MEDICINE:
LEADING SUCCESSFULLY IN THE NEW ERA OF
MEDICINE**

Organizer: Leslie S. Jewett, Ed.D.

Faculty: Christine M. Swearington

CONFIDENCE TESTING IN MEDICAL EDUCATION

Organizer: Robert S. Blacklow, M.D.

Faculty: Mohammadreza Hojat, Ph.D.

Robert Rippey, Ph.D.

John Thornborough, Ph.D.

Carter Zeleznik, Ph.D.

**THE ROLE OF FACULTY IN CAREER
COUNSELING OF MEDICAL STUDENTS AND
PLANNING THE FOURTH YEAR OF SCHOOL**

Organizer: Larrie W. Greenberg, M.D.

Faculty: Jean Cook, M.D.

Jon O'Brien, D.O.

**HOW WELL DO FACULTY MEMBERS ASSESS
CLINICAL COMPETENCE AND CAN THEY BE
TAUGHT TO DO IT BETTER?**

Organizer: Gordon L. Noel, M.D.

Faculty: Jerome Herbers, M.D.

HOW TO WRITE AND USE A CASE STUDY

Organizer: Mimi Wetzels, Ph.D.

Faculty: Janet Hafler

Philip L. Liu, M.D.

**GME/SMCDCME Co-Sponsored Plenary
Session****AN OVERVIEW OF THE FINDINGS OF THE STUDY
OF CHANGE IN THE LIVES OF PHYSICIANS**

Moderator: Gerald H. Escovitz, M.D.

Panel: Robert D. Fox, Ph.D.

Paul E. Mazmanian, Ph.D.

Wayne Putnam, M.D.

Respondent: S. Scott Obenshain, M.D.

November 10**GME/GSA PLENARY SESSION****RESULTS OF THE FIELD TEST OF COMPUTER-
BASED TESTING—PLANS FOR FUTURE
DEVELOPMENT AND IMPLEMENTATION**

Moderator: Gerald H. Escovitz, M.D.

Keynote Speaker: Robert L. Volle, Ph.D.

Reactors: Clayton Ballantine

Fredric Burg, M.D.

Henry M. Seidel, M.D.

Regional Meetings**GME National Meeting****INNOVATIONS IN MEDICAL EDUCATION
DISCUSSION GROUPS:****INSTRUCTIONAL DESIGN OR EVALUATION OF
BASIC SCIENCE COURSES**

Resource: Deborah Simpson, Ph.D.

**INSTRUCTIONAL DESIGN OR EVALUATION OF
INTRODUCTION TO CLINICAL MEDICINE
COURSES**

Resource: Jon Levine, M.D.

**INSTRUCTIONAL DESIGN OR EVALUATION OF
CLINICAL CLERKSHIPS**

Resource: Stephen H. Sheldon

CURRICULUM DATA BASE MANAGEMENT

Resource: Ed M. Sellers, M.D.

EDUCATIONAL SOFTWARE

Resource: Clyde Tucker, M.D.

Interdisciplinary Health Education

Resource: Marjorie Sirridge, M.D.

EDUCATIONAL SUPPORT SYSTEMS FOR STUDENTS

Resource: Michael O'Donnell, Ph.D.

APPROACHES TO PROBLEM BASED LEARNING

Resource: Phyllis Blumberg, Ph.D.

APPROACHES TO THE DEVELOPMENT AND ASSESSMENT OF DESIRABLE PERSONAL QUALITIES, VALUES AND ATTITUDES

Resource: John Markus

INSTRUCTIONAL DESIGN OR EVALUATION OF RESIDENCY PROGRAMS

Resource: James Shumway, Ph.D.

APPROACHES TO CLINICAL EDUCATION IN THE AMBULATORY CARE SETTING

Resource: Thomas O. Stair, M.D.

November 11

GME SMALL GROUP DISCUSSIONS:

THE DEVELOPMENT AND USE OF MINIMUM COMPETENCY GUIDELINES TO ASSESS CLINICAL COMPETENCY DURING REQUIRED THIRD YEAR CLERKSHIPS

Moderator: Gail Morrison, Ph.D.

Panel: Susan Day, M.D.

HELPING STUDENTS PREPARE FOR NATIONAL BOARDS: SHOULD IT BE DONE AND CAN WE DO IT?

Moderator: Michael J. O'Donnell, Ph.D.

Panel: Richard M. Hyde, Ph.D.

Grant Miller, M.D.

Joe S. Reyes, Jr.

COMPUTER-AIDED LEARNING: PRESENT STATUS AND PROPOSED METHODS TO ENCOURAGE FUTURE GROWTH

Moderator: Abdulla M. Abdulla, M.D.

Panel: Charles Friedman, Ph.D.

William Harless, Ph.D.

PROMOTING CURRICULUM CHANGE IN TRADITIONAL SCHOOLS

Moderator: Terrence T. Kuske, M.D.

Panel: Glenn A. Fleming, Ed.D.

Roy K. Jarecky, Ed.D.

LEARNING STYLES AND LEARNING

PREFERENCES IN MEDICAL EDUCATION

Moderator: Agnes G. Rezler, Ph.D.

Panel: Louise Arnold, Ph.D.

Larrie Greenberg, M.D.

EVALUATING CURRICULAR INNOVATIONS: WHY BOTHER?

Moderator: W. Dale Dauphinee, M.D.

Panel: Janine C. Edwards, Ph.D.

Paula Stillman, M.D.

Christel A. Woodward, Ph.D.

HONORS ENRICHMENT PROGRAM

Moderator: Gregory L. Trzebiatowski, Ph.D.

Panel: Gerald M. Cerchio, M.D.

DEVELOPING CLINICAL REASONING SKILLS IN THE PRECLINICAL YEARS

Moderator: Peter G. Price, M.D.

Panel: Peter Harasym, Ph.D.

Stewart Mennin, Ph.D.

CURRENT RESEARCH REGARDING SHIFTS IN CAREER CHOICE AND EVENTUAL SELECTION

Moderator: Linda Z. Nieman, Ph.D.

Panel: Gloria Bazzoli, Ph.D.

Robert Geertsma, Ph.D.

George H. Zimny, Ph.D.

BEHAVIORAL STANDARDS FOR MEDICAL STUDENTS

Moderator: Nancy Solomon, M.D.

Panel: Carol Aschenbrener, M.D.

INDEPENDENT STUDY EDUCATION

Moderator: Robert G. Brigham, Ph.D.

Panel: Richard Nuenke, Ph.D.

Howard Stone, Ph.D.

HOW TO EVALUATE AND MEASURE THE NON-COGNITIVE ASPECTS OF CLINICAL COMPETENCE IN MEDICAL STUDENTS AND RESIDENTS

Moderator: Daniel Frank, M.D.

Panel: Ian Hart, M.D.

Robert Keimowitz, M.D.

Grant Miller, M.D.

James Woolliscroft, M.D.

ENHANCING THE TEACHING EFFECTIVENESS OF STUDENTS AND RESIDENTS

Moderator: Murray Kappelman, M.D.

Panel: Marguerite Moran, M.D.

Jack Mason, Ph.D.

VISITING STUDENTS FROM NON-LCME MEDICAL SCHOOLS

Moderator: Lynn Seng

Panel: Jean Burns

Mary E. Foy

Dorothy Rackemann

THE CHALLENGING LEARNER

Moderator: Tracy Veach, Ph.D.

Panel: Ron Franks, M.D.

Clyde Tucker, M.D.

TEACHING BY ATTENDING PHYSICIANS

Moderator: Donn Weinholtz, Ph.D.

Panel: Debra A. DaRosa, Ph.D.

Larrie W. Greenberg, M.D.

William D. Mattern, M.D.

Kelly M. Skeff, M.D.

SCORING CLINICAL SIMULATIONS: IN SEARCH OF A GOLD STANDARD

Moderator: Fredric M. Wolf, Ph.D.

Panel: Geoffrey R. Norman, Ph.D.

Nancy S. Palchik, Ph.D.

David B. Swanson, Ph.D.

COMPUTER BASED EVALUATION SYSTEMS OF CLINICAL SKILLS

Moderator: William Schwartz, M.D.

Panel: William Staples, M.D.

November 11**RIME CONFERENCE****PAPER SESSIONS****HEALTH PROMOTION AND DISEASE PREVENTION**

Moderator: Victor Neufeld, M.D.

Discussant: Alan Cross, M.D.

Teaching Behavioral Counseling Skills: Effectiveness of Patient Instructors Compared to Lecture Format

Jeffrey C. Levenkron, Ph.D., et al.

A Controlled Trial of Strategies to Improve Delivery of Preventive Care

Barbara Turner, M.D.

The Impact of a Continuing Education Package for Smoking Cessation on Physicians' Clinical Behavior and Patient Smoking

Elizabeth Lindsay-McIntyre, Ph.D., et al.

ISSUES IN PRACTICE AND LEARNING

Moderator: Elizabeth Alger, M.D.

Discussant: Wayne Putnam, M.D.

Comparisons of Male and Female Physicians on Their Practice Patterns, Professional Activities, and Perception of Professional Problems
Mohammadreza Hojat, Ph.D., et al.Evaluation of Two Interventions To Improve Physician Diagnostic Accuracy in Recognizing Glaucomatous Changes of the Optic Disk
Karen L. Margolis, M.D., et al.Learning Preferences in Academic Medicine, Practice and Research Career Paths
Leslie S. Jewett, Ed.D., et al.**PREDICTION STUDIES**

Moderator: Deborah Simpson, Ph.D.

Discussant: Charles P. Friedman, Ph.D.

A Study of Errors Attributable to Use of NBME Part I Scores for Residency Selection Process

Reed G. Williams, Ph.D., et al.

The Old and New MCAT as Predictors of Student Clinical Performance

Mark A. Albanese, Ph.D., et al.

The Validity of Part III of the National Board Examination

Jon J. Veloski, Ph.D., et al.

COGNITION

Moderator: Fredric Wolf, Ph.D.

Discussant: Arthur Elstein, Ph.D.

Metacognitive Factors Affecting Performance on MCAT Skills Analysis: Reading Practice Passages

Evelyn Jackson, Ph.D., et al.

Expert-Novice Differences in Recall of Clinical Data: Resolution of a Paradox

Geoffrey Norman, Ph.D., et al.

Measurement Characteristics of Cognitive Probes

Geoffrey Norman, Ph.D.

RESIDENCY EVALUATION

Moderator: Frank Calia, M.D.

Discussant: John Littlefield, Ph.D.

Performance of Caribbean Medical School Graduates on the American Board of Internal Medicine Certifying Examinations, 1984-1986

John J. Norcini, Ph.D., et al.

Evaluation of a Teaching Skills Improvement Program for Residents

Janine C. Edwards, Ph.D., et al.

Clinical Performance Examinations for Residents in Two Specialties: Feasibility Study

John S. Lloyd, Ph.D., et al.

CME AND QUALITY CARE

Moderator: Harold Paul, M.D.

Discussant: Phil Bashook, Ph.D.

The Use of Clinical Recall Interviews as a Method of Determining Needs in Continuing Medical Education

John Parboosingh, M.D., et al.

Contribution of Education to Effective Care of Health Maintenance Needs, Low Back Pain, Abdominal Pain, and Systemic Hypertension

Jack L. Mulligan, M.D., et al.

Physicians' Management of Hypertension: A Randomized Controlled CME Trial

David S. Gullion, M.D., et al.

November 11

RIME CONFERENCE—SYMPOSIA

WHAT WORKS: TOWARD A META-EVALUATION OF INNOVATIVE PROGRAMS

Organizer/Moderator: Christine McGuire

Panel: Tamas Fulop, M.D.

Arthur Kaufman, M.D.

Ronald W. Richards, Ph.D.

EDUCATION ORGANIZATIONS IN MEDICAL SPECIALTIES: AN IDEA WHOSE TIME HAS COME?

Organizer: Philip L. Liu, M.D.

Moderator: William D. Deal, M.D.

Panel: Richard M. Bell, M.D.

Philip L. Liu, M.D.

Eleanor Wallace, M.D.

CURRENT MODELS OF CLINICAL REASONING: IMPLICATIONS FOR MEDICAL TEACHING

Organizers: Geoffrey R. Norman, Ph.D.

Vimla L. Patel, Ph.D.

Moderator: Eta S. Berner, Ed.D.

Panel: Caryn Christensen, Ph.D.

Arthur S. Elstein, Ph.D.

Geoffrey R. Norman, Ph.D.

Vimla L. Patel, Ph.D.

STUDIES OF PHYSICIAN GRADUATES FOR THE EVALUATIONS OF MEDICAL EDUCATION PROGRAMS

Organizer: Betty Hosmer Mawardi, Ph.D.

Moderator: David B. Reuben, M.D.

Panel: Louise Arnold, Ph.D.

Donald R. Brown, Ph.D.

Christel A. Woodward, Ph.D.

IMPROVING CLINICAL PERFORMANCE ASSESSMENT: A MULTI-INSTITUTIONAL TRIAL OF THE OSCE

Organizer/Moderator: Emil R. Petrusa, Ph.D.

Panel: Thomas Blackwell, M.D.

Jan Carline, Ph.D.

Romulo Colindres, M.D.

Terrill A. Mast, Ph.D.

William McGaghie, Ph.D.

Emil R. Petrusa, Ph.D.

Paul Ramsey, M.D.

Norman G. Soler, M.D.

Respondent: Paula L. Stillman, M.D.

SUBSTANCE USE AND ABUSE AMONG MEDICAL STUDENTS

Organizer/Moderator: DeWitt C. Baldwin, Jr., M.D.

Panel: Karl Achenbach, Ph.D.

Edward J. Eckenfels

Beverly D. Rowley, Ph.D.

November 11

RIME FIFTH ANNUAL INVITED REVIEW

CLINICAL DECISION MAKING: THEORY AND SCIENCE

Speaker: Stephen Pauker, M.D.

Respondent:

Charles P. Friedman, Ph.D.

Moderator: Murray M. Kappelman, M.D.**RIME ROUNDTABLE DISCUSSIONS****Research on Medical Ethics**

Hosted by: Linda Blank

Population-Based Health Issues and Curriculum

Hosted by: Victor Neufeld, M.D.

International Experiences in Medical Education Innovation

Hosted by: Richard Martenson, Ph.D.

Gaining Faculty Involvement in Problem-Based Curricula

Hosted by: Stewart Mennin, Ph.D.

Education in the Ambulatory Care Setting

Hosted by: Terrill A. Mast, Ph.D.

Changing Priorities in Research in Medical Education

Hosted by: Christine McGuire

Implications of the Changing Applicant Pool

Hosted by: Robert Suriano, Ph.D.

November 12**RIME ROUNDTABLE DISCUSSIONS****Research on Medical Ethics**

Hosted by: Janet Bickel

Population-Based Health Issues and Curriculum

Hosted by: Elizabeth Alger, M.D.

International Experiences in Medical Education Innovation

Hosted by: Grahame Feletti, Ph.D.

Gaining Faculty Involvement in Problem-Based Curricula

Hosted by: LuAnn Wilkerson, Ed.D.

Educational Evaluation in the Ambulatory Care Setting

Hosted by: James Woolliscroft, M.D.

Changing Priorities in Research in Medical Education

Hosted by: Wayne K. Davis, Ph.D.

Implications of the Changing Applicant Pool

Hosted by: Cynthia Tudor, Ph.D.

November 12**RIME CONFERENCE—PAPER SESSIONS****TEST SCORING AND ANALYSIS**

Moderator: Jack Maatsch, Ph.D.

Discussant: David B. Swanson, Ph.D.

Measurement of Certainty in Medical School Examination: A Pilot Study of Non-Cognitive Dimensions of Test-Taking Behavior
Carter Zeleznik, Ph.D., et al.

Scoring of a Computerized Patient Simulation: A Validation Study
Vincent A. Fulginiti, M.D., et al.

INSTRUCTION IN AMBULATORY SETTINGS

Moderator: Richard Gallagher, Ph.D.

Discussant: William Mattern, M.D.

A Survey of Undergraduate Internal Medicine Education in Ambulatory Settings
Joan Feltovich, et al.

Ambulatory Education for Third Year Students in the Department of Internal Medicine
Michael Ainsworth, M.D., et al.

CAREER CHOICES

Moderator: Roy Jarecky, Ed.D.

Discussant: Louise Arnold, Ph.D.

A Tale of Two Cities—A Cohort of Students in Two Contrasting Medical Schools and the Development of Their Attitudes Toward Family Medicine and Their Interest in a Career in the Specialty
Richard Wakeford

The Effects of a Selective Medical School Admissions Policy on Increasing the Number of Family Physicians in Rural and Physician Shortage Areas
Howard K. Rabinowitz, M.D.

STUDENT RATINGS OF RESIDENTS AND ATTENDING

Moderator: Craig Scott, Ph.D.

Discussant: Mark Albanese, Ph.D.

One Dimension or Many? The Construct Validity of Student Ratings of Instruction
Mary Pat Mann

Differential Evaluations of House Officers, Senior Residents, Preceptors, and Attendings by Junior Medical Students
Michael Donnelly, Ph.D., et al.

ISSUES IN CURRICULUM PROCESS

Moderator: Paul Grover, Ph.D.

Discussant: Fred Burg, M.D.

Student Ratings of Clerkship Activities as a Basis for Curriculum Modification: A Four Year Comparison of Six Departments
Joseph F. Rodgers, M.D., et al.

Question of Philosophy, Organization and Function of Medical School Curriculum Committees

William D. Hendricson, et al.

INFORMATION TRANSFER AND COMPUTER TECHNOLOGY IN MEDICAL EDUCATION

Moderator: George Nowacek, Ph.D.

Stalking the Wild Asparagurus: Learning Neuroanatomy Using An Interactive Video-disc System

John Nolte, Ph.D., et al.

Teaching Fundamental Electrocardiography to Medical Students: Computer-Assisted Learning Compared with Weekly Seminars
Ruth-Marie E. Fincher, M.D., et al.

Information Seeking Strategies and Treatment Decision Making

Larry Gruppen, Ph.D., et al.

Practicing Physician Access to Biomedical Knowledge: A National Study
Kathleen L. Egan, Ph.D.

STUDENT PERFORMANCE

Moderator: Larry Goodman, M.D.

Discussant: Abdul Sajid, Ph.D.

What Do Second Year Students Ask in the Sexual History? Observations from an Objective Structured Clinical Examination
Margretta Diemer, M.D., et al.

Standards for Medical Student Interviewing Using ISIE-81 Interaction Analysis
Bryce Templeton, M.D., et al.

A Biopsychosocial Model to Explain Personal Sources of Medical Student Distress

Peter P. Vitaliano, Ph.D., et al.

RIME CONFERENCE SYMPOSIA

IMPACT OF THE HIV EPIDEMIC ON MEDICAL EDUCATION: TEACHING DOCTORS ABOUT AIDS

Organizer/Moderator: Barbara Gerbert, Ph.D.

Panel: David Altman, M.D.

Robert Beran, Ph.D.

Harvey Makadon, M.D.

LEADERSHIP DEVELOPMENT FOR ACADEMIC MEDICAL CENTERS

Moderator: Ronald W. Richards, Ph.D.

Organizers: Thomas Loesch

Ronald W. Richards, Ph.D.

Marijo Wunderlich

Panel: Peter Vaill

W. Donald Weston, M.D.

Marjorie P. Wilson, M.D.

PATIENT EDUCATION: CLINICAL APPLICATIONS IN MEDICINE

Organizer/Moderator: Larrie W. Greenberg, M.D.

Panel: Edward Bartlett, Dr.P.H.

Neal D. Kaufman, M.D.

Pat Mullen, Dr.P.H.

November 12

GME MINI-WORKSHOPS

SELECTING AND INTERVIEWING RESIDENCY APPLICANTS

Organizer: Richard K. Spence, M.D.

Faculty: Ronald Cody, Ed.D.

David Cole, Ed.D.

William G. DeLong, M.D.

James M. Hassett, M.D.

Richard K. Spence, M.D.

DEVELOPING CASE MATERIALS TO ASSESS AND TEACH CLINICAL JUDGMENT IN MEDICINE

Organizer: John D. Engel, Ph.D.

Faculty: John D. Chovan,

Anthony LaDuca, Ph.D.

HELPING STUDENTS IN ACADEMIC DIFFICULTY

Organizer: Lester M. Geller, Ph.D.

Faculty: Karen Collins-Eiland, Ph.D.
Lester M. Geller, Ph.D.

THE SUCCESSFUL ACADEMICIAN: THE ESSENTIAL SKILLS AND HOW TO ACQUIRE THEM

Organizer: Carole J. Bland, Ph.D.

Faculty: John J. Aluise, Ph.D.
Carole J. Bland, Ph.D.
Rebecca C. Henry, Ph.D.
Constance C. Schmitz
Frank T. Sritter, Ph.D.

EVALUATING AND REWARDING EXCELLENCE IN TEACHING IN MEDICAL EDUCATION PROGRAMS

Organizer/Faculty: Howard L. Stone, Ph.D.

COMPUTERS IN CLINICAL TEACHING: A HANDS-ON EXPERIENCE WITH SOFTWARE PROGRAMS AND DEVELOPMENT OF STRATEGIES FOR IMPLEMENTATION

Organizer: Dennis Baker, Ph.D.

Faculty: Dennis Baker, Ph.D.
Bobbi Conliffe
Glenn Iben, M.D.
John Monk, Ph.D.

HOW TO DEVELOP A FOURTH YEAR PERFORMANCE ASSESSMENT

Organizers: Paula L. Stillman, M.D.
David B. Swanson, Ph.D.

Faculty: Joel Feinblatt, Ph.D.
John McCahan, M.D.
Steve Smith, M.D.
Janice Willms, M.D.

MEDICAL STUDENTS' APPROACHES TO LEARNING

Organizer: Grahame Feletti, Ph.D.

Faculty: Grahame Feletti, Ph.D.
Dick Martenson

November 12

GME SMALL GROUP DISCUSSIONS

PREPARING FACULTY TO GIVE EFFECTIVE FEEDBACK

Moderator: LuAnn Wilkerson, Ed.D.

Panel: Elizabeth Armstrong, Ph.D.
Larrie Greenberg, M.D.
Franklin Medio, Ph.D.

DOCUMENTATION OF TEACHING FOR PROMOTION AND TENURE

Moderator: Fredric D. Burg, M.D.

Panel: Michael Cancro, M.D.
Giuseppe G. Pietra, M.D.

DRUG ABUSE AMONG MEDICAL STUDENTS: SHOULD WE TEST?

Moderator: Kenneth Tardiff, M.D.

Panel: Linda D. Lewis, M.D.
Barry Stimmel, M.D.

USING TECHNIQUES OF PROBLEM-BASED LEARNING IN TRADITIONAL CURRICULA

Moderator: John Nolte, Ph.D.

Panel: Stewart Mennin, Ph.D.
Clyde Tucker, M.D.

STUDENT NOTETAKING AND ACADEMIC PERFORMANCE

Moderator: Lloyd A. Lewis, Ph.D.

Panel: Barbara M. Jarecky
Lloyd A. Lewis, Ph.D.
Eric Silverman

COMPUTERIZED CLINICAL SIMULATIONS IN THE NBME PART III EXAMINATION

Moderator: Donald E. Melnick, M.D.

Panel: Stephen G. Clyman, M.D.
Ellen R. Julian, Ph.D.
Thomas E. Piemme, M.D.

INSTRUCTION AND ASSESSMENT OF INTERVIEWING AND COMMUNICATION SKILLS THROUGHOUT MEDICAL TRAINING

Moderator: Carol S. Hasbrouck

Panel: J. Gregory Carroll, Ph.D.
Carol S. Hasbrouck
Mack Lipkin, Jr., M.D.
Dennis H. Novak, M.D.

A FOUR-YEAR GERIATRICS CURRICULUM: A MINORITY REPORT FROM THE TECHNOCRATS

Moderator: Joel Posner, M.D.

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Panel: Ira Katz, M.D.
Nancy Spaw

PATIENT-CENTERED MEDICAL EDUCATION USING INTERACTIVE VIDEODISC TECHNOLOGY: A REPORT OF A FIELD TEST

Moderator: William G. Harless, Ph.D.

Panel: William Ayers, M.D.
Jerome R. Berman, M.D.
Robert C. Duncan, Ph.D.
Henry S. Pohl, M.D.

INNOVATIONS IN MEDICAL EDUCATION EXHIBITS

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INSTRUCTIONAL DESIGN OR EVALUATION OF INTRODUCTION TO CLINICAL MEDICINE COURSES

A PERFORMANCE-BASED PROGRAM TO TEACH PATIENT CARE SKILLS
Paul J. Rutala, M.D., et al.

HUMAN SEXUALITY: A COMPONENT OF INTRODUCTION TO CLINICAL MEDICINE
S. S. Matthes, et al.

ICM: THREE INNOVATIVE WORKSHOPS IN PREVENTIVE MEDICINE
Susan L. Rattner, M.D., et al.

THE TRAINING AND USE OF NONMEDICAL PERSONNEL TO EVALUATE THE CLINICAL SKILLS OF FIRST- AND SECOND-YEAR MEDICAL STUDENTS
John Tripp, M.D., et al.

STUDENT PANELS: AN EXPERIENTIAL APPROACH TO TEACHING ETHICS IN THE FIRST YEAR CURRICULUM
J. P. Pennell, et al.

AN EXPERIENTIAL APPROACH TO LEARNING THE PSYCHOSOCIAL DIMENSIONS OF ADDICTION
A. Flipse-Gerber, et al.

AN HMO-BASED TWO-YEAR INTRODUCTION TO CLINICAL MEDICINE COURSE INTEGRATING THE BASIC SCIENCES, SOCIAL, BEHAVIORAL AND QUANTITATIVE SKILLS
G. T. Moore, M.D.

X-RAY MAGIC, TRICKS FOR TEACHING BASIC PRINCIPLES
E. Pantoja, et al.

LECTURES ON CLINICAL DENTISTRY TO SOPHOMORE MEDICAL STUDENTS
M. Lorber, D.M.D., et al.

CREATING TEACHING TAPES FOR INTERVIEWING
John F. McCahan, et al.

QUALITY CONTROL IN A MULTI-SITE ICM COURSE
Mark S. Kushner, M.D., et al.

FIRST-YEAR MEDICAL STUDENT PROJECTS: YEAR II
John E. Fryer, M.D.

INSTRUCTIONAL DESIGN OR EVALUATION OF BASIC SCIENCE COURSES

ANALYZING CURRICULUM VIA MICROCOMPUTER
D. E. Simpson, et al.

PROCESS OF CURRICULUM DEVELOPMENT IN THE BASIC SCIENCES
A. L. Barbato, M.D., et al.

SYSTEMATIC CURRICULUM REVIEW
L. J. Weiner, M.D., et al.

INSTRUCTIONAL DESIGN OR EVALUATION OF CLINICAL CLERKSHIPS

A PROBLEM-BASED CURRICULUM FOR PEDIATRIC UNDERGRADUATE EDUCATION
Stephen H. Sheldon, D.O.

DEVELOPING LEARNING GOALS FOR UNDERGRADUATE ANESTHESIA EDUCATION
Frederick Campbell, M.D., et al.

TOPICS IN ADVANCED MEDICAL VIROLOGY: THE DEVELOPMENT OF A NEW PERSPECTIVE FOR SENIOR MEDICAL STUDENTS
Roger W. Koment, Ph.D.

QUANTITATIVE STUDIES OF REQUIRED JUNIOR CLERKSHIPS AT ORAL ROBERTS UNIVERSITY SCHOOL OF MEDICINE
C. L. Bottoms, et al.

THE CLINICAL EDUCATION OF MEDICINE I CLERKS
P. Hering, M.D., et al.

A MODEL FOR SELF-DIRECTED LEARNING
C. McPherson, Ed.D., et al.

ASSOCIATION FOR SURGICAL EDUCATION
M. A. Prater, et al.

INTERDISCIPLINARY HEALTH EDUCATION

THE EMORY STD TEACHING SECTION: A MULTIDISCIPLINARY CURRICULUM IN SEXUALLY TRANSMITTED DISEASES
M. McKay, M.D., et al.

THE BASIS FOR A MULTIDISCIPLINARY COURSE IN PATIENT-ORIENTED PROBLEM SOLVING
W. D. Cogan, et al.

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Regina Braham, et al.

FACULTY EXCHANGE BETWEEN ICM AND PSYCHIATRY
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REFUGEE HEALTH ELECTIVE FOR MEDICAL STUDENTS
Melissa M. Lankler, et al.
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A. Joshi, et al.

TEACHING PRIMARY CARE PRACTITIONERS ABOUT PRENATAL DIAGNOSIS USING MATERNAL SERUM ALPHA-FETOPROTEIN (MSAFP) TESTING AS A MODEL
L. Benkendorf, et al.

INSTRUCTIONAL DESIGN OR EVALUATION OF RESIDENCY PROGRAM

FAMILY PRACTICE RESIDENCY ASSISTANCE PROGRAM
Daniel J. Ostergaard, M.D., et al.

NATIONAL STANDARDS FOR ACCREDITATION OF RESIDENCY PROGRAMS
J.M. Cassie, et al.

VISUAL INSERVICE EXAMINATION FOR EMERGENCY MEDICINE RESIDENTS
Gloria J. Kuhn, D.O.

EMERGENCY DEPARTMENT CRITICAL CARE REGISTRY
David Plummer, M.D.

USING A COMMERCIAL DATA MANAGER TO MAINTAIN RESIDENCY PROGRAM RECORD
John C. Mueller, M.D.

IMPROVING HOUSE STAFF AWARENESS OF PATIENT MEDICATIONS
J.A. Friedland, M.D., et al.

CHARACTERISTICS OF HOUSE STAFF WORK ROUNDS
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PRIMARY CARE RESIDENCY TRAINING IN INTERNAL MEDICINE/PEDIATRICS AT WEST VIRGINIA UNIVERSITY
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ASSESSMENT OF PERFORMANCE OF GRADUATES DURING THEIR FIRST POSTGRADUATE YEAR: CONGRUENCE OF PERCEPTIONS OF RESIDENCY DIRECTORS AND RESIDENTS
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A CLINICAL SIMULATION LABORATORY TEN YEARS LATER
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THE USE OF ORAL EXAMINATION IN SURGICAL RESIDENT EVALUATION: A MULTI-RESIDENCY PROGRAM EXPERIENCE
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FACULTY DEVELOPMENT

EFFECTIVE TEACHING: IMPROVING YOUR SKILLS
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FACULTY DEVELOPMENT THROUGH INSTRUCTIONAL DEVELOPMENT
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Nat E. Smith, M.D.

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- COMPUTER PROGRAMS FOR CLINICAL MANAGEMENT FOR DRUG DOSAGE REGIMENS**
Roger W. Jelliffe, M.D.
- PHYSICIANS' 1,2,3,4,5: TEACHING PHYSICIANS TO THINK MATHEMATICALLY ABOUT EACH OF THEIR PATIENTS' PROBLEMS**
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- A FLEXIBLE TEST BANKING SYSTEM FOR USE IN LECTURE-BASED OR INDIVIDUAL STUDY PROGRAMS**
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- AN INFORMATION SYSTEM FOR MANAGING EVALUATION IN MEDICAL EDUCATION**
Claudia A. Wade, et al.
- APPLICATIONS OF A MICROCOMPUTER CURRICULUM DATABASE TO CURRICULUM PLANNING AND EDUCATION RESEARCH**
E.M. Sellers, et al.
- COMPUTER-BASED CURRICULUM MANAGEMENT**
J.M. Shumway, et al.
- MECCA: MEDICAL EDUCATION CORE CURRICULUM ANALYSIS**
Steven S. Dimse, M.D., et al.

COMPUTER-BASED BULLETIN BOARD SYSTEM
SERVES AS LEARNING RESOURCE FOR MEDICAL
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S.J. Fath, Ph.D., et al.

T.I.M.S.: AN INTERACTIVE TEST ITEM MANAGE-
MENT SYSTEM

D.H. Harward, et al.

RNDTEST: A TEST AUTHORIZING SYSTEM

Raymond D. Mosteller, Ph.D.

SOFTWARE FOR HEALTH SCIENCES EDUCA-
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SELF-TESTING SYSTEM IN THE BASIC AND CLIN-
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John R. Thornborough, Ph.D.

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Charles Safran, M.D., et al.

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Maria Lourdes Garcia

USING A COMPUTER CONSTRUCTED MEDICAL
DATA BASE AS A MODEL FOR PROBLEM SOLVING
AND SELF-DIRECTED LEARNING

I.H. Koven, M.D., et al.

SOLITARY PULMONARY NODULE—INTERACTIVE
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A.J. Chandrasekhar, M.D., et al.

INTEGRATED PATIENT LOG DATABASE AND PA-
TIENT MANAGEMENT PROBLEM GENERATOR TO
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B.D. Lindley, Ph.D., et al.

OPTICAL DISCS FOR MEDICAL EDUCATION

James W. Woods, Ph.D., et al.

VIDEODISC INTERFACED WITH MS-DOS MICRO-
COMPUTER NETWORK OR SINGLE STATION FOR
TEACHING, SELF-ASSESSMENT OR TESTING BASIC
SCIENCES

S. Stensaas, et al.

PREPARING STUDENTS FOR COMPUTER-BASED
TESTING

M.J. Barrett, M.D., et al.

MICROCOMPUTER-BASED ADAPTIVE TESTING IN
A THIRD-YEAR CLERKSHIP: DESIGN DEVELOP-
MENT AND SOME PRELIMINARY FINDINGS

D.U. Smith, Ph.D., et al.

COMPUTER-AIDED INSTRUCTION IN TOPICS FOR
PRIMARY CARE PHYSICIANS

M. Davidman, M.D., et al.

A COMPUTER-CONTROLLED VIDEODISC SYSTEM
FOR LEARNING NEUROANATOMY

Jack Nolte, Ph.D., et al.

CAI FOR PHARMACOLOGY AND OTHER BASIC
MEDICAL SCIENCES

J.C. Hancock, M.D., et al.

ASSESSMENT OF MEDICAL STUDENTS' PHYSICAL
EXAMINATION SKILLS BY INTERACTIVE VIDEO-
DISK

P.L. Stillman, M.D., et al.

COMPUTER-ASSISTED LEARNING OF FUNDAMEN-
TAL ELECTROCARDIOGRAPHY

R.M. Fincher, M.D., et al.

NEW IMAGING IN MEDICAL EDUCATION

J. Glickman, Ed.D., et al.

COMPUTERS IN MEDICAL EDUCATION AT JEF-
FERSON

F. Scott Beadenkopf, et al.

IDENTIFICATION OF HEMATOLOGIC CELL MOR-
PHOLOGY: A COMPUTER-BASED INTERACTIVE
VIDEO PROGRAM

G.J. Marshall, et al.

INTERACTIVE VIDEO AS A DATA BASE FOR HIS-
TOLOGY TEACHING

J.E. Dittmer, et al.

COMPUTER SIMULATIONS IN MEDICAL EDUCA-
TION: CASE STUDIES IN MEDICINE AND SURGERY

Murry G. Fischer, M.D.

IN-HOUSE PRODUCTION OF A VIDEODISC AND
CAI INTERACTIVE VIDEO PROGRAMS FOR A
THIRD-YEAR CLINICAL CLERKSHIP

H.C. Mullins, M.D.

THE CLERKSHIP SELECTION PROGRAM

D.F. Keene

THE MAC MINIMEDLINE INTERFACE PROGRAM

Naomi Broerling

MEDDIX

H.A. Verbeek, M.D.

Minutes of AAMC Assembly Meeting

November 10, 1987

Washington, D.C.

Call to Order

Dr. Edward Stemmler, AAMC Chairman, called the meeting to order at 8:15 a.m.

Quorum Call

Dr. Stemmler recognized the presence of a quorum.

Consideration of Minutes

The minutes of the October 28, 1986, Assembly meeting were approved without change.

Report of the Chairman

Dr. Edward Stemmler reported on the progress of the Task Force on Physician Supply and its subcommittees, stating that it will be important for the Task Force to work with the Council on Graduate Medical Education. He also reported that the Association's newly created Committee on AIDS and the Academic Medical Center had met for the first time a month previously and had constituted itself into subcommittees on institutional policies and education and curriculum issues. Dr. Stemmler reported that the transition to residency issue had a sense of direction and order. He had been encouraged by a recent meeting with program directors concerning the issuance of dean's letter and felt the Association should continue its leadership in this area.

Dr. Stemmler concluded by expressing his thanks to the AAMC staff and to the following members of the Administrative Boards and Executive Council, whose terms were expiring: Mark Blumenthal, Joanne Fruth, Michael Gonzalez-Campoy, Kirk Murphy, Rick Peters, Thomas Sherman, and Mary Vistica from the Organization of Student Representatives; Kay Clawson, Hibbard Williams, and Bob

Daniels from the Council of Deans; David Cohen, Everette James, and Frank Yatsu from the Council of Academic Societies; Gordon Derzon and Tom Smith from the Council of Teaching Hospitals; and Ginny Weldon from the Executive Council.

Report of the President

Dr. Petersdorf began by referring the Assembly members to the Association's annual report for a description of the past year's activities. He reported that Louis Kettel and Robert Levy would be on board January 1 as Associate Vice President for Academic Affairs and Vice President for Biomedical Research respectively; Edwin Crocker would join the staff November 16 as Vice President for Administrative Services. He reported that the director of accreditation position had not been filled and asked members to forward names of potential candidates. Activities for the coming year would include increased AAMC action in the areas of minority affairs, manpower, and a number of legislative activities to include authorization packages related to the NIH and Title VII of the Public Health Service Act.

Report of the Council of Deans

Dr. Louis Kettel announced that the COD had elected the following Board members: William Butler, Chairman; William Deal, Chairman-Elect; and members-at-large Robert Friedlander, Phillip Forman, George Bryan. The COD representatives to the Executive Council would be L. Thompson Bowles, Robert Tranquada and Donald Weston.

During the year the deans had reversed their previous support for reporting NBME scores on a pass/fail basis. In the coming year the deans would be reviewing proposals relating to a single route to licensure. At this year's spring meeting they had discussed what direction medical schools should take on preventive

medicine, geriatrics, manpower, and the transition issues including dean's letters. The 1988 spring meeting would focus on teaching in the ambulatory setting, and manpower and minority recruitment would be priority issues in the coming year.

Report of the Council of Academic Societies

Dr. Frank Moody reported that Dr. Douglas Kelly would assume the chairmanship of CAS. He announced new Board members Myron Genel, Glenn Hamilton, Vivian Pinn-Wiggins, and Joel Jacks and thanked the staff for its support.

Report of the Council of Teaching Hospitals

Dr. Spencer Foreman reported on the formation of a new Group on Faculty Practice to foster practice faculty involvement in the AAMC. The COTH business meeting had discussed the draft paper on the house staff hours and supervision. He reported that some COTH members had become so involved in commercial consortia that there was a need for COTH to help maintain a community of interest in academic medicine. He also noted that, as hospital holding companies and health systems had formed, there was a need to consider revising COTH membership criteria to include CEOs in those organizations. He announced new Board members Leo Henikoff and Max Poll.

Report of the Secretary-Treasurer

Dr. Foreman referred the Assembly members to the published agenda which included the report of the treasurer and the balance sheet and operating statement for the Association's 1987 fiscal year. He reported that the Association's portfolio was in good condition, despite the recent downturn of the stock market.

ACTION: On motion, seconded, and carried, the Assembly approved the report of the Secretary-Treasurer.

Report of the Organization of Student Representatives

Ms. Kimberly Dunn reported that the OSR had a productive year. She thanked Drs. Pe-

tersdorf and Stemmler for their support. Ms. Dunn announced the completion of the Association of Teachers of Preventive Medicine survey on excellence in teaching, the continued OSR support of pass/fail reporting of NBME scores, work on discrimination in residency selection, and continued interest in indigent health care. OSR representatives continued to meet with Congressional representatives and had joined the GME computer network. Clayton Ballantine had been named the new chair-elect.

Election of New Members

ACTION: On motion, seconded, and carried, the Assembly unanimously elected the following organizations, institutions, and individuals to the indicated classes of membership:

Teaching Hospital Members: Georgia Baptist Medical Center, Atlanta, GA; Staten Island Hospital, New York, NY; Children's Medical Center, Dayton, OH; St. Luke's Episcopal Hospital, Houston, TX.

Distinguished Service Members: David H. Cohen, Fairfield Goodale, Ernst Knobil, Virginia V. Weldon.

Emeritus Members: Neal L. Gault, Robert U. Massey, Seymour L. Romney. Subscriber Member: Elliott Wolfe.

Individual Members: List attached to archive minutes.

AAMC Bylaws Change

ACTION: On motion, seconded, and carried, the Assembly unanimously approved the following amendment to the AAMC bylaws to designate members of the Association's Executive Committee:

Article VII, Section 3:

The Executive Committee of the Executive Council shall be comprised of the Chairman, the Chairman-Elect, the Immediate Past Chairman, the President, the Chairman of the Council of Deans, the Chairman of the Council of Teaching Hospitals, and the Chairman of the Council of Academic Societies. The Chairman of the Council of Teaching Hospitals shall

serve as Secretary-Treasurer. At such times as the Executive Council is not in session, the Executive Committee shall have and may exercise the full power and authority otherwise commonly incident to and vested in the Executive Council, to act on behalf of and to govern the Association, and to make any and all necessary and appropriate policy interpretations on behalf of the Executive Council. The designation of such a committee and the delegation to it of authority shall not relieve the Council, or any members of the Council, of any responsibility imposed upon them by law.

Report of the Resolutions Committee

There were no resolutions reported to the Resolutions Committee for timely consideration and referral to the Assembly.

Report of the Nominating Committee

Mr. Sheldon King, chairman of the Nominating Committee, presented the report of that committee. The committee is charged by the bylaws with reporting to the Assembly one nominee for each officer and member of the Executive Council to be elected. The following slate of nominees was presented: AAMC Chairman-Elect: D. Kay Clawson; Executive Council: Council of Deans: L. Thompson

Bowles, Robert E. Tranquada, and W. Donald Weston; Council of Teaching Hospitals: James J. Mongan.

ACTION: *On motion, seconded, and carried, the Assembly approved the report of the Nominating Committee and elected the individuals listed above to the offices indicated.*

Resolution of Appreciation

ACTION: *On motion, seconded, and carried, the Assembly adopted the following resolution of appreciation:*

WHEREAS, *Edward Stemmler has honored American medical education with faithful, diligent, and exemplary service as educator, clinician, scientist, and administrator, and*

WHEREAS, *the Association of American Medical Colleges has been a particular beneficiary of his insight, vision, and skillful leadership of the Council of Deans, the Executive Council, and the Assembly,*

BE IT RESOLVED, *that the Association today expresses to him its deep respect for his talents, sincere appreciation for his stellar contributions, and its friendship and best wishes in all future endeavors.*

Adjournment

The Assembly adjourned at 8:45 a.m.

Annual Report

1986–87

History and Development of the AAMC

The Association of American Medical Colleges was founded in 1876 by representatives of 22 medical schools to work for much-needed reform in medical education. Its attempt to raise educational standards by the introduction of a uniform, three-year graded curriculum failed, and the organization lay dormant for more than a decade. By 1890 the need for concerted action was again recognized when 66 medical colleges met on their common concern to elevate the standards of medical education. The 1910 Flexner report, sponsored by the Carnegie Foundation for the Advancement of Teaching, provided the final impetus for sweeping changes in medical education, including the demise of proprietary medical schools and the rise of university medical education.

During the ensuing decades the Association turned its attention to studies on the medical education process. World War II produced extraordinary problems and demands on the nation's medical schools for service and research. In the following years the AAMC expanded its efforts and broadened its focus to include all of the activities—education, research and service—underway at member institutions. A major restructuring of the Association followed the 1966 Coggshall report *Planning for Medical Progress through Education*. The Association was transformed from a “deans’ club” to a national organization which represents four constituent bases: medical school deans, teaching hospital directors, faculty, and students. This coincided with a move of the Association's offices to Washington, D.C., to bring the AAMC into more frequent contact with U.S. government bodies, agencies, and other educational and professional organizations. This occurred at a time when national policy supported expanded enrollments and the creation of new medical schools.

Today the Association employs 170 persons

under the direction of its president Robert G. Petersdorf, M.D. It carries out a broad range of programs and studies aimed at advancing medical education and the nation's health.

Membership

The Association includes in its membership:
—127 U.S. and 16 Canadian medical schools

—85 academic and professional societies representing the 61,000 faculty at member institutions

—465 hospitals with substantial research and educational activities, including 75 Veterans Administration medical centers

—Medical students at U.S. schools

—Nearly 800 persons with demonstrated serious interest in medical education who belong to the Association as individual members.

Members of the faculty and administrators of academic medical centers represent their institutions in organizations of similar professionals in the AAMC:

—Group on Business Affairs

—Group on Faculty Practice
(organizing November 1987)

—Group on Institutional Planning

—Group on International Medical Education (organizing 1988)

—Group on Medical Education

—Group on Public Affairs

—Group on Student Affairs

Objectives

“The Association of American Medical Colleges has as its purpose the advancement of medical education and the nation's health. In pursuing this purpose, the Association works with many national and international organizations, institutions, and individuals interested in strengthening the quality of medical education at all levels, the search for biomedical knowledge, and the application of these tools to providing effective health care.

“As an educational association representative of members having similar purpose, the primary role of the AAMC is to assist those members by providing services at the national level which will facilitate the accomplishment of their mission. Such activities may include collecting data and conducting studies on issues of major concern, evaluating the quality of educational programs through the accreditation process, providing consultation and technical assistance to institutions as needs are

identified, synthesizing the opinions of an informed membership for consideration at the national level, and improving communication with those concerned with medical education and the nation’s health. Other activities of the Association reflect the expressed concerns and priorities of the officers and governing bodies.”

—Approved by AAMC Executive Council
June 21, 1974

Governance

The Association's governance structure is composed of the Council of Deans, the Council of Academic Societies, the Council of Teaching Hospitals, and the Organization of Student Representatives. Each of these constituencies elects an Administrative Board which contributes members to the Association's Executive Council. The Executive Council, led by its Executive Committee, establishes policy for the Association. At the AAMC's annual meeting the Assembly elects the Executive Council and approves new Association members.

The meetings of the Administrative Boards and Executive Council allow members to hear directly from officials of the congressional and executive branches on issues of interest and importance to academic medical centers. In 1987 the following speakers were featured at governance meetings:

- Representative Henry Waxman
Chairman, House Subcommittee on Health and the Environment
- C. Everett Kopp, M.D.
Surgeon General of the United States
- James Wyngaarden, M.D.
Director, National Institutes of Health
- Representative Willis Gradison
Ranking Minority Member, House Ways and Means Subcommittee on Health
- Brian Biles, M.D.
*Majority Staff Director
House Ways and Means Subcommittee on Health*

At the 1986 AAMC annual meeting the Executive Council held a special session to consider the establishment of a closer relationship between the AAMC and the Association of Academic Health Centers. Following that meeting the leadership of the two organizations ratified an agreement creating the

AAHC-AAMC Forum. The Forum, which has been established for an initial period of three years, provides a mechanism by which matters of common interest and concern can be explored, leading to joint activities and policy positions. The Forum itself has no outside functions or advocacy role and remains responsible to the two parent organizations. One positive outcome of the Forum has been an agreement by the two organizations to provide staff support jointly for a group of institutional governmental representatives.

Executive Council

Chairman

Edward J. Stemmler, M.D.
University of Pennsylvania School of Medicine

Chairman-Elect

John W. Colloton
University of Iowa Hospitals & Clinics

Immediate Past Chairman

Virginia V. Weldon, M.D.
Washington University School of Medicine

President

Robert G. Petersdorf, M.D.
Association of American Medical Colleges

Distinguished Service Member

Edward N. Brandt, Jr., M.D.
University of Maryland

Council of Deans Administrative Board

Chairman

Louis J. Kettel, M.D.*
University of Arizona College of Medicine

Chairman-Elect

William T. Butler, M.D.*
Baylor College of Medicine

Members

L. Thompson Bowles, M.D.
George Washington University School of

Medicine and the Health Sciences

D. Kay Clawson, M.D.*

University of Kansas School of Medicine

Robert S. Daniels, M.D.*

*Louisiana State University School of
Medicine in New Orleans*

William B. Deal, M.D.*

University of Florida College of Medicine

Robert Friedlander, M.D.

Albany Medical College

John Naughton, M.D.*

*School of Medicine and Biomedical Sci-
ences of the State University at Buffalo*

Richard S. Ross, M.D.*

*Johns Hopkins University School of Med-
icine*

Henry P. Russe, M.D.*

Rush Medical College

W. Donald Weston, M.D.

*Michigan State University College of Hu-
man Medicine*

Hibbard E. Williams, M.D.*

*University of California, Davis, School of
Medicine***Council of Teaching Hospitals
Administrative Board****Chairman**

Spencer Foreman, M.D.*

*Montefiore Medical Center***Chairman-Elect**

J. Robert Buchanan, M.D.*

*Massachusetts General Hospital***Members**

Gordon M. Derzon

*University of Wisconsin Hospital & Clin-
ics*

Gary Gambuti*

St. Luke's-Roosevelt Hospital Center

Jerome B. Grossman, M.D.

New England Medical Center

John E. Ives

St. Luke's Episcopal Hospital, Houston

William H. Johnson, Jr.

University of New Mexico Hospital

Larry L. Mathis

The Methodist Hospital, Houston

James J. Mongan, M.D.

Truman Medical Center

Charles M. O'Brien, Jr.

Georgetown University Hospital

Raymond G. Schultze, M.D.

UCLA Hospital & Clinics

C. Edward Schwartz

Hospital of the University of Pennsylvania

Barbara A. Small

*Veterans Administration Medical Center,
San Diego*

C. Thomas Smith*

*Yale-New Haven Hospital***Council of Academic Societies****Administrative Board****Chairman**

Frank G. Moody, M.D.*

*University of Texas Medical School at
Houston***Chairman-Elect**

Douglas E. Kelly, Ph.D.*

*University of Southern California School
of Medicine***Members**

S. Craighead Alexander, M.D.

University of Wisconsin Medical School

Lewis Aronow, Ph.D.

*Uniformed Services University of the
Health Sciences*

David H. Cohen, Ph.D.*

Northwestern University

Joe Dan Coulter, Ph.D.

University of Iowa College of Medicine

William F. Ganong, M.D.*

*University of California, San Francisco,
School of Medicine*

Ernst R. Jaffe, M.D.

Albert Einstein College of Medicine

A. Everette James, Jr., M.D.

Vanderbilt University School of Medicine

Herbert Pardes, M.D.

New York State Psychiatric Institute

Frank M. Yatsu, M.D.
*University of Texas Medical School at
Houston*

**Organization of Student Representatives
Administrative Board**

Chairman
Vicki Darrow, M.D.*
*University of Washington School of Med-
icine*

Chairperson-Elect
Kimberly Dunn*
*University of Texas Medical School at
Houston*

Members
Mark Blumenthal, M.D.
*University of Medicine and Dentistry of
New Jersey*
Robert Wood Johnson Medical School
Joanne Fruth, M.D.
Medical College of Ohio
Michael Gonzalez-Campoy
Mayo Medical School

Jill Hankins
*University of Arkansas College of Medi-
cine*

Sarah Johansen
Dartmouth Medical School

Kirk Murphy, M.D.
*Hahnemann University School of Medi-
cine*

Richard Peters, M.D.
*University of California, San Diego,
School of Medicine*

Thomas Sherman, M.D.
*University of Connecticut School of Med-
icine*

Andrew Spooner
*University of Tennessee College of Medi-
cine*

Mary Vistica, M.D.
*Oregon Health Sciences University
School of Medicine*

* Administrative Board members who also serve
on Executive Council

Selection and Education of Young Physicians

Admission to Medical School

In 1974–75 medical school applicants reached their peak at 42,624. Since then there has been a steady decline in the number of young men and women interested in a career in medicine. For the 1987 academic year the AAMC estimates that the total applicant pool will be 28,200 or 10 percent fewer than for 1986. The projection for 1988 is for a further decline of 12 percent.

The declining interest in a medical career is of concern to the profession as well as to the Association. In February 1987 the AAMC, the American Medical Association, and the American Hospital Association sponsored a conference on "The Medical Profession: Enduring Values and New Challenges." Presenters discussed forces effecting changes in medical care and practice and attempted to determine how the perception of medicine could be changed so that the challenges and opportunities of the profession were more apparent to potential applicants.

The Association conducts a number of programs to assist its constituents in selecting medical students. The AAMC first sponsored an objective test for applicants to medical school in 1930 to reduce the high attrition rate among entering freshmen. The test became known as the Medical College Admission Test in 1948. A major review of the MCAT culminated with the introduction of a new test format in 1977. It provides medical school admissions committees with a standardized measure of academic achievement for examinees in the areas of biology, chemistry, physics, science problems, skills analysis: reading, and skills analysis: quantitative. With nearly a decade's experience, members of a new MCAT Evaluation Panel are now reexamining the battery of tests to determine whether changes are in order based on psychometric data or the message conveyed to students, advisers,

and medical school personnel by the current configuration of tests. The panel will also consider whether there exists a possible misalignment of the design of the battery and MCAT program goals or the information needs of the medical schools. An MCAT content update will then be undertaken to propose content specifications for the development of a revised examination.

For the past four years, the AAMC has also been investigating the possibility and desirability of including an essay question as a permanent part of the MCAT. In this endeavor an essay topic has been incorporated on a trial basis in the 1985, 1986 and 1987 MCAT exams. The objectives of the pilot program are to plan, develop, implement, and evaluate an essay written by examinees under standard conditions and in response to a topic developed to measure specific communication and analysis skills. A final report on this project is expected in January 1989.

MCAT Essay Pilot Project Advisory Committee

Daniel J. Bean, Ph.D.
St. Michael's College

Zenaido Camacho, Ph.D.
Baylor College of Medicine

Shirley Nickols Fahey, Ph.D.
University of Arizona College of Medicine

Scharron A. Laisure, Ph.D.
University of Iowa College of Medicine

Terrence M. Leigh, Ed.D.
American Board of Family Practice

Robert I. Keimowitz, M.D.
*George Washington University School of
Medicine and Health Sciences*

John Molidor, Ph.D.
*University Affiliated Hospitals of Flint,
Michigan*

Marliss Strange
University of Oregon

MCAT Evaluation Panel

Richard L. O'Brien, M.D., Chairman
Creighton University School of Medicine

Bruce L. Ballard, M.D.
Cornell University Medical College

Kurt E. Ebner, Ph.D.
*University of Kansas Medical Center
School of Medicine*

Janine C. Edwards, Ph.D.
*Louisiana State University School of
Medicine in New Orleans*

Harry L. Fierstine, Ph.D.
*National Association of Advisors for the
Health Professions*

Doloras Furtado, Ph.D.
University of Kansas Medical Center

Nancy E. Gary, M.D.
*UMDNJ—Robert Wood Johnson Medical
School*

Carol Horn, M.D.
*George Washington University School of
Medicine and Health Sciences*

Douglas E. Kelly, Ph.D.
*University of Southern California School
of Medicine*

Fernando Mendoza, M.D.
Stanford University School of Medicine

Russell Miller, M.D.
Howard University College of Medicine

Mabel Purkerson, M.D.
Washington University School of Medicine

Billy Rankin
*University of Texas Medical School at
Galveston*

Ron Ramsey, M.D.
*Southern Illinois University School of
Medicine*

Richard W. Sherrill, M.D.
Eastern Virginia Medical School

Robert Welch, M.D.
Cambridge, Massachusetts

The American Medical College Application Service, with 106 participating schools, processes first-year application materials and provides schools with coordinated admissions data in a uniform format. AMCAS also provides rosters and statistical reports and data for national studies on admission, matriculation, and enrollment.

To enable its schools to assess the qualifications of minority and other non-traditional applicants, the Association has offered a series of Simulated Minority Admissions Exercise workshops. These workshops are targeted at medical school personnel concerned with the admission and retention of underrepresented minorities. Training and development workshops are also offered for counselors and advisers of minority students. Nevertheless, the Association remains concerned about the need to identify strategies to encourage further participation of underrepresented minorities in medicine.

Medical School Education

In 1984 the Association issued *Physicians for the Twenty-First Century*, the report of the Panel on the General Professional Education of the Physician and College Preparation for Medicine (GPEP). Various efforts are underway, both within AAMC and at medical schools, to respond to the recommendations of the GPEP report. Association staff are working with a group of nationally recognized educators to develop a program to introduce medical school faculty to alternatives in medical student teaching and learning. A goal of the program is to expand participants' knowledge about how teaching and learning might be changed at their institutions. Activities at several medical schools include the development of systematic and comprehensive assessments of students' clinical performance. In addition, representatives of the Group on Medical Education are working closely with the National Board of Medical Examiners in their efforts to modify the NBME Part III examination; there is interest in diminishing the influence of licensing examinations on the programs of medical student education.

In recent years several factors have com-

bined to alter substantially the hospital inpatient environment which has served as the focal point for medical education. These changes have caused medical educators to begin to seek information about the problems and opportunities associated with complementing medical student and residency training in the hospital with expanded training in the ambulatory setting. In December 1986 the Association, with the support of the W. K. Kellogg Foundation, held an invitational symposium "Adapting Clinical Education to New Forms and Sites of Health Care Delivery." A small group of 30 prominent medical educators, representatives of specialty societies, nursing and allied health educators, and others addressed the issues from the perspective of internal medicine, surgery, ophthalmology, and neurology. The participants held specific discussions on the implications for clinical education of the team approach to ambulatory care and on the cost and financing of ambulatory care training. Proceedings of the symposium have been published.

Under contract with the Health Resources and Services Administration an AAMC study has undertaken to identify the possible types of sites that might be conducive to ambulatory training, the strategies for organizing these educational functions and the consequences of such a shift. The study, to be completed in the fall of 1987, concentrated on internal medicine, general surgery, family medicine, pediatrics, psychiatry, and ophthalmology in examining the perceived need to alter education programs. Site visits were made to nine academic medical centers to examine approaches to educating students and residents.

Ambulatory Care Project Advisory Panel

Robert H. Waldman, M.D., Chairman
University of Nebraska College of Medicine

Robert C. Davidson, M.D.
*University of California, Davis, School, of
Medicine*

Thomas Delbanco, M.D.
Beth Israel Hospital

Leo Henikoff, M.D.
*Rush-Presbyterian-St. Luke's Medical
Center*

William Kerr
*University of California, San Francisco,
Medical Center*

Howard Kirz, M.D.
Group Health Cooperative of Puget Sound

George Seldon, M.D.
*University of North Carolina at Chapel
Hill School of Medicine*

The AAMC's Group on Medical Education is the focal point of many of the Association's education activities. A segment of that group has been discussing introduction to clinical medicine (ICM) courses and is working to define ICM and the funding sources available for it, with the hope for development of guidelines for better integration between ICM, basic science courses and subsequent clinical experience. At the 1987 AAMC Annual Meeting the results of a pilot study of a survey to establish a data base about ICM courses will be presented.

The Association has published an annotated bibliography *Medical Education and Evaluation Along the Clinical Continuum* as part of its ongoing activities in medical student evaluation. Evaluation instruments from medical schools will be available through the Association in early 1988. These activities are coupled with the workshop series on "Systems for the Evaluation of Clinical Students: An Institutional Management Approach," offered through the AAMC's Management Education Program.

Transition to Graduate Medical Education

At the 1986 AAMC Annual Meeting the draft report of the Committee on Graduate Medical Education and Transition from Medical School to Residency was presented at a special general session. There have been a number of sequelae from this report:

November 1 dean's letter date: The Executive Council has supported the Council of Deans' designation of November 1, 1987, as a uniform release date for deans' letters for students seeking graduate medical education positions. Using this date for the release of these evaluative letters means that program directors will receive more information about stu-

dents' performance in required clerkships and clinical electives.

Transition Forum: Starting with the 1987 AAMC Annual Meeting, a forum will be held with representatives of each specialty to review progress toward resolving problems at the transition between medical school and residency. This year the principal focus will be on the effect on the resident selection process of the November 1 uniform release date for deans' letters and the changed National Resident Matching Program schedule which moved the date for submission of rank order lists from January to February. The forum will discuss ways to improve the coordination of selection of candidates for PG- $\frac{1}{2}$ combined positions.

Dean's letters review: A committee is working on ways to make dean's letters a more useful evaluative tool. The committee will define the appropriate use of the dean's letter and determine what information should be supplied to program directors who are selecting among candidates for residency positions. It is hoped that this committee's work will result in improved reporting of students' qualities and capabilities.

"Audition" electives: The Transition Committee report discouraged the use of "audition" electives as a part of the residency selection process, emphasizing that electives should be chosen to meet students' educational needs.

Graduate Medical Education

The ability to track medical graduates through their residency training has been added to the Student and Applicant Information Management System, the AAMC's comprehensive data base on medical students. Beginning with the class of 1983, the residency path for each graduate is now on file. These additional data allow correlations to be made between final choice of specialty and earlier career intentions. Studies correlating characteristics of students at entry to medical school with career outcomes will also be possible for the entire population of medical students and for a single institution's graduates.

The Association has also become involved in efforts in some states to regulate house staff hours. While the Association supports efforts to examine graduate training consistent with its primary educational goals, the Association is concerned that some proposals to regulate house staff do not consider adequately the education, service, and fiscal consequences, and do not allow for an adequate period of phase-in.

Upon recommendation of a committee charged by the Executive Council, the AAMC is considering the establishment of an Organization of Resident Representatives as a permanent part of its constituency structure.

Student Financial Assistance

A career in the medical profession requires a substantial investment from the individual who wishes to become a physician. The period of education and training is lengthy, and the costs are significant. In 1986-87 the average tuition and fees at private medical schools were \$14,962; for a state resident at a public school they were \$4,696. Since medical schools, like other higher education institutions, aspire as a matter of principle to accept the most worthy candidates for admission regardless of ability to pay, the availability of adequate financial assistance becomes a paramount concern. The Association addresses this priority through a series of sponsored activities and by monitoring relevant congressional and regulatory actions.

The October passage of the Higher Education Amendments of 1986 and later technical amendments legislation made some important changes in the federal programs that provide medical student financial assistance. These included increases in maximum annual loans, enhanced loan consolidation procedures, and clarifications in the eligibility for repayment deferments. A welcome provision was the limitation on eligibility for federal Guaranteed Student Loans and Supplemental Loans to Students to those foreign medical schools that either enroll 60 percent or more from among their own nationals or whose U.S. graduates achieve a specified pass rate on the examinations administered by the Educational Com-

mission for Foreign Medical Graduates.

In 1986 the Association initiated MEDLOANS, a new comprehensive loan program in which students can apply for three federal loan programs and a new Alternative Loan Program (ALP) through a consolidated application procedure. ALP is an assured access program that does not require the medical student to have a co-signer, nor does it require the borrower to make interest payments while in school or during the first three years of residency. Modifications to the program during this year have made the loan package the most competitive on the market.

The concept of MEDLOANS has also been expanded beyond the loan program to include the Association's activities and services related to student financial assistance. As part of this new program, the Association sponsored a conference on medical student indebtedness last June at which 71 medical schools were represented. The conference included a workshop on personal financial planning for students and parents, a session on analyzing specific terms and conditions when comparing loan programs, and an examination of how to balance the various roles of the financial aid administrator. The conference and a new bi-monthly bulletin for medical school financial aid officers are examples of services that the Association offers its members with the guidance of the Committee on Student Financial Assistance of the Group on Student Affairs.

Support for Biomedical and Behavioral Research

Federal Research Programs

Support for the research and research training programs of the National Institutes of Health and the Alcohol, Drug Abuse and Mental Health Administration is the cornerstone of the AAMC's advocacy of a strong medical research enterprise for this nation. The advocacy includes, as a matter of routine, monitoring relevant authorization and appropriations legislation, presenting testimony to congressional committees, and working with other interest groups to assure adequate levels of appropriations for research programs. Close relationships with the research agencies also aid the Association in representing the interests of its constituents.

In 1987 a new twist was added to the budget process. In January the Reagan Administration proposed, through its fiscal year 1988 budget submission, to "extend the availability" of \$334 million and \$5 million from the fiscal year 1987 budgets of NIH and ADAMHA, respectively, and expend these funds in the new fiscal year. For NIH this would have meant that 700 fewer competing research projects would have been funded and all research project grants would have been cut by at least 10 percent. Although the president's request pledged that no action would be taken to carry out the proposal without congressional action, NIH moved to implement the cuts immediately after the release of the budget submission. The AAMC was persuaded that implementation of the proposal was both illegal and actionable and retained counsel. Other co-plaintiffs were invited to join the effort, and the AAMC was gratified at the prompt response of many other organizations concerned with maintaining a vigorous biomedical research effort. In an apparent response to the imminent lawsuit and as a consequence of congressional displeasure at this proposal, the Office of Management and

Budget did finally instruct the Department of Health and Human Services not to withhold or restrict NIH research project funds. Shortly thereafter grants were funded according to normal procedures and funds were restored to grants that had previously been reduced. Eventually Congress formally rejected the proposed "reappropriation."

The administration's attempt to reduce already appropriated funds for biomedical and behavioral research was only the latest in a series of attempted rescissions and deferrals and emphasized the importance of the Association's continued vigilance on behalf of the research community.

The Association has also been a consistent supporter of the research programs of the Veterans Administration (VA). The research conducted by the VA complements its medical care and education activities. AAMC testified opposing the administration's proposed funding levels which represented an increase of about three percent compared to a twelve percent increase proposed for research and development at the Department of Defense. The Association supported a funding level of \$226 million to maintain the high calibre of research conducted in the medical and prosthetic research program.

Investigational New Drugs

The attention of AAMC members was focused earlier this year on a repropoed rule from the Food and Drug Administration that would make investigational new drugs widely available to patients with serious or immediately life-threatening diseases before clinical trials were completed. The Association, along with more than 300 other organizations and individual scientists, viewed the proposal as detrimental to clinical research and to the scientific development of new drugs as well as posing a possible danger to some patients.

The final rule published in May contained modifications that were responsive to the concerns of the AAMC and many other groups. A new section in the final rule specified that release of drugs for treatment under this regulation will ordinarily be permitted only late in the clinical trials process and, further, that use for treatment can be denied if the body of scientific evidence fails to show that the drug is safe and effective. These changes were viewed as important in maintaining the integrity of the drug development process.

Use of Animals in Research and Education

The Association continues its campaign against attempts to limit the use of animals in laboratory research and education. In this the Association cooperates with and is heavily dependent on the National Association for Biomedical Research and the Foundation for Biomedical Research. An important part of the AAMC's effort is working with its members to assure that standards for the proper care of these animals are maintained. In response to a new federal requirement for training of personnel in institutions performing animal research, the AAMC and the Foundation for Biomedical Research developed two training videotapes for research institutions. The first tape provides a historical perspective on the animal rights movement's strategy and its agenda for future efforts to restrict animal research. The second tape contains segments on the workings of animal care and use committees, on common procedures and tech-

niques in animal research and on their appropriate application, and on the standards for pre- and post-operative care for animals undergoing surgery. The same project also included the preparation and publication of a guide for scientists using animal models, *The Biomedical Investigator's Handbook*.

The Association continues to monitor regulatory and legislative proposals relating to the use of animals in research and education. In March the Department of Agriculture issued regulations implementing the 1985 amendments to the Animal Welfare Act. Over 1200 academic and scientific organizations, educational and health care institutions and individual researchers submitted comments on the proposed regulations. The AAMC response to these regulations cited concerns that the proposed regulations went beyond the intent of Congress to broaden unrealistically the scope of the regulatory environment exerted by the federal government, conflicted with other federal animal welfare policies, and would substantially increase institutional costs.

Other Issues

Additional research issues being addressed by the AAMC include:

- research training
- NIH funding policies
- biotechnology regulations
- scientific misconduct policies
- indirect cost regulations
- industry-university relationships
- construction authority for research facilities
- technology transfer

Delivery of Health Care Services

The Association's member teaching hospitals are the sites for clinical education for medical students and residents, fellowship training programs for physicians in graduate medical education, and a significant share of the nursing and allied health education programs. The teaching hospitals associated with the nation's medical schools also constitute a major health service resource. The six percent of the nation's non-federal, short-term hospitals that are COTH members account for 20 percent of admissions, 20 percent of the emergency room visits, and 33 percent of outpatient visits. They provide a comprehensive range of patient services, including a disproportionately large share of the most sophisticated and intensive hospital services. With the important role that these hospitals play in medical education and in the nation's health care system, it has been a major objective of the Association to assure the fiscal viability of these institutions.

Reimbursement for Services

The Medicare program has been a major target for budget cuts proposed by the Reagan Administration throughout the last several fiscal years. The current emphasis on reexamining national policies in light of more limited public resources places teaching hospitals and their activities at a significant risk if their special nature and role are not supported. The Association has been an advocate for adequate and fair reimbursement for medical care services, particularly those that have an impact on academic medical centers.

The AAMC opposes the Reagan Administration's proposals to eliminate Medicare payments for the "educational costs" of residency training and for all expenses of nursing and allied health education programs. The AAMC

has also recommended that the indirect medical education adjustment, which actually is a proxy measure to compensate for added patient service costs borne by teaching hospitals, be retained at its current level. The Association has consistently argued that the inflation adjustments for the Prospective Payment System proposed by the administration have been inadequate and should be increased. While the administration has supported including capital costs in the prospective payment system, the AAMC has supported the continuation of capital pass-through.

Landmark legislation to expand Medicare's coverage of catastrophic health costs for its 31 million beneficiaries cleared the House of Representatives in summer 1987. The plan originally offered by the Department of Health and Human Services was amended in the House to add payment for prescription drugs and other benefits. Concerns about the projected cost of the expanded proposal and the threat of a presidential veto are expected to be the focus of Senate consideration.

Other provisions under consideration by Congress are changes in payments to physicians, including a proposed prospective payment system for inpatient radiology, anesthesiology and pathology services. The AAMC has opposed this proposal.

Given the wide variety of reimbursement proposals that are being considered at national and state levels, the AAMC has been concerned that many of them have an underlying assumption that teaching hospitals are relatively homogeneous. In an effort to replace the assumption of homogeneity with clear analytical information on the differing characteristics of subgroups of teaching hospitals, the AAMC is establishing a coordinated data base on teaching hospital costs and operating characteristics. Data are being developed at the individual hospital level so that the impacts of

a particular policy proposal can be assessed on different types of teaching hospitals. This effort is supported by a grant from The Commonwealth Fund. In a related effort the Association is reviewing its survey of academic medical center hospitals to make its own data collection activities more effective.

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Access to Care

Teaching hospitals are major providers of medical care services to the poor and medically indigent. In 1984, 49 percent of the charity care charges and 36 percent of the bad debts of all short-term non-federal hospitals were incurred by members of the Council of Teaching Hospitals. Thus, the average COTH member deducted 11.2 percent of revenues for charity care and bad debts compared to the community hospital average deduction of 6.6 percent of revenues. This above average charity care and bad debt experience for COTH members results, in large part, from the high number of such patients seen at medical centers located in the economically disadvantaged sections of major cities.

The Census Bureau estimates that 37 million Americans, nearly 18 percent of the population under age 65, do not have health insurance coverage. Over half of these uninsured individuals belong to families where at least one member has a full-time job. The AAMC has supported the concept of amending the Public Health Service Act and the Fair Labor Standards Act of 1938 to require employers to provide a minimum package of health insurance coverage to all full-time workers and their dependents.

New Care Delivery Models at New Sites

The Association continues to work with its members to develop the evolution of new relationships and organizations for the delivery of care at academic medical centers. With short-term hospitals being used increasingly only for the most acute phase of a patient's illness, medical schools are expanding their teaching sites to include nursing homes and ambulatory care centers. The Association has recently surveyed its medical schools to collect and begin analyzing affiliation arrangements between schools and nursing homes.

Recognizing the importance of patient care revenues in the financing of medical schools, the Association is establishing a new Group on Faculty Practice with representation from medical school practice plans. The group will hold an organizational session at the AAMC's 1987 annual meeting.

Other Issues

The Association also follows these other health-care delivery issues:

- Medicare regulations and procedures
- accreditation of academic medical centers by the Joint Commission on Accreditation of Healthcare Organizations (formerly the Joint Commission on Accreditation of Hospitals)
- tax-exempt status for non-profit hospitals
- tax policy for the unrelated business income of hospitals
- medical professional liability
- nursing shortage
- low level radioactive waste disposal policies
- organ procurement and transplant regulation
- health services research

Advancing Institutional Quality

A high priority of the Association is enhancing the leadership and management capabilities of its members to advance institutional quality. This is accomplished through a variety of mechanisms including seminars, accreditation activities, and analytical studies.

Institutional Development

The AAMC Management Education Programs, now in their 16th year, provide a range of educational opportunities for senior academic medical center officials. In addition to the executive development seminars which initiated this program, the Association now offers a variety of special topic seminars designed to improve specific medical center activities. During the last year the following seminars were offered:

- executive development seminar (offered twice)
- information technology and institutional strategy in the academic medical center
- workshops focusing on the design of responsive medical student evaluation systems (offered five times)

Planning is underway for a new series of seminars on problem-based learning.

Faculty and Professional Development

Since January 1987 the Association has been the administrator for the Kaiser Family Foundation Faculty Scholar Program in General Internal Medicine. In this program up to five years of support are provided to exceptionally talented young faculty members in general internal medicine. The program will develop new academic leaders and support the growth of general internal medicine as an integral part of the academic medical center.

Other faculty development activities focus on appointment, promotion and tenure poli-

cies, which are changing in medical schools, particularly with respect to the clinical departments, and the career paths and professional activities of faculty members. The advancement of women and minorities into positions of academic leadership has not occurred according to their representation in faculty ranks; strategies to foster such advancement are also part of the AAMC's faculty development efforts.

The Association supports professional development activities for a range of medical center officials through its groups, five of which are currently operational. The program activities of the groups facilitate interaction among these professionals and with the Association staff and governing bodies.

—*Group on Business Affairs*: principal business officers, and individuals with general and research administration responsibilities

—*Group on Institutional Planning*: officials from medical schools and teaching hospitals responsible for planning academic and health care programs, facilities, and marketing efforts

—*Group on Medical Education*: administrators with responsibilities in the areas of undergraduate, graduate, and continuing medical education; development of instructional resources; and research in medical education

—*Group on Public Affairs*: medical school and teaching hospital officials working in public relations, alumni affairs, and development

—*Group on Student Affairs*: dean's office personnel with responsibility for student affairs, admissions, minority affairs, and student financial aid.

New groups are being formed in international medical education and faculty practice.

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Accreditation

The Association participates in accreditation activities to improve the quality of the educational process at its member institutions. Since 1942 the AAMC and the American Medical Association have sponsored the Liaison Committee on Medical Education. The LCME's primary responsibility is to attest to the edu-

cational quality of programs leading to the M.D. degree. This process of evaluation and accreditation assists institutions in determining effective allocation of their efforts and resources. Standards for accreditation are found in the document *Functions and Structure of a Medical School*, which was reissued in 1985.

With a number of other professional organizations the AAMC participates in the accreditation of residency training programs through the Accreditation Council on Graduate Medical Education and in the accreditation of continuing medical education through the Accreditation Council on Continuing Medical Education.

Task Force on Physician Supply

The supply and deployment of physicians in the United States has been a major topic on our nation's health agenda since the 1980 issuance of the report of the federal government's Graduate Medical Education National Advisory Committee. Prior to that time major policy initiatives had focused on alleviating a perceived shortage of physicians. The GMENAC report, however, predicted a surplus of 70,000 physicians by 1990 and recommended that class size in U.S. medical schools be cut 17 percent in four years. The AAMC, while agreeing that further expansion of medical education capacity was not warranted, argued that the change suggested by GMENAC was too precipitous. The AAMC response to the GMENAC recommendations said:

If the educational capacity of our medical schools is to be reduced, sufficient time must be permitted for planning and implementing the reduction. Changes in class size must take into account the diversity of the institutions, their sponsorship, their special missions, and their multiple sources of support. Given time, the schools will be able to adjust their capacity downward while maintaining, and even enhancing, educational quality. Time will also provide schools and teaching hospitals the opportunity to adjust to the needs of the states and regions to which they may have obligations.

By and large medical schools have responded thoughtfully to the GMENAC report. Some, in their initial phase of development have continued their planned enrollment expansion, while others have acted to reduce enrollments modestly. In total, the national capacity for educating physicians, as represented by new matriculants, has dropped from a peak of 16,620 in 1981 to 16,103 in 1986. A recent AAMC member survey projected a

net decline of over 200 additional first-year positions by 1991. The more rapid decline in medical school applicants has triggered concerns that this may portend a decline in the quality of future physicians and biomedical scientists.

Accordingly, the Association is now undertaking a thorough examination of the ramifications of physician supply and demand issues to formulate guiding principles to assist its constituent members and others in addressing these issues in the period ahead. It is particularly important that the AAMC become more fully engaged in this national debate to assure continuing attention to the quality of medical education, biomedical science, and patient care.

The AAMC Executive Council has established the Task Force on Physician Supply charged with:

- reviewing physician supply and production
 - considering the necessary manpower mix for provision of services in teaching hospitals
 - facilitating access to health care services
 - assuring a sufficient number of appropriately trained researchers in biomedical and behavioral sciences.
- The final report of the Task Force, due in September 1989, will:
- provide information and policy guidelines on the supply and demand for physicians and medical scientists
 - guide AAMC members in the development of policies and programs of education for medicine and medical science
 - include analytic approaches to formulating public policy for medical education
 - help potential applicants for medical and graduate schools
 - assist the medical profession in understanding and responding to the demands of the contemporary environment.

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Representation of Academic Medical Centers

With the Congress

The AAMC represents its constituents through testimony and letters to elected representatives on Capitol Hill and in the executive branch. Since the 100th Congress convened in January 1987, representatives of the AAMC have testified on seven occasions:

—Joseph S. Gonnella, M.D., dean and vice president of Jefferson Medical College, testified before the House Subcommittee on Health and the Environment supporting the reauthorization of the National Center for Health Services Research and Health Care Technology Assessment.

—Robin D. Powell, M.D., dean of the University of Kentucky College of Medicine, appeared before the House Labor-HHS-Education Appropriations Subcommittee urging continued strong federal support for medical research and student financial assistance.

—Milton Corn, M.D., dean of Georgetown University School of Medicine, argued for more funding for the medical care and research programs of the Veterans Administration in an appearance before the House HUD-Independent Agencies Appropriations Subcommittee.

—Charles M. O'Brien, administrator of Georgetown University Hospital and a member of the COH Administrative Board, presented the Association's opposition to the Administration's proposals to cut the Medicare pass-through for direct medical education costs and the indirect medical education adjustment to the Senate Finance Committee.

—Robert G. Petersdorf, M.D., AAMC president, appeared before the Senate Subcommittee on Labor-HHS-Education Appropriations to present the AAMC views on fiscal year 1988 appropriations for education and research programs. He also testified before the Senate Appropriations Subcommittee on HUD-Independent Agencies in support of adequate fund-

ing for Veterans Administration service, education, and research programs.

—James D. Bentley, Ph.D., AAMC vice president for clinical services, appeared before the Senate Finance Committee to recommend that Congress prohibit the Department of Health and Human Services from making changes in the Medicare capital pass-through until Congress enacted legislation directing a specific capital payment methodology.

The AAMC staff has been working with staff of other health professions and education associations to provide linkages between the legislative activities of these Washington-based groups and those of persons with governmental relations responsibilities at medical centers and universities. In order to make the work of these individuals more effective, and to keep the membership abreast of current developments, the AAMC is now periodically developing a *Legislative and Regulatory Update*. This report will be used in conjunction with meetings of governmental relations representatives staffed by the AAMC and the Association of Academic Health Centers. This activity is designed to facilitate information sharing and coordinated activity of individuals engaging in advocacy on health education and related issues at the federal level. Another outcome of this networking is a session scheduled for the Association's 1987 annual meeting for government relations representatives to meet with congressional staff about pending issues of interest.

With Other Organizations

The Association works with a number of other organizations to represent the interests of academic medicine. As members of the Council for Medical Affairs, the chief executive and elected officers of the AAMC meet regularly with their counterparts from the American Medical Association, the American Hospital

Association, the American Board of Medical Specialties, and the Council for Medical Specialty Societies. Other organizations at whose meetings the AAMC is regularly represented include the Educational Commission for Foreign Medical Graduates, the National Association for Biomedical Research, the National Board of Medical Examiners, the National Fund for Medical Education, and the Federation of Associations of Schools of the Health Professions. The AAMC is also an important contributor to the deliberations of the Joint Health Policy Committee of the Association of American Universities/American Council on Education/National Association of State Universities and Land Grant Colleges and the Intersociety Council for Biology and Medicine.

One coalition deserves special mention. For the fifth consecutive year the Association provided the primary staff support and played a substantial role in the promotion of the Ad Hoc Group on Medical Research Funding. This coalition of over 170 organizations, the Steering Committee for which is chaired by

AAMC Executive Vice President John Sherman, annually recommends more adequate total funding levels for the National Institutes of Health and the Alcohol, Drug Abuse and Mental Health Administration. Congressional reaction to this effort continues to be extremely positive.

With the Departments and Agencies

In addition to commenting on regulatory proposals, the Association makes its views known to executive branch officials through regular meetings with key agencies such as the National Institutes of Health and the Veterans Administration.

The Association also routinely monitors the meetings of certain executive branch administrative entities such as the Council on Graduate Medical Education, the NIH Director's Advisory Council, the Prospective Payment Assessment Commission, and the Physician Payment Review Commission.

Information Resources and Communications

For constituency organizations like the AAMC, the collection and dissemination of accurate and timely information and communication to and about its members are important activities. The Association serves as the collector and clearinghouse of information for a variety of audiences:

- congressional and legislative officials who propose policies that impact on academic medical centers and teaching hospitals
- the general public through the media
- member institutions and organizations
- other related professional organizations.

Publications

The Association has a comprehensive publications program which provides general and specialized information to its many audiences through a wide variety of periodic publications:

AAMC Weekly Report: Reports 45 times a year to more than 6,000 subscribers on AAMC activities and federal actions having a direct impact on medical education, biomedical research, and patient care.

Journal of Medical Education: Monthly scholarly journal with circulation of 6,000 includes regular articles, communications, editorials, datagrams, book reviews, and bibliographies.

Medical School Admission Requirements: Annual compilation of information on educational programs, student characteristics, and financial requirements for each U.S. and Canadian medical school.

AAMC Directory of American Medical Education: Issued annually with information on senior administrative officers and department chairmen for each U.S. and Canadian medical school.

AAMC Curriculum Directory: Description of educational program for each U.S. and Canadian medical school, published annually.

COTH Report: Monthly circulation of 3,000

on issues relating to teaching hospitals such as reimbursement, graduate medical education, and technology.

The Association has several other newsletters which it issues periodically:

—*STAR* (Student Affairs Reporter) for the Group on Student Affairs

—*Monitor* for the Group on Institutional Planning

—*Forum* for the Group on Business Affairs

—*News and Comment* for the Group on Public Relations

—*Women in Medicine Update* for Women's Liaison Officers

—*Progress Notes* for the Organization of Student Representatives

The Association in the last year also issued several monographs and reports:

—*Adapting Clinical Education to New Forms and Sites of Health Care Delivery*

—*Trends in Medical School Applicants and Matriculants*

—*Study of How Medical Students Finance Their Education*

—*Medical Education and Evaluation Along the Clinical Continuum: An Annotated Bibliography*

—*AAMC Longitudinal Study of Medical School Graduates of 1960*

—*Medical College Admission Test Users Guide*

—*Women and Minorities on U.S. Medical School Faculties*

—*Report on Medical School Faculty Salaries, 1986-87*

—*COTH Survey of Housestaff Stipends, Benefits and Funding*

Computer and Data Base Resources

The Association's computer system consists of a Hewlett-Packard 3000, Series 68 and a Hewlett-Packard 3000, Series 48, each with a high

speed laser printer. More than 100 of the Association's employees interact with the computer center through terminals. There are over 137 data bases developed from a variety of questionnaires, surveys, applications and other source material. These data bases contain a wealth of information which is available to the membership.

—*American Medical College Application Service System (AMCAS)* provides participating medical schools with data and statistics to support the admissions process of the nation's applicant pool.

—*MEDLOANS* provides a comprehensive system for processing medical school student loans for federal loan programs as well as the Association's own alternative loan program.

—*Faculty Roster* provides current appointment, employment history, credentials and training, and demographic data for 57,947 active and 66,408 former members of medical school faculties.

—*Student and Applicant Information Management System (SAIMS)* provides data on more than 550,000 individuals who have been medical school applicants, students, and residents over the last decade. Data are gathered through the MCAT questionnaire, the graduation questionnaire, AMCAS, and resident follow-up and tracking surveys conducted jointly with the National Resident Matching Program.

—*Institutional Profile System (IPS)* provides on-line repository of information on medical schools containing over 30,000 data items describing medical schools from the 1970s to the present. It is constructed from survey results sent directly from the medical schools and from other AAMC information systems.

—Various directory systems provide the annual and recurring directories of the internal organizations and groups of the Association.

During the last year 23 personal computers

were added to the Association's computer resources. These are used for word processing, data base development, statistical and analytical studies, and graphic design. To assure timely communication, two pilot programs of electronic mail were begun. The first links the members of the Association's executive committee with the AAMC staff and each other. The second is targeted at members of the Group on Medical Education and the Organization of Student Representatives and is run on the CONFER conferencing system. A unique feature of the system allows participants to enter an item on which all users can exchange information and comments. Current discussion items include software for scoring exams on microcomputers, teaching performance for promotion and tenure decisions, faculty grading problems, and use of syllabi for required courses.

Other Services

The AAMC archives is the repository for the Association's governance and program records. Over 3,000 items are contained in the governance records which date back to the AAMC's founding in 1876. Of the almost 4,000 program records in the collection, the earliest is an 1896 annual meeting program. The archives principally serve staff, constituents, and other researchers.

Each fall nearly 4,000 medical educators gather at the AAMC's annual meeting at which 300 program sessions are scheduled. More than a dozen other academic organizations sponsor sessions in conjunction with this meeting. Each spring the Council of Deans, the Council of Teaching Hospitals, and the Council of Academic Societies hold membership meetings. Other smaller meetings targeted at the professional development needs of the AAMC's members are held throughout the year.

Committees

The Executive Council and Administrative Boards make extensive use of committees of AAMC constituents to guide their deliberations on key policy matters and to provide oversight for AAMC operations.

AIDS and Academic Medical Centers:

Charged with recommending policy positions and initiatives for the Association.

Jay P. Sanford, M.D., Chairman
Uniformed Services University of the Health Sciences

Festus Abebonojo, M.D.
Meharry Medical College School of Medicine

Richard E. Behrman, M.D.
Case Western Reserve University School of Medicine

Kenneth I. Berns, M.D., Ph.D.
Cornell University Medical College

James J. Farsetta
Veterans Administration Medical Center, Brooklyn

Kevin Flanigan
Rush Medical College

William H. Johnson, Jr.
University of New Mexico Hospital

Christopher Matthews, M.D.
University of California, San Diego, School of Medicine

Janis Mendelsohn, M.D.
University of Chicago Pritzker School of Medicine

Robert G. Newman, M.D.
Beth Israel Hospital, New York

Vivian W. Pinn-Wiggins, M.D.
Howard University College of Medicine

Joe Sigler
University of Texas Health Sciences Center at Houston

Mark Smith, M.D.
University of Pennsylvania School of Medicine

David Werdegar, M.D.
Department of Public Health, San Francisco

Audit: Meets annually with AAMC's outside auditors to review financial statements before presentation to the governing bodies.

Spencer Foreman, M.D., Chairman
Montefiore Medical Center

Milton Corn, M.D.
Georgetown University School of Medicine

Douglas R. Knab, M.D.
Uniformed Services University of the Health Sciences

Faculty Practice: Charged with identifying the critical issues facing academic medical centers as a result of the changing practice environment, specifying those in which the AAMC could and should have a role, and recommending projects for the AAMC to undertake. Final report presented to Executive Council April 1987.

Edward J. Stemmler, M.D., Chairman
University of Pennsylvania School of Medicine

Arnold L. Brown, M.D.
University of Wisconsin Medical School

Wilton Bunch, M.D.
University of Chicago Pritzker School of Medicine

Saul J. Farber, M.D.
New York University School of Medicine

Robert M. Heyssel, M.D.
Johns Hopkins Health System

John E. Ives
St. Luke's Episcopal Hospital, Houston
 Ernst Knobil, Ph.D.
University of Texas School of Medicine at Houston

Richard G. Lester, M.D.
Eastern Virginia Medical School
 Charles A. McCallum, D.M.D., M.D.
University of Alabama
 David R. Perry
St. Louis University School of Medicine
 Alan K. Pierce, M.D.
University of Texas Health Sciences Center at Dallas

Charles E. Putnam, M.D.
Duke University School of Medicine
 Raymond G. Schultze, M.D.
UCLA Hospitals and Clinics
 Donald Tower
Stanford University School of Medicine

Finance: Reviews the Association's budget, financial statements, and five year plans; makes recommendations on dues and fees.

Edward J. Stemmler, M.D., Chairman
University of Pennsylvania School of Medicine
 John W. Colloton
University of Iowa Hospitals and Clinics
 Spencer Foreman, M.D.
Montefiore Medical Center
 Louis J. Kettel, M.D.
University of Arizona College of Medicine
 Frank G. Moody, M.D.
University of Texas Medical School at Houston
 Robert G. Petersdorf, M.D.
AAMC President
 Virginia V. Weldon, M.D.
Washington University School of Medicine

Flexner Award Selection: Chooses recipient of Abraham Flexner Award for Distinguished Service to Medical Education.

W. Donald Weston, M.D., Chairman
Michigan State University College of Human Medicine

Lisa V. Adams
Dartmouth Medical School
 Christine K. Cassel, M.D.
University of Chicago Pritzker School of Medicine
 John C. Ribble, M.D.
University of Texas Medical School at Houston
 Larry Way, M.D.
Veterans Administration Medical Center, San Francisco

David S. Weiner
Children's Hospital, Boston

House Staff Participation: Charged with reviewing advisability of providing for house staff participation in the Association and recommending methods for accomplishing such participation. Final report presented to Executive Council September 1987.

Joseph E. Johnson, III, M.D., Chairman
University of Michigan Medical School
 S. Craighead Alexander, M.D.
University of Wisconsin Medical School
 Gordon I. Kaye, Ph.D.
Albany Medical College
 Peter O. Kohler, M.D.
University of Texas Medical School at San Antonio
 Eric B. Munson
North Carolina Memorial Hospital
 Kirk Murphy, M.D.
Hahnemann University School of Medicine
 Richard Root, M.D.
University of California, San Francisco School of Medicine
 C. Thomas Smith
Yale-New Haven Hospital
 James Stout, M.D.
University of Washington School of Medicine

Graduate Medical Education and the Transition from Medical School to Residency:

Charged with examining the effect of selection process for residency committee on students' general professional education. Final report presented to Executive Council January 1987.

Spencer Foreman, M.D., Chairman
Montefiore Medical Center

Arnold Brown, M.D.
University of Wisconsin Medical School

D. Kay Clawson, M.D.
University of Kansas School of Medicine.

Robert Dickler
University of Minnesota Hospital and Clinic

Mark Dyken, M.D.
Indiana University School of Medicine

Gerald H. Escovitz, M.D.
Medical College of Pennsylvania

J. Roland Folse, M.D.
Southern Illinois University School of Medicine

Joseph S. Gonnella, M.D.
Jefferson Medical College

James J. Leonard, M.D.
Uniformed Services University of the Health Sciences

Carol M. Mangione, M.D.
University of California, San Francisco

Thomas K. Oliver, M.D.
American Board of Pediatrics

Vivian W. Pinn-Wiggins, M.D.
Howard University College of Medicine

Bernice Sigman, M.D.
University of Maryland School of Medicine

Morton E. Smith, M.D.
Washington University School of Medicine

Investment: Reviews management of Association's investments and provides guidelines for investment of Association assets.

Richard Janeway, M.D., Chairman
Bowman Gray School of Medicine of Wake Forest University

James Cavanaugh
Smith, Kline and French Laboratories

Spencer Foreman, M.D.
Montefiore Medical Center

Robert M. Heyssel, M.D.
Johns Hopkins Health System

George Houston
Georgetown University

Journal of Medical Education Editorial Board: Provides guidance for the Association's monthly scholarly journal.

L. Thompson Bowles, M.D., Chairman
George Washington University School of Medicine and Health Sciences

Philip C. Anderson, M.D.
University of Missouri, Columbia, School of Medicine

G. William Bates, M.D.
Medical University of South Carolina

Pamelyn Close, M.D.
Harbor-UCLA Medical Center

Preston V. Dilts, M.D.
University of Michigan Medical School

Nancy E. Gary, M.D.
Robert Wood Johnson Medical School

David S. Greer, M.D.
Brown University Program in Medicine

Paul F. Griner, M.D.
Strong Memorial Hospital

Kaaren K. Hoffman, Ph.D.
University of Southern California School of Medicine

John E. Ives
St. Luke's Episcopal Hospital, Houston

Donald G. Kassebaum, M.D.
University of Oklahoma College of Medicine

Fernando S. Mendoza, M.D.
Stanford University School of Medicine

Emily Mumford, Ph.D.
New York State Psychiatric Institute

Gordon Page, Ed.D.
University of British Columbia Faculty of Medicine

Lois A. Pounds, M.D.
Duke University School of Medicine

Hugh M. Scott
Bishop's University

Charles E. Spooner, Ph.D.
University of California, San Diego, School of Medicine

Manual Tzagournis, M.D.
Ohio State University College of Medicine

Jesse G. Wardlow
Yale University School of Medicine

Management Education Programs: Advises on the professional development programs provided by the Association for its constituents.

William H. Luginbuhl, M.D., Chairman
University of Vermont College of Medicine

William T. Butler, M.D.
Baylor College of Medicine

D. Kay Clawson, M.D.
University of Kansas School of Medicine

Robert L. Friedlander, M.D.
Albany Medical College

Jerome B. Grossman, M.D.
New England Medical Center

William B. Kerr
University of California, San Francisco, Medical Center

Hiram C. Polk, Jr., M.D.
University of Louisville College of Medicine

Nominating: Charged with nominating candidates for positions as officers of the Assembly and members of the Executive Council.

Sheldon King, Chairman
Stanford University Medical Center

Douglas Kelly, Ph.D.
University of Southern California School of Medicine

Richard H. Moy, M.D.
Southern Illinois University School of Medicine

C. Thomas Smith
Yale-New Haven Hospital

Daniel Tosteson, M.D.
Harvard Medical School

Research Award Selection: Chooses recipient of annual AAMC Award for Distinguished Research in the Biomedical Sciences.

Leon Rosenberg, M.D., Chairman
Yale University School of Medicine

Kenneth I. Berns, M.D., Ph.D.
Cornell University School of Medicine

Lawrence A. Boxer, M.D.
Mott Children's Hospital

Ralph S. Goldsmith, M.D.
University of California, San Francisco School of Medicine

Peter Kohler, M.D.
University of Texas Medical School at San Antonio

Thomas Stossel, M.D.
Massachusetts General Hospital

Resolutions: Receives and acts on resolutions for presentation to the Assembly.

Robert S. Daniels, M.D., Chairman
Louisiana State University School of Medicine at New Orleans

Vicki Darrow, M.D.
University of Washington School of Medicine

Earl Frederick
Children's Hospital, Chicago

A. Everette James, M.D.
Vanderbilt University School of Medicine

Strategies for Promoting Academic Medical Centers: A joint committee with the Association of Academic Health Centers, charged with investigating whether the AAMC and the AAHC have a role in assisting member institutions with promotional activities. Final report presented to Executive Council April 1987.

D. Gayle McNutt, Chairman
Baylor College of Medicine

Roger J. Bulger, M.D.
University of Texas Health Sciences Center

James Christensen, M.D.
University of Iowa School of Medicine

Milton Corn, M.D.
Georgetown University School of Medicine

J. Roland Folse, M.D.
*Southern Illinois University School of
Medicine*

James C. Hunt, M.D.
University of Tennessee

John E. Ives
St. Luke's Episcopal Hospital, Houston

J. Antony Lloyd
Beth Israel Hospital, Boston

Gary A. Mecklenburg
Northwestern Memorial Hospital

Robert H. Waldman, M.D.
University of Nebraska College of Medicine

Financial Report

Treasurer's Report

The Association's Audit Committee met on September 3, 1987, and reviewed in detail the audited financial statements for the fiscal year ending June 30, 1987. Meeting with the committee were representatives of Ernst & Whinney, the Association's auditors, and Association staff. On September 10 the Executive Council reviewed and accepted the final unqualified audit report.

Income for the year totaled \$13,414,044. Of that amount \$12,526,115 (93.4%) originated from general fund sources, \$429,000 (3.2%) from foundation grants, and \$458,929 (3.4%) from federal government grants and contracts.

Expenses for the year totaled \$13,414,983 of which \$12,611,609 (94%) was charged to the continuing activities of the Association, \$344,445 (2.6%) to foundation grants, and \$458,929 (3.4%) to federal government grants and contracts. Balances in funds restricted by grantors increased \$125,295 to \$508,614. After making provisions for Executive Council designated reserves for special programs in the amount of \$781,000, unrestricted funds available for general purposes decreased \$539,529 to \$10,948,595, an amount equal to 82% of the expense recorded for the year. This reserve accumulation is within the directive of the Executive Council that the Association maintain as a goal an unrestricted reserve of 100% of the Association's total annual budget.

Association of American Medical Colleges**Balance Sheet***June 30, 1987*

ASSETS	
Cash & Cash equivalents	\$ 1,332,446
Investments	18,862,259
Accounts Receivable	287,625
Deposits and Prepaid Items	183,124
Equipment (Net of Depreciation)	842,243
Land and Building (Net of Depreciation)	852,589
Total Assets	\$22,360,286

LIABILITIES AND FUND BALANCES

Liabilities	
Accounts Payable	\$ 2,624,185
Deferred Income	1,613,171
Fund Balances	
Funds Restricted by Grantor for Special Purposes	508,614
General Funds	
Funds Restricted for Plant Investment	\$ 496,856
Funds Restricted by Executive Council for Special Purposes	4,474,033
Investment in Property and Equipment	1,694,832
General Purposes Fund	10,948,595
	17,614,316
Total Liabilities and Fund Balances	\$22,360,286

Association of American Medical Colleges**Operating Statement***Fiscal Year Ended June 30, 1987*

SOURCE OF FUNDS	
Income	
Dues and Service Fees from Members	\$ 3,605,327
Private Grants	429,000
Cost Reimbursement Contracts	458,929
Special Services	5,404,389
Journal of Medical Education	95,667
Other Publications	418,631
Sundry (Interest \$1,914,003)	3,002,101
Total Source of Funds	\$13,414,044
USE OF FUNDS	
Operating Expenses	
Salaries and Wages	\$ 6,022,910
Staff Benefits	1,086,316
Supplies and Services	4,162,900
Provisions for Depreciation	324,650
Travel and Meetings	1,250,906
Contracted Services	569,722
Net (Gain) on Disposal of Fixed Assets	[2,421]
Total Expenses	\$13,414,983
(Decrease) in Investment in Property and Equipment (Net of Depreciation)	[55,045]
Transfer to Executive Council Reserved Funds for Special Programs	198,980
Reserve for Replacement of Equipment	269,360
Increase in Restricted Fund Balances	125,295
(Decrease) in General Purposes Funds	[539,529]
Total Use of Funds	\$13,414,044

Sponsored Programs current as of September 30, 1987

Private Foundation Support

Baxter American Foundation

Burroughs Wellcome Fund

Support for the annual AAMC Award for Distinguished Research in the Biomedical Sciences

Commonwealth Fund

A three year grant to develop a better policy analysis capability for teaching hospitals (\$496,000)

Robert Wood Johnson Foundation

A four year grant for the preparation and publication of information on minorities in medical education (\$50,000)

Henry J. Kaiser Family Foundation

Award to support first year administration of the Kaiser Family Foundation Faculty Scholars in General Internal Medicine program (\$158,550)

A three year award for the establishment and operation of an advisory committee for the New Pathway Program at Harvard Medical School (\$114,000)

W. K. Kellogg Foundation

Support for two symposia on the changing needs for clinical education and practice in the nation's academic health centers (\$40,000)

Federally Sponsored Programs

Department of Health and Human Services

Health Resources and Services Administration

A three year Health Careers Opportunities Program grant to conduct workshops on admissions, counseling, and early identifi-

cation of potential underrepresented students (\$227,000)

An eighteen month contract for a study of differential analysis of medical schools with high and low minority graduation rates (\$84,700)

A nine month contract to study differences between minority and non-minority non-matriculants and between minority matriculants and non-matriculants (\$23,894)

A fifteen month contract to study the transition of medical education programs from hospital inpatient to ambulatory training programs (\$137,856)

National Institutes of Health

A five year contract for the continued maintenance and development of the faculty roster data base system and for the conduct of policy studies (\$535,470)

Corporate Grants

The following corporations support the general operations of the Association as sustaining and contributing members:

Abbott Laboratories

Baxter Travenol

Bristol Laboratories

Ciba-Geigy Corporation

Eli Lilly & Company

Merck, Sharpe & Dohme

Miles Laboratories

Morgan Guaranty Trust

Ortho Pharmaceutical Corporation

Pfizer, Inc.

A. H. Robins Company, Inc.

Sandoz Pharmaceutical Corporation

Syntex Corporation

AAMC Staff

In early 1987 a new staff organization of the Association was implemented. Its major features were:

—an expansion in the Office of the President to strengthen its analytical capabilities

—centralization of the Association's governmental relations activities under the direction of the senior vice president

—creation of programmatic divisions for biomedical research, academic affairs, clinical services, institutional planning and development, and communications.

Recruitment for senior level positions is now complete and the Association staff has been strengthened by the addition of individuals with recent medical center experience. The organization of the staff on a functional, matrix basis is designed to improve and expand the quality of services offered and to provide a better interaction of the constituents with all staff.

Office of the President

President

Robert G. Petersdorf, M.D.

Executive Vice President

John F. Sherman, Ph.D.

Senior Vice President

Richard M. Knapp, Ph.D.

Associate Vice President

Thomas J. Kennedy, Jr., M.D.

Assistant Vice President

Kathleen S. Turner

Special Assistant

Rosemary Choate

Executive Assistant

Rose Napper

Norma Nichols

Elizabeth Rahimi

Administrative Assistant

Sandra Taylor

Cynthia Withers

Office of Governmental Relations

Senior Vice President

Richard M. Knapp, Ph.D.

Legislative Analyst

Catherine Cahill

Sarah B. Carr

David B. Moore

James G. Terwilliger

Executive Assistant

Elizabeth A. Rahimi

Administrative Assistant

Tonya L. Borges

Ferne E. Hughes

Office of General Counsel

General Counsel

Joseph A. Keyes, Jr.

Office of Administrative Services

Vice President

Edwin Crocker

Associate Director

Jeanne Newman

Business Manager

Samuel G. Morey

Personnel Manager

Carolyn Curcio

Supervisor, Membership and Publication Orders

Madelyn Roche

Staffing/Benefits Specialist

Donna Adams

Administrative Assistant

Carolyn Demorest

Anita Ross

Accounting Assistant

Cathy Brooks

Accounts Payable/Purchasing Assistant

Farisse D. Moore

Accounts Receivable Assistant

Richard Helmer

Accounts Payable Assistant

Anna Thomas

Annual Meeting Registrar

Ruby Trawick

Receptionist

Regina Roric-Mayhew

Membership Assistant

Ida Gaskins

Publications Assistant

Diann Pender

Order Clerk

Beverly Ruffin

Senior Mailroom Clerk

John A. Blount

Mailroom Clerk

Cleggett Johnson

Computer Services*Director*

Brendan J. Cassidy

Associate Director

Sandra K. Lehman

Systems Manager

Robert Yearwood

Manager of Development

Maryn Goodson

Programmer/Analyst

John W. Chesley, III

Systems Analyst

Stephen Hammond

Penny T. Rife

Byron E. Welch

Peggy Yacovone

Personal Computer Coordinator

Benjamin L. Jones

Operations Supervisor

Jackie Humphries

Senior Computer Equipment Operator

William Porter

Operator/Data Communications Specialist

Basil Pegus

Computer Equipment Operator

Haywood Marshall

Antonia Monteforte

Gary R. Thomas

Data Control and Graphics Specialist

Renate L. Coffin

Administrative Assistant

Cynthia A. Woodard

Administrative Assistant/Word Processing Specialist

Mary Ellen Jones

Division of Communications*Vice President*

Elizabeth M. Martin

Administrative Assistant

Betty Lou Atkins

Section for Public Relations*Director*

Charles Fentress, Jr.

Administrative Assistant

Sandra Dunmore

Section for Publications*Director*

Merrill T. McCord

Associate Editor

James R. Ingram

Assistant Editor

Addeane Caelleigh

Staff Editor

Vickie Wilson Ahari

Administrative Assistant

Cynthia Turner

Division of Biomedical Research*Vice President*

Open

Deputy Director

Elizabeth M. Short, M.D.

Staff Associate

Dorothy J. Lehrman

Allan C. Shipp

Administrative Assistant

Jane Donovan

Division of Academic Affairs*Vice President*

August G. Swanson, M.D.

Associate Vice President

Louis J. Kettel, M.D.*

Senior Staff Associate

Mary H. Littlemeyer

Administrative Assistant

Amy Eldridge

Section for Student and Educational Programs*Assistant Vice President*

Robert Beran, Ph.D.

Senior Staff Associate

M. Brownell Anderson
Director, MCAT Program
 Karen J. Mitchell, Ph.D.
Director, Student Studies
 Cynthia Tudor, Ph.D.

Research Associate

Judith Koenig

Staff Associate

Wendy H. Pechacek

Research Assistant

Pierce Barker, Ph.D.
 Robert A. Haynes, Ph.D.
 Diane W. Lindley
 Wendy L. Luke
 Anastasia E. Raczek

Staff Assistant

Gretchen C. Chumley

Administrative Assistant

Patricia Cooleen
 Debra S. Dabney
 Constance A. Felder
 Mary E. Gorman
 Wendy J. Pickard
 M. LaVerne Tibbs

Section for Student Services*Director*

Richard Randlett

Associate Director

Robert Colonna

Manager

Linda Carter
 Alice Cherian
 Edward Gross
 Mark S. Wood

Supervisor

C. Sharon Booker
 Hugh Goodman
 Lillian T. McRae
 Dennis Renner
 Walter L. Wentz
 John Woods

Senior Assistant

Kathryn Creighton
 Michelle Davis
 Gwendolyn Hancock
 Warren Lewis
 Mary Molyneaux
 Helen Thurston
 Edith Young

Assistant

Dodzi A. Asamoah
 Wanda Bradley
 Marvin Brimage
 Kevin A. Christian
 James E. Cobb
 Wayne Corley
 Keiko Doram
 Karla R. Dixon
 Carl Gilbert
 Donald Hough
 Jimmie Jenkins
 Patricia Jones
 Gwynne Kostin
 Yvonne Lewis
 Maxine L. Palmer
 Duane C. Pattillo
 Virginia Robinson
 Christina Searcy
 Henry E. Stokes
 Tamara M. Wallace
 Gail Watson
 Pamela Watson

Administrative Assistant

Denise Howard
 Mary E. Reed

Receptionist/Typist

Sandra J. Smalls

Section for Minority Affairs*Director*

Dario O. Prieto

Staff Associate

Mary T. Cureton
 Elsie Quinones

Administrative Assistant

Lili May Johnson

Division of Institutional Planning and Development*Vice President and General Counsel*

Joseph A. Keyes, Jr.

Special Assistant

Debra Day

Program Manager

Marcie Foster

Administrative Assistant

Dorothy Mallorej
 Beryl Parker

Section for Institutional Studies

Director

Robert F. Jones, Ph.D.

Staff Associate

Janet Bickel

Research Assistant

Laura Biesiadecki

Administrative Assistant

Linda Butler

Section for Accreditation

Administrative Assistant

Linda Flack

Section for Operational Studies

Associate Vice President

Paul Jolly, Ph.D.

Senior Staff Associate

Thomas H. Dial, Ph.D.

Director, Faculty Roster

Nancy O. Gentile

Director, Institutional Data Systems

Jack Krakower, Ph.D.

Director, Student and Applicant Information

Management System

Charles Killian

Research Associate

Gail Ahluwalia

Judith B. Frost

William C. Smith

Leon Taksel

Charles Thomson

Donna J. Williams

Staff Associate

Aarolyn B. Galbraith

Research Assistant

Elizabeth A. Sherman

Staff Assistant

Sandra Garbrecht

Administrative Assistant

Dorothea Hudley

Dawn Walley

Division of Clinical Services

Vice President

James D. Bentley, Ph.D.

Special Assistant

Melissa H. Wubbold

Staff Associate

Judith L. Teich

Survey Assistant

Janie S. Bigelow

Administrative Assistant

Marjorie R. Lawal

Section for Provider and Professional Affairs

Director

Nancy E. Seline

Research Associate

Linda E. Fishman

Staff Associate

Ivy Baer

Staff Assistant

Sonia M. Kohan

Administrative Assistant

Cassandra R. Veney

*effective 1/1/88